

SATELLITE

& HAUT-DÉBIT

B 9318 E

04-05
2009

Présentation d'entreprise
ALUO-SAT
Assistance
commerciale
en Chine

Présentation d'entreprise
TOPFIELD
La fusion satellite
et Internet

Rapport de Test
AB-COM

Jusqu'où peut aller un récepteur moderne
HD PVR tournant sous Linux?



TELE **SATELLITE**
AWARD & BROADBAND
04-05/2009

AB IPBox 910HD



TMS

SRM-2100



Start the New year with Topfield Media Solution.

PVR



Playing recorded programmes at up to 64 times speed at maximum.

GAME



Featuring on-line game 'BATTLE TANK'.

UCC



Playing media contents of YouTube.

DivX



Supporting video files of DivX 3.11, 4.1 and 5.x.

- Able to transfer media files among network users.
- Live-chatting available among network users.

www.i-topfield.com

**Exclusivement pour
les lecteurs de
TELE-satellite**

SatcoDX "Le Monde des Satellites"

L'application "Le Monde des Satellites" de SatcoDX contient les données techniques de toute émission satellite dans le monde entier.



Rédaction

TELE-satellite
PO Box 1234
85766 Munich-Ufg
ALLEMAGNE

Rédacteur

Alexander Wiese
alex@TELE-satellite.com

Editeur

TELE-satellite Medien GmbH
Aschheimer Weg 19
85774 Unterfoehring
ALLEMAGNE

Traduction

Yanis Patalidis

Graphisme/Création

Nemeti Barna Attila

Direction Publicité

www.TELE-satellite.com/ads/

International Subscription Service English Edition

TELE-satellite
Subscription Service
PO Box 1331
53335 Meckenheim
ALLEMAGNE
Fax +49-2225-7085-39

Copyright

© 2009 by TELE-satellite

ISSN 1619-8743

Adresse Internet

www.TELE-satellite.com/fra



Membre du Réseau
Distripress

SatcoDX 06/2009

Le Monde des Satellites

Base de données globale pour la programmation satellite - Logiciel informatif

Software V3.12 fra sdx Creator

Table globale des satellites
Toutes les stations de tous les satellites

Assistant satellite: Quelles stations pouvez-vous capter dans votre emplacement avec votre équipement?
DishTrak: Quels satellites pouvez-vous recevoir?
Localisateur des stations: Retrouvez les stations que vous cherchez

Mise à jour des tables en ligne:
Mise à jour par Internet à tout moment

Programmez votre récepteur: Triez et filtrez, ensuite téléchargez vers les récepteurs compatibles SatcoDX

Zones de couverture des satellites: Recherchez la portée réelle des faisceaux satellite

Export et impression des données des tables:
Sauvegardez vos listes personnalisées

Exportez la base de données en format sdx
Programmez votre récepteur compatible SatcoDX

GRATUIT Inklus: un fascicule complet de la revue TELE-satellite 03/2009

Une production de la revue TELE-satellite & Haut débit
Pour usage privé et personnel
ISSN 1861-5384
SatcoDX.com

Téléchargez le logiciel SatcoDX ici:
www.TELE-satellite.com/cd/0906/fra

Listes complètes des stations de chaque satellite avec toutes les données techniques

Position Code and Satellite	Type	Ch	Freq	P	Channel Name	Coverage
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	4	3.760	V	Telefuturo (left audio)	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	R-DIG	4	3.760	V	Radio Futuro (right audio)	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	4	3.764	V	Canal 5 El Lider	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	4	3.764	V	Telecadena 7 y 4	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	4	3.781	V	Telecentro	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	4	3.786	V	Feeds	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	5E	3.825	H	Deus e Amor	PAN01REA
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	7E	3.869	H	Gamavision	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	R-DIG	7E	3.869	H	Radio Sonorama	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	9E	3.882	H	Feeds	PAN01REA
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	18	4.040	V	CTC-Mundo	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	18	4.071	V	UCV TV	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	19	4.096	H	TNP - Television Nacional	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	19	4.096	H	Education A Distancia	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	R-DIG	19	4.096	H	Radio Nacional del Peru (r	PAN01RLW
3150 PANAMSAT 1R (315.0E - 45.0W)	TV-DIG	4	4.106	V	WLIH-TV	PAN01RLW

Affichage automatique de toutes les stations satellites captables

Programmation automatique de tous les récepteurs compatibles SatcoDX

Mises à jour des données via Internet grâce au serveur principal et à des serveurs de réserve

Impression des listes des stations y compris les zones de couverture en format HTML



Read TELE-satellite Magazine online:
<http://magazine.tele-satellite.com/TELE-satellite-0905-eng.pdf>



Lesen Sie TELE-satellit Magazin online:
<http://magazine.tele-satellite.com/TELE-satellite-0905-deu.pdf>

Read This Issue Online

Arabic العربية
<http://magazine.tele-satellite.com/TELE-satellite-0905-ara.pdf>

Indonesian Bahasa Indonesia
<http://magazine.tele-satellite.com/TELE-satellite-0905-bid.pdf>

Bulgarian Български
<http://magazine.tele-satellite.com/TELE-satellite-0905-bul.pdf>

Czech Český
<http://magazine.tele-satellite.com/TELE-satellite-0905-ces.pdf>

German Deutsch
<http://magazine.tele-satellite.com/TELE-satellite-0905-deu.pdf>

English
<http://magazine.tele-satellite.com/TELE-satellite-0905-eng.pdf>

Spanish Español
<http://magazine.tele-satellite.com/TELE-satellite-0905-esp.pdf>

Farsi فارسی
<http://magazine.tele-satellite.com/TELE-satellite-0905-far.pdf>

French Français
<http://magazine.tele-satellite.com/TELE-satellite-0905-fra.pdf>

Greek Ελληνικά
<http://magazine.tele-satellite.com/TELE-satellite-0905-hel.pdf>

Croatian Hrvatski
<http://magazine.tele-satellite.com/TELE-satellite-0905-hrv.pdf>

Italian Italiano
<http://magazine.tele-satellite.com/TELE-satellite-0905-ita.pdf>

Hungarian Magyar
<http://magazine.tele-satellite.com/TELE-satellite-0905-mag.pdf>

Chinese 中文
<http://magazine.tele-satellite.com/TELE-satellite-0905-man.pdf>

Dutch Nederlands
<http://magazine.tele-satellite.com/TELE-satellite-0905-ned.pdf>

Polish Polski
<http://magazine.tele-satellite.com/TELE-satellite-0905-pol.pdf>

Portuguese Português
<http://magazine.tele-satellite.com/TELE-satellite-0905-por.pdf>

Russian Русский
<http://magazine.tele-satellite.com/TELE-satellite-0905-rus.pdf>

Swedish Svenska
<http://magazine.tele-satellite.com/TELE-satellite-0905-sve.pdf>

Turkish Türkçe
<http://magazine.tele-satellite.com/TELE-satellite-0905-tur.pdf>

Available online starting from 27 March 2009

تكنولوجيا استقبال الأقمار الصناعية
209
02-03 2009

والاتصالات
& الإنترنت فائق السرعة

قريباً اختيار
TOPFIELD
رئيسي نموذجي للاستخدام مع تليفزيونات البلازما

مفرد عن شركة
MFC USA
تصنيع فلتر C-Band لتعطي صورة نقية

العربية

DiZiPiA

قريباً اختيار
طابع **VENUS** الكون من 4 مناطق
البتكار طبعي شبكي من اندونيسيا

DiZiPiA DS4H-9160

رئيسي لاستقبال التليفزيون فائق التفاصيل

SATELLITE AWARD
02-03/2009

Majalah Satelit FTA Terbesar di Dunia
209
02-03 2009

SATELIT & BROADBAND

Laporan Uji
TOPFIELD
Receiver Ideal untuk TV Plasma

Laporan Perusahaan
MFC USA
Filter C-Band Kualitas Tinggi
Memberikan Gambar yang Jernih

Bahasa Indonesia

DiZiPiA

Laporan Uji
DiZiPiA DS4H-9160
HDTV PVR dengan Dua Tuner

SATELLITE AWARD
02-03/2009

اقرأ مجلة تيلي ساتلايت مياشر
<http://magazine.tele-satellite.com/TELE-satellite-0903-ara.pdf>

Baca Majalah TELE-satelit online
<http://magazine.tele-satellite.com/TELE-satellite-0903-bid.pdf>

Най-голямото сателитно списание в света
209
02-03 2009

SATELIT & BROADBAND

Нови продукти
TOPFIELD
Идеалният приемник за плазмени телевизори

Новини от компаниите
MFC USA
Висококачествени филтри C-обхвата, предоставящи четър карти

Български

DiZiPiA

Нови продукти
4-сегментна мрежова сателитна антена на **VENUS**
Иновация от Индонезия

DiZiPiA DS4H-9160

HDTV PVR приемник с двоен тунер

SATELLITE AWARD
02-03/2009

Největší časopis o satelitní technice na světě
209
02-03 2009

SATELIT & BROADBAND

Recenze
TOPFIELD
Ideální přijímač pro plazmové TV

Firemní reportáž
MFC USA
Špičkové C-pásmové filtry pro čistý obraz

Česky

DiZiPiA

Recenze
VENUS 4-Segmentová síťová satelitní parabola
Inovace z Indonésie

DiZiPiA DS4H-9160

HDTV PVR se dvěma tunery

SATELLITE AWARD
02-03/2009

Прочетете сп. ТЕЛЕ-сателит онлайн:
<http://magazine.tele-satellite.com/TELE-satellite-0903-bul.pdf>

Přečtete si magazin TELE-satelit online:
<http://magazine.tele-satellite.com/TELE-satellite-0903-ces.pdf>

DEU Die größte Satellitenzeitschrift - weltweit! # 209

02-03 2009

6,90

SATELLITE
& BREITBAND

Test Report
TOPFIELD
Idealer Receiver für Plasma TV

Firmenbericht
MFC USA
High Quality C-Band Filter
für einwandfreien Empfang

Deutsch

DiZiPiA

Test Report
VENUS 4-Segment
Mesh-Satellitenspiegel
Innovation aus Indonesien

Test Report
DiZiPiA
DS4H-9160
HDTV PVR mit Twin Tuner

SATELLITE AWARD 20-03/2009

Lesen Sie TELE-satellit online:
<http://magazine.tele-satellite.com/TELE-satellite-0903-deu.pdf>

ENG The World's Largest FTA Satellite Magazine # 209

02-03 2009

6,99
4,95
8,95

SATELLITE
& BROADBAND

Test Report
TOPFIELD
Ideal Receiver for Plasma TVs

Company Report
MFC USA
High Quality C-Band Filters
Give Clean Picture

English

DiZiPiA

Test Report
VENUS 4-Segment
Mesh-Satellite Dish
Innovation from Indonesia

Test Report
DiZiPiA
DS4H-9160
HDTV PVR with Twin Tuner

SATELLITE AWARD 20-03/2009

Read TELE-satellite Magazine online:
<http://magazine.tele-satellite.com/TELE-satellite-0903-eng.pdf>

ESP La revista de satélite más grande del mundo # 209

02-03 2009

6,90

SATELITE
& BANDA ANCHA

Informe de Prueba
TOPFIELD
El Receiver ideal para
las Televisiones de Plasma

Informe de Compañía
MFC USA
Filtros de Alta Calidad para Banda C,
enga una Imagen Limpia

Español

DiZiPiA

Informe de Prueba
VENUS 4-Segmentos
Innovadora Antena de Malla
para Satélite desde Indonesia

Informe de Prueba
DiZiPiA
DS4H-9160
HDTV PVR con Doble Sintonizador

SATELLITE AWARD 20-03/2009

Lea La Revista TELE-satélite en Línea:
<http://magazine.tele-satellite.com/TELE-satellite-0903-esp.pdf>

FAR بزرگترین مجله تخصصی ماهواره در جهان # 209

02-03 2009

6,99
4,95
8,95

SATELLITE
& BROADBAND

گزارش آزمایش
TOPFIELD
رسیور ایده آل برای تلویزیونهای
پلازما

گزارش شرکت
MFC USA
فیلترهای کیفیت بالای باند C
تصویری شفاف بدست می دهند

فارسی

DiZiPiA

گزارش آزمایش
ویدئو 4-تکه
دیش 4 تکه میش، ابتکاری از اندونزی

گزارش آزمایش
DiZiPiA
DS4H-9160
ضبط و پخش HDTV با تیونر دوقلو

SATELLITE AWARD 20-03/2009

مجله نله ستلایت اینترنشنال را آن لاین مطالعه کنید
<http://magazine.tele-satellite.com/TELE-satellite-0903-far.pdf>

FRA La plus grande revue sur les satellites # 209

02-03 2009

TELE SATELLITE
& HAUT-DÉBIT

Rapport de Test TOPFIELD
Le récepteur idéal pour des TV plasma

Présentation d'entreprise MFC USA
Filtres de qualité pour bande C qui procurent des images claires

Français

DiZiP A

Rapport de Test VENUS Parabole ajoutée à 4 segments
Nouveauté d'Indonésie

Rapport de Test DiZiPiA DS4H-9160
Enregistreur TVHD à double tuner

SATELLITE AWARD 02-03/2009

Téléchargez revue TELE-satellite entière sur notre serveur:
<http://magazine.tele-satellite.com/TELE-satellite-0903-fra.pdf>

HEL Το Μεγαλύτερο Παγκοσμίως Δορυφορικό Περιοδικό # 209

02-03 2009

TELE SATELLITE
& BROADBAND

Αναφορά Δοκιμής TOPFIELD
Ιδανικός Δέκτης για Τηλεοράσεις Πλάσμα

Αναφορά Εταιρείας MFC ΗΠΑ
Υψηλής Ποιότητας Φίλτρα C-Band Παρέχουν Καθαρή Εικόνα

Ελληνικά

DiZiP A

Αναφορά Δοκιμής VENUS 4-Τμήριστα
Καινοτόμο Δορυφορική Κεραία Πλέγματος από την Ινδονησία

Αναφορά Δοκιμής DiZiPiA DS4H-9160
HDTV PVR με Διπλό Δέκτη

SATELLITE AWARD 02-03/2009

Διαβάστε online το Περιοδικό TELE-satellite Διεθνές:
<http://magazine.tele-satellite.com/TELE-satellite-0903-hel.pdf>

HRV Najveći svjetski satelitski časopis # 209

02-03 2009

TELE SATELLIT
& BROADBAND

Test uređaja TOPFIELD
Idealni prijemnik za plazma televizore

Izješće o tvrtki MFC iz SAD
Visokokvalitetni C-pojasni filtri osiguravaju jasnu sliku

Hrvatski

DiZiP A

Test uređaja VENUS 4-segmentna mrežasta satelitska antena
Inovacija iz Indonezije

Test uređaja DiZiPiA DS4H-9160
HDTV PVR prijemnik s twin tunerom

SATELLITE AWARD 02-03/2009

Čitajte međunarodni časopis TELE-satellit na Internetu:
<http://magazine.tele-satellite.com/TELE-satellite-0903-hrv.pdf>

ITA La rivista satellitare più diffusa nel mondo # 209

02-03 2009

TELE SATELLITE
& BANDA LARGA

In Prova TOPFIELD
Ricevitore Ideale per TV al Plasma

Profilo aziendale MFC USA
Filtri di Qualità in Banda C per Immagini più Nitide

Italiano

DiZiP A

In Prova Parabola Microforata VENUS a 4 Segmenti
Innovazione dall'Indonesia

In Prova DiZiPiA DS4H-9160
PVR HDTV con Doppio Tuner

SATELLITE AWARD 02-03/2009

Leggete Online la rivista TELE-satellite:
<http://magazine.tele-satellite.com/TELE-satellite-0903-ita.pdf>

MAG A világ legnagyobb műhold magazinja # 209

SATELLITE & SZÉLESSÁV

02-03 2009

Teszt beszámoló TOPFIELD
Eszményi beltéri vevőegység a plazma tévékhez

Vállalati beszámoló Az Egyesült-Államokban MFC
A magas minőségű C-sáv szűrők tisztább képet adnak

Magyar

DiZiPiA

Teszt beszámoló VENUS 4-szirmú fémhálóból készült tányerantenna
Újdonság Indonéziából

Teszt beszámoló DiZiPiA DS4H-9160
HDTV PVR iker hangoló egységgel

SATELLITE AWARD 02-03/2009



Olvassa a TELE-satellite magazint Internet címünkön:
<http://magazine.tele-satellite.com/TELE-satellite-0903-mag.pdf>

MAN 世界上发行量最大的卫星业界杂志 # 209

SATELLITE 国际卫星电视 与宽带

02-03 2009

测试报告 TOPFIELD
等离子电视的绝配接收机

关于公司的报道 美国 MFC 公司
高性能C波段微波过滤器提供洁净的画面

中文

DiZiPiA

测试报告 4瓣的VENUS (维纳斯) 网面卫星天线
印尼的新品

测试报告 DiZiPiA DS4H-9160
双高频头高清录像接收机

SATELLITE AWARD 02-03/2009



在线阅读《国际卫星电视》
<http://magazine.tele-satellite.com/TELE-satellite-0903-man.pdf>

NED Het grootste Satelliet Tijdschrift van de Wereld # 209

SATELLIET & BREEDBAND

02-03 2009

Testrapport TOPFIELD
Ideale ontvanger voor plasma TV's

Bedrijfsrapport MFC VS
Hoge kwaliteit C-band filters geven schoon beeld

Nederlands

DiZiPiA

Testrapport VENUS 4-Segment Gazen satellietantenna
Innovatie uit Indonesië

Testrapport DiZiPiA DS4H-9160
HDTV PVR met dubbele tuner

SATELLITE AWARD 02-03/2009



Lees TELE-satelliet Magazine online:
<http://magazine.tele-satellite.com/TELE-satellite-0903-ned.pdf>

POL Największy na świecie magazyn sprzętu satelitarnego # 209

SATELITA & BROADBAND

02-03 2009

Raport z testów TOPFIELD
Idealny odbiornik dla plazmowych TV

Przegląd firm MFC USA
Wysokiej jakości filtry pasma C gwarantują czysty obraz

Polski

DiZiPiA

Raport z testów VENUS 4-segmentowa satelitarna antena siatkowa
Innowacja z Indonezji

Raport z testów DiZiPiA DS4H-9160
PVR HDTV z podwójnym tunerem

SATELLITE AWARD 02-03/2009



Czytaj TELE-satelitę Magazyn w wersji on-line :
<http://magazine.tele-satellite.com/TELE-satellite-0903-pol.pdf>

FOR A Maior Revista do Mundo sobre Satélites # 209

TELE **SATÉLITE** & Banda Larga 02-03 2009

Relatório de Ensaio TOPFIELD
Receptor Ideal para um Televisor Plasma

Reportagem Empresarial MFC USA
Filtros C-Band de Alta Qualidade Fornecem uma Imagem Nitida

Português

DIZIP A

Relatório de Ensaio VENUS
Antena Parabólica em Malha de Apenas 4 Segmentos Uma Inovação da Indonésia

Relatório de Ensaio DIZIPiA
DS4H-9160
PVR HDTV com Twin Tuner

SATELLITE AWARD 02-03/2009

Ler Revista TELE-satélite online:
<http://magazine.tele-satellite.com/TELE-satellite-0903-por.pdf>

RUS Крупнейший в мире спутниковый журнал # 209

TELE **САТЕЛЛАЙТ** & BROADBAND 02-03 2009

Тестируем TOPFIELD
Идеальный приемник для плазменных телевизоров

Обзор компаний MFC США
Высококачественные фильтры C-диапазона обеспечивают чистое изображение

Русский

DIZIP A

Тестируем VENUS Четырех сегментная сеточная спутниковая антенна Инновация из Индонезии

Тестируем DIZIPiA
DS4H-9160
Персональный видеорекордер (PVR) с двойным настроочным устройством для телевидения высокой четкости (HDTV)

SATELLITE AWARD 02-03/2009

Читайте журнал ТЕЛЕ-сателлайт он-лайн:
<http://magazine.tele-satellite.com/TELE-satellite-0903-rus.pdf>

SVE Världens största satellittidning # 209

TELE **SATELLIT** & BREDBAND 02-03 2009

Testrapport TOPFIELD
Perfekt mottagare för platt-TV

Företagsrapport MFC USA
Högkvalitativa C-bandsfilter ger bra bild

Svenska

DIZIP A

Testrapport Venus
Nätantenn i fyra segment Innovation från Indonesien

Testrapport DIZIPiA
DS4H-9160
HDTV-PVR med dubbeltuner

SATELLITE AWARD 02-03/2009

Läs TELE-satellit online:
<http://magazine.tele-satellite.com/TELE-satellite-0903-sve.pdf>

TUR Dünyanın En Büyük Uydu Donanımı Dergisi # 209

TELE **SATELLITE** & GENİŞBANT 02-03 2009

Test TOPFIELD
Plazma TV'ler için ideal Uydu Alıcısı

Şirket Raporu MFC ABD
Yüksek Kaliteli C-Bant Filtreyle Net Görüntü

Türkçe

DIZIP A

Test 4 Parçalı VENUS
Endonezya'dan Yenilikçi Ağ Anteni

Test DIZIPiA
DS4H-9160
Çift Tunerli HDTV PVR

SATELLITE AWARD 02-03/2009

Uluslararası TELE-satellite Dergisi'ni online okuyun:
<http://magazine.tele-satellite.com/TELE-satellite-0903-tur.pdf>



Technomate

The New!

TM-5000 Super Series

with USB PVR for Recording



Introducing the New TM-5000 USB Super Series...

- ✓ 10,000 Channel Memory
- ✓ Component Output (YPbPr)
- ✓ Super Sensitive Tuner
- ✓ Very Fast Blind Search
- ✓ Based on 2008 What Satellite Magazine's Best Enthusiast Receiver

USB Features:

- ✓ Record/Playback Scrambled & Free-To-Air (FTA) Channels by USB 2.0
- ✓ Pause Live TV by Timeshift via USB 2.0
- ✓ Forward/Rewind Recordings
- ✓ USB 2.0 for Software Download/Upload, MP3 & JPEG Playback
- ✓ Rear Mounted USB 2.0 ✓ Silver or Black

Based on the HIGHEST Rated Satellite Receiver...ever! (92%)

The TM-5200 D USB reviewed by What Satellite Magazine (Jan 2008)

TM-5200 D USB
super

Free-To-Air Satellite Receiver

TM-5300 D+ USB
super

with Built-in Smart Card Reader

TM-5400 CI+ USB
super

with Card Reader + Common Interface

TM-5600 CI USB
super

with Common Interface

High-Definition

Satellite & Terrestrial Receiver

TM-6900 HD COMBO Super



- ✓ Based on the Award Winning TM-6900 HD COMBO
- ✓ 2x USB 2.0 Ports (Front + Rear)
- ✓ Very Fast & Detailed Hardware Blind Search
- ✓ RF Modulator
- ✓ eSATA
- ✓ Ethernet Communication Port

- 10,000 Channels • Record Scrambled & FTA Channels by USB • Timeshift
- MP3 & JPEG Playback & Data/Software Transfer by USB 2.0 • 1080i, 720p, 576p & 576i
- MPEG-2, MPEG-4 & H.264 • Built-in Upscaler to Improve Standard Picture Quality
- 1 Smart Card Reader & 2 Common Interface (CI) • VFD Display • Silver or Black



3500 HDMI PVR

Smart Card reader • HDMI output • VFD display • USB PVR ready – recording & playing using external HDD or USB • software upgrade via USB 2.0 • Timeshift function • PIP



3000 CRGI PVR

Smart Card reader • 1x CI slot • USB PVR ready - recording & playing using external HDD or USB • software upgrade via USB 2.0 • Timeshift function • PIP



3500CI HDMI PVR

Smart Card reader • 1x CI slot • HDMI output • VFD display • USB PVR ready - recording & playing using external HDD or USB • software upgrade via USB 2.0 • Timeshift function • PIP



3000 CR PVR

Smart Card reader • USB PVR ready - recording & playing using external HDD or USB • software upgrade via USB 2.0 • Timeshift function • PIP



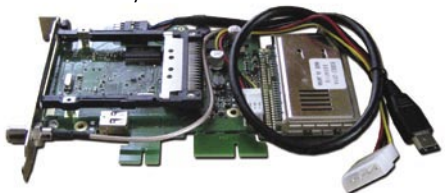
AB IPBOX 910HD

Digital Linux-based HDTV PVR Receiver for DVB-S, DVB-S2, DVB-C and DVB-T Reception28



FLOPPYDTV

DVB-S/2 Solution for the PC36



OPENSAT 3000CRCI PVR

Digital DVB-S CI-PVR Receiver ...42



Beginner's section:

PC Software for Topfield Receivers16

AWARD Winning:

Satellite Products of 21st Century52

Company Report: AB-COM, Satellite

Receiver Manufacturer, Slovakia64

Company Report: TOPFIELD,

High-End Receiver Manufacturer, Korea.....74

Company Report:

Worldwide Satellites, North American Satellite Wholesaler80

Company Report:

Aluo-sat, Satellite Consultant, China84

Satellite information:

New Satellites88

Media: News92

SatcoDX Chart99

History: 20 Years Ago124

History: 10 Years Ago126

Chers lecteurs,



Le choix des récepteurs exceptionnels de TVHD s'améliore de jour en jour. Dans cette édition nous présentons de nouveau deux nouveaux appareils passionnants: un récepteur PVR et une carte PC.

Malheureusement, le nombre de chaînes de TVHD n'augmente pas au même taux. Au contraire, la crise économique actuelle a forcé quelques diffuseurs à diminuer les débits binaires; ceci économise l'argent diffuseur par satellite. Le résultat est de plus en plus d'images TV qui ne sont pas très agréables à regarder. Ceci s'appelle un «cambouis de Pixels», lorsqu'il a qualité des images atteint son niveau le plus bas.

À mon avis, c'est précisément le contraire qui devrait avoir lieu. Au lieu de transmettre autant de chaînes que possible avec une qualité d'images très pauvre, les diffuseurs devraient réduire le nombre de leurs chaînes de sorte que celles qui subsistent puissent être transmises avec une meilleure qualité d'images !

C'est incroyable : Les statistiques de SatcoDX prouvent qu'actuellement plus de 18.000 chaînes de télévision existent dans le monde entier. Mais en réalité, un téléspectateur normal ne regarde même pas 100 chaînes - en fait, ce nombre est probablement plus près de 50 et peut-être même encore moins.

Maintenant la question se pose : quels critères est-ce qu'un téléspectateur applique pour choisir ses chaînes préférées et pour les programmer dans sa télécommande ?

Il est douteux que quelqu'un n'ait jamais considéré si les téléspectateurs donnent la priorité aux chaînes qu'ils regardent sur la base de leur contenu. J'estime que les chaînes de meilleure qualité d'image gagneront automatiquement la faveur des téléspectateurs - avec le contenu de la programmation jouant seulement un rôle secondaire ici.

Je crois que si les télédiffuseurs réduisent le nombre de chaînes et investissent dans une meilleure qualité d'images, le résultat serait un plus grand nombre de téléspectateurs. Et un petit effet secondaire agréable: les fabricants de récepteurs et de moniteurs seraient également plus heureux puisque une qualité d'images meilleure rendrait les téléspectateurs aussi plus contents de leur équipement de réception.

Parfois moins est plus !

Amicalement, Alexander Wiese

P.S. : Ma station radio préférée du mois : « Radio Fresh » sur THOR 359° Est (1° ouest) 12.169 gigahertz, H, 28000 : une station de musique pop de Bulgarie avec peu de paroles et beaucoup de musique.

ANNONCEURS

ABCBIZNIS11	HORIZON45	SG LAB 103
ABCOM 26-27	INFOSAT31	SMART39
ACCESS-NET94	JIUZHOU 132	SMARTWI25
ALUOSAT96	KOMSIS37	SONICVIEW23
ANGA CABLE-200921	MECOM-2009101	SPACELINK91
ARION13	MFC81	SPAUN67, 93
AZURE SHINE81	MOTECK37	SUBUR SEMESTA47
COMMUNICASIA-200963	MTI77	SUN CREATE85
DISHPOINTER107	NANOXX97	TEHNICB95
DIZIPIA131	PASAT ANTENY77	TECHNOMATE10
DOEBIS 14-15	PROMAX51	TELE-SATELLITE73
DVB-STREAM85	REMOTEMAN105	TEVII69
EEBC-200983	ROGETECH71	TOPFIELD 2
FORTIS19	SATCATCHER69	TRIMAX71
GT-SAT INTERNATIONAL79	SEATEL35	VIEWSAT75

HD2.0

MPEG-4 HD Satellite **PVR Ready** STB
with USB Host



Tuner Loop-Through Output(Full band) Compliant with Cable Ready Specification
(for Cable STB only)

Dolby Digital Down-Mix Output Support (*Optional)

Conax CAS 7 Embedded Chipset Pairing

Cable HD Ready Support (for Cable STB only)

MPEG-2 / MPEG-4 Part 10 AVC HD/H.264 compliant

Software Upgrade via USB 2.0

YPbPr, CVBS, HDMI, SCART Video Output Support

Various Video Aspect Ratio with 4:3, Letter Box, Full Screen and 16:9 Support

Various Video Display Format with PAL 576i/576p/720p/1080i 50 Support

Easy and Fast Auto Programming, Intuitive User Interface

Multi Language Support(Customer Option)

HD2.0 Slim



ARION
TECHNOLOGY
Good Choice Better Life!
www.arion.co.kr/global



NEW TECHNOLOGIES – NOW ON STOCK



TOPFIELD **NEW** Topfield Media Solution



Features available at launch

- Fully compliant with DVB-S2
- * High profile level 4.1 H.264/AVC streams @ 30fps
- * High or main profile level 3.1 H.264/AVC streams @ 60fps
- * HD MPEG2 4:2:0 streams @ 30fps
- * SD MPEG2 4:2:0 streams @ 60fps
- Supports DiSEqC 1.0, 1.1, 1.2 and USALS protocols for dish control.



PVR
Playing recorded programmes up to 64 times speed at maximum



GAME
Featuring a double-player game „Battle Tank“



UCC
Playing media contents of YouTube



DivX
Supporting video files of DivX 3.11, 4.1 and 5.x

Experience the future of digital receiver

- Stores up to 7,000 TV services and 3,000 radio services.
- Displays picture-in-picture with two HD services.
- Supports time-shift up to 5 hours at maximum.
- Records two services simultaneously while displaying another service.
- Able to record directly to both an external hard drive and a built-in hard drive (USB/eSATA).
- Playing recorded programmes at up to 64 times speed at maximum.
- Enables you to sort out any undesirable parts such as commercials during the programme.
- Supporting video files of DivX 3.11, 4.1 and 5.x.
- Displays JPEG image files.
- Featuring a double-player game "BATTLE TANK".
- Plays media contents of YouTube.
- Firmware updates available: over-the-air, with a USB memory stick, and from the Topfield's firmware server via Internet.

Features will be available by firmware updates

- Enables you to record the video from an external device such as a digital camera.
- Enables you to chat with other users via Internet.
- Enables you to enjoy the double-player game with other users via Internet.
- Enables you to transfer media files between the PVR and your computer with embedded web & FTP servers.
- Supports MediaHighway EPG
- Supports Sony tvtv EPG



TOPFIELD TF 5050CI HDMI



- Fully DVB-S compliant
- 2 Common Interface
- 5000 TV & radio services programmable
- 256 colors On-Screen Display (OSD)
- Service & Favorite service list editable
- Electronic Program Guide (EPG) supported
- Exciting games embedded
- Firmware upgrade by Over-The-Air
- HDMI output



Measuring Instruments

emitor MEGALOOK
MEGALOOK helps professional users to do exact adjustments and maintenance of satellite dishes and of cable TV and terrestrial networks.



- Input frequency: 2-900 MHz and 920-2150 MHz
- 4.5" B/W Monitor for PAL/NTSC
- Lots of memory positions for spectrum pictures
- RS232 for PC-connection
- Built in, rechargeable battery.
- Only 7.5kg complete with carrying case

ALSO AVAILABLE:

- Combolook
- Digital Satlook NIT
- Satlook Micro +
- Satlook Mark IV

DIGISAT PRO ACCU

Measuring instrument for dish-properties. Check two LNBs at the same time.

With DiSEqC tester.



- ALSO AVAILABLE:**
- Digisat
 - Digisat+
 - Digisat Pro
 - Digisat Multi

DIGIAIR dB

The meter to use for easy Digital terrestrial installations. Very sensitive, easy to maximize weak and strong signals.

- Frequency range of 47-862 Mhz
- Shows the signal strength in dBµV
- Shows the complete spectrum in one picture
- Presents one channel readout with high resolution or six channels simultaneously



Satlook Micro G2



- Measure on two LNB's at the same time
- Spectrum-analyzer with zoom function
- Super bright 3" LCD display
- Digital BER, QPSK and S/N-ratio
- Readout NIT -gives Satellite ID and TV/Radio-channel info
- DiSEqC according to level 1.0, 1.1 and 1.2

ALSO AVAILABLE:

Upgrade-KIT for Satlook Micro

You need a PC with internet-access in order to be able to upgrade Your old Micro with the new G2 version.

Satlook Micro G2 upgrade contains:

- CD with software
- New G2 carrying-case
- Owners manual

Satlook NIT Color



- DVB satellite-receiver 920-2150MHz
- Spectrum-analyzer with expanded spectrum
- 5" 16:9 LCD color display
- DVB-S (Free to Air) and Analog TV-picture
- Digital BER, QPSK and S/N-ratio
- DiSEqC according to level 1.0, 1.1 and 1.2
- KU- and C-band (normal/inverted video)

TOPFIELD

TF 6500T HDMI



DVB-T Receiver

- HDMI outputport, 576p, 720p, 1080i
- Fully DVB-T compliant
- 2000 service TV & Radio programmable

TF 6000 FE

Digital satellite Receiver

- MPEG-2 Digital and fully DVB compliant
- DiSEqC 1.0, 1.1, 1.2 and USALS (DiSEqC 1.3)
- 5000 services (TV and Radio) programmable

PCMCIA-Modules

- CONAX
- IRDETO
- VIACCESS
- ASTON / SECA
- CRYPTOWORKS
- CRYPTOWORKS (Arena)
- PREMIERE



- ALPHACRYPT Light
- ALPHACRYPT Classic
- ALPHACRYPT TC
- VIACCESS MPEG 2+4
- CONAX MPEG 2+4

Boca **NEW**

DSL 250 / DSL 250-T



Digital satellite / terrestrial Receiver

- Multi-functional timer
- Electronic Program Guide (EPG): Up to 7/16 days in advance (channel dependent)
- Timer function linked with EPG
- Power switch/ 2 watt standby mode
- Multi-picture function

DSL 350 1CI



Digital satellite Receiver

- 1 x common interface
- DiSEqC 1.2 control system
- Digital audio output (coaxial)
- 4500 programme storage locations

DSL 500 PVRready



Digital satellite Receiver PVR-ready

- 1 x common interface
- USB 2.0
- S/PDIF, HDMI connection
- Multi-picture function

Meet us in Cologne! We exhibit on the

ANGACable
Fachmesse für Kabel, Breitband und Satellit

from 26. until 28.05.2009
in hall 10.2 / booth A 29



HDTV Receiver Selection

TOPFIELD

TF-7700 HD PVR



HDTV digital satellite Receiver with personal video recorder

- Fully DVB-S / DVB-S2 (H.264) HD compliant
- With 2 tuners
- Time shift supported
- USB memory supported

TOPFIELD

TF-7700 HSCI / TF-7700 HCCI



HDTV for satellite and cable reception

- Supports MPEG-2, MPEG-4, H.264 and fully DVB compliant
- 2 Common Interfaces
- USB 2.0 supported for fast PC interface
- VFD Display for service information

Boca

NEW

HD 200 CI PVR



HDTV digital satellite Receiver PVR-ready

- 2 x Common Interface
- alphanumeric display
- 1 x USB interface
- HDMI connection
- YuV component output

Motors

Aktuatoren/ Actuators

- Mini Actuators – 6", 8", 10", 12"
- Regular Actuators – 12", 18", 24"
- Heavy Actuators – 24", 36"



- SG 99 / SG 99 II – up to 1,00 m
- SG 107 – up to 1,10 m
- SG 2100 A DiSEqC 1.2 – up to 1,00 m
- Stab HH100 DiSEqC 1.2 – up to 1,00 m
- Stab HH120 DiSEqC 1.2 – up to 1,20 m

LNBS

- MTI
- BEST
- INVACOM
- ALPS
- INVERTO
- MAXIMUM
- TITANIUM, etc.



- Single Universal
- Twin Universal
- Quattro Universal
- Quad Universal
- Octo LNB
- Monoblock Single Universal
- Monoblock Twin Universal
- Monoblock Quad
- C Band
- Circular and many more

Inverto

NEW



- Red Extended - 40mm, 0,3dB
- Black Premium - 40mm, 0,2dB
- Black Ultra - 40mm, 0,2dB
- Black Multiconnect - 23mm, 0,2dB

All available as:

- Single Universal
- Twin Universal
- Quattro Universal
- Quad Universal



Full LNB range INVERTO available from stock

Multiswitches / DiSEqC - Switches

- SPAUN
- DTRON
- JAEGER
- JOHANSSON
- MAXIMUM
- BEST



From 2 in/1 out up to 17 in/36 out

sa SPAUN Full Range

Parts

Multifeederholder for 2, 3, or 4 LNB



Wallmounts

- 15 cm distance – Aluminium
- 25 cm distance – Aluminium
- 35 cm distance – Aluminium
- 45 cm distance – Aluminium
- 55 cm distance – Aluminium
- 35 cm distance – Steel
- 45 cm distance – Steel
- 50 cm distance – Steel
- 70 cm distance – Steel



- F-Connector – 7 mm
- F-Connector – 7 mm waterresistant
- F-Connector – 4 mm and more

Remotesystems

- AV-Linker – Videosender for remote control
- Remote Blaster
- Zapline 2 and more



Koaxialcable

- High Quality coax cable
- Minicable Coax
- Mini-Twincable Coax
- > 100 dB / > 110 dB



invacom QDH 031

AVAILABLE AS:

- SNH-031
- TWH-031
- QTH-031
- QDH-031
- SNF-031
- TWF-031
- QTF-031
- QDF-031



Full LNB range INVACOM available from stock

MICROELECTRONICS TECHNOLOGY INC.

High-Line-Series



AVAILABLE AS:

- MTI AP 8 T2NRC Single
- MTI AP 82 XT2N Twin
- MTI AK54 XT2N Quad

Full LNB range MTI available from stock

Inverto

digital-labs

IDLP UST110-CUO10-8PP

Unicable-Standard one cable solution. Cascadable multiswitch for up to 16 users.



Balcony mounting parts



- 25 cm distance – Steel
- 50 cm distance – Steel

ALSO AVAILABLE:

- Balcony stand 100 cm Aluminium
- Balcony stand 100 cm Steel
- Balcony stand "Holland"
- Balcony holder L-form 25 cm
- Balcony holder L-form 50 cm

Dishes

CIBERTINI TRIAX emme esse

- 40 cm – White
- 70 cm – White, Black, Red
- 90 cm – White, Black, Red
- 100 cm – White, Black, Red
- 120 cm – White
- 130 cm – White, Black
- 160 cm – White

Big Dishes directly from our warehouse!

- SDI 1,50 m
- SDI 1,80 m
- Irte 2,00 m
- Irte 2,40 m



Flat-Dishes

NEW

SELF SAT H10D / H10D2

- Works on all Ku-band Satellites
- Cross polarization improved
- Ideal for High Definition (HD) reception

MAXIMUM Flat-1

- Receives alle programs broadcasted by european satellites
- 2 LNB (twin) output for 2 set-top-boxes plugged
- 60/70 cm equivalency



Multifocus Dish

MAXIMUM

E-85 Multifocus 48° Dish



- Ellipse shaped dish
- LNB holder for 5 LNBs, 48°
- Turnable mounting bracket for optimized reception
- Steel with polyester coating

Türkçe konuşan personele sahibiz ! Мы говорим и даём консультации на русском языке!

More products and informations you`ll find on our website www.doebis.de

The Wide World of Extra Features: PC Software for Topfield Receivers

by Thomas Haring

Without doubt South Korean company Topfield is one of the most innovative manufacturers of satellite receivers in the world. Owners of Topfield products not only get a receiver, but a masterpiece of state-of-the-art technology with a whole range of extra features that extend far into the PC realm. We want to take you on a journey to the wide world of Topfield bonus features:

Creating a DVD

If you already own a PVR receiver you certainly had moments when you wished it were possible to save a recorded event on DVD for archiving in a quick and easy way. In actual fact, Topfield receivers save the transport stream they receive via satellite, cable or digital terrestrial TV without any changes or reformatting.

Depending on the actual receiver model in Topfield's comprehensive product range the individual stages you have to go through for creating a DVD differ slightly.

What is the same for all models is step 1: transferring the recorded event from the receiver's internal hard disk to the PC. Topfield provides three procedures to accomplish that task:

- data transfer between receiver and PC using a USB 2.0 connection
- data transfer between receiver and PC using a LAN or WLAN connection
- direct access from the PC to contents stored by the receiver on a hard disk

Direct access from the PC is supported for all receiver types that do not come with a built-in hard disk, such as the TF7700HSCI. Thanks to USB 2.0 these boxes are able to record events on an external hard disk and whenever you need to transfer files all you are required to do is unplug the external hard disk from the receiver and connect it to the PC. MS Windows Explorer will recognise

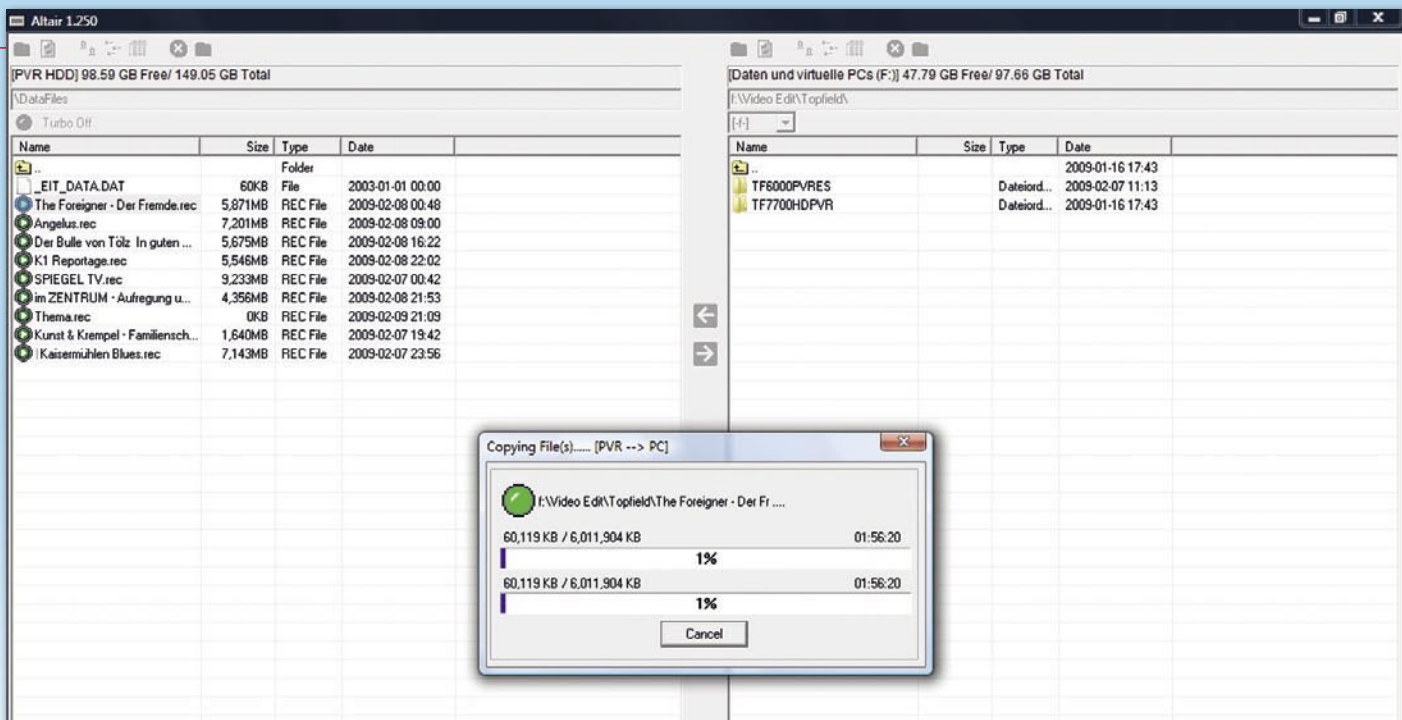
it as a removable disk drive after a few moments and then you're all set for copying files to the local disk.

Data access via LAN or WLAN has also turned out to be a very convenient solution and that is why Topfield has equipped a number of its premium products with LAN or WLAN connectivity. The current top-of-the-range receivers TF7700HDPVR or TF6000PVR, for example, offer this feature.

Luckily, Topfield has not only looked at the hardware aspects but also made sure the software includes functions such as DHCP so that a network connection between the receiver and the PC can easily be set up. Cat-5 cables are needed for a physical connection, in cases where the two devices are linked directly you have to go for a crossover cable, while a straight-through cable must be used if a router or Internet gateway provides access to the network.

Without exception, Topfield receivers with network connectivity come with both a web and an FTP server. This allows





users to establish a connection from the PC to the receiver from any conventional Internet browser or FTP tool and to initiate data transfers using one of these two methods. We should also mention at this point that the integrated web server has many more features in store, such as creating timer entries for recordings over

the network, editing or deleting existing timer entries or deleting or transferring existing recordings to the PC. Of course, status information about the receiver can also be retrieved at any time.

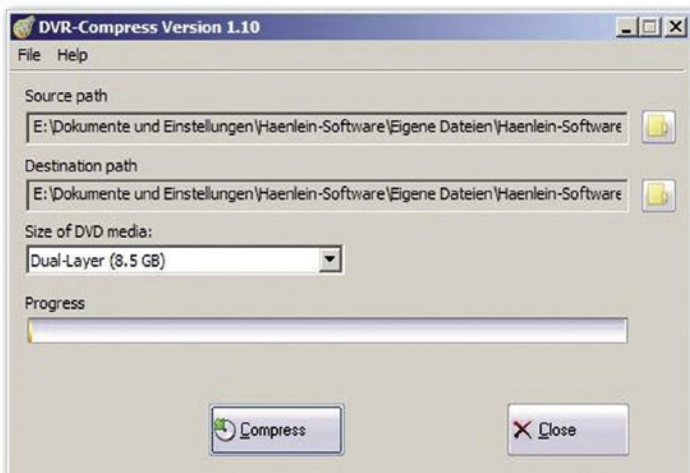
All this is not only available in the local network, but also via the Internet, if required. This means you are able to check right from your hotel room whether your Topfield receiver at home has recorded all events you had set in the timer. Or if you find out a blockbuster movie is on TV that night you can easily create a timer entry so that the receiver will record it even while you are away.

Transferring a recording from the receiver to the PC

To make sure only you or persons authorised by you are able to do this you can of course restrict access by way of setting a user name and password.

The third option of transferring recordings from the receiver to the PC is using the USB 2.0 interface. Currently this is also the fastest and easiest option, even though it is restricted to a local set up and does not support any additional features such as timer management.

A standard USB 2.0 cable can be used to connect the receiver to the PC, but please make sure the length of the cable does not exceed three metres unless



DVR Compress for reducing the file size of recordings that are too large



TOPFIELD®



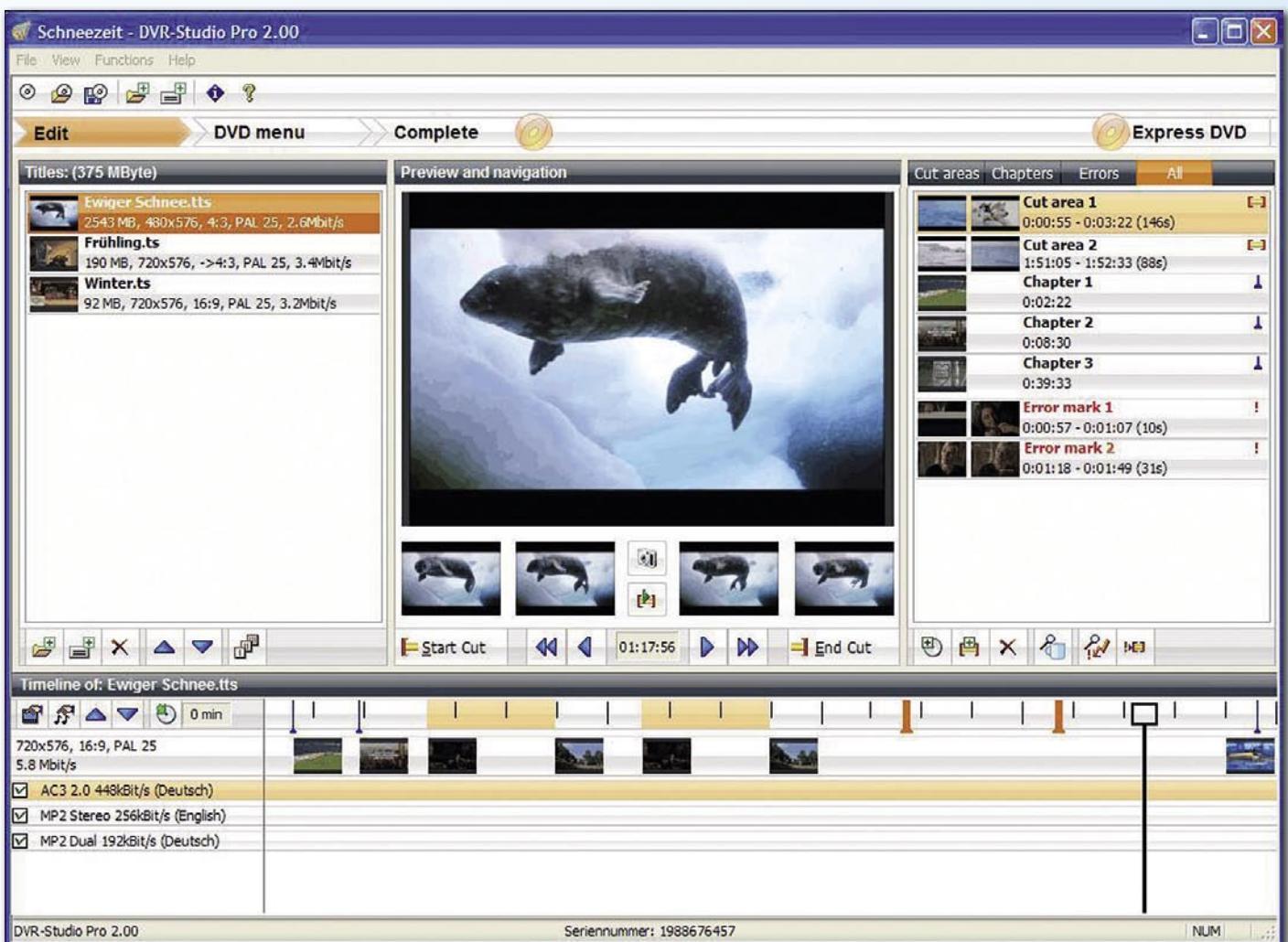
DVR Studio HD creates DVDs or Blu-ray discs from HD material

the signal is amplified. As soon as the connection is established for the first time Windows will ask for corresponding drivers to allow direct communication between the two devices.

Topfield provides these drivers for all 32-bit Windows operating systems including Vista for download from its website. Mac users currently have to use a Windows emulation on their computers

to make use of this connection set-up as there is no native Mac driver available at the moment, unfortunately.

Once all required drivers are installed



DVR Studio Pro 2 takes care of every step from de-multiplexing to burning

FORTIS

What we make, It's standard!

<http://www.fortis.co.kr>



Visit us at

What we make, It's standard!

FORTIS ► *the new HD era.*

FORTIS will make its utmost efforts to bring easy-to-use and specialized products to the customers as a **Digital Creator** with our technological expertise.



FS-9000HD

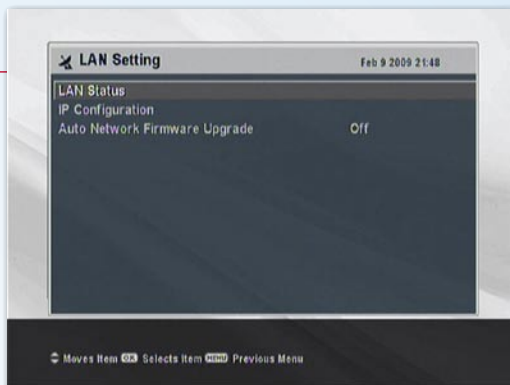
MPEG4 - HD,SD / H.264 / DVB-S2 Twin Tuner
Micro SD slot for external memory
Supporting DivX file play back



Head office

#401 Techno plaza, 149-10 Yatap-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea 463-816
Tel: +82-31-709-1407 / Fax: +82-31-709-0262 / E-mail: sales@fortis.co.kr

FORTIS



Network menu of the TF6000PVRE



Network status displaying assigned IP addresses



DHCP for automatic retrieval for required settings



Manual IP assignment



Software update via satellite

and ready the Windows device manager pops up and can be used for direct access to the receiver's internal hard disk.

Contrary to a network connection, the USB mode makes use of a specific software tool called Altair for data transfer. Altair is available free of charge for download from Topfield's website www.i-topfield.com.

Alistair works similar to an FTP client and features two windows, with one window showing the contents of the receiver's hard disk and the second window a freely selectable directory on the PC. With simple drag & drop you can now move recordings from one hard disk to the other.

As this transfer works both ways it is also perfectly possible to move MP3s or TAP applications from the PC to the receiver as well. Alistair can be used in two different modes: The slower standard mode is recommended whenever the receiver needs to remain fully functional during transfers, e.g. for watching TV or recording an event.

The turbo mode dramatically increases the transfer rate, but blocks the receiver for any user-initiated operations. Pre-programmed recordings will also not start in turbo mode.

If you're still looking for increasing the transfer rate even further you may want to download a so-called download accelerator TAP (http://de.geocities.com/deadbeef55/download/UsbAcceleratorV1_0.zip) from the Internet.

TAPs are small software tools created by resourceful amateur developers within the framework of Topfield-specified guidelines. Please have a look at the corresponding report in TELE-satellite 10-11/2008 for more information about TAPs.

Thanks to loading the accelerator tap and exchanging a DLL file in the Altair directory the transfer rate goes up even further because checksum verification (which is not necessary anyway) is deactivated.

The following comparison clearly shows how the transfer rate changes:

- turbo mode without accelerator TAP: approx. 2.2 MB/s.
- turbo mode with accelerator TAP: approx. 3.37 MB/s.

This means the TAP can boost transfer rates by about 50 percent!

Editing recordings on the PC

So now that all desired recordings have made it to the PC the next step is converting them into a DVD-compatible format. After all, the raw data transmitted from the satellite is of no use for DVD burning applications.

Again, a number of different ways lead to the same goal, with some solutions being available free of charge, others costing real money. We would like to draw your attention to the DVR Studio software offered by Haenlein (www.haenlein-software.de). DVR Studio currently comes in three distinct versions:

- DVR Studio
- DVR Studio Pro 2
- DVR Studio HD

DVR Studio is the least expensive of the three and at the same time at the heart of the two other versions as well. DVR Studio is capable of processing recorded events from 295 receivers and 122 PC cards supplied by a total of 119 different manufacturers.

The application is a combination of demultiplexer to split up the raw satellite data into video and audio tracks, and editor to cut out unwanted commercial breaks or entire sequences. DVR Studio starts out with dividing the recorded transport stream into individual video and audio sections and moves these sections together again with perfect precision to create a DVD-recordable file. Even several different audio tracks can be recorded. The final file created by the software can then be burnt onto DVD by any standard burning software.

If you choose to go for the slightly more expensive DVR Studio Pro 2 version you don't even need separate burning software as the Pro version takes care of every step right down to creating DVD menus and burning the file onto DVD.

As the name implies, DVR Studio HD has all the features of the Pro version with added HD capability. It is the perfect match for the Topfield TF7700HDPVR as it can be used to also burn HD content on DVD or Blu-ray disc.

We should also mention the DVR Compress software at this stage. It com-



ANGA Cable

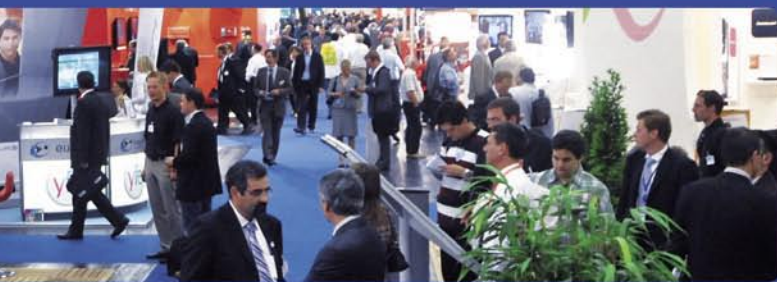
Trade Fair for Cable, Broadband and Satellite



➔ The Exhibition

- 369 international exhibitors in 2008
- 12,000 trade visitors from 68 countries
- 22,000 sqm exhibition space

26-28 May 2009
Cologne, Germany
www.angacable.com



➔ The Congress

- 1,200 participants from 32 countries in 2008
- Strategy and technology panels focusing on Triple Play, Platforms, Regulatory Affairs, Content, HDTV, IPTV, Next Generation Networks and many more

ANGA Services GmbH
Sebastianstr. 189, 53115 Bonn, Germany
Tel. +49 228/96 21 890
Fax +49 228/96 21 895
info@angacable.de
www.angacable.com



Software update via PC using a USB or serial connection

presses recordings in way that allows you to use a single disc when the sheer file size otherwise would not fit into a single DVD.

Editing the channel list

Thanks to flawless implementation of DiSEqC 1.2 and 1.3 (USALS) Topfield receivers are not only able to receive

signals of a single satellite, but virtually thousands of channels from several orbital positions.

This implies that the channel memory will sooner or later be at capacity and also that it simply isn't fun looking for a specific channel in a list that ultimately can hold 5000 entries.

A range of easy-to-use editing, sorting and changing options are available right through the receiver's on-screen menu, but with the huge number of channels at hand most users run out of patience pretty soon.

Luckily, there is an alternative. It's called Vega and is a PC tool that is compatible with all Topfield receivers and which makes organising the channel, favourites, satellite and transponder lists so much easier because you can do it all on the PC. The application is available for download from www.i-topfield.com.

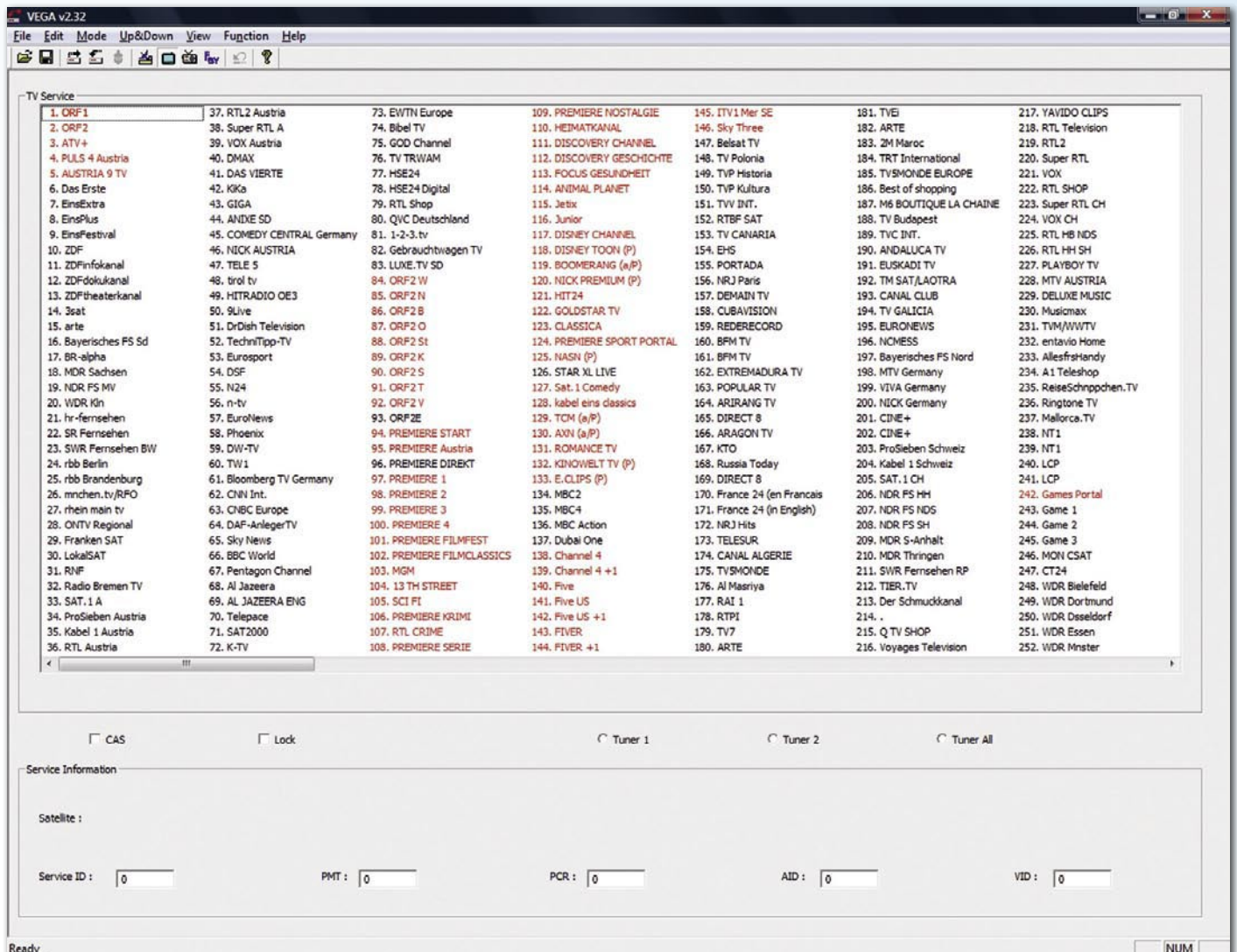
In a first step you need to make sure

all data are transferred to the PC, which takes place either via a USB 2.0 connection or a serial connection. While a standard USB 2.0 cable is required for the USB set-up, you need a 9-pin null modem cable to establish a working serial connection.

For security reasons Topfield receivers allow reading and writing the channel list only before the operating system has loaded, and this means you need to activate the download mode in the Vega application first and then reboot the receiver for data transfer to be initiated.

As soon as all data is available on the PC you can go about editing, sorting, deleting, locking or renaming entries in the channel, favourites, satellite or transponder lists. You will soon come to appreciate the fact that several entries can be moved, deleted or PIN-locked at once.

At the same time, DiSEqC settings or transponder details can be adjusted with



Vega channel list editor



SONICVIEW
Simply the Best



Sonicviewusa.com • 4225 Oceanside Blvd, Suite M101 • Oceanside, California 92056 • United States
00+1+760-842-8931 • 00+1+760-842-8935 FAX • Dealer inquiries contact - sales@sonicviewusa.com

only a few mouse clicks. The only think Vega does not support, unfortunately, is directly loading satellite from www.Sat-coDX.com.

Software update

Topfield goes to great lengths to continuously expand the feature list of its products and to improve the reliability and stability all the time. This is why the firmware and operating software of Topfield receivers can be updated as the need arises.

European users can update their boxes over-the-air via ASTRA 19.2° East or HOTBIRD 13° East or they can choose to manually load new software onto the device.

Topfield regularly releases new versions of the operating system on its Internet platform at www.i-topfield.com for free download. Users simply need

to download the corresponding file and transfer it to the receiver via a USB 2.0 or serial connection using the TFDN-USB application that is also available from Topfield. The procedure is exactly the same as for uploading edited channels lists.

The top-of-the-range TF7700HDPVR as well as all other receivers with an integrated network interface even allow updating the software directly via the Internet. A gateway or router has to be installed to that end, so that it is possible to provide a connection to the Internet for the receiver.

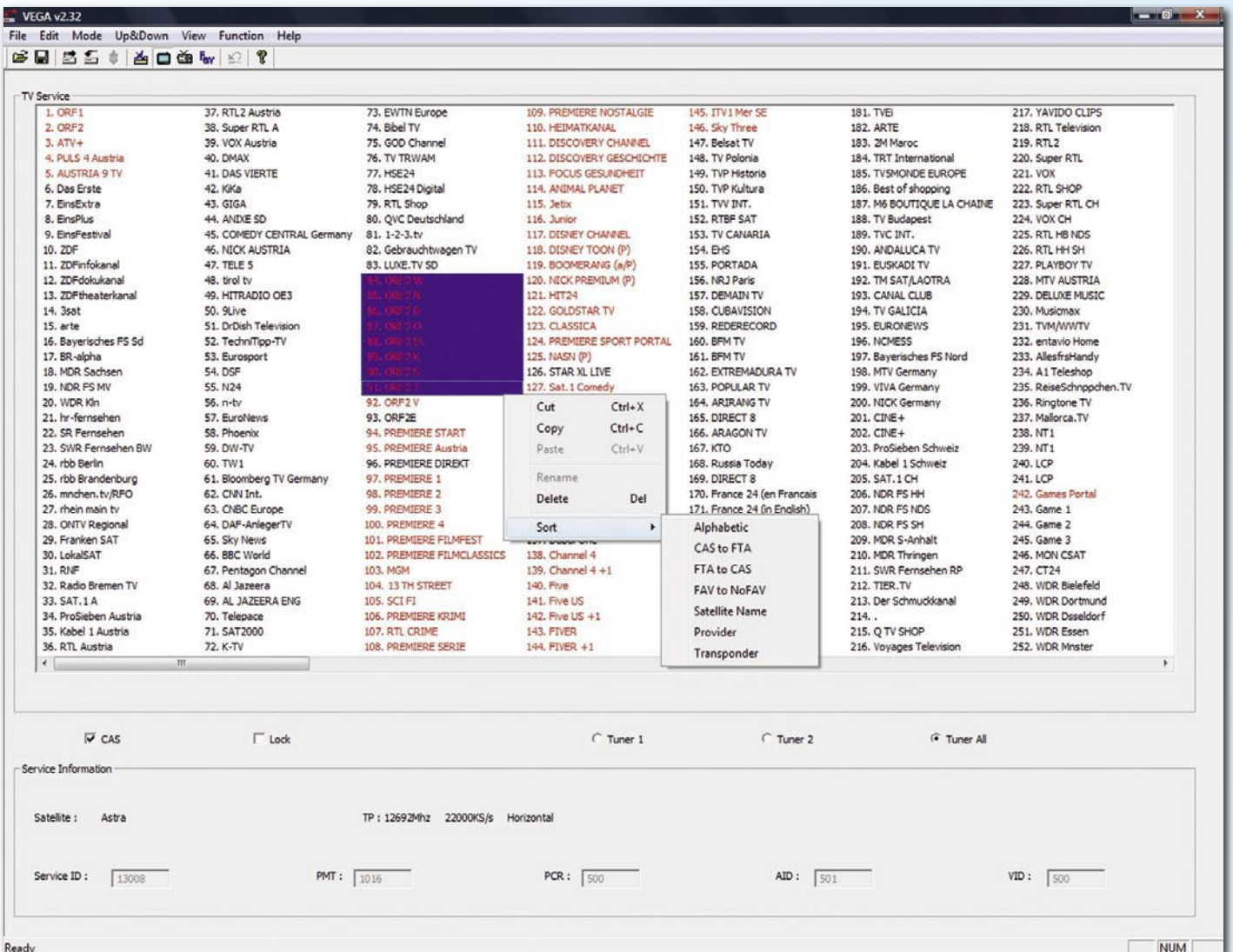
In such a configuration the Topfield TF7700HDPVT, for example, can automatically obtain all information (like standard gateway or DNS server) thanks to DHCP. Alternatively, all settings can also be entered manually. As soon as a connection to the Internet can be established the receiver connects to the Top-

field server and checks whether new updates have been released.

If this is the case the update is loaded and installed without the user having to do a thing. A simple re-start of the box is all that's required before the new software is operational. While an over-the-air update via satellite is equally user-friendly, this new technology is much faster and also provides regular updates for users whose antenna does not point to either ASTRA or HOTBIRD.

In conclusion, it is safe to state that Topfield clearly works with its users in mind. Thanks to innovative solutions it successfully invests in customer satisfaction and raises eyebrows again and again with its advanced technology.

In addition, Topfield makes available a whole range of useful free software that further expanda the different uses of its satellite receivers.



Various sorting modes of Vega

Wireless SmartWi[®]

Multi Room Solution



Living room



Teen room



Kids room

SmartWi is the only proven universal DVB Multiroom solution on the market.

Only SmartWi can guarantee that the content actually stays within the household who has paid for it.

More and more Operators realise that the content copyright holders are most likely to claim additional royalty. This is relevant in cases where the operator releases card clones on the market - without being able to control how and where these cards are used.

Offer your customers a flexible, universal, secure and proven DVB Multiroom solution.

SmartWi - The original professional DVB Multiroom solution since 2004.

Contact us for further information

SmartWi International
E-mail: info@smartwi.net
www.smartwi.net
Tel. +45702 60031

www.SmartWi.net

BEST CHOICE IN HDTV

576i



IF YOU WANT TO COOPERATE WITH OUR COMPANY, PLEASE CONTACT US ON:
E-MAIL: INFO@ABCOM.SK, PHONE: +421 38 5362667

AB IPBox 910HD

1080i



HDTV

- 1 x SMART CARD READER, 2 x CI SLOTS
- PLUG AND PLAY TUNER (DVB-S2, DVB-S, DVB-T, DVB-C)
- INTERNAL SATA 2.5 OR EXTERNAL E-SATA HDD SUPPORTED
- TIME SHIFT FUNCTION
- EPG, PIP, USB 2.0 HOST, MP3 DECODER
- DIVIX SUPPORTED

ab-com
www.abipbox.com

AB IPBox 910HD

Jusqu'où peut aller un récepteur moderne HD PVR tournant sous Linux?



Le progrès dans la fabrication des récepteurs est simplement étonnant! Est-ce que nous aurions pu penser il y a quelques années, lorsque nous avons

encore bricolé avec les récepteurs analogiques, qu'une boîte d'apparence similaire ne nous donnerait pas que simplement des images de couleurs fantastiques incroyablement nettes, mais également reproduire la musique et ses fichiers vidéo, enverrait des courriels, et permettrait de jouer à des jeux? La frontière entre les ordinateurs et les récepteurs est et train de disparaître, donnant naissance à des appareils faciles à utiliser avec un potentiel énorme pour des utilisateurs plus expérimentés.

Et ABCom, célèbre pour ses récepteurs puissants tournant sous Linux participe certainement à réaliser ceci. Ils font correctement leur boulot, améliorant constamment le matériel et le logiciel. Il est particulièrement réjouissant de voir que plusieurs inconvénients de leurs modèles précédents sont déjà corrigés. Aujourd'hui nous avons eu l'occasion d'examiner l'AB IPBox 910HD, un proche parent du 900HD, que nous avons testé dans une édition précédente (Télé-satellite 08-09/2008). Ce nouveau modèle a gardé tous les avantages des précédents. Réception standard et haute définition, en DVB-S et DVB-S2, MPEG-2 et MPEG-4. Vous préféreriez plutôt aider votre grand-maman à continuer de regarder des feuilletons de la TV terrestre, quand les émissions analogiques seront arrê-

ab-com



tées ? Le 910HD vous sera utile là aussi. Le remplacement du tuner DVB-S par un de DVB-T est une question de minutes. Le même est vrai pour un tuner pour DVB-C le câble.

D'une certaine distance vous noterez à peine une différence évidente entre le 900HD et le 910HD. Mais ce sont les petites choses qui comptent ici. Le panneau avant a gardé l'élégance du 900HD, une élégance adaptée même pour les intérieurs exclusifs. En outre on retrouve ici, les 2 logements pour modules, qui sont situés derrière un clapet retenu par un aimant, un afficheur VFD lumineux et facile à lire, ainsi que 8 boutons, qui vous permettent d'actionner presque toutes les fonctions de base du récepteur. Le panneau arrière est également aussi bien pourvu qu'avant, mais il y a quelque chose de plus ici aussi. Si le tuner DVB-S est installé, comme c'était le cas dans notre modèle de tests, vous trouveriez dans le coin gauche une entrée LNB avec une sortie correspondante en boucle. Toutes les relations avec un ordinateur et un réseau sont effectuées par l'intermédiaire du port USB, du port RS-232 et du connecteur Ethernet. Les sorties HDMI, S/PDIF et Y/Pb/Pr prennent en charge la pro-

duction de l'image et du son impeccables.

Un Scart et trois connecteurs RCA sont là ceci plutôt pour la compatibilité ascendante, puisqu'ils ne vous permettent à peine d'apprécier tous les avantages de la TVHD. Le port E-SATA et une sortie d'alimentation pour un disque dur externe sont là aussi, bien que 910HD vous permette d'installer un DD SATA également à l'intérieur du boîtier ! Il démarre lorsque le récepteur est mis en marche, plus besoin de câbles et connexions externes. Mais maintenant vous avez un choix de plus, si vous voulez emporter vos enregistrements, un DD externe pourra toujours être utilisé. À côté du contacteur d'alimentation principale il y a un ventilateur qui protège l'électronique puissante du récepteur contre la surchauffe. Une adjonction vraiment utile ! Cependant, la plupart des utilisateurs sensibles pourraient le trouver un peu bruyant. Ce n'est toutefois aucun problème car on pourra aller dans un magasin d'informatique et choisir un autre, plus silencieux.

La télécommande est la copie exacte de celle fournie avec le modèle précédent. En fait, ceci a même causé une

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0905/ara/abipbox.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0905/ind/abipbox.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0905/bul/abipbox.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0905/ces/abipbox.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0905/deu/abipbox.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0905/eng/abipbox.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0905/esp/abipbox.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0905/far/abipbox.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0905/fra/abipbox.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0905/hel/abipbox.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0905/hrv/abipbox.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0905/ita/abipbox.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0905/mag/abipbox.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0905/man/abipbox.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0905/ned/abipbox.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0905/pol/abipbox.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0905/por/abipbox.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0905/rom/abipbox.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0905/rus/abipbox.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0905/sve/abipbox.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0905/tur/abipbox.pdf

Available online starting from 27 March 2009

certain confusion d'abord ici dans notre laboratoire de tests car nous utilisons toujours le 900HD. Les signaux de commande sont identiques, cependant, les télécommandes des 900HD/910HD peuvent également être programmées pour commander des modèles précédents des IPBox, si vous avez un. Il est également facile de la programmer pour actionner votre poste de TV, où on a des centaines de modèles au choix sur les dernières pages du manuel d'utilisation. Quant à sa conception, nous ne regrettons pas les remarques que nous avons faites dans le rapport de test du 900HD, elle est chargée de boutons, mais ils sont si logiquement disposés, que vous vous habituez très rapidement. Et grâce à un bouton spécial pour plusieurs fonctions du récepteur, il est facile de ne pas se perdre.

Installation initiale

Il pourrait sembler que les progiciels officiels d'ABCom n'ont pas changé beaucoup, au moins en ce qui concerne les premières étapes. Le même assistant vous guide d'abord vers l'écran du choix de la langue (l'OSD peut être affiché en anglais, russe, français, italien, hollandais, allemand, danois, tchèque, slovaque, hongrois, norvégien, polonais, portugais, espagnol, suédois, grec, turc, coréen, croate, bosnien, serbe, bulgare, roumain et finlandais des langues préférées peuvent être également choisies pour l'audio, les sous-titres et le système télétexte), puis suit l'écran de réglage de l'heure locale. A nouveau, un éventail de choix - pour régler l'heure manuellement ou laisser le récepteur l'obtenir auto-





Configuration Satellites |



Configuration du positionneur USALS |

matiquement depuis le flux de données ; les options de mise à jour de l'heure d'été / hiver se font également là.

A la prochaine étape vous aurez besoin que votre soi déjà antenne reliée. Dans le cas du syntoniseur satellite, appuyez d'abord sur le bouton rouge pour ajouter point par point tous les satellites que vous prévoyez de capter. Chacun peut être programmé avec sa propre LOF librement sélectionnable sur le même écran. Toutes les versions du DiSEqC sont implémentées (1.0, 1.1, 1.2 et 1.3), qui peuvent faire de l'AB IPBox 910HD le cœur de votre système multi-satellite. Une fois que tous les satellites nécessaires sont trouvés, pressez sur « exit » pour retourner à l'écran de l'assistant.

Appuyez sur le bouton jaune pour la prochaine étape qui vous emporte droit à la recherche des stations. L'écran qui apparaît a deux options, automatique et manuel. Ces noms expliquent déjà leur fonction. La première balaye simple-ment les fréquences prépro-

grammées ou les fréquences NIT trouvées, alors que la dernière permet d'introduire tous les paramètres manuellement. Naturellement, la modulation et le FEC spéciaux pour la DVB-S2 ne sont pas oubliés non plus.

Le balayage des stations automatique ou manuel régulier n'est certes pas quelque chose que Schumacher apprécierait, mais toujours assez rapide pour le téléspectateur commun. Cela nous a pris 9 minutes pour balayer une position satellite avec 105 transpondeurs. Pour les impatientes qui simplement ne peuvent pas attendre pour avoir la première image sur l'écran il y a une fonction « de chargement rapide », qui active juste la liste des stations préenregistrée. Ainsi si vous préférez avoir plutôt une liste des stations plus à jour, il va falloir être plus patient. Toute autre option peut être retrouvée dans le menu principal de manière logique, qui au début, nous donne également un sentiment de déjà vu. Mais nous savons que les programmeurs

étaient très actifs et devrions donc trouver quelque chose de nouveau ! Ok, ici nous pouvons sélectionner tous les paramètres d'écran, comme le format, le système de TV, le dolby, les sorties Scart, HDMI et S/PDIF. Voici en outre, un sous-menu où nous pouvons relier notre 910HD au réseau local et/ou à Internet, vérifier les paramètres des disques durs ou faire une remise à zéro à la configuration usine. Aha ! Maintenant il y a également un lecteur de fichiers DivX, mais la partie entière du multimédia mérite quelques mots en particulier, attendez-donc la suite!

Où en étions-nous ? Ah, c'est un récepteur satellite après tout. Ainsi avant que nous nous lançons dans l'expérimentation avec le Linux, le telnet et le ftp, saisissons la télécommande et allons voir ses fonctions de base, c'est-à-dire la réception des chaînes numériques.

Utilisation de tous les jours

La liste des chaînes semble identique à celle dans le 900HD, toutes les options utiles sont là. Diverses options de tri, vous pouvez avoir les stations organisées alphabétiquement, FTA/cryptées, par satellite ou par le diffuseur. Appuyer sur le bouton jaune active la fonction de « saut », qui est utile au cas où vous auriez des milliers de chaînes en mémoire en raison de votre système multi-satellite, par exemple, on saute à la prochaine lettre, si vous avez choisi le tri alphabétique. Cependant, pour organiser des choses encore mieux, n'oubliez pas le bouton FAV qui vous permet d'accéder rapidement aux chaînes préférées. Il y a 5 groupes préférés prédéfinis - sports, drame, nouvelles, film et musique. Une pression sur le bouton « i » laisse créer autant de nouvelles listes de favoris que vous le souhaitez, ou encore les supprimer, renommer, déplacer, éditer, ou verrouiller celles existant déjà.

Une pression sur le bouton « i » quand on est dans la liste des stations principale, donne accès aux options d'édition semblables à notre 900HD

favori - édition du volume audio par défaut pour chaque chaîne. Une solution élégante à un vieux problème - combien de fois lors du zapping la chaîne suivante ébranlait votre salon avec un bruit inopinément fort ? Maintenant il suffit de simplement ajuster le volume dans la liste et voilà ! Personne ne se plaindra désormais que votre poste de TV est trop fort !

Parlant de zapping, le 910HD ne rendra pas les fous du zapping très heureux, mais 1 seconde entre les canaux est parfaitement bien pour le téléspectateur moyen. Il peut être plus rapide dans le même transpondeur, ou un peu plus long entre DVB-S et DVB-S2, entre SDTV et TVHD. Mais au moins vous pouvez être sûr que presque aucune chaîne ne vous échappera ! Même une transmission en SCPC comme Calabria Channel sur l'HELLAS SAT 2, avec un SR de juste 1425 ! Un applicatif spécial affichant le taux de débit vous aide à vérifier si l'image et le son d'une stations sont vraiment aussi bons que le radio-diffuseur promet.

Le PIP (image dans l'image) est également aussi bon qu'il l'était. Deux chaînes du même transpondeur peuvent être affichées dans deux fenêtres de taille identique, la seconde peut être affichée dans une plus petite fenêtre derrière la principale, ces chaînes peuvent aussi être basculées entre-elles. Puisque la télécommande est identique à celle du 900HD, c'est la même deuxième rangée de boutons du dessus qui se chargent de cette fonction.

L'EPG à deux modes et facile à utiliser est également ici dans toute sa splendeur. Un clic du bouton marqué EPG énumère des événements prochains pour le canal choisi, en pressent une deuxième fois vous avez un vrai guide de programmes, avec toutes les chaînes voisines montrant leur information EPG, pour autant qu'elle soit fournie par le télédiffuseur. Il suffit alors d'un simple clic avec le bouton marqué d'un cercle rouge sur la télécommande, et votre



Difference from your competitors



Colorful Mesh Dish as you need

- Antenna Dish size : 4.5', 5.0', 5.5', 6.0', 7.0', 7.5', 10' ➔ As you need
- Made from Aluminum material, ➔ Anti-Rusted
- Polyester Powder Colour Coating, ➔ Longer time for Outdoor Using
- Selectable in Black, Red, Pink, Orange, Yellow, Violet, Blue, Silver
- Available for Fixed mount type and Movable mount type
- Special Discount prices for Big Volume and our dealers
- Quality Assurance by Thai Export Promotion Department (Thailand Brand)



INFOSAT INTERTRADE CO., LTD. - www.infosats.com
46/22 Moo.5 Tiwanon Rd., Banmai., Pakkred., Nonthaburi 11120 Thailand
Tel. (66) 2- 961-9161-3 Fax: (66) 2- 961-8587 E-mail: niran@infosats.com

Integrated LNB CKU Band
with DiSEqC Switch
LNB CKU-01 Model

émission préférée est marquée pour l'enregistrement.

C'est ici où le merveilleux PVR entre en fonction. Le 910HD non seulement vous permet de simplement relier un DD externe par le port USB ou E-SATA, il a déjà un DD interne aussi. Notre modèle de test a été fourni avec du DD de 500 giga octets qui est tout à fait suffisant pour stoker non seulement les enregistrements PVR, mais également des films en DivX et de la musique MP3. Pendant que nous parlons du PVR, il vaut noter aussi le bouton « Enveloppe », qui vous permet d'accéder à tous les enregistrements en deux ou trois clics, et l'option merveilleuse du « différé ». Activez-le dans la partie du menu « la configuration avancée » - « Réglages DD », et vous pourrez découvrir la puissance de la magie - arrêtez une émission en direct dans n'importe quel moment, prenez soin de tous les problèmes urgents qui vous dérangent durant la projection de votre film préféré, et puis reprenez exactement au point que vous l'avez laissé ! Il est également facile « de rembobiner » l'émission jusqu'à un moment particulier que vous voulez revoir. Et vous n'avez pas besoin d'être un scientifique pour vous habituer à tout

ceci, tout est une question de 1 ou 2 clics !

Options Multimédia

Puisque le progiciel du 900HD/910HD est constamment développé, les deux récepteurs offrent maintenant la possibilité de reproduire des fichiers vidéo et audio, aussi bien que d'afficher des photos, stockés sur une clef USB ou un DD externe, ou encore sur le DD interne du 910HD, où de tels fichiers peuvent être téléchargés par protocole ftp (lire l'IP du récepteur dans « l'installation avancée » - « réglages IP », utilisez « root » comme identification de l'utilisateur, et « ipbox » comme mot de passe) dans le répertoire « media ».

Le sous-menu de « multimédia » inclut également certaines fonctions du PVR, ce sont « les fichiers enregistrés » pour les enregistrements stockés par le PVR, et « programmation des enregistrements » pour la programmation classique par la minuterie d'enregistrement. Les trois options restantes sont seulement pour les fichiers « externes » mentionnés ci-dessus. Des photos peuvent être visionnées individuelle-

ment, en double cliquant sur leurs noms avec le bouton « OK », ou comme projection de diapositives, qui peut être programmée en appuyant sur le bouton jaune. Le lecteur MP3 salue l'utilisateur avec un écran un peu plus avancé, montrant les boutons classiques d'opération de lecteur de musique, ainsi que la durée du morceau actuellement joué et son débit binaire.

Bien qu'on ne puisse nullement critiquer ces deux lecteurs vidéo / DivX, ils auraient tout de même besoin de certaines améliorations. Dans un film test, qui a joué parfaitement sur notre PC, le 910HD n'a pas pu reproduire l'audio et la vidéo de façon synchronisée. La vidéo retardait de 1-2 secondes par rapport au son. Néanmoins, cela fonctionne, et le problème de synchronisa-



tion sera traité dans les mises à jour prochaines.

Mise à jour des progiciels

Pour un tel récepteur puissant et véritablement universel il est important de maintenir le logiciel interne à jour, parce que c'est énorme potentiel n'est pas encore entièrement

exploité. ABCOM a essayé de simplifier cette tâche, en ajoutant la possibilité de télécharger et d'installer les progiciels directement depuis le récepteur, sans aucun recours à un dispositif externe. Mais, malheureusement, quelque chose s'est sérieusement mal déroulée. Le 910HD que nous avons obtenu avait la version 8340 du progiciel, alors que selon le

site Web du fabricant, le plus récent est le 8360. La manière la plus simple était d'aller au menu de « d'installation avancée » - « mise à jour depuis le réseau ». Et que voit-on ici ? Deux versions du progiciel totalement périmées ! Ce problème doit définitivement être pris en compte par le fabricant. Nous avons dû choisir une autre manière de mettre à jour

les progiciels du récepteur en utilisant la clef mémoire USB.

Du point de vue matériel l'AB IPBox 910HD ne laisse rien à désirer. Tous les connecteurs nécessaires, la possibilité d'interchanger les syntoniseurs très facilement, la capacité de capter les DVB-S et DVB-S2, MPEG-2 et MPEG-4, TVHD et SDTV. Vous pouvez même copier tous vos films, fichiers de musique et photos préférés sur son disque dur. Jouer des jeux ou consulter les prévisions météorologiques. Installer facilement les centaines d'adonnctions d'applicatifs disponibles. Ou encore transformer le récepteur en quelque chose totalement nouveau en installant un des progiciels alternatifs. ABCOM continue à faire son travail, et comme la majorité de fonctions de base fonctionnent parfaitement dans le 910HD, il représente un bon choix durable!



ab-com



Avis de l'expert

+

Un récepteur qui satisferait presque tout le monde, puisqu'il peut être complètement modifié par de différents types de progiciels. Au cas où le progiciel officiel serait utilisé, il est vraiment facile de le piloter, même des enfants n'auraient pas des problèmes pour trouver une chaîne préférée de dessins animés. Un progiciel alternatif peut même rendre heureux un radioamateur inconditionnel. Flexibilité et l'universalité totale – Les DVB-S, les DVB-S2, MPEG-2, MPEG-4, la TVHD et TVSD sont parfaitement reconnues. Le remplacement facile d'un syn-toniseur peut en faire récepteur câble ou TNT.



Nickolas Ovsyadovsky
TELE-satellite
Test Center
Hungary

La possibilité d'installer DD interne permet d'éviter le désordre avec les fils externes, mais un DD externe peut en plus y être relié. Un véritable boîtier multimédia, combinant le satellite/câble/TV numérique terrestre avec un excellent lecteur de musique, de fichiers DivX et de photos.

-

La recherche et la commutation des chaînes aurait pu être un peu plus rapide.

On devrait vérifier la lecture des fichiers DivX pour que l'audio et la vidéo soient parfaitement synchronisées. Le ventilateur sur le panneau arrière pourrait être remplacé par un modèle plus silencieux.



Liste des chaînes |



Mode PIP avec choix de la seconde chaîne |

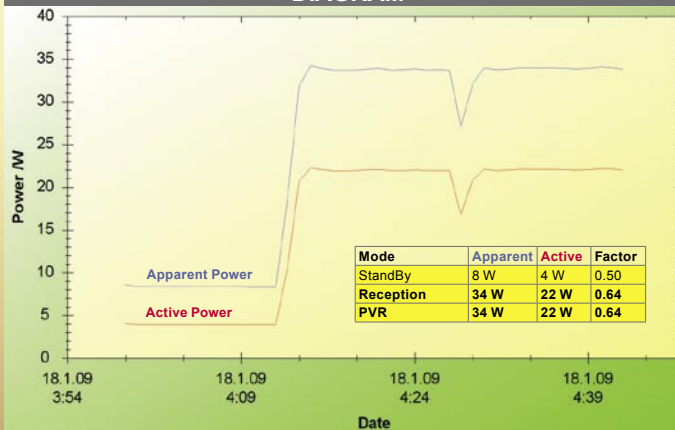
TECHNIC DATA

Manufacturer	AB-COM s.r.o., Gogolova 1, 955 01 Topolcany, Slovakia
Tel	+421-38-5362611
Fax	+421-38-5322027
Internet	www.abipbox.com
Email	info@abcom.sk
Model	IPBox 910HD
Function	Digital Linux-based HDTV PVR receiver for DVB-S, DVB-S2, DVB-C and DVB-T reception
Channel Memory	10000
Symbol Rate	1-45 Ms/sec.
SCPC	yes
DiSEqC	1.0/1.1/1.2/1.3
USALS	yes
Scart	1
HDMI	yes
A/V output	3 x RCA
YUV output	3 x RCA
UHF output	no
S-Video output	no
0/12 volt connection	no
Dig. Audio connection	yes
Ethernet port	yes
USB 2.0 port	yes
RS-232 interface	yes
EPG	yes
C/Ku band compatible	yes
Power Supply	110-245 VAC, 50/60 Hz
Dimension	300x60x240 mm



Réception SCPC avec un SR de juste 1425 |

ENERGY DIAGRAM



Something new is happening at Sea Tel®



NEW! USAT24.
Ultra-small 60cm
broadband.

NEW! 2406.
Commercial quality
60cm broadband.

NEW! ST14.
New design.
Better performance.

Same company. Advanced technology. Strengthened by Cobham.

Sea Tel's logo has changed with the addition of Cobham's name, but Sea Tel's superior products and service remain the same. Along with the new logo and the recently released 2406 60cm antenna, Sea Tel is pleased to announce a smaller, lighter 60 cm Tx/Rx antenna system, the USAT 24, an Ultra Small Aperture Terminal. Plus the new ST14 TV-at-Sea antenna features an advanced pedestal assembly, made of durable nylon polyamide injection molding used on aircraft antennas. Tests reveal 1.3 dB more signal than competitors.

Sea Tel... new look, new products, and a strong commitment to keep you connected at sea.



Sea Tel
COBHAM

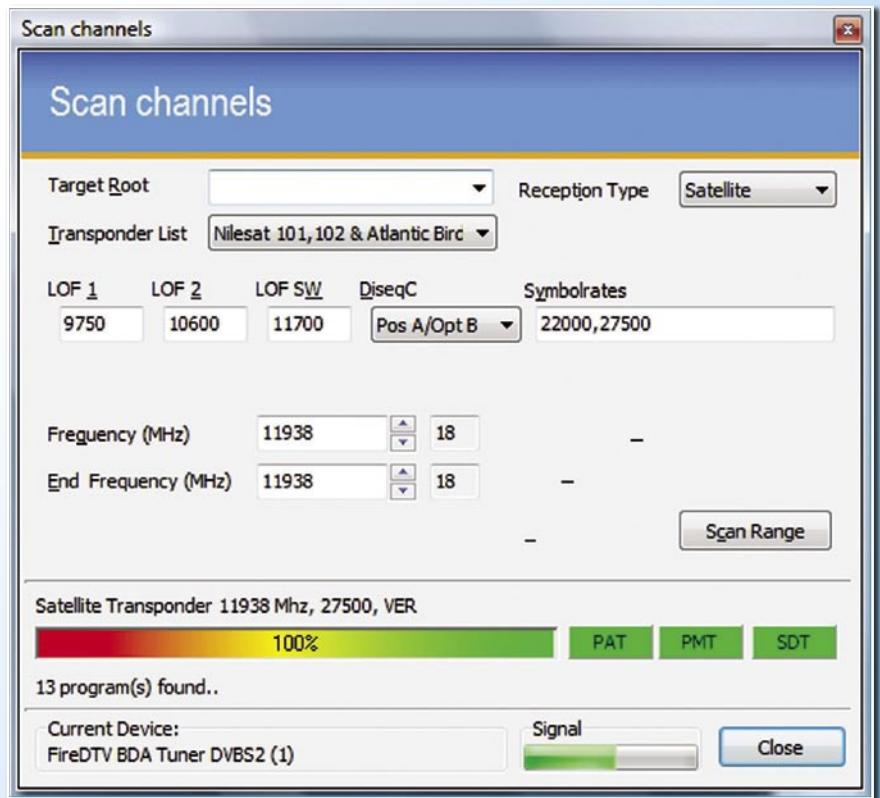


Cobham SATCOM Marine Systems
Sea Tel, Inc.: +1-925-798-7979
Sea Tel Europe: +44 2380 671155
www.cobham.com/seatel

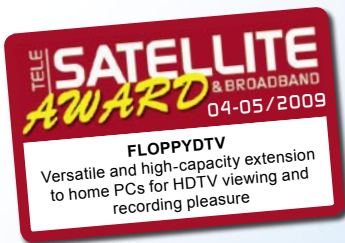
FloppyDTV Perfect DVB-S/2 Solution for the PC

PC in a fast and hassle-free way? And if you consider that most PCs are connected to high-resolution LCD monitors while the TV sets in living rooms still have a long way to go before being 100% flat screen it comes as no surprise that DVBSHOP decided to add the FloppyDTV card/

Most up-to-date HDTV satellite receivers come with Ethernet or USB 2.0 interfaces that allow transferring recorded events to a PC for post-editing and storing recordings on a portable storage medium (DVD etc.). However, most of these receivers regard satellite reception as their prime business and thus do not put much effort into making interfaces very fast.



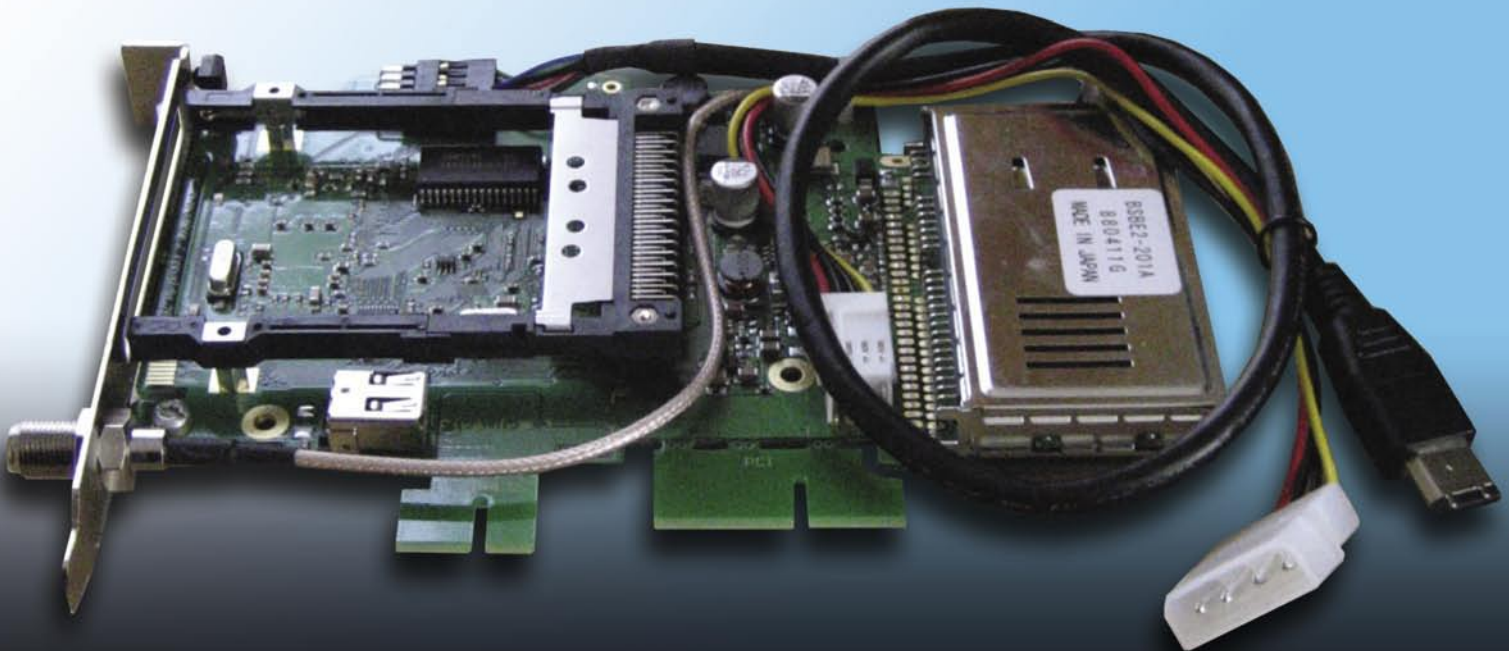
Transponder scan on NILESAT 7° West |



Have you ever looked at the size a movie-length HDTV recording requires on the integrated hard disk of a satellite receiver? You might

be surprised to find out that 10 GB is about the norm. So wouldn't it be convenient if recorded TV or radio events could be transferred to the

FireDTV box to its product range. While all electronic components are fixed onto a single board in both products, data transfer as such



digipower™ motor

The Best Solution for Motorization DiSEqC H-H Motor

SG-2100A

- 1.2m Dish max.
- 60 Memories
- Controlled by Receiver
- Powerful, Fast and Low Noise
- Manual E / W Button
- Goto X.X° Function
- Indicating LED for Easy Trouble Shooting

DiSEqC Positioner

V-Box II

- 99 Memories
- Controlled by Receiver
- 3 Digit LED Display
- Full Protective Design
- Optional Remote Control
- Software Limit Protection



Stand Alone Positioner

EZ-2200

MP880

- 99 Memories
- IR Remote Control
- 3 Digit LED Display
- Software Limit Protection



1F-1, NO.79, SEC1, SHIN-TAI 5 ROAD, SHIJR CITY, TAIPEI HSIEN, TAIWAN
TEL: +886-2-2698-1220 FAX: +886-2-2698-1324 E-mail: motech@seed.net.tw <http://www.motech.com>

MOTECK
ELECTRIC CORP

MOTORIZED YOUR ANTENNA
actuator, control, polarmount, cable

KOMSIS
ELEKTRONİK

Komsis Elektronik Sistemleri San ve Tic. Ltd. Şti.

Yunussemre Mh. Yenidoğan Yolu Cd. Tabiat Sk. No:31

Yenidoğan - Ümraniye / İstanbul

Tel: (216) 430 94 00 PBX - Fax: (216) 430 94 06 - E-mail: komsis@komsis.com

KOMSIS ELEKTRONİK SİSTEMLERİ which was founded in 1993 is recognised today as one of successful leading telecommunication companies in Turkey, a pioneer in this sector. KOMSIS is a close follower of the contemporary technological developments at international level and possesses an advanced technological park as well as a modern equipped laboratory operated by highly qualified personnel.

**Our Company is the producer of
Multiswitch - Headend systems - CATV systems, A/V Sender**

The large variety of products presented to the consumer are created by special research, design and software with 100 % Turkish capital and technologies. We can easily adapt to your needs expectations due to its flexible, cost-oriented production model.

Relying on these assets, the company has assumed the mission of developing innovative, creative technologies and products which would finally make KOMSIS a world trade mark of wide market consciousness and acceptance.

satellite
Electronic Systems



does not take place via PCI or PCI-e but via FireWire. With this, end users have the added benefit of being able to choose either an internal or external model of this product. The external version is called FireDTV and comes as a small box with all necessary ports being located on one side. The internal version bears the name FloppyDTV and can simply be plugged into an available PCI or PCI-e slot.

What unites both models is their FireWire interface for data transfer. Some readers may ask 'Why FireWire?' at this point. Well, contrary to USB 2.0, FireWire can maintain a specified minimum transfer rate, which is a particular bonus when it comes to high-resolution video. While in theory, USB 2.0 can reach slightly higher transfer rates, most real-world scenarios prove that FireWire has the leading edge.

Apart from that, most modern PC systems these days come with a FireWire interface anyway, and even if you should find out your particular PC doesn't, you can always add a FireWire interface and it won't cost you a fortune.

As it turns out, DVBSHOP made a smart move with focusing on FireWire, even more so as this type of interface has been gaining ground in the home video segment for many years now anyway.

DVBSHOP sent us the internal model for our test – the FloppyDTV. It can easily be slotted into any PCI or PCI-e port and draws its power directly from the PC's internal power supply. All you need to do is connect the supplied power cord to one of the 4-pin power sockets that

are also used to power hard disks, DVD drives and so on.

The outward facing side of the card features the tuner connection as well as – slightly below – a CI slot that can take any standard module for conditional access systems like Irdeto, Seca, Viaccess, Conax, Cryptoworks, Nagravision and so on. The FireWire interface required for data transfer is located directly on the printed circuit board of the FloppyDTV and cannot be accessed from the outside. This means the card needs to be connected to one of the PC's internal FireWire ports. In case such an internal port is not available, the FloppyDTV package includes a second slot sheet that can be used to guide the FireWire cable to the outside and then connect it to one of the regular FireWire ports of the PC. The manufacturer can even supply a suitable adapter kit to install the card into a 3.5 inch hard disk slot, but this device is not included as standard.

DVBSHOP ships three versions of the FloppyDTV card: DVB-S/2, DVB-C and DVB-T. It's a pity that the card is not designed for swapping tuners because the tuner is permanently soldered onto the printed circuit board. A tuner that could easily be changed even by users with only moderate technical skills would provide some wonderful icing on the cake.

Installation

If you're looking for an impressive demonstration of how Plug&Play is supposed to work you've come to the right place. Simply identify an available PCI or PCI-e slot and insert the card. Indentations for both slot types are provided or you may also choose to simply detach the bracket that is not required to



Channel list sorted according to providers |



Channel list sorted alphabetically |



Channel 4 HD with info bar |

make sure the card firmly sits in place. Usually you will also easily find an unused power connector and be able to connect the card to an internal FireWire port. And that's it!

The manufacturer ships this product with a handy step-by-step installation guide. The minimum system requirements are Pentium IV

1.5 GHz or Athlon XP+ 200 for SDTV and Pentium IV 3.5 GHz or Athlon XP+ 3500 with a DXVA/H.264 compatible graphics board for HDTV. Both the Windows XP and Windows Vista operating systems are supported, the latter with 32bit as well as 64bit.

Apart from the provided FireDTV Viewer you may also

Simply
television

 The Black-Forest-High-Tech-Company 

BLACK FOREST HIGH TECH



**DISTRIBUTORS
WANTED**

> sales@smart-electronic.de

www.smart-electronic.de

smart[®]

use the card in combination with the Windows Media Center (only with Windows Vista and Windows MCE 2005). As – unfortunately – the Windows Media Center does not support HDTV with H.264 we decided right at the start to use the in-house software solution provided by the manufacturer.

Installation was completed in a breeze, and we also did not encounter any difficulties installing all required drivers on our test PC which is equipped with Intel Core2Duo 1.8 GHz, 2 GB RAM, Nvidia Geforce graphics board and Windows Vista. A few minutes was all it took to get ready for HDTV on the PC.

Everyday use

Even at first sight the FireDTV Viewer impresses with its sleek, cleverly laid out and easy to use appearance. The manufacturer went at great lengths to avoid overpowering users with a main screen that is full of buttons, features and adjustment options. Thanks to this strategy even absolute beginners will not be overwhelmed by an endless variety of settings and thus should be able to use the software after only a short while.

The main window displays the selected TV channel in presentation mode (full screen) or any desired size. Only when the mouse cursor is moved to the outer right section of the window does a channel list pop up. This way no valuable space is wasted by a permanent channel list display.

The control bar is located at the lowest end of the FireDTV Viewer and can be used to control the viewer. Altogether it boasts eleven buttons, which are (from

left to right): play/pause, record, timer, previous channel, search, one channel down, one channel up, volume, mute, teletext and EPG. Above the control bar a second bar indicates the current position during playback. It can also be used to move to another position thanks to time shifting during playback and recording. There are no dedicated buttons for fast forward and fast rewind, but thanks to the time shift bar this is no real loss.

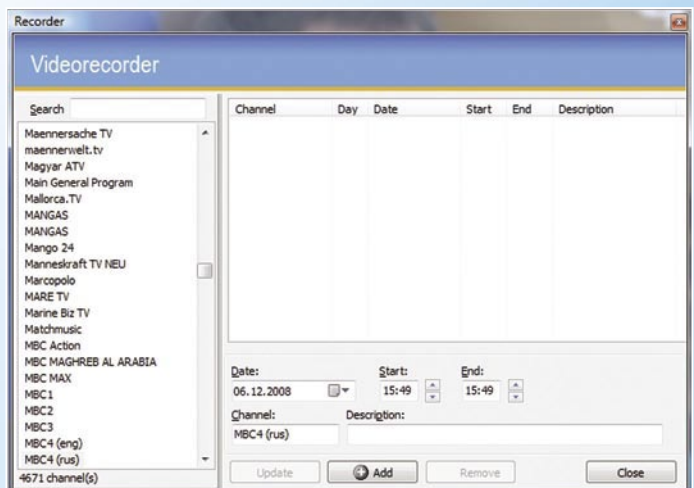
Once the installation process is finished the software is ready to perform its first channel scan. The FireDTV Viewer comes with a pre-stored list of 153 European, Asian and American satellite positions which is quite up-to-date and well sorted. Any required LOF can be used which means that the good old C band is supported just as well as signals from the exotic S band.

DiSEqC 1.0, 1.2 and 1.3 are available if your set-up includes more than one LNB and make the software compatible with small dual-feed antennas as well as motorised dishes. Only those relying on DiSEqC 1.1 (frequently used in combination with multi-focus antennas) are left standing in the rain, as the software currently is unable to work with such systems. In the end, however, the manufacturer would be able to rectify this glitch with a simple software update.

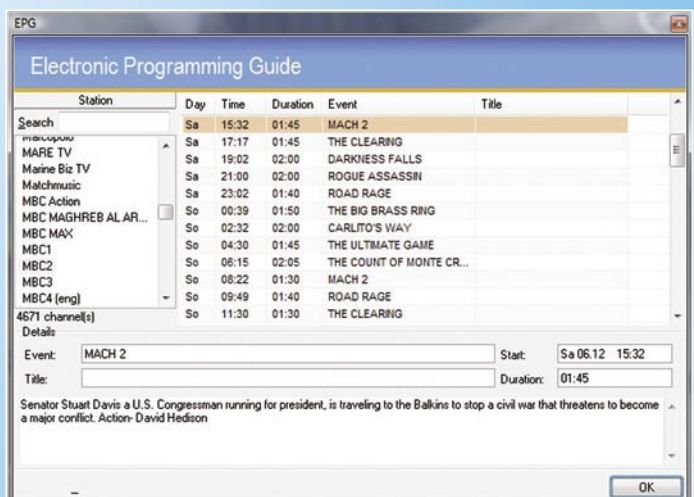
The pre-stored transponder list allows performing a channel scan either across the full frequency range of a satellite or for a restricted range. Alternatively, a single transponder can be chosen for a scan as well. Each scan result is saved separately with an individual time stamp by the software and it is even



CI menu |



PVR timer function |



Extended EPG |

possible to decide whether the result should be added to an existing list or stored separately. In case you don't use a conditional access module it is of course perfectly possible to restrict any search to free-to-air channels only. We tested the software with

HOTBIRD 13° East with its 100+ transponders and were surprised it took only 4:20 minutes to find more than 1500 TV and radio channels, which is quite an achievement.

Now that the channel list is

filled it is worthwhile looking at the settings menu: Here you can choose your favourite OSD language (German, English and Italian are currently available), the directory for recordings and the time shift buffer, you can define whether recordings exceeding a certain size should be divided into several files and select the used hardware components. Even a dedicated codec can be selected manually for each supported output format, unless you decide to let the FireDTV Viewer take care of this by activating the 'auto' mode.

Whenever you tune into a new channel the software displays an info bar in the lower screen area. It shows EPG information relating to the current event if the channel provides this data. Switching channels takes approximately one second, which is fairly impressive for a PC solution.

The channel list that pops up in the right screen area can easily be sorted, edited and adjusted to personal preferences. You can sort and display channels alphabetically, according to providers, frequency or satellite and you can blank out either TV, radio or encrypted channels.

Channels you never watch can be deleted while channels you watch on a regular basis can be moved into a favourites list. Another feature we really appreciated is the search mode which you can use to find even channels that are hidden way down the channel list.

Simply press the EPG button in the status bar to open the cleverly laid out EPG that displays information

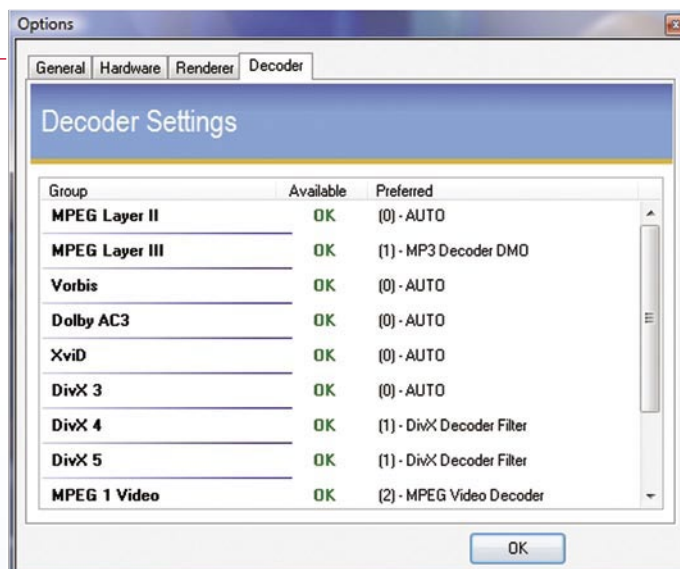
for up to a week in advance, if provided for the selected channel. Naturally you can mark EPG entries for recording with a simple touch of a button – we would not have expected anything less for a premium product anyway.

In case no EPG data are available for certain channels it is of course just as well possible to create manual timer entries or edit existing entries through a dedicated timer menu. The integrated teletext decoder rounds off the fine overall impression of the FireDTV Viewer. Like all other features, it performed flawlessly during our test.

TELE-satellite tests the reception capabilities of all receivers that make it to our lab, and the FireDTV was no exception. It performed well and was able to also pull in weaker signals from NILESAT 7° West or EXPRESS AM1 40° East with ease. The tuner also did a good job with SCPC signals and created a steady signal with symbol rates of 2 MS/s and above. Only when the symbol rate was just 1 MS/s from EUTELSAT SESAT 36° East did the FloppyDTV not pass the test.

H.264 HDTV reception was not a problem with our test PC and we were able to run other applications next to the TV window without noticeable limitations. But what about older systems?

We stumbled across an old Pentium IV PC in our basement and revived it to check how the FloppyDTV works with less state-of-the-art PC hardware. The result was far better than what we had anticipated: While it came as no surprise that SDTV reception worked brilliantly, we found that even HDTV reception was possible, albeit with some frozen



Selection of different codecs!

Expert Opinion



+

The FloppyDTV card is an extremely versatile and powerful extension to your existing PC at home. It allows storing and editing TV and radio contents directly on your hard disk. The FireDTV Viewer also performed very well during our test and stands out thanks to its ease of use.

-

DiSEqC 1.1 switches are not supported and editing the pre-stored satellite and transponder lists is rather cumbersome.

TECHNIC

DATA

Distributor	DVB Shop Network and Television GmbH D-04509 Neukyhna OT Pohritzsch, Germany
Email	webmaster@dvbshop.net
Website	www.dvbshop.net
Tel	+49 (0) 34954/31960 (Mo-Thu 13:00-17:00)
Fax	+49 (0) 34954/49233
Model	FloppyDTV
Function	Internal PC Card for the reception of SD and HD content via DVB-S/2 using FireWire connector
Channel memory	unlimited
Satellites	153
Symbol rates	2-45 Ms/sec.
SCPC compatible	yes (tested > 2 MS/s)
USALS	yes
DiSEqC	1.0, 1.2, 1.3
EPG	yes
C/Ku-Band compatible	yes

frames every once in a while and no way of working with other applications simultaneously as the processor was really pushed to the limits with HDTV viewing.

This proved once more that HDTV solutions for PCs require an enormous amount of processing power as well

as an equally capable graphics board.

Thanks to decreasing prices for hardware components and technological progress, however, most modern home PCs can be expected to meet these requirements and should be a perfect match for the FloppyDTV card.

OPENSAT 3000CRCI PVR

Un petit récepteur avec un grand potentiel



L'OPENSAT 3000CRCI PVR est un petit récepteur CI (avec interface commune) et PVR. Il a des dimensions exceptionnellement petites et peut donc être intégré dans tout meuble multimédia de votre salon. Le panneau avant comporte un affichage à segments à quatre chiffres et - dans le coin gauche supérieur - le bouton de mise en veille. Tous les autres boutons et lecteurs sont cachés derrière un clapet.



Lorsque vous ouvrez ce clapet vous découvrirez les sept boutons pour actionner le récepteur sans sa télécommande, un logement PCCIA pour tous les modules standard tels que Irdeto, Seca, Viaccess, Cryptoworks ou Nagravision, un lecteur de cartes de Conax ainsi qu'un port USB.

Le panneau arrière est éga-

lement bien équipé et dispose de l'entrée satellite habituelle IF et sa sortie en boucle 2 connecteurs de scart, 4 broches RCA pour audio en stéréo et la vidéo, un sortie tension de commande de 0/12 Volts, une sortie audio numérique optique, une sortie de modulateur de fréquence ultra-haute, une interface RS-232 et un commutateur mécanique d'alimentation principale.

La télécommande qui est fournie avec le récepteur se prend bien dans votre main, est d'un design agréable



et affiche un marquage lisible. Malgré que les menus à l'écran de ce récepteur OPENSAT soient plus ou moins explicites, le fabricant fournit un manuel d'utilisation complet qui résout toutes les questions qui puissent encore se poser. Il traite toutes les fonctions et options du récepteur et fournit des photos et des illustrations en cas de besoin.

La qualité globale de la construction du 3000CRCI est très bonne et nous n'avons eu aucunement à nous plaindre de l'unité que nous avons reçue pour l'essai.

Utilisation courante

Ce récepteur n'est pas équipé d'un assistant d'installation, ainsi il vous faut commencer par choisir votre langue préférée pour les menus à l'écran. Une fois que vous avez trouvé cette partie du menu les langues suivantes sont disponibles : Anglais, français, allemand, italien, espagnol, turc, polonais, farsi, slovaque, slovène, tchèque et hongrois.

Le menu principal propose une structure claire et est

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Download this report in other languages from the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0905/ara/opensat.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0905/bid/opensat.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0905/bul/opensat.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0905/ces/opensat.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0905/deu/opensat.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0905/eng/opensat.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0905/esp/opensat.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0905/far/opensat.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0905/fra/opensat.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0905/hel/opensat.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0905/hrv/opensat.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0905/ita/opensat.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0905/mag/opensat.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0905/man/opensat.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0905/ned/opensat.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0905/pol/opensat.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0905/por/opensat.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0905/rom/opensat.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0905/rus/opensat.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0905/sve/opensat.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0905/tur/opensat.pdf

Available online starting from 27 March 2009

OPENSAT

DVB
Digital Video
Broadcasting

OPENSAT

divisé en six catégories (liste des stations, configuration d'antenne et balayage, réglages, outils, jeux et PVR). La première étape exige d'ajuster le récepteur selon l'équipement de TV existant.

Les systèmes de couleur PAL, de PAL-, PAL-N, SECAM et NTSC sont implémentés et peuvent être sélectionnés manuellement - ou vous pouvez opter pour la fonction automatique et laisser le récepteur prendre soin de tout. Les signaux vidéo peuvent être générés en RVB ou en CVBS, la S-Vidéo et le YUV ne sont pas implémentés par le fabricant. Le modulateur UHF peut être activé dans une section spécifique du menu, les canaux 21 à 69 étant proposés pour ceci.

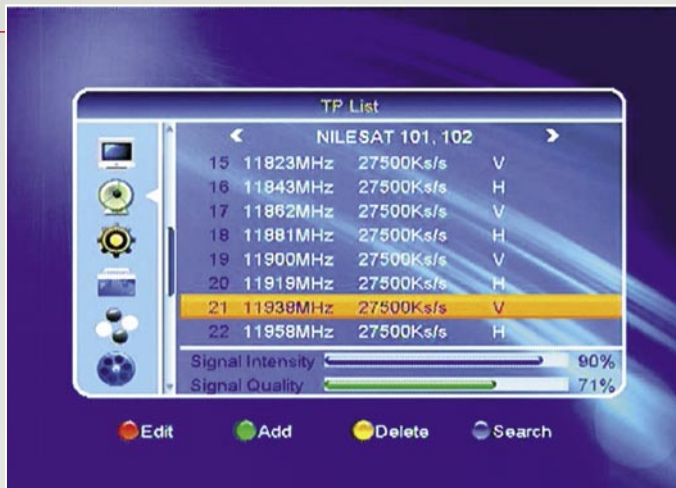
Comme tous les appareils DVB, l'OPENSAT 3000CRCI peut synchroniser l'heure locale par le signal horaire transmis par les satellites. Pour être sûr que l'heure est correcte vous devrez cependant, définir le décalage de l'heure locale par rapport au GMT. Alors que la plupart des autres récepteurs exigent des utilisateurs de corriger le GMT par intervalles de +/- X heures, ce récepteur énumère un certain nombre de villes bien connues correspondantes à un fuseau horaire ce qui facilite à déterminer le fuseau horaire appropriée, même lorsque vous n'êtes pas à 100% sûr du nombre d'heures que vous devez corriger.

Une section de menu correspondante vous demande d'ajuster la correction heure d'été / hiver jour de sorte que vous devriez plus jamais vous inquiéter de devoir modifier l'heure deux fois par an. Certains réglages additionnels utiles comme l'OSD ou les options de commutation de canal complètent cette partie du menu.

Ensuite, le récepteur doit être configuré pour le système de réception existant. Il vient avec une liste préenregistrée de 44 positions satellites européennes qui est très à jour et très complète aussi. Les boutons à différentes couleurs sur la télécommande peuvent être utilisés pour ajouter de nouveaux satellites en un rien de temps, pour éditer les positions existantes ou pour supprimer celles qui sont périmées ou inutiles.

Le récepteur doit également être informé s'il sera relié à une antenne motorisée ou fixe car il implémente les protocoles DiSEqC 1.0, 1.1, 1.2 et 1.3 (USALS). Grâce au DiSEqC 1.1 une antenne à foyers multiples pourrait aussi être reliée à ce récepteur OPENSAT, ainsi que des paraboles avec ces moteurs pratiques USALS qui exigent seulement que l'endroit exact où se trouve l'antenne soit introduit pour ensuite trouver tous les satellites disponibles. Divers LOF (fréquences de l'oscillateur local) sont mémorisés de sorte que la réception de la bande C devienne aussi une option outre la réception de la bande Ku. Même des signaux circulaires retransmis par des LNBF peuvent être reconnus et traités. Dans l'ensemble, la gamme des LOF disponible est plutôt impressionnante, malgré qu'il ne soit pas possible d'introduire une LOF spécifique manuellement.

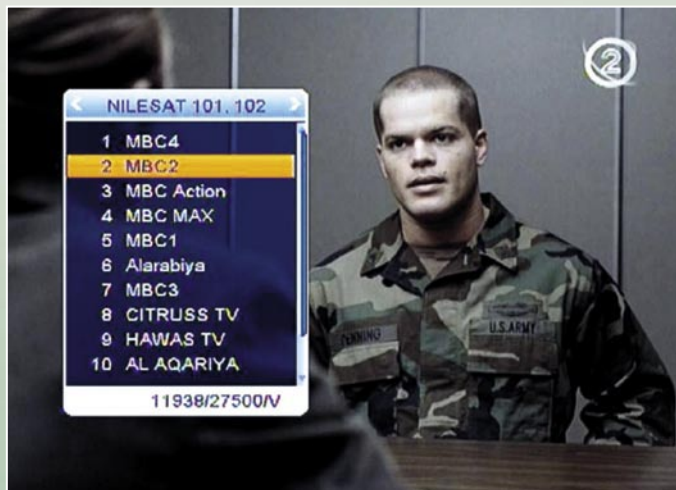
Le 3000CRCI dispose une mémoire de 4000 canaux et pour la remplir avec les



Liste de transpondeurs de NILESAT par 7° Ouest |



EPG |



Liste des stations |



OPENSAT



Winners of The Queen's Award For International Trade 2007, Horizon Global Electronics is a UK Company established in 2001 specialising in the design and manufacture of hand held test equipment for the digital satellite and TV sector. Our strength lies in being able to find innovative solutions to leading technology issues .

HORIZON

For a reliable solution!

INTRODUCING THE HORIZON DIGITAL METER RANGE

THE HORIZON DIGITAL SATELLITE METER USB & USB PLUS



HDSM USB

- New graphics capable 128 x 64 pixel high brightness (adjustable) backlit LCD
- New Full Speed USB 2 interface with automatic driver download
- Full backwards compatibility with existing HDSM downloads
- New 3300 mAh battery pack offering in excess of 7 hours operation
- New nylon F connectors for maximum durability
- Faster processor with recall of last selection used
- New manual carrier configuration mode
- Twice the satellite setting capacity with 64 selections available
- Lock indication within 100ms of acquiring the satellite
- Custom program files available on request (e.g. VSAT)
- L-Band, C-Band, Ku-Band and Ka-Band capability
- Quality indicator (Pre BER) displayed alongside RF Level (dBuV)
- Pre and Post BER can be displayed with their actual values (setup option)
- Toggle to display Post BER and Carrier to Noise (dB)

- DiSEqC switch commands (available from sub menu)
- Symbol rates 2Msymb to 45Msymb
- Frequency range 950 to 2150MHz
- Input impedance 75 Ohms
- LNB Pass / Fail test function
- LNB short circuit protection
- Satellite cable integrity test
- Upgradeable firmware
- Intelligent internal AC charger 100 to 240 V AC
- Automatic fast and trickle charge modes
- 12 volt in car charger supplied
- USB lead supplied
- CE approved
- Compliant with EN 61326-1 : 2006 (EMC) and EN 61010-1 : 2001 (Electrical safety)
- Registered design
- Free product support via phone and email

HDSM USB PLUS (additional features)

- Easy to use Spectrum Display Mode
- QPSK Constellation Diagram (with zoom function)
- Histogram display with up to 9 simultaneous carrier measurements for single cable installations (SCR)
- Data Logging (upload installation measurement data to your PC)

HORIZON DIGITAL TERRESTRIAL METER (HDTM)



- Displays Signal Strength (RF level) with DVB-T indicator.
- Fast and accurate Pre BER readings in real time for easier antenna pointing using the built in CODFM indicator for quality of service.
- Can store up to 32 transmitter selections (via our web site downloads) a default of UHF 21 – 69 step through is preloaded.
- Built in intelligent universal mains charger 100 – 240V AC (CE approved) with V delta detection for fast and then trickle charging.
- Minimum run time of 5 hours with a full charge on the 2400 mAh NiMH battery.
- Computer interface: Serial Port (Com 1-4) for upgradeable software on transmitters.

FROM TEST TO MEASUREMENT

DEALERS AND DISTRIBUTORS WANTED

Speed up your installations call now on

+44 (0)1279 417005

or visit our website

www.horizonhge.com

email: sales@horizonhge.com



Menu principal – Installation |



Balayage multi-satellite |



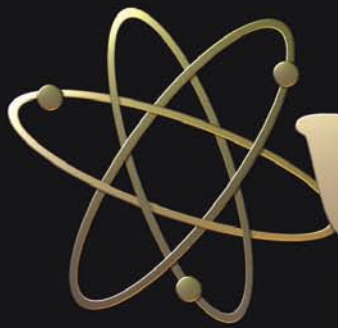
Edition de la liste des stations |



Barre Info |



OPENSAT



VENUS

DIGITAL

Anti Rust Material

Galvalume[®]

by BlueScope Steel



SS **PT. Subur Semesta**
AN ELECTRONIC COMPANY

Jl: Kamal Raya No.8A RT.14/09
Tegal Alur, Jakarta Barat 11820
Tel: (62-21)-5559733 Fax:(62-21)-5559805
email: subursmt@gmail.com
<http://subursmt.com>
INDONESIA



Vue Multi-images sur 9 chaînes

cadeaux du ciel vous pouvez soit exécuter une recherche automatique des stations d'un ou plusieurs satellites ou une recherche manuelle par transpondeur individuel. Pour les deux modes, vous pouvez vous limiter pour seulement les chaînes en clair (FTA), seulement la TV, seulement les stations radio ou les deux. La recherche par bouquets peut être activée s'il le faut.

Le mode de balayage aléatoire intégré est un avantage complémentaire car il permet de balayer et mémo-

riser les transpondeurs qui ne sont pas (encore) sur la liste. Nous avons essayé un balayage standard sur HOT-BIRD par 13° Est et OPENSAT a mis 3,20 minutes et a trouvé 1235 chaînes de télévision et 456 stations de radio. Quand on active le balayage aléatoire sur le même satellite, le récepteur a terminé après à peine plus de cinq minutes et a trouvé 1132 chaînes de télévision et 431 stations de radio. Les deux résultats sont très satisfaisants considérant que nous étions en mode automatique ici.

Dans une recherche manuelle, des transpondeurs peuvent être choisis individuellement, édités, triés, ajoutés ou supprimés à l'aide d'une simple pression de bouton. Ici encore, les boutons à couleurs sur la télécommande rendent le processus entier un jeu d'enfant. La seule chose que nous a manquée était une introduction manuelle des PID, que ce récepteur ne permet pas.

Si nous considérons que la mémoire de canaux est limitée à 4000 positions, il semble raisonnable de penser à ajus-

ter la liste des stations selon les préférences personnelles et - surtout - d'envisager sérieusement de supprimer toutes les chaînes que vous ne regarderez jamais. Tout ceci peut être fait dans la première catégorie du menu qui affiche toute la liste de différentes options d'édition des chaînes. Il va de soi que non seulement la liste TV mais également la liste des radios peut être réarrangée de la même manière.

À tout les radioamateurs qui nous lisent : Vous serez peut être heureux d'apprendre que la liste complète des stations peut être supprimée à la pression d'un bouton sans devoir remettre à zéro aucun autre réglage de ce récepteur. Quand vous êtes en mode édition, on peut soit lister tous les canaux disponibles ou - dans l'intérêt de la lisibilité - seulement les canaux de par satellites individuels.

Ici encore, les boutons à couleurs de la télécommande sont utilisés pour ajouter des canaux à l'une des plusieurs listes de favoris (qui peuvent être modifiées individuellement), pour en supprimer, déplacer ou verrouiller par un code PIN de sorte que les membres mineurs de la famille n'aient pas accès à des émis-



sions peu convenables sur l'écran TV. Les canaux ainsi listés peuvent également être marqués pour être sautés lors du zapping à travers ladite liste. Toutes les fois que vous êtes en mode édition, la vidéo actuelle est insérée dans une petite fenêtre sur le coin droit de l'écran.

Le bouton rouge sur la télécommande ouvre une fenêtre de recherche où vous pouvez simplement introduire au clavier le nom de station désiré tandis que sont affichés à la gauche du clavier inséré tous les noms correspondants. Bien que ce dispositif soit une aubaine en soi, OPENSAT a fait un pas supplémentaire en le mettant en application d'une manière extrêmement facile à utiliser.

L'impression globale très bonne de ce récepteur est encore émaillée par une fonction de zoom, un décodeur intégré de système télétexte et l'affichage multi-image de neuf chaînes au total.

OPENSAT utilise un syntoniseur avec un seuil plutôt bas et peut donc reconnaître et traiter même des signaux faibles tels que ceux de NILESAT par 7° Est ou d'ASTRA2D par 28° Est.

Le test de réception SCPC a été également réussi avec mention et notre transpondeur test sur TURKSAT avec un débit de symboles de seulement 2400 KS/s n'a pas posé de problème pour le 3000CRCI. L'interface CI intégrée a fonctionné sans à-coups durant nos tests et a accepté tous les modules que nous y avons introduits. Le lecteur de cartes Conax embarqué a également fonctionné brillamment avec notre carte test.

L'interface RS-232 peut être employée pour mettre à jour le progiciel ou pour installer une nouvelle liste de stations. À cet effet, OPENSAT fournit un éditeur propriétaire pour PC qui est même compatible SatcoDX et par conséquent peut être utilisé pour télécharger au récepteur des données parfaitement actuelles de stations et de transpondeurs.

PVR

Au cas où vous vous demandiez pourquoi le récepteur OPENSAT 3000CRCI PVR contient « PVR » dans sa désignation de modèle, voici est la réponse : Elle se situe au niveau de l'interface USB 2.0 sur le panneau avant, qui transforme ce récepteur OPENSAT en un véritable PVR.

Tout genre de disque dur, de carte de mémoire ou de clef de mémoire peut être relié à ce port et sera reconnu par le récepteur en quelques secondes. De ce très moment toutes les fonctions d'un enregistreur (PVR) deviennent disponibles, telles que enregistrer l'émission en cours, lecture des fichiers stockés et naturellement la fonction de lecture en différé. Ainsi, la prochaine fois que le téléphone sonne lorsque vous êtes en plein milieu d'un grand film, il vous suffira tout simplement de presser sur « pause », répondre au téléphone et continuez depuis cette très scène quand vous aurez terminé l'appel téléphonique.

Naturellement nous avons testé toutes les fonctions du PVR et n'avons trouvé rien à leur reprocher. On peut créer huit événements de minuterie qui permettent également d'enregistrer des événements quotidiens ou hebdomadaires sans aucune complication. En plus de l'enregistrement et de la lecture d'émissions TV et radio, ce récepteur propose aussi un lecteur MP3 et une visionneuse d'images de sorte que vous puissiez présenter vos précieuses photos de vacances sur l'écran de TV à vos amis. Ou encore, vous

peuvent utiliser le récepteur comme juke-box pour une prochaine fête.

Les actualisations du progiciel sont également possibles à travers l'interface USB - tout ce que vous devez faire est de télécharger le fichier approprié depuis le site Web du fabricant, le copier sur une clef mémoire et puis lancer le processus de mise à jour sur le récepteur.

Le seul vrai inconvénient de l'OPENSAT 3000CRCI PVR est le fait qu'un support de stockage peut seulement être relié au panneau avant du récepteur. Ceci signifie en pratique que le clapet élégant doit rester ouvert tout le temps et dévoile ainsi l'intérieur légèrement moins élégant avec tous ses boutons et autres fentes.

Ce que nous avons aimé beaucoup, cependant, est la facilité avec laquelle des enregistrements peuvent être édités sur le PC ou être gravés sur DVD. Grâce aux supports de stockage externes, il est très facile de les relier au PC et par conséquent on ne doit pas passer par le détour de transférer les énormes fichiers d'un appareil à l'autre.



OPENSAT

Avis de l'expert

+

L'OPENSAT 3000CRCI PVR est un véritable récepteur PVR qui se marie parfaitement approprié avec tous décors d'un salon et à tous les membres de la famille grâce à sa facilité d'utilisation. Le système d'exploitation est d'une conception facile à utiliser et a fonctionné sans faute pendant nos tests. Les composants employés par OPENSAT ne laissent également rien à désirer. Grâce au lecteur PVR, MP3 et à la visionneuse d'images le 3000CRCI est un récepteur extrêmement versatile qui est en plus très beau dans son boîtier de petite taille.



Thomas Haring
TELE-satellite
Test Center
Austria

-

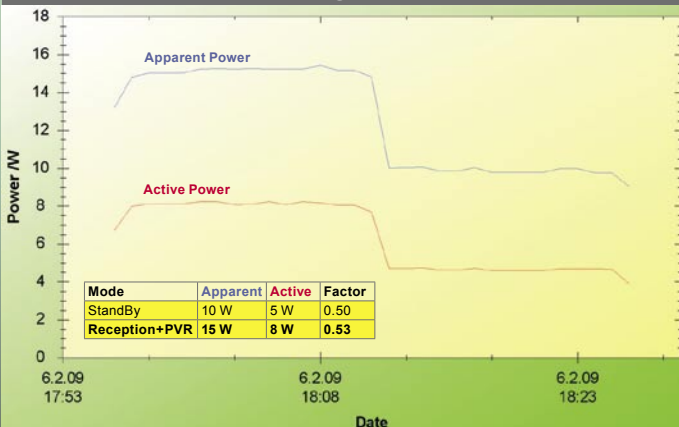
L'interface USB sur le panneau avant dérange quelque peu. La déplacer vers l'arrière ou - encore mieux - ajouter une deuxième interface USB sur le panneau arrière serait une bonne idée.

TECHNIC

DATA

Manufacturer	ABC Biznis, 955 01 Topol'cany, Slovakia
Tel/Fax	+421 38 5313508
E-Mail	info@abcbiznis.sk
Website	www.opensat.sk, www.abcbiznis.sk
Model	OPENSAT 3000CRCI PVR
Function	Digital DVB-S CI-PVR receiver
Channel memory	4000
Symbol rates	2-45 Ms/sec.
SCPC compatible	yes
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
USALS	yes
HDMI connector	no
Scart connector	2
Audio/Video output	3 x RCA
S-Video output	no
UHF modulator	yes
0/12 Volt connector	yes
Digital audio output	yes
EPG	yes
C/Ku-band compatible	yes
PVR-function	yes (via external USB 2.0 storage media)

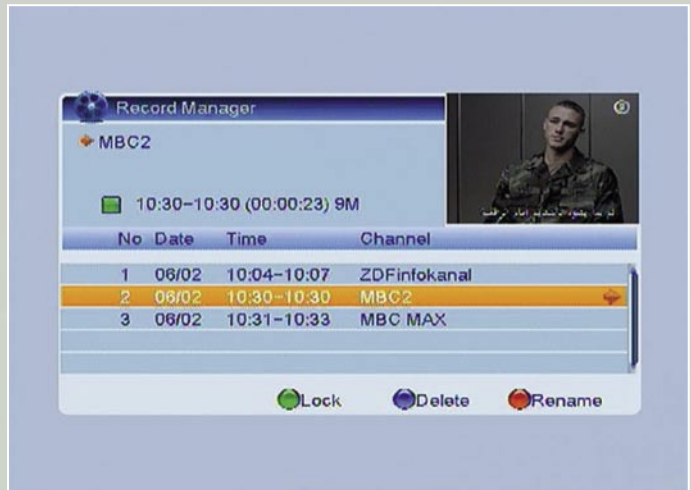
ENERGY DIAGRAM



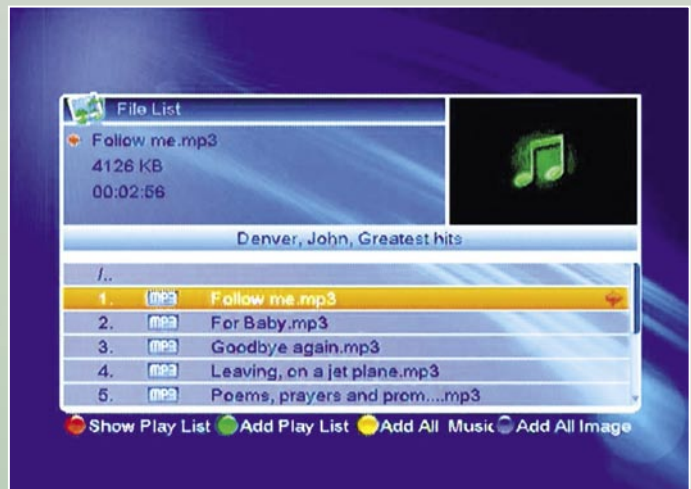
First 15 minutes: reception with channel switching, PVR recording and play. Second 15 minutes: standby



Menu principal – PVR |



Gestionnaire PVR |



MP3 Jukebox |



Réception SCPC via TURKSAT par 42° Est



Helping to build a better industry

DTTV: DISTRIBUTION IN DVB-T

Convert QPSK and AV into COFDM signals for true "Digital To Television"



Advanced technology at affordable prices



TV EXPLORER II+

- High definition satellite (DVB-S2) & Mobile TV (DVB-H)
- Encrypted channels decoding (Patented)
- Automatic signals identifying
- Automatic channel tables
- Fast, automatic reports
- Spectrogram and Merogram (Patent Pend)
- Minimum size & weight



SATHUNTER

- Fast and accurate dish installation
- Light, compact and easy to use
- Displays Power, MER, BER and service list
- Customizable through software and USB port

AWARD WINNING

**SATELLITE
PRODUCTS OF
21ST CENTURY**





Manufacturer	Topfield
Website	www.topfield.co.kr
Function	HDTV PVR Satellite Receiver with Scaler
DVB-S2/LAN	• / •
Channel Memory	5000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	• / •
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
02-03/2009

TOPFIELD TF6000PVR ES
Easy to use family oriented receiver with built-in upscaler – ideal for use on LCD or plasma TVs

TELE-satellite World [www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

- | | | |
|------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Arabic | العربية | www.TELE-satellite.com/TELE-satellite-0903/ara/topfield.pdf |
| Indonesian | Indonesia | www.TELE-satellite.com/TELE-satellite-0903/bid/topfield.pdf |
| Bulgarian | Български | www.TELE-satellite.com/TELE-satellite-0903/hel/topfield.pdf |
| Czech | Česky | www.TELE-satellite.com/TELE-satellite-0903/ces/topfield.pdf |
| German | Deutsch | www.TELE-satellite.com/TELE-satellite-0903/deu/topfield.pdf |
| English | English | www.TELE-satellite.com/TELE-satellite-0903/eng/topfield.pdf |
| Spanish | Español | www.TELE-satellite.com/TELE-satellite-0903/esp/topfield.pdf |
| Farsi | فارسی | www.TELE-satellite.com/TELE-satellite-0903/far/topfield.pdf |
| French | Français | www.TELE-satellite.com/TELE-satellite-0903/fra/topfield.pdf |
| Greek | Ελληνικά | www.TELE-satellite.com/TELE-satellite-0903/hel/topfield.pdf |
| Croatian | Hrvatski | www.TELE-satellite.com/TELE-satellite-0903/hrv/topfield.pdf |
| Italian | Italiano | www.TELE-satellite.com/TELE-satellite-0903/ita/topfield.pdf |
| Hungarian | Magyar | www.TELE-satellite.com/TELE-satellite-0903/mag/topfield.pdf |
| Mandarin | 中文 | www.TELE-satellite.com/TELE-satellite-0903/man/topfield.pdf |
| Dutch | Nederlands | www.TELE-satellite.com/TELE-satellite-0903/ned/topfield.pdf |
| Polish | Polski | www.TELE-satellite.com/TELE-satellite-0903/pol/topfield.pdf |
| Portuguese | Português | www.TELE-satellite.com/TELE-satellite-0903/por/topfield.pdf |
| Russian | Русский | www.TELE-satellite.com/TELE-satellite-0903/rus/topfield.pdf |
| Swedish | Svenska | www.TELE-satellite.com/TELE-satellite-0903/sve/topfield.pdf |
| Turkish | Türkçe | www.TELE-satellite.com/TELE-satellite-0903/tur/topfield.pdf |



TOPFIELD
MADE IN KOREA



Manufacturer	Dizipia
Website	www.dizipia.com
Function	HDTV Satellite Receiver with Scaler
DVB-S2/LAN	• / •
Channel Memory	!
DiSEqC	1.0 / 1.2 / 1.3
S-Video/HDMI	— / •
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
02-03/2009

DIZIPIA DS4H-9160
A competent receiver with lots of connection options and powerful capabilities

TELE-satellite World [www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

- | | | |
|------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Arabic | العربية | www.TELE-satellite.com/TELE-satellite-0903/ara/dizipia.pdf |
| Indonesian | Indonesia | www.TELE-satellite.com/TELE-satellite-0903/bid/dizipia.pdf |
| Bulgarian | Български | www.TELE-satellite.com/TELE-satellite-0903/hel/dizipia.pdf |
| Czech | Česky | www.TELE-satellite.com/TELE-satellite-0903/ces/dizipia.pdf |
| German | Deutsch | www.TELE-satellite.com/TELE-satellite-0903/deu/dizipia.pdf |
| English | English | www.TELE-satellite.com/TELE-satellite-0903/eng/dizipia.pdf |
| Spanish | Español | www.TELE-satellite.com/TELE-satellite-0903/esp/dizipia.pdf |
| Farsi | فارسی | www.TELE-satellite.com/TELE-satellite-0903/far/dizipia.pdf |
| French | Français | www.TELE-satellite.com/TELE-satellite-0903/fra/dizipia.pdf |
| Greek | Ελληνικά | www.TELE-satellite.com/TELE-satellite-0903/hel/dizipia.pdf |
| Croatian | Hrvatski | www.TELE-satellite.com/TELE-satellite-0903/hrv/dizipia.pdf |
| Italian | Italiano | www.TELE-satellite.com/TELE-satellite-0903/ita/dizipia.pdf |
| Hungarian | Magyar | www.TELE-satellite.com/TELE-satellite-0903/mag/dizipia.pdf |
| Mandarin | 中文 | www.TELE-satellite.com/TELE-satellite-0903/man/dizipia.pdf |
| Dutch | Nederlands | www.TELE-satellite.com/TELE-satellite-0903/ned/dizipia.pdf |
| Polish | Polski | www.TELE-satellite.com/TELE-satellite-0903/pol/dizipia.pdf |
| Portuguese | Português | www.TELE-satellite.com/TELE-satellite-0903/por/dizipia.pdf |
| Russian | Русский | www.TELE-satellite.com/TELE-satellite-0903/rus/dizipia.pdf |
| Swedish | Svenska | www.TELE-satellite.com/TELE-satellite-0903/sve/dizipia.pdf |
| Turkish | Türkçe | www.TELE-satellite.com/TELE-satellite-0903/tur/dizipia.pdf |



DIZIPIA
MADE IN KOREA



Manufacturer	Jiuzhou
Website	www.jiuzhou.com.cn
Function	Digital PVR Satellite Receiver for SDTV/HDTV
DVB-S2/LAN	• / —
Channel Memory	5000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	— / •
Scart/Digital Audio	• / •



TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0901/ara/jiuzhou.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0901/bid/jiuzhou.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0901/bul/jiuzhou.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0901/ces/jiuzhou.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0901/deu/jiuzhou.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0901/eng/jiuzhou.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0901/esp/jiuzhou.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0901/far/jiuzhou.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0901/fra/jiuzhou.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0901/hel/jiuzhou.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0901/hrv/jiuzhou.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0901/ita/jiuzhou.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0901/mag/jiuzhou.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0901/man/jiuzhou.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0901/ned/jiuzhou.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0901/pol/jiuzhou.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0901/por/jiuzhou.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0901/rom/jiuzhou.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0901/rus/jiuzhou.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0901/sve/jiuzhou.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0901/tur/jiuzhou.pdf



Manufacturer	ABC BIZNIS
Website	www.opensat.info
Function	HDTV Satellite Receiver with Two CI Slots
DVB-S2/LAN	• / —
Channel Memory	!
DiSEqC	1.2
S-Video/HDMI	— / •
Scart/Digital Audio	• / •



TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

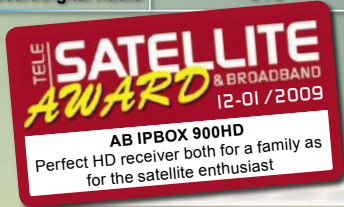
Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0901/ara/opensat.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0901/bid/opensat.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0901/bul/opensat.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0901/ces/opensat.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0901/deu/opensat.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0901/eng/opensat.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0901/esp/opensat.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0901/far/opensat.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0901/fra/opensat.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0901/hel/opensat.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0901/hrv/opensat.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0901/ita/opensat.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0901/mag/opensat.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0901/man/opensat.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0901/ned/opensat.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0901/pol/opensat.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0901/por/opensat.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0901/rom/opensat.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0901/rus/opensat.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0901/sve/opensat.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0901/tur/opensat.pdf





Manufacturer	AB-COM
Website	www.abipbox.com
Function	Digital Linux-based HDTV PVR Receiver for DVB-S, DVB-S2, DVB-C and DVB-T
DVB-S2/LAN	• / •
Channel Memory	10000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	— / •
Scart/Digital Audio	• / •



TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

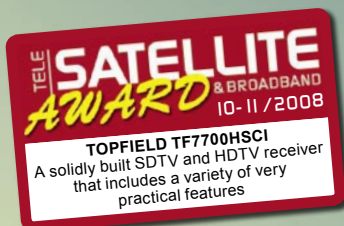
Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0901/ara/abcom.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0901/bid/abcom.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0901/bul/abcom.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0901/ces/abcom.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0901/deu/abcom.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0901/eng/abcom.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0901/esp/abcom.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0901/far/abcom.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0901/fra/abcom.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0901/hel/abcom.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0901/hrv/abcom.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0901/ita/abcom.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0901/mag/abcom.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0901/man/abcom.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0901/ned/abcom.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0901/pol/abcom.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0901/por/abcom.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0901/rom/abcom.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0901/rus/abcom.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0901/sve/abcom.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0901/tur/abcom.pdf



AB-COM



Manufacturer	Topfield
Website	www.topfield.co.kr
Function	HDTV PVR Satellite Receiver
DVB-S2/LAN	• / —
Channel Memory	5000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	— / •
Scart/Digital Audio	• / •



TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0811/ara/topfield.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0811/bid/topfield.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0811/bul/topfield.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0811/ces/topfield.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0811/deu/topfield.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0811/eng/topfield.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0811/esp/topfield.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0811/far/topfield.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0811/fra/topfield.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0811/hel/topfield.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0811/hrv/topfield.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0811/ita/topfield.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0811/mag/topfield.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0811/man/topfield.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0811/ned/topfield.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0811/pol/topfield.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0811/por/topfield.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0811/rom/topfield.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0811/rus/topfield.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0811/sve/topfield.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0811/tur/topfield.pdf



TOPFIELD



Manufacturer	Sonicview
Website	www.sonicviewusa.com
Function	Digital Satellite PVR Receiver With Two Tuners
DVB-S2/LAN	— / —
Channel Memory	6000
DiSEqC	1.0 / 1.1 / 1.2
S-Video/HDMI	● / —
Scart/Digital Audio	— / ●



TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0811/ara/sonicview.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0811/bid/sonicview.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0811/bul/sonicview.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0811/ces/sonicview.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0811/deu/sonicview.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0811/eng/sonicview.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0811/esp/sonicview.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0811/far/sonicview.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0811/fra/sonicview.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0811/hel/sonicview.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0811/hrv/sonicview.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0811/ita/sonicview.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0811/mag/sonicview.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0811/man/sonicview.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0811/ned/sonicview.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0811/pol/sonicview.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0811/por/sonicview.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0811/rom/sonicview.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0811/rus/sonicview.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0811/sve/sonicview.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0811/tur/sonicview.pdf



Manufacturer	PT. Subur Semesta
Website	www.subursmt.com
Function	Digital Satellite Receiver for Motorized Dishes
DVB-S2/LAN	— / —
Channel Memory	4000
DiSEqC	1.2
S-Video/HDMI	— / —
Scart/Digital Audio	— / —



TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0811/ara/venus.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0811/bid/venus.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0811/bul/venus.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0811/ces/venus.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0811/deu/venus.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0811/eng/venus.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0811/esp/venus.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0811/far/venus.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0811/fra/venus.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0811/hel/venus.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0811/hrv/venus.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0811/ita/venus.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0811/mag/venus.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0811/man/venus.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0811/ned/venus.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0811/pol/venus.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0811/por/venus.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0811/rom/venus.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0811/rus/venus.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0811/sve/venus.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0811/tur/venus.pdf





Manufacturer	AB-COM
Website	www.abipbox.com
Function	HDTV PVR for DVB-S, DVB-S2, DVB-C and DVB-T
DVB-S2/LAN	• / •
Channel Memory	10000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	• / •
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
08-09/2008

ABCOM IPBOX 9000 HD PLUS
A huge range of connection options make this box a true all-rounder – yet it remains easy to use as a family receiver.

TELE-satellite World [www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0809/ara/abcom.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0809/bid/abcom.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0809/bul/abcom.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0809/ces/abcom.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0809/deu/abcom.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0809/eng/abcom.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0809/esp/abcom.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0809/far/abcom.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0809/fra/abcom.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0809/hel/abcom.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0809/hrv/abcom.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0809/ita/abcom.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0809/mag/abcom.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0809/man/abcom.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0809/ned/abcom.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0809/pol/abcom.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0809/por/abcom.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0809/rom/abcom.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0809/rus/abcom.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0809/sve/abcom.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0809/tur/abcom.pdf



Manufacturer	Arion
Website	www.arion.co.kr
Function	Digital Satellite PVR Receiver with Built-in Scaler
DVB-S2/LAN	• / —
Channel Memory	8000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	• / •
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
06-07/2008

ARION AF9400PVR HDMI
A solid and easy to use receiver that with its Scaler can present satellite channels in excellent quality.

TELE-satellite World [www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0807/ara/arion.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0807/bid/arion.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0807/bul/arion.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0807/ces/arion.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0807/deu/arion.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0807/eng/arion.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0807/esp/arion.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0807/far/arion.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0807/fra/arion.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0807/hel/arion.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0807/hrv/arion.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0807/ita/arion.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0807/mag/arion.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0807/man/arion.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0807/med/arion.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0807/pol/arion.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0807/por/arion.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0807/rom/arion.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0807/rus/arion.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0807/sve/arion.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0807/tur/arion.pdf





Manufacturer	NanoXX
Website	www.nanoxx.info
Function	Digital HDTV PVR Receiver
DVB-S2/LAN	• / •
Channel Memory	10000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	• / •
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
04-05/2008

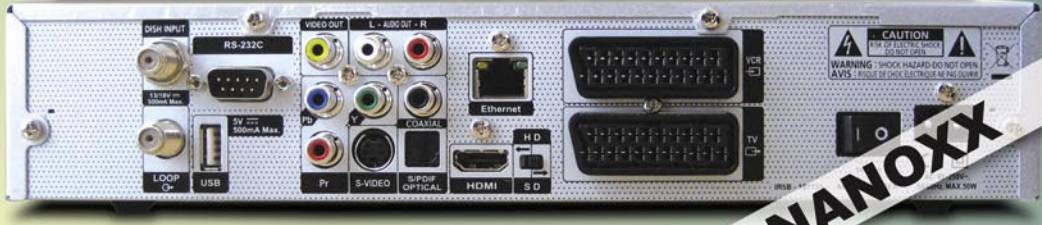
NANOXX 9500HD
Small enclosure, superbly crisp picture, extremely fast channel search, and connection for HDD

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

- Arabic العربية
- Indonesian Indonesia
- Bulgarian Български
- Czech Český
- German Deutsch
- English English
- Spanish Español
- Farsi فارسي
- French Français
- Greek Ελληνικά
- Croatian Hrvatski
- Italiano Italiano
- Hungarian Magyar
- Mandarin 中文
- Dutch Nederlands
- Polish Polski
- Portuguese Português
- Romanian Românesc
- Russian Русский
- Swedish Svenska
- Turkish Türkçe



NANOXX



Manufacturer	ABC Biznis
Website	www.opensat.info
Function	DVB-S/S2 MPEG2/4 HD Receiver with Single Tuner
DVB-S2/LAN	• / —
Channel Memory	4000
DiSEqC	1.0 / 1.2
S-Video/HDMI	— / •
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
04-05/2008

OPENSAT X9000HDCI
Fasten your seatbelt: super fast channel zapping combined with superb audio and video quality in SD and HD

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

- Arabic العربية
- Indonesian Indonesia
- Bulgarian Български
- Czech Český
- German Deutsch
- English English
- Spanish Español
- Farsi فارسي
- French Français
- Greek Ελληνικά
- Croatian Hrvatski
- Italiano Italiano
- Hungarian Magyar
- Mandarin 中文
- Dutch Nederlands
- Polish Polski
- Portuguese Português
- Romanian Românesc
- Russian Русский
- Swedish Svenska
- Turkish Türkçe



OPENSAT



Manufacturer	Topfield
Website	www.topfield.co.kr
Function	Digital DVB-S, DVB-S2 HD-PVR Receiver with Ethernet Connection
DVB-S2/LAN	• / •
Channel Memory	5000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	• / •
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
02-03/2008

TOPFIELD TF7700 HDPVR
Fully capable twin receiver with proven HDTV technology and outstanding picture quality.

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0803/ara/topfield.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0803/bid/topfield.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0803/bul/topfield.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0803/deu/topfield.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0803/eng/topfield.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0803/esp/topfield.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0803/far/topfield.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0803/fra/topfield.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0803/hel/topfield.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0803/hrv/topfield.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0803/ita/topfield.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0803/mag/topfield.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0803/man/topfield.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0803/ned/topfield.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0803/pol/topfield.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0803/por/topfield.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0803/rus/topfield.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0803/sve/topfield.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0803/tur/topfield.pdf



TOPFIELD



Manufacturer	AB-COM
Website	www.abcom.sk
Function	Linux-based Receiver for Terrestrial, Cable and Satellite DVB Reception
DVB-S2/LAN	— / •
Channel Memory	4000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	— / —
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
02-03/2008

AB IPBOX 350PRIME PVR
A Linux-based Receiver as Powerful as Never Before

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0803/ara/abcom.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0803/bid/abcom.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0803/bul/abcom.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0803/deu/abcom.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0803/eng/abcom.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0803/esp/abcom.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0803/far/abcom.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0803/fra/abcom.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0803/hel/abcom.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0803/hrv/abcom.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0803/ita/abcom.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0803/mag/abcom.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0803/man/abcom.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0803/ned/abcom.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0803/pol/abcom.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0803/por/abcom.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0803/rus/abcom.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0803/sve/abcom.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0803/tur/abcom.pdf



AB-COM



Manufacturer	Arion
Website	www.arion.co.kr
Function	HDTV Satellite Receiver with CI Slot
DVB-S2/LAN	• / —
Channel Memory	4000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	— / •
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
12-01 / 2008

ARION AF-4000HDCI
A receiver that will make any newbie happy as well as please any pro with its endless possibilities

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0801/ara/arionHDCI.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0801/bid/arionHDCI.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0801/bul/arionHDCI.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0801/deu/arionHDCI.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0801/eng/arionHDCI.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0801/esp/arionHDCI.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0801/fra/arionHDCI.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0801/hel/arionHDCI.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0801/hrv/arionHDCI.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0801/ita/arionHDCI.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0801/mag/arionHDCI.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0801/man/arionHDCI.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0801/ned/arionHDCI.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0801/pol/arionHDCI.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0801/rus/arionHDCI.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0801/tur/arionHDCI.pdf



ARION

Manufacturer	Infosat
Website	www.infosats.com
Function	MPEG2 FTA receiver with Blind Scan
DVB-S2/LAN	— / —
Channel Memory	1000
DiSEqC	1.0 / 1.2
S-Video/HDMI	— / —
Scart/Digital Audio	— / —

TELE SATELLITE AWARD & BROADBAND
12-01 / 2008

INFOSAT ZIMPLE BOX 3
Fast and easy to use receiver for FTA reception with a very sensitive tuner

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0801/ara/zimple.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0801/bid/zimple.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0801/bul/zimple.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0801/deu/zimple.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0801/eng/zimple.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0801/esp/zimple.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0801/fra/zimple.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0801/hel/zimple.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0801/hrv/zimple.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0801/ita/zimple.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0801/mag/zimple.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0801/man/zimple.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0801/ned/zimple.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0801/pol/zimple.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0801/rus/zimple.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0801/tur/zimple.pdf



INFOSAT

Manufacturer	Jiuzhou
Website	www.jiuzhou.com.cn
Function	Professional Digital Satellite Receiver with 2 CI Slots
DVB-S2/LAN	- / -
Channel Memory	!
DiSEqC	-
S-Video/HDMI	- / -
Scart/Digital Audio	- / -

Main Menu
 >>Channel Search
Digital Video Broadcasting

P:84% Q:58% playing
 >>1.Pgm1
Digital Video Broadcasting

P:93% Q:25% playing
 >>12.The Voice
Digital Video Broadcasting

TELE SATELLITE AWARD & BROADBAND
 10-11/2007
JIUZHOU DVS-2018BS
 Very Stable, Solid Receiver for Professional Use

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0711/ara/jiuzhou.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0711/bid/jiuzhou.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0711/bul/jiuzhou.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0711/deu/jiuzhou.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0711/eng/jiuzhou.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0711/esp/jiuzhou.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0711/fra/jiuzhou.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0711/hel/jiuzhou.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0711/hrv/jiuzhou.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0711/ita/jiuzhou.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0711/mag/jiuzhou.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0711/man/jiuzhou.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0711/ned/jiuzhou.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0711/pol/jiuzhou.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0711/rus/jiuzhou.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0711/tur/jiuzhou.pdf



JIUZHOU

Manufacturer	Jiuzhou
Website	www.jiuzhou.com.cn
Function	Digital Satellite Receiver FTA
DVB-S2/LAN	- / -
Channel Memory	4800
DiSEqC	1.0 / 1.2
S-Video/HDMI	• / -
Scart/Digital Audio	• / •



TELE SATELLITE AWARD & BROADBAND
 08-09/2007
JIUZHOU DTS1601
 Well designed, solid receiver with a mature firmware and blindscan

TELE-satellite World

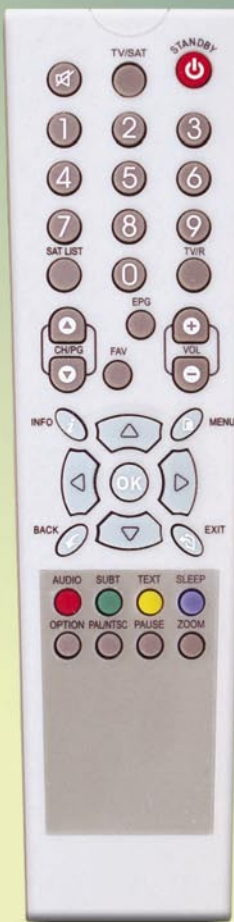
[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0709/ara/jiuzhou.pdf
Indonesia	Indonesia	www.TELE-satellite.com/TELE-satellite-0709/bid/jiuzhou.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0709/bul/jiuzhou.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0709/deu/jiuzhou.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0709/eng/jiuzhou.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0709/esp/jiuzhou.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0709/far/jiuzhou.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0709/fra/jiuzhou.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0709/hel/jiuzhou.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0709/hrv/jiuzhou.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0709/ita/jiuzhou.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0709/mag/jiuzhou.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0709/man/jiuzhou.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0709/ned/jiuzhou.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0709/pol/jiuzhou.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0709/rus/jiuzhou.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0709/tur/jiuzhou.pdf



JIUZHOU



Manufacturer	ABC Biznis
Website	www.opensat.info
Function	Fast satellite receiver with two CI slots
DVB-S2/LAN	- / -
Channel Memory	6000
DiSEqC	1.0 / 1.2
S-Video/HDMI	- / -
Scart/Digital Audio	• / -

TELE SATELLITE AWARD & BROADBAND
 08-09/2007
OPENSAT X7000CI
 A very fast receiver simple to use

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

- | | | |
|------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Arabic | العربية | www.TELE-satellite.com/TELE-satellite-0709/ara/opensat.pdf |
| Indonesian | Indonesia | www.TELE-satellite.com/TELE-satellite-0709/bid/opensat.pdf |
| Bulgarian | Български | www.TELE-satellite.com/TELE-satellite-0709/bul/opensat.pdf |
| German | Deutsch | www.TELE-satellite.com/TELE-satellite-0709/deu/opensat.pdf |
| English | English | www.TELE-satellite.com/TELE-satellite-0709/eng/opensat.pdf |
| Spanish | Español | www.TELE-satellite.com/TELE-satellite-0709/esp/opensat.pdf |
| Farsi | فارسی | www.TELE-satellite.com/TELE-satellite-0709/far/opensat.pdf |
| French | Français | www.TELE-satellite.com/TELE-satellite-0709/fra/opensat.pdf |
| Greek | Ελληνικά | www.TELE-satellite.com/TELE-satellite-0709/hel/opensat.pdf |
| Croatian | Hrvatski | www.TELE-satellite.com/TELE-satellite-0709/hrv/opensat.pdf |
| Italian | Italiano | www.TELE-satellite.com/TELE-satellite-0709/ita/opensat.pdf |
| Hungarian | Magyar | www.TELE-satellite.com/TELE-satellite-0709/mag/opensat.pdf |
| Mandarin | 中文 | www.TELE-satellite.com/TELE-satellite-0709/man/opensat.pdf |
| Dutch | Nederlands | www.TELE-satellite.com/TELE-satellite-0709/ned/opensat.pdf |
| Polish | Polski | www.TELE-satellite.com/TELE-satellite-0709/pol/opensat.pdf |
| Russian | Русский | www.TELE-satellite.com/TELE-satellite-0709/rus/opensat.pdf |
| Turkish | Türkçe | www.TELE-satellite.com/TELE-satellite-0709/tur/opensat.pdf |



OPENSAT



Manufacturer	AB-COM
Website	www.abcom.sk
Function	Digital Linux-based PVR satellite receiver
DVB-S2/LAN	- / •
Channel Memory	10000
DiSEqC	1.0 / 1.1 / 1.2 / 1.3
S-Video/HDMI	- / -
Scart/Digital Audio	• / •

TELE SATELLITE AWARD & BROADBAND
 06-07/2007
AB IP BOX 250S PVR
 Best Linux-based Satellite Receiver, ensuring the rich variety of available firmware, plugins and service software

TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Read Indepth Review of This Product Directly on the Internet:

- | | | |
|------------|------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Arabic | العربية | www.TELE-satellite.com/TELE-satellite-0707/ara/abcom.pdf |
| Indonesian | Indonesia | www.TELE-satellite.com/TELE-satellite-0707/bid/abcom.pdf |
| Bulgarian | Български | www.TELE-satellite.com/TELE-satellite-0707/bul/abcom.pdf |
| German | Deutsch | www.TELE-satellite.com/TELE-satellite-0707/deu/abcom.pdf |
| English | English | www.TELE-satellite.com/TELE-satellite-0707/eng/abcom.pdf |
| Spanish | Español | www.TELE-satellite.com/TELE-satellite-0707/esp/abcom.pdf |
| Farsi | فارسی | www.TELE-satellite.com/TELE-satellite-0707/far/abcom.pdf |
| French | Français | www.TELE-satellite.com/TELE-satellite-0707/fra/abcom.pdf |
| Greek | Ελληνικά | www.TELE-satellite.com/TELE-satellite-0707/hel/abcom.pdf |
| Croatian | Hrvatski | www.TELE-satellite.com/TELE-satellite-0707/hrv/abcom.pdf |
| Italian | Italiano | www.TELE-satellite.com/TELE-satellite-0707/ita/abcom.pdf |
| Hungarian | Magyar | www.TELE-satellite.com/TELE-satellite-0707/mag/abcom.pdf |
| Mandarin | 中文 | www.TELE-satellite.com/TELE-satellite-0707/man/abcom.pdf |
| Dutch | Nederlands | www.TELE-satellite.com/TELE-satellite-0707/ned/abcom.pdf |
| Polish | Polski | www.TELE-satellite.com/TELE-satellite-0707/pol/abcom.pdf |
| Russian | Русский | www.TELE-satellite.com/TELE-satellite-0707/rus/abcom.pdf |
| Turkish | Türkçe | www.TELE-satellite.com/TELE-satellite-0707/tur/abcom.pdf |



AB-COM

011101011001101000

01010010101010101



CommunicAsia2009

The 20th International Communications and Information Technology Exhibition & Conference

Where the Business of Technology Comes to LIFE

- ▶ More than 1,300 C-level attendees
- ▶ Over 46,000 trade attendees, with 52% from overseas
- ▶ Meet Government Officials and Regulators from the region
- ▶ Attended by more than 500 representatives from the media worldwide

16 – 19 June 2009

Singapore Expo

www.CommunicAsia.com

Organised by:
 **Singapore Exhibition Services Pte Ltd**
 Tel: +65 6233 6638
 Fax: +65 6233 6633
 Email: events@sesallworld.com
www.sesallworld.com

Worldwide Associate:
 **oes Overseas Exhibition Services Ltd**
 Tel: +44 20 7840 2130
 Fax: +44 20 7840 2119
 Email: communicasia@oesallworld.com
www.allworldexhibitions.com

A Part of:


Hosted by:
 

OFFICIAL PUBLISHER


Endorsed by:
  

Held in:

www.visitsingapore.com

Official Airline:


AN ALLWORLD EXHIBITIONS EVENT

Produits de Qualité par AB-COM

ab-com

La qualité à un prix raisonnable – Voici la mission du fabricant de récepteurs slovaque AB-COM qui est entré au marché en 2005 avec ses récepteurs tournant sous Linux. Le récepteur 200S de type SD fut un succès immédiat et il est toujours vendu en grands nombres aujourd’hui, puisqu’il est qualifié comme un des meilleurs récepteurs Linux et en même temps de meilleur rapport qualité prix sur le marché actuel. Le directeur général de la compagnie Juraj Masaryk nous a donné un bref aperçu du passé d’AB-COM et des perspectives de ce que le futur peut promettre pour la compagnie.



TELE-satellite World www.TELE-satellite.com/...
Download this report in other languages from the Internet:

- | | | |
|------------|------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Arabic | العربية | www.TELE-satellite.com/TELE-satellite-0905/ara/abcom.pdf |
| Indonesian | Indonesia | www.TELE-satellite.com/TELE-satellite-0905/bid/abcom.pdf |
| Bulgarian | Български | www.TELE-satellite.com/TELE-satellite-0905/bul/abcom.pdf |
| Czech | Česky | www.TELE-satellite.com/TELE-satellite-0905/ces/abcom.pdf |
| German | Deutsch | www.TELE-satellite.com/TELE-satellite-0905/deu/abcom.pdf |
| English | English | www.TELE-satellite.com/TELE-satellite-0905/eng/abcom.pdf |
| Spanish | Español | www.TELE-satellite.com/TELE-satellite-0905/esp/abcom.pdf |
| Farsi | فارسی | www.TELE-satellite.com/TELE-satellite-0905/far/abcom.pdf |
| French | Français | www.TELE-satellite.com/TELE-satellite-0905/fra/abcom.pdf |
| Greek | Ελληνικά | www.TELE-satellite.com/TELE-satellite-0905/hel/abcom.pdf |
| Croatian | Hrvatski | www.TELE-satellite.com/TELE-satellite-0905/hrv/abcom.pdf |
| Italian | Italiano | www.TELE-satellite.com/TELE-satellite-0905/ita/abcom.pdf |
| Hungarian | Magyar | www.TELE-satellite.com/TELE-satellite-0905/mag/abcom.pdf |
| Mandarin | 中文 | www.TELE-satellite.com/TELE-satellite-0905/man/abcom.pdf |
| Dutch | Nederlands | www.TELE-satellite.com/TELE-satellite-0905/ned/abcom.pdf |
| Polish | Polski | www.TELE-satellite.com/TELE-satellite-0905/pol/abcom.pdf |
| Portuguese | Português | www.TELE-satellite.com/TELE-satellite-0905/pol/abcom.pdf |
| Romanian | Românesc | www.TELE-satellite.com/TELE-satellite-0905/rom/abcom.pdf |
| Russian | Русский | www.TELE-satellite.com/TELE-satellite-0905/rus/abcom.pdf |
| Swedish | Svenska | www.TELE-satellite.com/TELE-satellite-0905/sve/abcom.pdf |
| Turkish | Türkçe | www.TELE-satellite.com/TELE-satellite-0905/tur/abcom.pdf |

Available online starting from 27 March 2009

■ Les bâtiments d’AB-COM en Slovaquie. On voit en premier plan un des camions de livraison.

À proprement parler, AB-COM célèbre déjà son 20ème anniversaire cette année, mais la compagnie est passée par des changements tout à fait substantiels dans le passé et en effet l'année 1992 est considérée comme point de départ pour AB-COM en tant que compagnie satellite.

Jusqu'alors AB-COM avait été un distributeur de PC qui avait été fondé par deux associés. En 1992 Juraj Masaryk a rejoint l'équipe. Il avait été employé en tant que directeur des ventes et des achats par une agence satellite avant qu'il décide de mettre en application ses propres idées.

Juraj Masaryk a au commencement reçu un actionnariat de 25 pour cent de la part des associés existants d'AB-COM et a commencé sa carrière dans la compagnie par étendre les activités de la compagnie



■ Juraj Masaryk est un ingénieur qualifié et dirige AB-COM en tant que directeur général. En toute modestie il se donne le titre directeur des ventes et des achats et il recherche constamment des manières d'optimiser les processus des affaires. Le voici en train de montrer l'organigramme des 29 membres de personnel chez AB-COM. « Certains employés couvrent plusieurs domaines de responsabilité et l'organigramme détaille combien d'heures ils investissent dans les diverses tâches, » nous explique Juraj. « Chaque semaine tous les rapports d'activité sont rassemblés et évalués. » Grâce à cette structure d'organisation maline, AB-COM est bien placé de pour une croissance future.





■ Vue du magasin d'AB-COM. Le client peut acheter au détail les composants satellites directement chez AB-COM. Le directeur commercial Peter Hrnko est l'un des cinq membres du personnel du magasin et on le voit ici présenter un récepteur AB-COM. Tandis que la production de récepteurs satellite génère 70 pour cent du chiffre d'affaires total, AB-COM fournit également 3000 agences en Slovaquie et en République Tchèque avec toute sorte de composants satellite additionnels.

pour inclure également les composants satellite. Pour commencer, AB-COM a proposé des composants MMDS pour la télévision terrestre, qui est un segment qui existe toujours aujourd'hui, mais avec peu ou pas de importance pour le marché global.

Aujourd'hui Juraj Masaryk possède 60 pour cent d'AB-COM, les deux associés des débuts étant devenus des bailleurs de fonds qui laissent les affaires courantes à Juraj. « AB-COM se concentre maintenant sur les récepteurs satellite seulement, » nous précise Juraj Masaryk. C'est là où il voit un futur potentiel et c'est là aussi où il peut mettre en application toutes ses idées. Au début AB-COM importait des récepteurs de divers autres fabricants, « mais les performances n'étaient pas conformes à mes exigences », se rappelle Juraj Masaryk. « J'ai voulu voir mes propres visions devenir réalité. »

Cependant, c'était seulement une des plusieurs motivations pour devenir un fabricant de récepteurs. « J'ai toujours cru que Linux serait une grande oppor-



■ Même avec les contrôles de qualité les plus rigoureux en place on ne peut jamais complètement éliminer le besoin de réparations. René Hubinský est l'un des quatre informaticiens du support logiciels.

SPAROS 609

Professional SAT-/TV-signal analyzer.

NEW

DVB-T, DVB-C, DVB-S and DVB-S2 and analogue R/TV-signals compatible.

- Signal level C/N, BER, MER, UNC
- 16:9 Widescreen LCD color display
- Monitoring of all MPEG 2 FTA and analogue terrestrial programs
- very fast and accurate spectrum analysis
- CheckSAT function for an easy and quick SAT-antenna mounting



Byk-Gulden-Str. 22 · 78224 Singen

Phone: +49 (0)7731 - 8673-0 · Fax: +49 (0)7731 - 8673-17

Email: contact@spaun.com · www.spaun.com

tunité pour les récepteurs satellite, » dit Juraj Masaryk et ainsi il s'est consacré à employer les avantages offerts par Linux pour mettre ses idées en pratique. Un des outils à cet effet est le progiciel de récepteurs qui est développé dans la maison par des informaticiens d'AB-COM. Le « progiciel pour des récepteurs SD est déjà en pleine maturité, et celui pour les modèles HD reçoit actuellement son polissage final. » À l'avenir, les récepteurs HD d'AB-COM comporteront une version Enigma HD AB spécifique.

Le troisième et - à enfin - l'argument décisif pour la fabrication de récepteurs chez AB-COM est le célèbre mot qui commence par Q. « la qualité est au centre de notre attention, » déclare Juraj, mais comment peut-on garantir qu'elle demeure à la hauteur ? Naturellement, Juraj a trouvé une solution pour cela aussi : Les composants sont originaires d'un fabricant coréen en tant que ce qui est qualifié de SKD (monteur de parties semi assemblées), le produit fini par AB-COM et individuellement vérifié. Juraj nous montre l'étiquette sur le dos d'un récepteur AB-COM : « Vous pouvez le lire ici-même : Testé dans l'UE. » C'est la manière d'AB-COM de garantir que chacun de ses produits correspond bien aux normes exigeantes de la compagnie.

Mais cela ne s'arrête pas avec la production. Où ces récepteurs d'AB-COM sont-ils vendus réellement ? Tomáš Kopecký est le directeur commercial pour l'Europe et nous indique que « dans presque tous les pays européens nous coopérons avec les distributeurs nationaux. » En pointant sur une carte du monde, Tomáš ajoute fièrement « nous sommes représentés même en Amérique du Nord. » Naturellement il y a toujours quelques taches blanches sur la carte, telle que la France, le Portugal, la Turquie, la Grande-Bretagne et l'Afrique du Nord. « Nous recherchons toujours des distributeurs sur ces marchés, » ajoute Tomáš dans un anglais impeccable et indique que « je me réjouis de contacter des distributeurs dans ces pays. » Juraj explique aussi que « naturellement nous pouvons également adapter nos récepteurs aux conditions des différents marchés. En ce moment nous travaillons sur un tel projet pour le marché ukrainien. »

« Actuellement environ 30 pour cent des ventes sont réalisées avec des récepteurs SD, et la majorité des 70 pour cent étant des appareils TVHD. » Tomáš montre le modèle à succès AB-COM 200S et explique que « d'un point de vue strictement économique c'est notre meilleur produit : Il offre une bonne qualité avec toutes les configurations nécessaires à un prix raisonnable. » Juraj ajoute en outre que « c'est exactement pourquoi nous

■ Vue d'un secteur dans l'atelier d'assemblage : C'est ici où des composants arrivant de l'extérieur sont assemblés par 16 employés jusqu'à ce qu'un récepteur AB-COM fini puisse être individuellement testé pour ses performances.



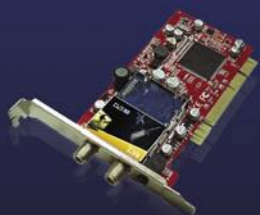
■ Le magasinier en chef Michal Valent est occupé à stocker les récepteurs récemment AB-COM récemment terminés dans l'entrepôt et les préparer pour l'expédition car les commandes arrivent sans arrêt.



DVB-S2 Family for HD



**R500 USB
Card Reader**



**S460
S2 PCI**



**S650
S2 USB**



**S660
S2 USB**



**S470
S2 PCIe**

● Now Available on DVBSHOP
www.dvbshop.net

● **Distributors Wanted**

● Please contact matthias@tevii.com
www.tevii.com

- DVB-S2 (AVC/H.264) HDTV Ready
- Plug-in Support for Card Reader
- Vista 32/64 bit & Linux driver Support
- Satellite Internet Ready
- 3rd Party Software (ProgDVB / MyTheatre / DVBViewer ..) Ready



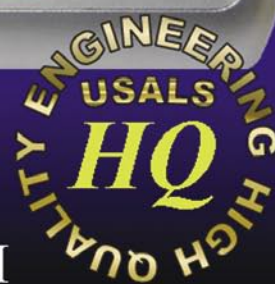
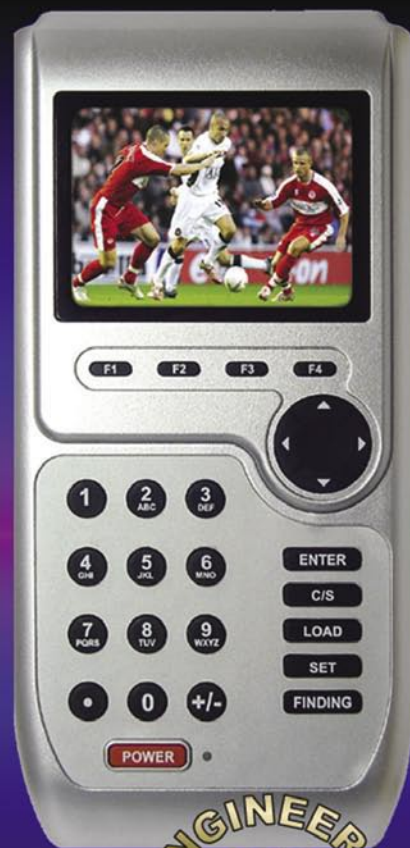
SATCATCHER

DIGITAL SATELLITE METERS

THE FUTURE.... TODAY!

UNIQUE SATELLITE LISTING.
 VERY HIGH BUILD QUALITY.
 HIGH POWER BATTERY.
 VERY LIGHT AND PORTABLE.
 LCD TV FUNCTION.
 WATCH THE CHANNELS.
 SPECTRUM ANALYZER.
 FULL KIT INCLUDED.
 SATELLITE MOTOR CONTROL.
 DISEQC SWITCHING.
 EASY TO EDIT BY HAND.
 2 YEAR WARRANTEE.(1 yr Battery)
 VERY EASY TO USE.

DIGIPRO II
 DIGIPRO III
 DIGIPRO IIIs
 DIGIPRO EXCEL-TV
 DIGIPRO T MAX
 DIGIPRO Q MAX
 DIGIPRO ST COMBO



SatCatcher Ltd. Unit 7 Salvesen Way
 Freightliner Road, Hull, East Yorkshire
 United Kingdom. HU3 4UQ
 0044(0)1482 221577

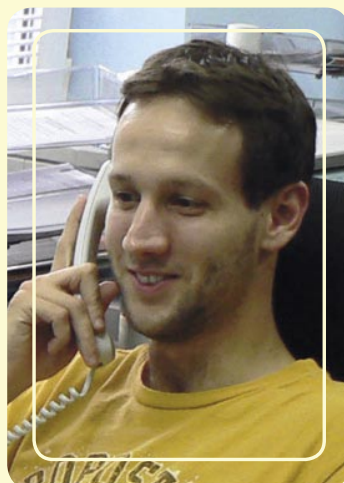
WWW.SATCATCHER.COM



■ Le directeur commercial Radovan Cifra s'occupe des clients grossistes en Slovaquie



■ Halo Juraj est le directeur commercial pour les clients grossistes en République Tchèque.



■ Le directeur commercial pour l'Europe Tomáš Kopecký est la personne de contact de la compagnie pour des distributeurs en dehors de la Slovaquie et de la République Tchèque. « Nous serions plus qu'heureux d'accueillir de nouveaux distributeurs nationaux à notre réseau ! »



■ Juraj Bobula prend soin des clients grossistes en Slovaquie.

travaillons au lancement d'un modèle HD suivant le même concept. »

Lorsque vous tiendrez cette édition dans des vos mains le lancement sur le marché devrait juste avoir eu lieu et on prévoit que les produits finis seront de très petite taille, disposer d'un lecteur de cartes à puce ainsi que le système d'exploitation propriétaire Enigma HD AB. « Pour l'exercice budgétaire 2009 nous envisageons des ventes en hausse pour nos récepteurs HD qui pourraient atteindre une part de 80 pour cent, et pour l'année 2010 nous espérons une part de 90 pour cent, » Tomáš interprète les projections de ventes pour les années à venir. « Le récepteur AB-COM 350 Prime, par exemple, vient avec un tuner interchangeable et est un favori des fournisseurs de TV par le câble, » Juraj met ainsi l'accent sur un autre développement.

Cependant, le DVB-C est seulement un de plusieurs centres d'intérêt chez AB-COM. Juraj regarde encore plus loin dans le futur et prédit ceci : « dès que le projet de l'Enigma HD AB sera complété nos informaticiens se mettront au développement de l'Enigma IPTV AB. » Juraj Masaryk peut être plus qu'heureux de la façon à laquelle les affaires se sont développées. « De 2007 à 2008 nous avons pu être témoin d'une augmentation de presque 30 pour cent du chiffre d'affaires, et on s'attend à ce que celle-ci atteindra encore 20 pour cent en 2009 », déclare Juraj fièrement après quelques clics dans l'application de gestion d'entreprise de la compagnie.

« Le chiffre d'affaires total a presque atteint les dix millions d'euros en 2008, et naturellement ce niveau sera surpassé en 2009, » Juraj continue avec optimisme et nous informe également que de nouveaux



■ Juraj Masaryk est un fervent adepte du satellite - même lorsqu'il n'est pas au travail. Le voici vu sur le balcon de sa maison à côté d'une parabole multi-LNB.

bâtiments de l'entreprise sont en construction pendant même que nous parlons. « De cette manière-là il y aura assez de place pour une future expansion ! »

Une chose est sûre : AB-COM aime planifier pour l'avenir. Et ceci signifie que le

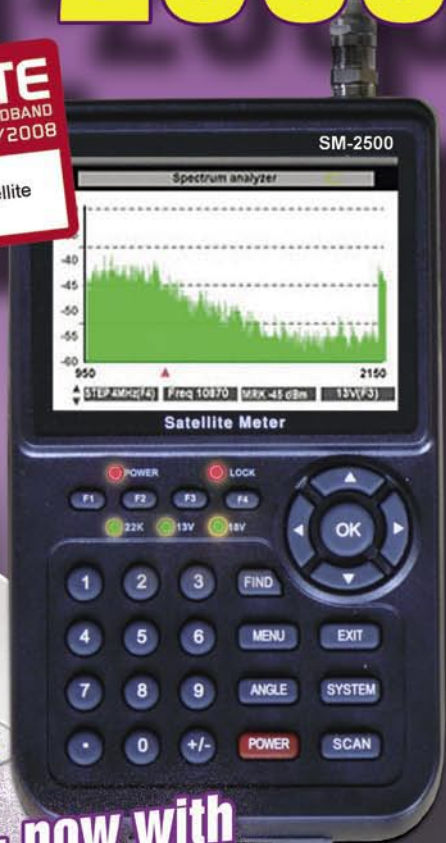
futur est activement façonné. L'innovation à la rencontre de la qualité - le tout d'une seule source.

Cela ressemble à d'une recette imbattable pour un succès encore plus grand.

Trimax SM-2500

**TELE SATELLITE
AWARD & BROADBAND**
06-07/2008

TRIMAX SM2200
An ideal tool for any satellite
system installer



NEW - now with
"Spectrum Analyzer"

\$499^{us}
Direct Sales Price

Payment by PayPal, Visa, MC



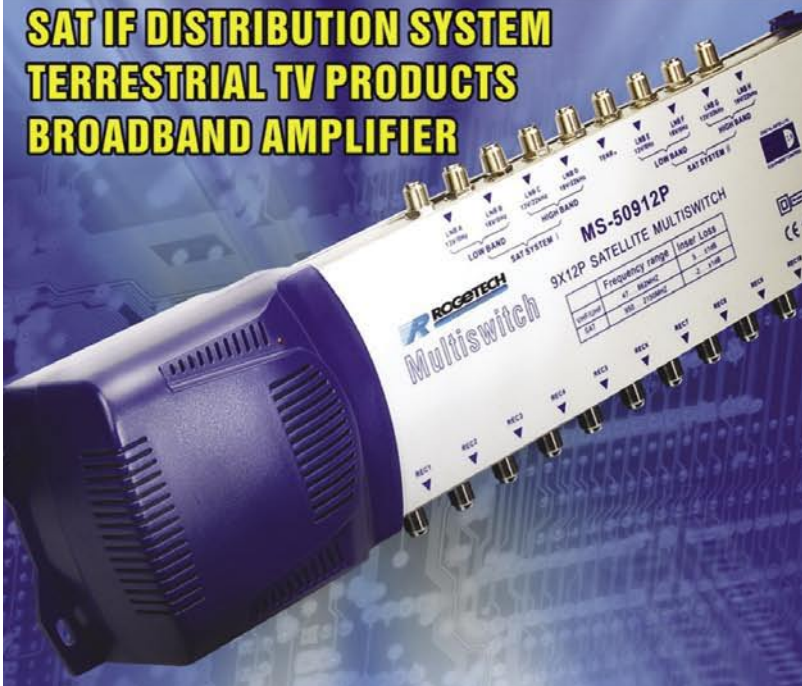
Order HERE:
www.easytrimaxmeters.com
phone: 1.204.661.EASY
email: trimaxmeters@mts.net



**Bring qualified signal
for you**

SAT IF DISTRIBUTION SYSTEM SILVER SERIES

**SAT IF DISTRIBUTION SYSTEM
TERRESTRIAL TV PRODUCTS
BROADBAND AMPLIFIER**



**ROGETECH COMMUNICATION
TECHNOLOGY CO., LTD.**

111# GE Road, New Industrial Zone, JIAXING, CHINA

Tel: 86-573-86161178

Fax: 86-573-86161298

Email: sales@rogetech.com

www.rogetech.com



■ AB-COM attache une grande importance à la formation continue: Une fois par an des revendeurs sont informés sur les derniers développements dans un atelier. Cet événement d'une journée est commandité par AB-COM et représente une occasion bienvenue aux revendeurs et à AB-COM de mieux se connaître.

Le technicien de maintenance ■ Martin Ďurinský utilise l'atelier comme plate-forme pour présenter les nouvelles fonctionnalités des

AB-COM déménagera dans ce nouveau bâtiment le 1er octobre 2009 - l'image représente le dessin de l'architecte. « Nous sommes devenus trop grands pour le bâtiment actuel, » explique Juraj. L'équipe de construction travaille à sa capacité maximale de sorte que l'atelier de production avec son plafond de 6 mètres et l'aile adjacente abritant les bureaux soit accompli ■ aussi vite que possible.



TELE-satellite Magazine in North America

Exciting New Product Reviews
Revealing Company Profiles
Latest Transponder Listings
Keep in Touch with
Global Satellite Developments

Subscription to
TELE-satellite
Hard Copies

1 Year: **US\$99**

2 Year: **US\$185**



Your Direct Subscription Link
in the USA:

<https://www.tele-satellite.com/secure/usa/>

in Canada:

<https://www.tele-satellite.com/secure/can/>

Premium Brand Topfield

Alexander Wiese

Topfield a été un fabricant bien connu sur le marché des récepteurs satellite de haut de gamme pendant de nombreuses années. Le nouveau récepteur superbe portant de nom de modèle TMS renforcera encore l'emprise de Topfield sur le marché de la gamme supérieure.

Télé-satellite a voulu avoir plus de détails au sujet de la future stratégie de la compagnie et s'est entretenu avec Dong Hoon Suk de l'équipe des ventes chez Topfield. Somme toute Topfield propose une gamme de plus de 200 récepteurs satellite différents conçus en fonction des exigences des différents marchés. Mais naturellement les cadres de la compagnie ne savent que trop bien que le nombre de différents types de récepteurs n'est nullement un indicateur de succès. « Nous devons montrer que nous sommes capa-

Le directeur du marketing Dong Hoon Suk se tenant devant un mur d'exposition comportant des récepteurs de Topfield.

TOPFIELD

VIEWSAT

INTRODUCING THE #1 RATED FTA RECEIVER IN NORTH AMERICA



The new Max HD

1-888-VIEWSAT
WWW.VIEWSATUSA.COM



Ultra Lite



Ultra



HD9000

Dual Tuner HD COMING SOON!

170 membres du personnel sont employés par Topfield dans ce bâtiment de bureaux à sept étages dans le Sud de Séoul. 100 employés travaillent dans le département des logiciels et du matériel, alors que 70 personnes prennent soin de l'administration, des ventes et du marketing. Les installations de production sont situées en dehors de Séoul. Beaucoup d'antennes satellite sont installées sur le toit du bâtiment, qui est la propriété de Topfield. ■



TELE-satellite World

[www.TELE-satellite.com/...](http://www.TELE-satellite.com/)

Download this report in other languages from the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0905/ara/topfield.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0905/bid/topfield.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0905/bul/topfield.pdf
Czech	Český	www.TELE-satellite.com/TELE-satellite-0905/ces/topfield.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0905/deu/topfield.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0905/eng/topfield.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0905/esp/topfield.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0905/far/topfield.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0905/fra/topfield.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0905/hel/topfield.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0905/hrv/topfield.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0905/ita/topfield.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0905/mag/topfield.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0905/man/topfield.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0905/ned/topfield.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0905/pol/topfield.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0905/por/topfield.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0905/rom/topfield.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0905/rus/topfield.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0905/sve/topfield.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0905/tur/topfield.pdf

Available online starting from 27 March 2009

PASAT ANTENY

SATELLITE AND COMMUNICATION ANTENNAS

■ solid ■ aluminium ■ prime focus



250 CM



240 CM



220 CM



210 CM



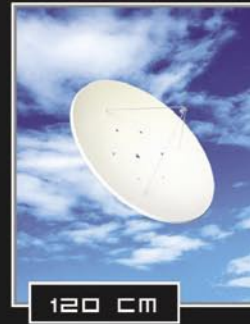
190 CM



170 CM



140 CM



120 CM



BULGARIA

tel: +359 350 63911; +359 350 66311

fax: +359 350 64011

e-mail: sales@pasat.bg; www.sat.bg

www.sat.bg online shop



Quad



Monoblock



Octo



Twin



合揚科技股份有限公司
MICROELECTRONICS TECHNOLOGY INC.

Please Join Us at

ANGACable
Trade Fair for Cable, Broadband and Satellite

Hall 10.2, Booth #K61
May 26-28, 2009



AP8-ST2E



AP8-XTS2E-F

New!

UNIVERSAL RANGE

Low Phase Noise & High Gain • Full Ku-Band Coverage • Low Power Consumption

29, rue de Luxembourg L-8077 Bertrange Luxembourg.

Tel: +352 26 44 02 60

Fax: +352 26 44 02 61

info@e-tronix.lu

e-tronix

Microelectronics Technology Inc.
No. 1 Innovation Road II, Hsinchu Science Park

Hsinchu 300, Taiwan, R.O.C.

Tel: +886 3 577 3335

Fax: +886 3 5770936

sales_contact@mti.com.tw

www.mti.com.tw

bles de réaliser des performances supérieures, » Dong Hoon Suk explique ainsi la stratégie de Topfield. « Avec le nouveau TMS nous pouvons non seulement démontrer la qualité technique que nous pouvons réaliser, mais également un nouveau niveau d'ergonomie. » Celle-ci sera d'un niveau extrêmement élevé avec des possibilités qui jusqu'ici ont seulement existé dans notre imagination. « Le TMS peut également être employé pour des services commerciaux, » souligne Dong Hoon Suk, « et en le connectant à l'Internet on peut réaliser des applications



■ Chef de produit de TMS Jimmy Lee illustrant la connectivité révolutionnaire du TMS



■ Matt Jeon est non seulement le concepteur du TMS mais également le chef d'une équipe se composant de huit ingénieurs de logiciels travaillant au développement et à l'amélioration constante du logiciel du TMS.

totalemment nouvelles et augmenter de ce fait la sphère de l'utilisation d'un récepteur satellite d'une manière véritablement innovante. » Comme le TMS est un produit de pointe, Topfield le lancera seulement sur des marchés choisis au début. « L'Allemagne est l'un de ces marchés initiaux pour le lancement, ainsi que les Pays Bas, la Belgique et la Suisse, » continue Dong Hoon Suk. Les « clients de ces marchés ont des exigences assez élevées. » Ce que nous trouvons d'étonnant est que Topfield proposera le TMS également en Russie : « Nous croyons que la demande pour le TMS sera très forte là aussi, » argumente Dong Hoon Suk.

Jimmy Lee est le chef de produit responsable pour le TMS. Son travail est de coordonner les ingénieurs des logiciels avec les ingénieurs du matériel et de discuter des dispositifs nécessaires de ce nouveau récepteur superbe avec le département des ventes. Il indique quelques détails de production programmés : « Nous entrerons dans le marché avec un premier volume de 3000 récepteurs TMS, » explique Jimmy que Lee, « de sorte que nous puissions évaluer des réactions du marché. »

Les différents marchés verront même des différentes versions du TMS. « La



■ Le rédacteur-en-chef Alexander Wiese de Télé-satellite attendu par Topfield pour la présentation du TMS.

nature des jeux préinstallés différera, par exemple, » continue Jimmy Lee. « Le navigateur web qui vient préinstallé dans le TMS et qui peut être employé pour accéder seulement à certains services d'abord évoluera vers un véritable navigateur durant le deuxième trimestre 2009, » Jimmy Lee indique encore plus de détails concernant les prochaines étapes du développement du logiciel pour le TMS.

Enfin, nous avons voulu découvrir comment l'idée du TMS était née en premier lieu. Elle prend ces origines chez l'ingénieur de logiciels Matt Jeon, qui a proposé le concept pour ce nouveau concept de récepteurs multimédia en février 2008. Il a constitué une équipe de huit ingénieurs de logiciels qui ont continué à créer le premier prototype en août 2008. L'équipe du TMS « a été complètement mise en quarantaine » du reste de la compagnie

et a continué son développement dans le plus grand secret. Une fois que les premiers prototypes avaient été assemblés ils ont été présentés aux initiés et aux distributeurs le plus importants. Le grand public pourra mettre ses mains sur le TMS pour la première fois à l'ANGA de cette année.

Le TMS est fabriqué en Corée et s'est une opportunité pour que Topfield démontre de quels récepteurs satellite dernier cri ils sont capables. De nouveau, Topfield fait la preuve vivante que leur slogan « Leader du multimédia domotique » est durement acquis mais bien mérité et prouve que Topfield est quotidiennement sur la voie vers la perfection de la technologie.



send you to Hong Kong



New Sat CR LNB



Visit us at



Stand K19

Try GT-SAT LNB'S and win a Trip to the HONG KONG ELECTRONIC Fair in October 2009*

Just fill out the coupon below with your company's details and return to us by e-mail or conventional post.
Upon receipt, we will send you participation terms and conditions.

All coupons received before the 15th of May 2009 will receive a free invitation to Anga Exhibition 2009 (Köln Germany) where a free LNB could be obtained from our stand.

*Limit participation date: 31/07/09
* 1 coupon per company and per person

I would like to receive:

- Free invitation to Anga Exhibition
- Terms and conditions to win the HONG KONG trip

GT-SAT INTERNATIONAL s.a.r.l
 16 rue Millewee
 L-7257 Helmsange / Walferdange
 LUXEMBOURG
 Tel: +352 264 322 03
 Fax: +352 264 322 04
 info@gt-sat.com
 www.gt-sat.com

Company name:

Contact name:

Complete address:

.....

.....

Country: Zip Code:

Tel:

Fax:

Email:

Website:



Worldwide Satellites in Toronto

Satellite business in a franchise system. This is the concept that Nick Aquino from Worldwide Satellites in Toronto, Canada follows. Satellite business based on a franchise system? What exactly does this mean? We wanted to know so we made our way to Mississauga. This city is right next to Toronto and is also the home of Toronto's Pearson International Airport.

Right next to the airport Nick Aquino, along with his girlfriend and business partner Connie Falleta, leased an office with a warehouse. The name on the sign turns out to be GTA Electronics. Nick had this to say about that: "You could say that GTA is our first franchisee; there's a second one in California in the USA."

We wanted to find out more and asked Nick when this all started. Nick explains: "In 2001 I started with my first satellite antenna and already in 2003 I became independent together with my girlfriend Connie." That's when the company Worldwide Satellites came into being. "We get most of our orders from our web site www.worldwidesatellites.com", on which he also advertises for his company, "In our first full business year (2004) we managed to turn over 12,000 satellite receivers."

But things only got better: in just four years receiver sales increased tenfold. "In 2008 it was 120,000 boxes", revealed Nick very proudly. With these many receivers sold, why didn't Nick start up his own receiver

■ Nick Aquino is President of Worldwide Satellites. Here in the stockroom he shows us one of EMP's multiswitches that Worldwide Satellites distributes in large numbers in North America. "With EMP alone we have yearly sales of \$1 million", reveals Nick.



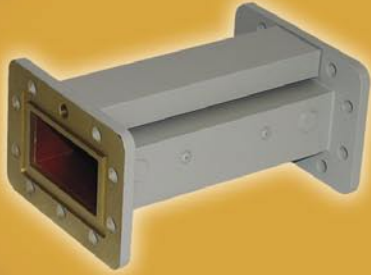
■ GTA Electronics can be found here in this office complex as a satellite dealer for end users and Worldwide Satellites as a satellite wholesaler. Pearson International Airport is located roughly 1 km behind the office.



Microwave Filter Company, Inc.

Satcom Filters & Components

**Downlink &
Uplink Filters
in the C, X, Ku,
K and Ka bands
for commercial
& military use**



6743 KINNE STREET, EAST SYRACUSE, NY (USA) 13057

Tel: (315) 438-4700

Fax: (315) 463-1467

E-Mail: mfcsales@microwavefilter.com

RoHS Compliant



An ISO 9001:2000 Registered Company

www.microwavefilter.com

VSAT ANTENNA TVRO SYSTEM

**Intelsat /GVF
Type Approved**



AZURE SHINE INTERNATIONAL INC.

No. 1000, Gwang Fu Road, Pa Teh City, Taoyuan, 33455 Taiwan, R.O.C.

Http:// www.azureshine.com.tw/ E-mail: azure.shine@azureshine.com.tw

Tel: 886-3-3611393

Fax: 886-3-3615877





■ If you call Worldwide Satellites, you'll end up with the always friendly voice of Tanya Shipman.

switches from EMP", comments Nick. Satellite dishes are also available but shipping costs play a very large role here so in most cases Nick lets local dealers care about dishes. "Of the dishes that we do sell, 50% of them are Multisat antennas with which up to five satellites can be received", explains Nick, "The most popular satellite positions would be 91° west, 101° west, 110° west and 119° west. Customers also ask about the 82° west position and I am experimenting with a solution to receive a sixth position at 129° west."

series? "I thought about it", concedes Nick, "but the advantages also came with quite a few disadvantages." In the end, he is happy with the situation in which he works very closely with every satellite receiver manufacturer for the North American market, including SonicView. Their model SV-360 Elite PVR was recently introduced by TELE-satellite.

We also wanted to know more about

this franchising system. Nick explains: "Every Worldwide Satellites franchisee profits from our market experience. We deliver the products, naturally at a reasonable price, and the franchisee is guaranteed that these products will find their way to end users."

Worldwide Satellites focuses only on FTA receivers and also offers LNBS and multiswitches of every size. "We get our

Worldwide Satellites with its seven employees supplies products as a wholesaler to about 50 satellite dealers in Canada and an additional 10 in the USA. If the franchise concept catches on, these numbers should definitely increase!

Customers simply can't say no when dealing with Andrea Falleta (left) and her sister Connie Falleta (right). Connie Falleta is President of GTA Electronics and sells products in this store to end users.



CREATE THE BEST SOLUTION.

SHOW IN ACTION.

TEACH HOW TO USE.

BUILDING CITY OF THE FUTURE TOGETHER!



7-th Eastern Europe exhibition and conference in telecommunications and broadcasting

Telecom & Broadcasting

EQUIPMENT, TECHNOLOGY AND SOLUTIONS FOR:

- DIGITAL BROADCASTING
- BROADBAND MULTISERVICE NETWORKS
- VIDEO CONTENT PRODUCTION

SOON!!!!

- **March**
International conference "Digital broadcasting technologies of TV content: on the way to 2012. Ukraine and Poland: results, plans and reality".
- **May**
During the day of cable television in Ukraine International conference "Digital video broadcasting in multiservice networks".
- **June**
Workshop "Our television".

www.eebc.net.ua



Telecom & Broadcasting

tickets sponsors:

irdeto



7-th Eastern Europe exhibition and conference in telecommunications and broadcasting

INVITATION

21-23

OCTOBER | KIEV, UKRAINE
"KievExpoPlaza"



Tech Expo

Organizer:

"TECHEXPO" (Ukraine)

tel./fax: +38 044 5010209

email: info@eebc.com.ua

[http:// www.eebc.net.ua](http://www.eebc.net.ua)



Connait tout le monde!

Quelqu'un d'actif dans le domaine satellite en Chine ne peut pas se passer de rencontrer l'équipe de Luo Shi tôt ou tard. Non seulement parce qu'il est le distributeur de Télé-satellite en Chine depuis de nombreuses années déjà, mais également parce qu'il est aussi une personnalité importante dans beaucoup d'autres secteurs du satellite. Comme la Chine entrera dans l'âge de la diffusion directe tous ménages en 2009 c'est maintenant un bon moment pour rendre visite à l'équipe de Luo Shi dans son bureau à Shenzhen.

Luo a appelé sa compagnie Aluo-sat pour une raison très simple : Dans le dialecte Cantonnais parlé en Chine méridionale un « a » est souvent mis en préfixe au prénom d'une personne. Ainsi, Luo devient Aluo. À l'origine, Luo vient de Sichuan dans le sud-ouest de la Chine. Il a fait des études d'électrotechnique et a en eu son premier travail auprès d'une compagnie produisant les composants électroniques pour l'armée chinoise dans la ville de Lanzhou dans le nord-ouest du pays. Entre autre, son premier employeur a également fabriqué de l'équipement satellite.

Luo a connu la véritable réception satellite pour la première fois quand il a reçu des signaux d'EKRAN par 99° Est, qui a transmettait dans la gamme de fréquences UHF en 714 mégahertz, jadis depuis la Russie. À partir de ce moment il est devenu accroc

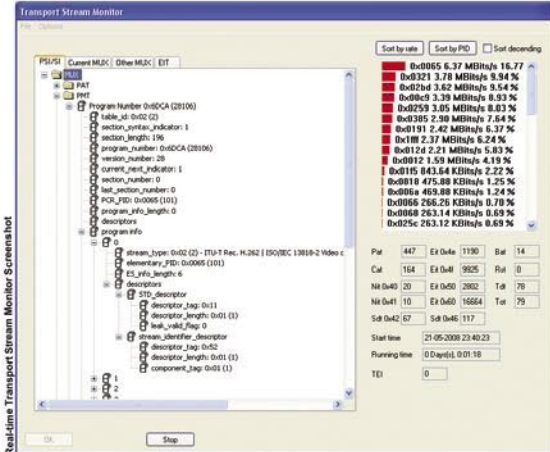
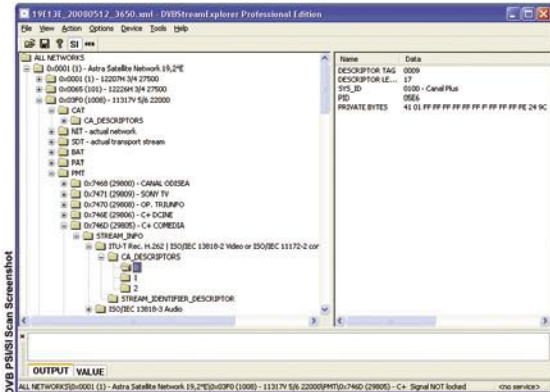
Membre du personnel d'Aluo-Sat, Lou Jun (à gauche) et Lou Shi Gang (à droite) sur le toit. Pourquoi est-ce que Luo Shi Gang a-t-il choisi le dernier étage pour ces bureaux ? Vous l'avez probablement deviné : Il veut s'assurer que les câbles entre les paraboles et les récepteurs soient les plus courts possibles. Et pourquoi est-il heureux, il y a une balustrade plutôt haute ? Eh bien, la réception satellite privée est encore interdite en Chine et de cette manière les antennes de Luo ne peuvent pas être vues depuis l'extérieur. Sur cette image nous pouvons voir deux paraboles de bande C : celle du fond est motorisée, celle en avant est fixe.

DVBStreamExplorer™

MPEG2/DVB Transport Stream Analyzer

Feature Summary

- ✓ MPEG2/DVB/ATSC PSI/SI/PSIP scanning
- ✓ Stream demuxing and capturing to disk
- ✓ DVB DSMCC scanning
- ✓ TeleText Analyzer
- ✓ DVB MPE scanning
- ✓ Service Player
- ✓ Real-time Transport Stream Monitor
- ✓ Saving of collected information as text/CSV
- ✓ Supports most BDA compatible devices and specific non-BDA devices*



DVB PSI/SI Scanning

- Scanning of PSI/SI information as defined in ISO13818-1 and EN 300 468.
- Parsing of PAT, CAT, BAT, NIT, SDT, EIT, TDT, TOT, RST, AIT (MHP), PMT and INT tables, including most descriptors.
- Display SI information in tree/list view.
- Unattended scanning of multiple MUXes, i.e. multiple transponders on multiple satellites.

DVB Service Viewer

- View DVB service information of collected PSI/SI data.
- Organize service view by satellite position, network ID, provider and alphabetic.
- Apply filter to easily locate services with interesting properties, such as MHP, AC3 and H.264 streams.

ATSC PSI/PSIP Scanning

- Scanning of PSI/PSIP information as defined in tables defined in ISO13818-1 and A/65C.
- Parsing of SST, MGT, TVCT, CVCT, RRT, EIT, ETT, DCCT and DCSCCT tables, including most descriptors.

DVB DSMCC scanning

- Scanning of DVB DSMCC data- and object carousel's as defined in ISO13818-6 and EN 301 192.
- DSMCC is used for distribution of i.e. MHP applications.
- Parsing of DSMCC sections.
- View information about DSMCC data-carousels.
- View information about DSMCC object-carousels.
- Saving of DSMCC data- and object carousels files. Object carousels are saved with original directory/file structure.

DVB MPE scanning

- Scanning of DVB MultiProtocol Encapsulation (MPE) as defined in ISO13818-6 and EN 301 192.
- Scan for active MAC addresses on MUX.
- Scan for active IPV4, IPV6, TCP and UDP endpoints.

Real-time Transport Stream Monitor

- Full parsing of PAT, PMT, CAT, NIT, SDT, BAT, TOT, TDT and EIT PSI/SI tables.
- Summary of services on current MUX including key parameters.
- Summary of services on other MUXes.
- Logging of MPEG2 A/V, H.264 and AC3 elementary stream key parameters.
- List of MUXes from NIT including key parameters.
- Summary of CA (EMM/ECM) information including key parameters.

... and much more! **

* For a list of supported devices please visit our website at www.dvbstreamexplorer.com.
** Specific features are only available in DVBStreamExplorer Professional Edition.

Download your free trial today from www.dvbstreamexplorer.com



SUN CREATE

SHANGHAI STOCK EXCHANGE LISTED COMPANY
(600990)

YOUR PROFESSIONAL
LNB SUPPLIER
SINCE 1993

KU BAND LNB
SINGLE
TWIN
QUAD
QUATTRO
OCTO
MONOBLOCK
LINEAR
CIRCULAR



C BAND LNB
SINGLE
TWIN
V/H

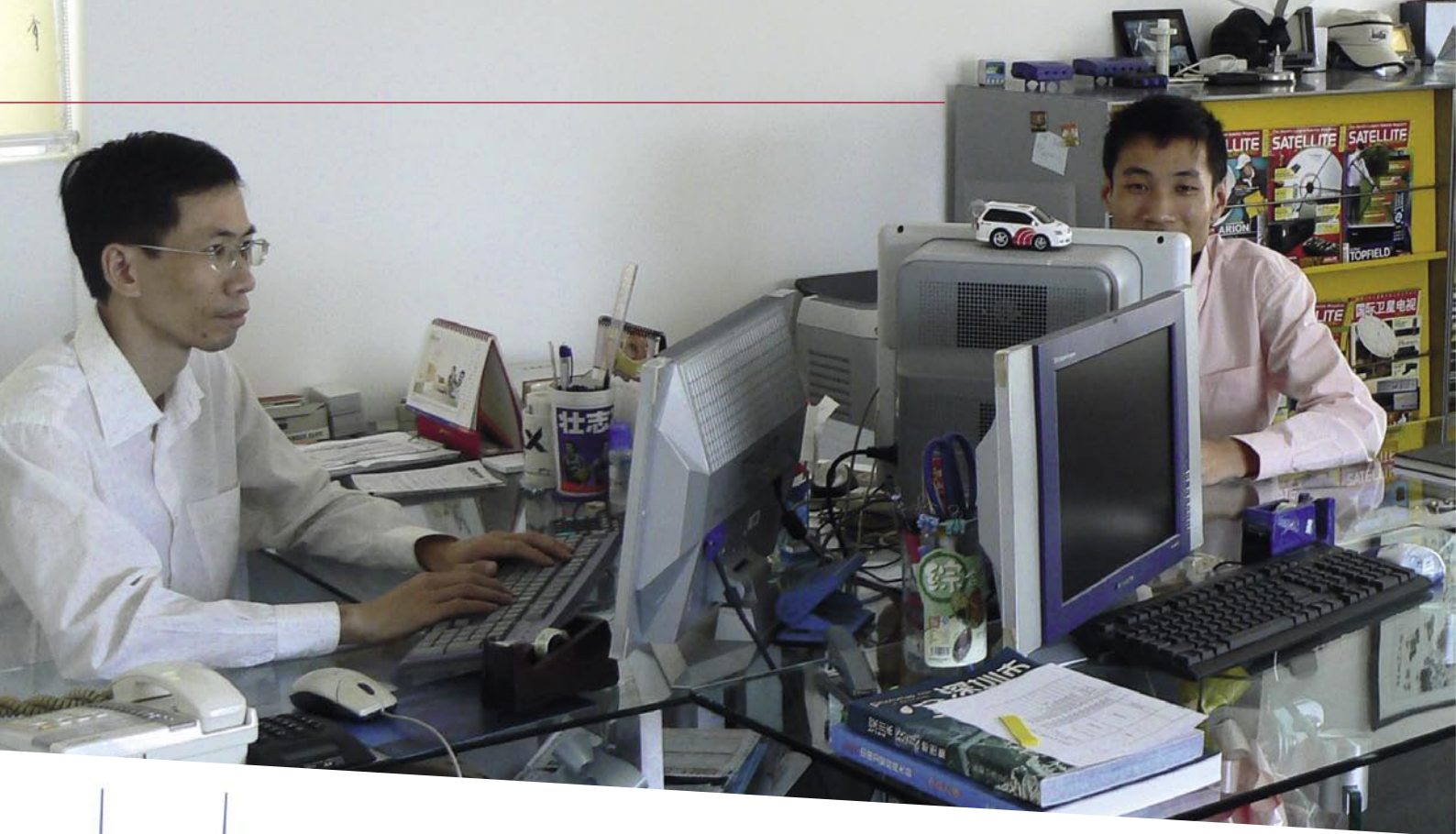


MMDS DOWN CONVERTER
INTEGRATED
YAGI



ANHUI SUN CREATE ELECTRONICS CO., LTD.
NO.199, XIANGZHANG STREET, HI-TECH INDUSTRIAL
DEVELOPMENT ZONE, HEFEI, ANHUI, P.R. CHINA
TEL: +86-551-5391363/5391372 FAX: +86-551-5391304
EMAIL: LNBSALES@SUN-CREATE.COM WWW.SUN-CREATE.COM





de la réception satellite. Il a très vite commencé à écrire des articles pour l'hebdomadaire « Electronics Newspaper » qui était à ce moment-là la seule publication disponible en matière de technologie satellite. Le nombre de contributions a continué à augmenter et son travail impliquait également de rencontrer de plus en plus des ini-

tiés du satellite. Enfin, en 1995 il a fondé sa propre entreprise : « Avec mon épouse j'ai fondée Aluo-Sat à Shenzhen en 1995. » Hormis son travail en tant que journaliste technique il a également commencé à travailler en tant que conseiller.

TELE-satellite World

www.TELE-satellite.com/...

Download this report in other languages from the Internet:

Arabic	العربية	www.TELE-satellite.com/TELE-satellite-0905/ara/aluosat.pdf
Indonesian	Indonesia	www.TELE-satellite.com/TELE-satellite-0905/bid/aluosat.pdf
Bulgarian	Български	www.TELE-satellite.com/TELE-satellite-0905/bul/aluosat.pdf
Czech	Česky	www.TELE-satellite.com/TELE-satellite-0905/ces/aluosat.pdf
German	Deutsch	www.TELE-satellite.com/TELE-satellite-0905/deu/aluosat.pdf
English	English	www.TELE-satellite.com/TELE-satellite-0905/eng/aluosat.pdf
Spanish	Español	www.TELE-satellite.com/TELE-satellite-0905/esp/aluosat.pdf
Farsi	فارسی	www.TELE-satellite.com/TELE-satellite-0905/far/aluosat.pdf
French	Français	www.TELE-satellite.com/TELE-satellite-0905/fra/aluosat.pdf
Greek	Ελληνικά	www.TELE-satellite.com/TELE-satellite-0905/hel/aluosat.pdf
Croatian	Hrvatski	www.TELE-satellite.com/TELE-satellite-0905/hrv/aluosat.pdf
Italian	Italiano	www.TELE-satellite.com/TELE-satellite-0905/ita/aluosat.pdf
Hungarian	Magyar	www.TELE-satellite.com/TELE-satellite-0905/mag/aluosat.pdf
Mandarin	中文	www.TELE-satellite.com/TELE-satellite-0905/man/aluosat.pdf
Dutch	Nederlands	www.TELE-satellite.com/TELE-satellite-0905/ned/aluosat.pdf
Polish	Polski	www.TELE-satellite.com/TELE-satellite-0905/pol/aluosat.pdf
Portuguese	Português	www.TELE-satellite.com/TELE-satellite-0905/por/aluosat.pdf
Romanian	Românesc	www.TELE-satellite.com/TELE-satellite-0905/rom/aluosat.pdf
Russian	Русский	www.TELE-satellite.com/TELE-satellite-0905/rus/aluosat.pdf
Swedish	Svenska	www.TELE-satellite.com/TELE-satellite-0905/sve/aluosat.pdf
Turkish	Türkçe	www.TELE-satellite.com/TELE-satellite-0905/tur/aluosat.pdf

Available online starting from 27 March 2009

Actuellement il dispose d'une équipe de sept employés : « Mon épouse est responsable de la comptabilité, trois ingénieurs prennent soin des demandes techniques, un employé s'occupe d'un magasin satellite à Hong Kong et une autre personne s'occupe des ventes et de la distribution. »

Aluo-sat a également commencé à distribuer des produits de fabricants de qualité sélectionnés tels que Changhong pour la TV numérique terrestre (DMB-TH), dont les chaînes sont émises depuis Hong Kong mais peuvent être captées parfaitement à Shenzhen aussi.

« Nous servons des utilisateurs aussi bien

Luo Shi Gang dans son bureau sur le dernier étage d'un immeuble au coeur de Shenzhen. Il n'y a certes pas moyen de nier qu'il est le distributeur officiel du magazine Télé-satellite dans la région. ■



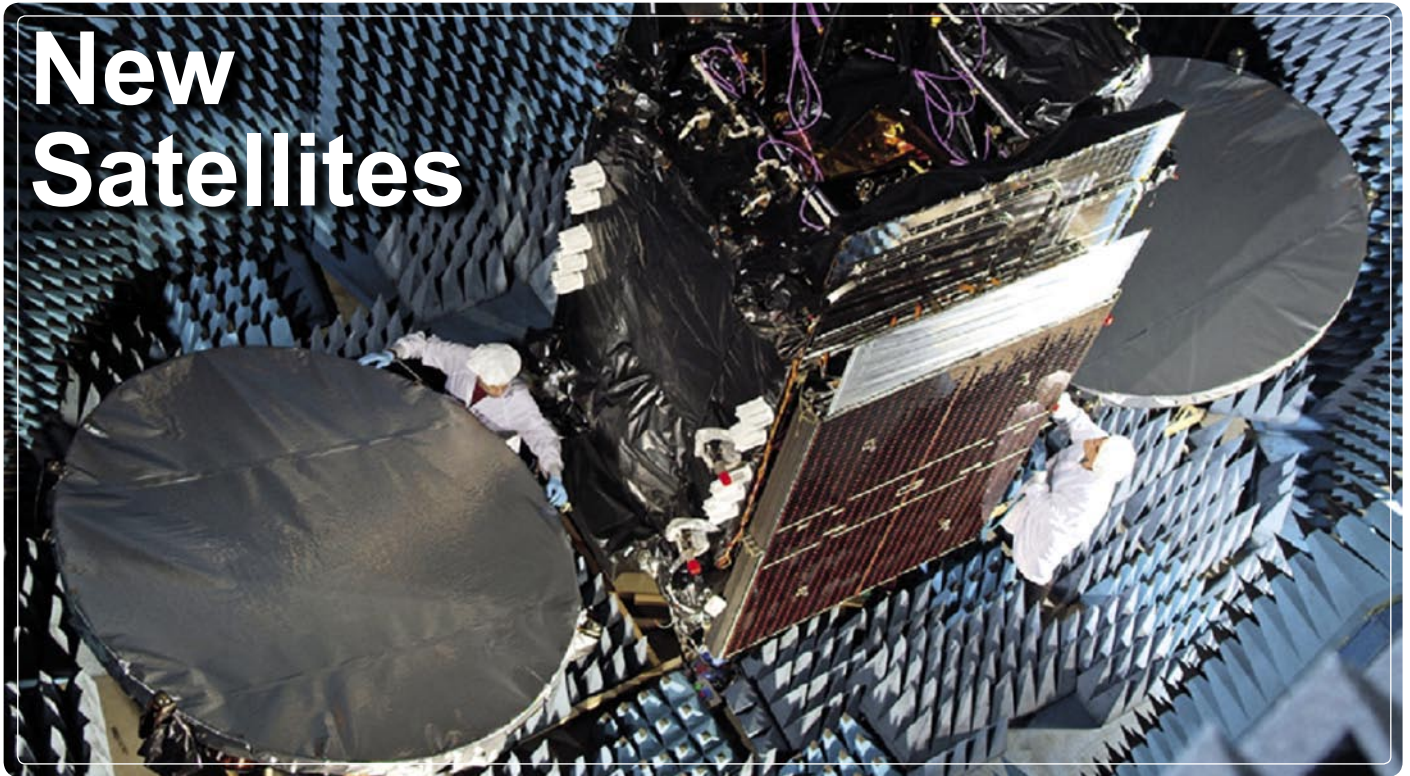
que des grossistes, » Luo explique sa stratégie commerciale. « Mais ce que j'apprécie le plus, c'est de travailler en tant que consultant. » Luo voyage beaucoup et visite beaucoup de foires et d'expositions relatives au satellite. « De cette façon je peux rencontrer des personnes importantes et élargir mon réseau personnel, » déclare Luo.

Luo est une figure importante dans beaucoup de régions et de segments. « J'aime juste aider quand il s'agit d'établir des liens avec des entreprises chinoises qui sont actives dans le domaine du satellite. »

La haute balustrade assure que les antennes demeurent cachées. L'horizon de Shenzhen peut être vu à l'arrière-plan. ■



New Satellites



Edited by
Sylvain Oscul

EUTELSAT W2A

April-May 2009

This new EUTELSAT Satellite will be positioned at 10 EAST and replace EUTELSAT W1. This Satellite carries 46 Ku and 10 C band transponders and 1 S band. Manufactured by Alcatel and based on a 4000C4 platform, this satellite will cover Europe, North Africa and the Middle East. A second fixed beam will serve southern Africa and Indian Ocean islands. The C-band mission will provide pan-African coverage for broadband and telecommunications services.

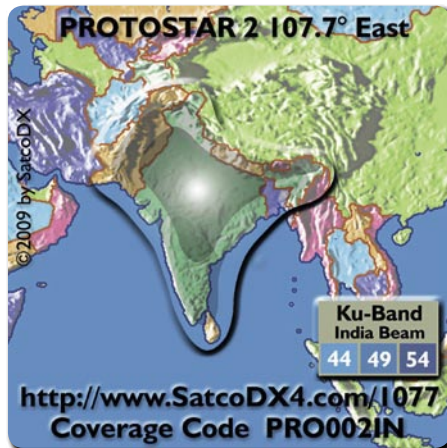
This satellite is also a special joint venture with ASTRA, The S-band (2.0 and 2.2 GHz), which represents a new frequency band for both SES and Eutelsat, provides a set of frequencies optimized for supporting a wireless distribution network for delivering video and other services to mobile devices, including phones.



PROTOSTAR 2

May 2009

This satellite is based on a Boeing Satellite system platform called 601HP, located at 107.7 EAST, this satellite will replace CAKRAWARTA. The satellite is built with 24 KU transponders to cover Philippines, India and Indonesia, and 10 S transponders to cover Indonesia. Launched with a Proton M vehicle, the satellite will be in the air for 15 years.

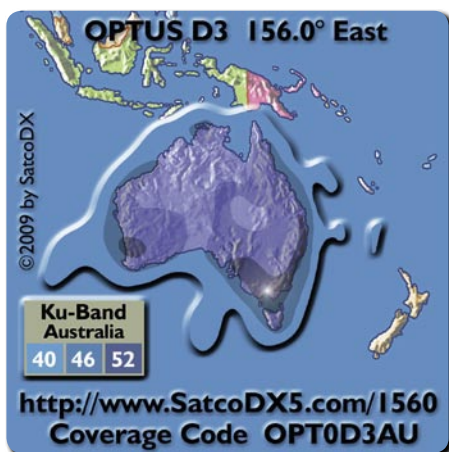




OPTUS D3

May-June 2009

This satellite will be launched simultaneously with HOTBIRD 10, co-located at 156 EAST with OPTUS C1, this Orbital Science Corporation satellite will embed 24 Ku band transponders and cover Australia for 15 years. The satellite will provide direct TV, Internet, telephony and data transmission services for Australia and New Zealand. Orbital Sciences Corporation has constructed the Optus D3 spacecraft using the Star-2 platform.



INTELSAT 15

June 2009

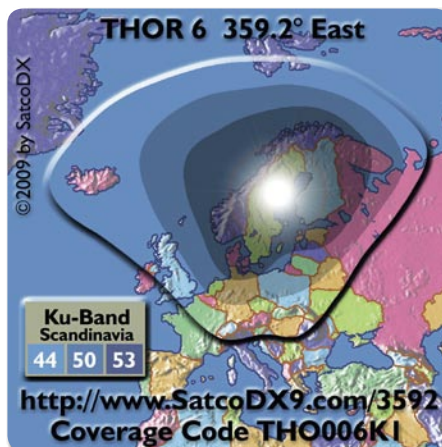
This satellite will replace INTELSAT 709 at 85.2 EAST; launched by a Zenith 3 vehicle, this satellite will embed 22 Ku-BAND Transponders (and 8 for backup). The INTELSAT 15 high power Ku-band payload will provide video and data services for the Middle East, Indian Ocean Regions and Russia. INTELSAT 15 is based on a Orbit-



al's STAR spacecraft bus. Launch with a Zenith 3 vehicle, the satellite will be on the air for 15 years.

THOR 6

June 2009



Thor 6 is based on Thales Alenia Space Spacebus-4000B2 platform and fitted with 36 active Ku-band transponders. The satellite has a capacity of 16 transponders pointed to the European Nordic countries and 20 transponders will be positioned to serve the growing broadcasting demands within Central and Eastern Europe. THOR 6 is the final satellite in Telenor Satellite Broadcasting's replacement program for THOR 2 and THOR 3. THOR 6 will replace THOR 3, which is set to retire in 2010. The satellite will be launched on an Ariane 5 launcher from the Kourou Space Centre in French Guyana and will provide programs for the next 15 years.

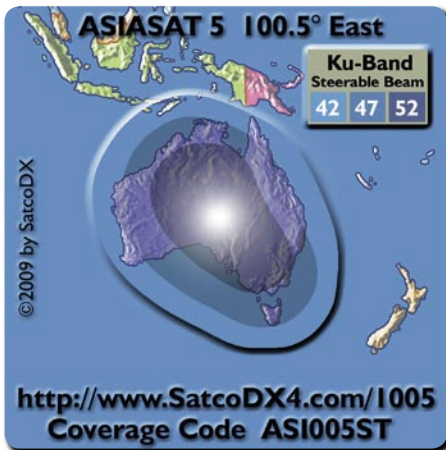
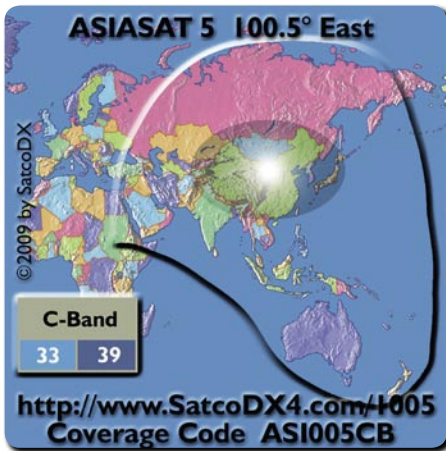


ASIASAT 5

June 2009

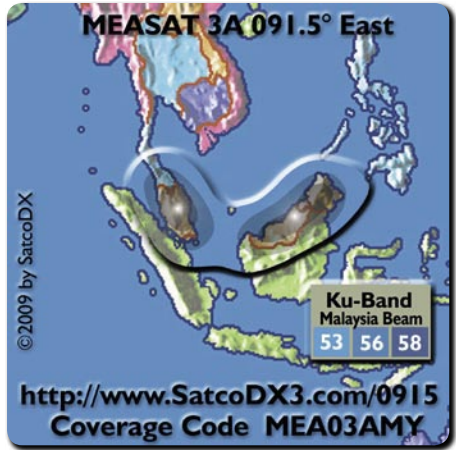
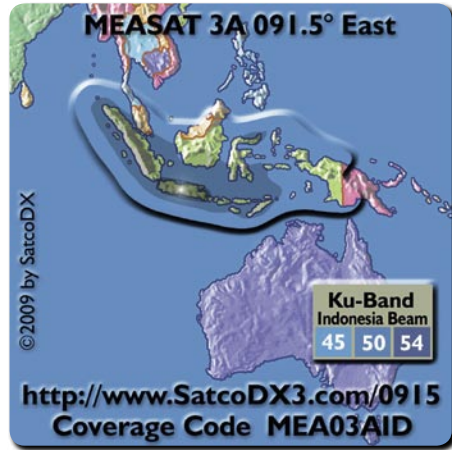
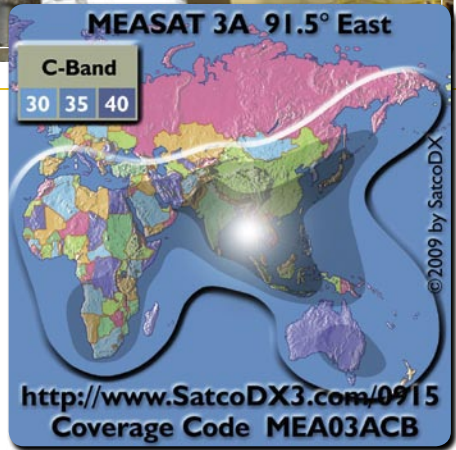
ASIASAT 5 C-band footprint will offer an extensive pan-Asian coverage and its high power Ku-band beams will focus on both East and South Asia, with a steerable beam that will cover anywhere within ASIASAT 5 geographic coverage. ASIASAT 5 has a sophisticated Ku-band inter-beam switching which provides great flexibil-

ity of usage in orbit. This Satellite will replace ASIASAT 2 at 100.5 EAST with 22 Transponders in KU Band



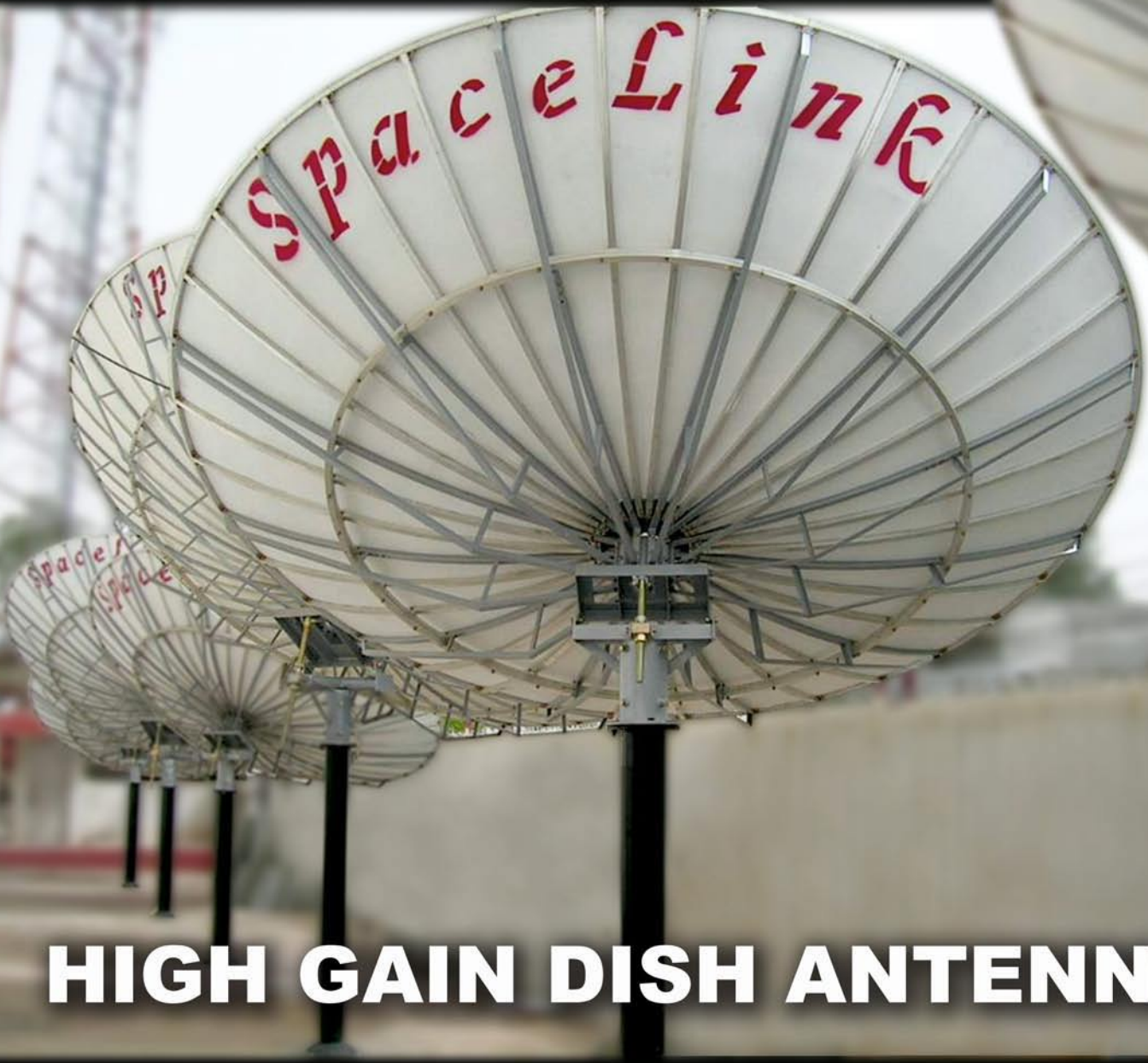
MEASAT 3A
June 2009

MEASAT 3A has been designed to be co-located with MEASAT 3 at 91.5 EAST. The satellite will provide 12 high-powered C-band transponders providing coverage across a region bounded by Africa and Eastern Europe in the West, through to Japan and Australia in the East, and 12 high-powered Ku band transponders for DTH in Malaysia and Indonesia over a 15 year minimum service life. This satellite will be launched by a Zenith 3.





www.spacelinkindia.com



HIGH GAIN DISH ANTENNA



O.E.M Manufacturers of:

Ku band ~ 60cm / 80cm / 90cm / unique shapes

C band ~ 1.8m / 2.4m / 3.7m / 4.8m / 6.2m / 7.3m

Designers for Dish Farms & RF System Integrators catering to

DTH Operators / IPTV Headends / Cable TV Operators / Broadcasters / Institutions



SVH Tech Pvt. Ltd.

Opp. Modi Bagh , Delhi Meerut GT Rd.,
Modinagar. Dist. Ghaziabad. UP. India.201 204
Tel.: +91-1232-250701 / 220133 / 243449
Fax: +91-1232-250702
e-mail: vm@spacelinkindia.com

Spacelink Systems Pvt. Ltd.

25/6 , St. No. 16 ,First Floor , Main Road,
Vishwas Nagar , Delhi. 110032. India
Tel.: +91-11-65366446 / 65366871
Fax: +91-11-22300799
e-mail: nr@spacelinkindia.com



Edited by
Branislav Pekic

EUROPE

EUROPE

NSS-9 SATELLITE SUCCESSFULLY LAUNCHED

The NSS-9 satellite was successfully launched onboard an Ariane 5 ECA rocket from the European Spaceport in Kourou, French Guiana, on February 12. NSS-9 was manufactured by Orbital Sciences Corporation and is poised to be the 40th satellite in SES' global fleet. The NSS-9 spacecraft will be positioned at the orbital location of 183 degrees East, a prime connectivity slot for the Pacific Ocean Region. The spacecraft carries 44 active C-band transponders, and features three beams that can interconnect on a transponder-by-transponder basis: a global beam providing coverage of the entire earth visible from 183 degrees East; a West Hemi beam (covering Australia, Indonesia, the Philippines, Japan, China, Korea and the Pacific Islands); and an East Hemi beam (providing coverage and connectivity to the U.S., Hawaii and Polynesia).

ASTRA 1M READY FOR OPERATION

SES Astra has announced that its new Astra 1M satellite has been successfully deployed at its final orbital position at 19.2 degrees East and is ready for commercial operations. The satellite, which was built by EADS Astrium and launched from Baikonur, Kazakhstan, on 5 November 2008 has successfully passed all necessary in-orbit tests of the hardware and broadcasting functionalities on board. With its 36 transponders, Astra 1M will deliver DTH and HDTV services to continental Europe.

170 MILLION HDTV EUROPEAN HOUSEHOLDS BY 2013

According to a report from Euroconsult and NPA, currently 59 million European households are equipped with HD-enabled TV sets. That figure is set to grow to 116 million in 2010, a 51% penetration rate and explode to 220 million in 2018. Driving this adoption is the steady decline in prices for flat screens since 2004, and the imminent inclusion of HDTV capability as a standard feature in flat screens sold throughout Europe. The number of pay-TV networks in Europe offering HD almost tripled in the last two years.

AUSTRIA

TELEKOM AUSTRIA TOPS 63.800 IPTV SUBSCRIBERS

Telekom Austria ended 2008 with 63,800 subscribers for its IPTV service aonTV, compared to 10,930 one year previously. The operator sold 334,800 combo packages during the last two months of 2008, helping to slow net line loss to 98,000 during the period, compared with 250,000 one year previously. aonTV provides 63 TV channels in its basic package for €4.90, with a further 21 thematic channels available for an additional €7.90 per month.

BOSNIA-HERZEGOVINA

BH TELECOM SIGNS IPTV/VOIP DEAL

Bosnian state-owned telecommunications operator BH Telecom has signed a contract today with Slovenian vendor Smart Com for the introduction of an integrated IPTV and VoIP system. The deal will see Smart Com provide the design, delivery and

installation of equipment, as well as offer support and maintenance for a one-year period. The value of the deal is an estimated EUR 2.47 million.

FRANCE

SES ASTRA AND GLOBECAST DISTRIBUTE ORANGE TV

SES ASTRA and Globecast have signed a capacity contract with the French telecommunications operator Orange to distribute its new Orange TV offer via satellite, particularly targeting French homes with no TV coverage over ADSL. Orange TV is part of a triple play offer (TV, telephone, internet) and will be broadcast by the ASTRA satellite system from the prime orbital position 19.2 degrees East, which already serves more than five million French direct-to-home households. GlobeCast will be handling transmission of Orange TV, including digitalisation, MPEG-4 encoding, multiplexing, encryption and uplink services.

FRENCH IPTV HOUSEHOLDS TOP 5.64 MILLION

At the end of the third quarter 2008 there were 5.643 million subscribers to IPTV services in France, according to new figures from the French telecoms regulator ARCEP. This figure represents an increase of 1.6 million or 39% from the same period of 2007. IPTV subscribers accounted for 34.6% of the total number of ADSL subscribers in France at the end of the third quarter of last year (16.299 million), compared to 28.8% of the total (14.09 million) one year previously. France Telecom's Orange TV had around 1.5 million at the end of last September, while competitor Neuf Cegetel had around 850,000 subscribers for its Neuf TV, and rival ISP Alice, owned by the Iliad Group, had around 150,000 at the same point.

GERMANY

GERMANY CLOSES 2008 WITH 536.000 IPTV SUBSCRIBERS

The German Association for IT, Telecommunications and New media (BITKOM) has reported that the number of IPTV subscribers in the country reached 536.000 at end-2008, up from 180.000 a year earlier. Deutsche Telekom aims to double its number of IPTV subscribers to 1 million in 2009, a senior company executive told the "Focus" magazine. Deutsche Telekom accounts for over 90% of the country's IPTV subscribers, having recently announced an excess of half a million customers, while Telecom Italia subsidiary HanseNet has reported an estimated 25.000 subscribers.

ITALY

TISCALI CANCELS IPTV SERVICE

Italian broadband ISP Tiscali has shut down its ADSL-based IPTV service in Italy, with poor subscriber take-up thought to be behind the decision to pull the service. It has not revealed any plans to cancel its UK-based IPTV service, which has attracted investor interest from broadcaster and broadband provider BSkyB. However, in December it was reported that disagreements over the price of the UK unit of Cagliari-based Tiscali had caused BSkyB to withdraw from negotiations.

RUSSIA

PLATFORMAHD BOOSTS CAPACITY ON EUROBIIRD 9

Following on from the successful launch in 2008 of Platforma HD on the Eurobird 9 satellite of Eutelsat Communications, Russian pay-TV operator National Satellite Company is complementing and significantly expanding its offer with a new package called Platforma DV of 20 Standard Digital

channels. Platforma DV launched on February 1 via a second transponder leased by National Satellite Company on Eutelsat's Eurobird 9 satellite which provides extensive reach to satellite homes across the European territory of Russia. Platforma DV costs subscribers R900 (EUR20) a year, while subscribers taking both SD and HD packages will pay R4,200 (EUR93) a year.

ARIANE TO LAUNCH YAMAL SATELLITES

Arianespace has been chosen to launch the two communications satellites, Yamal-401 and Yamal-402 within the scope of a contract between Thales Alenia Space and Russian operator Gazprom. Thales Alenia Space will build these two satellites using Spacebus 4000C3 platforms. They will be orbited by Ariane 5 ECA launchers in the second half of 2011. Yamal-401 will be equipped with 36 Ku-band and 17 C-band transponders and will be positioned at 90 degrees East. For its part, the Yamal-402 will have 46 Ku-band transponders and be positioned at 55 degrees East.

EXPRESS SATELLITES SUCCESSFULLY LAUNCHED

The Express AM-44 and Express MD-1 satellites were successfully launched in February by a Proton-M rocket from the Baikonour Cosmodrome in Kazakhstan. The Express-AM-44 satellite is designed to provide digital TV and radio broadcasting, telephony, data transmission channels, videoconferencing services and Internet access. It carries 16 active transponders in Ku-band, 10 in C-band, and 1 in L-band and will be positioned at 11° West. The Express-MD-1 satellite is designed to provide TV, voice and data transmission and radio broadcasting services over an area spanning Russia and most of the CIS countries from 53° East.

SPAIN

TV3 and IB3 STUDY JOINT IPTV CHANNEL

Spanish TV channels IB3 (available in the Balearic Islands) and TV3 (the public television channel of the Catalan region) have formed an agreement to look into the viability of partnering on delivering a joint channel for IPTV services in the country, according to local news portal DiariDeGirona. The channel would carry content from both organisations. A joint committee made up of representatives from both companies is to take responsibility for moving the project forward.

TURKEY

MEDIA REGULATOR PREPARES GROUND FOR IPTV

Turkey's Radio and Television Supreme Council (RTÜK) has prepared the legal groundwork to regulate the introduction of new broadcasting technologies, including IPTV, DVB-H, DVB-T and DVB-T2. After a meeting in January, RTÜK said that it would give permission for test transmissions by prospective broadcasters wishing to invest in IPTV provided that they comply with certain requirements. Following this decision, prospective IPTV broadcasters should apply to RTÜK for permission to begin testing. Having satisfied preliminary requirements, applicants will be given permission by RTÜK to start their test broadcasts for a period of one year.

UNITED KINGDOM

BBC, ITV AND BT TO DEVELOP IPTV STANDARD

UK terrestrial broadcasters BBC and ITV have teamed up with operator BT to develop and on-demand service that would for the first time in the U.K. offer free-to-air broadband content from TV sets. The three parties have signed a memorandum of understanding and

invited other U.K. public service broadcasters and ISPs to join the project, which could be as revolutionary as the hugely successful U.K. digital terrestrial platform Freeview. The new service would require a set-top box connected to an Ethernet connection enabling audiences to access shows via broadband on their TV sets.

VIRGIN MEDIA TO LAUNCH FOUR HDTV CHANNELS

Cable company Virgin Media has launched a 50 Mbps broadband service in the UK and announced plans to launch four high-definition channels in 2009. The fibre optic cable network will give UK customers nearly nine times the average headline broadband speed. CEO Neil Berkett said Virgin Media would launch four new HD channels in March.

AVANTI TO LAUNCH SATELLITE

Avanti Communications, which plans to launch its first satellite in the final quarter of this year, has recruited 28 wholesale customers around Europe who will sell on broadband services. According to chairman, John Brackenbury, the company hopes to benefit from government initiatives in both the UK and Europe, where the European Commission last week announced further funding to help the 30 per cent of EU homes that have no access to high speed internet services. Avanti already supplies some customers via leased satellite capacity.

UK LEADS HDTV TAKE-UP

In Europe the UK leads HDTV take-up largely as a result of Sky's 800,000 HD subscribers. Freesat, the free-to-air satellite service offers a much smaller choice of HD programming with BBC HD and ITV HD, but has around 200,000 users which are growing rapidly. Virgin Media with around 400,000 subscribers to its V+ box, with access to the BBC HD channel takes the total in the UK to around 1.5 million.

HD TERRESTRIAL TESTS LAUNCH IN LONDON

HD test transmissions launched in February via London's Crystal Palace transmitter, equipped with a modulator using the new DVB-T2 transmission standard which was provided by Enensys. Last September, the BBC successfully performed test transmissions in the UK to receive high def pictures compliant to the DVB-T2 standard using a real-time demodulator.

NORTH AMERICA

CANADA

SASKTEL TO DEPLOY MARINER'S IPTV PLATFORM

SaskTel is commercially deploying xVu. Mariner's IPTV Service Assurance platform. xVu will be deployed to SaskTel's over 70,000 IPTV subscribers to provide continuous monitoring and real time feedback of customer's Quality of Experience. The platform will allow SaskTel to proactively manage its IPTV service quality, and to identify and resolve issues often before the customer even realizes there is a problem.

BELL TV OFFERS NEW BOXES FOR HD SUBSCRIBERS

Bell TV subscribers with a first generation HD DTH satellite receiver were sent a letter this week notifying them their old ExpressVu 6000 HD receivers would no longer work after April 1. Bell has offered to exchange the old HD receivers with the company's new model 6131 HD receiver free of charge. In April, Bell will roll out a new signal modulation scheme called 8PSK which will allow Bell TV to transmit more HD satellite signals without using more bandwidth.

UNITED STATES

RAINBOW DROPS VOOM HD SERVICE

Cable operator Rainbow Media Holdings is dropping the Voom-branded suite of 15 HD channels, after losing domestic carriage on the satellite platform Dish Network. Dish dropped the Voom channels in May 2007, reportedly after a contract dispute, leaving just Rainbow parent Cablevision Systems as the channels' only US platform. Rainbow has since filed a lawsuit against Dish for breach of contract but has now axed the channels while it focuses on the US\$1 billion legal action.

ZCOM NETWORKS TO INTEGRATE IPTV WITH SATELLITE

In order to link its IPTV Broadcasting with Satellite, Zcom Networks has commenced discussion with Globecast for the transport of signals via satellite and fiber. Harnessing the power of IP, Zcom will capitalize on its broadcast expertise from program origination to play out and from assembling to reformatting and encoding utilizing the broadband IP connection.

Wideband Devices for DIRECTV™ Application

- for applications with 3 LNB or 5 LNB dishes
- for the distribution of the new HD channel signals in Ka/Ku bands
- 5 years warranty on each product
- applicable for large distribution networks up to 400 subscribers

For more information on our wideband devices visit our website



Distributors Wanted! Please contact us.

Byk-Gulden-Str. 22 · 78224 Singen
 Phone: +49 (0)7731 - 8673-0 · Fax: +49 (0)7731 - 8673-17
 Email: contact@spaun.com · www.spaun.com

DISH NETWORK INTRODUCES SLINGBOX TECHNOLOGY

Satellite TV provider Dish Network Corp unveiled the new Vip 922 DVR box in January that allows people watch to their favorite TV shows on any Internet-enabled device. The Slingbox is a device that lets people watch cable and satellite programming from a computer or mobile phone with a broadband Internet connection. In addition to TV sets, people can watch their recorded TV programs and sports events on their desktops at home, their laptops on the road, their smart phones, iPhones, Blackberry, and more.

NEULION LAUNCHES NEW IPTV HD BOX

NeuLion has introduced the IPTV HD TV Box delivering HD programming in 720p and 1080i, providing adaptive streaming in HD without buffering. NeuLion now offers HD streaming services of live TV channels, live events and VOD over the Internet directly to the television. NeuLion's existing IPTV HD PC browser service provides HD quality programming of live channels, sports, entertainment events and VOD in up to a 1080i format to its Network Partners across the globe.

VERIZON FIOS WITH 1.9 MILLION IPTV SUBSCRIBERS

Verizon FiOS TV customers now have a total of 105 HD channels available, and over 1,400 HD VOD titles, which are offered each month. Verizon FiOS is available for sale to more than 8.2 million homes and small businesses in 14 states. The company added 303,000 FiOS TV subscribers in the fourth quarter and almost 1 million in 2008, bringing the total to 1.9 million out of 9.2 million homes that

have access to the service. In contrast, AT&T is hoping to have 1 million subscribers to its rival IPTV offering, U-verse, by the end of the year.

TIME WARNER WITH 100 HD CHANNEL IN NY

Time Warner Cable now offers 100 High-Definition channels in New York City. The HD lineup in New York includes an HD Movies On Demand feature and StartOver, which enables customers to restart a program in progress from the beginning. Time Warner offers roughly 60 HD channels free with its digital cable package. The remaining channels must be purchased with premium movie channels or other programming packages.

17 MILLION HDTV HOUSEHOLDS DO NOT WATCH HD

17 million households with HDTVs installed do not watch HD programming, according to a new study from research organization In-Stat. Last year, there were 39 million households in the United States that owned HDTVs, of which 22 million are considered HDTV households or those owning HD-capable sets and receiving and watching HD programming. According to In-Stat, last year saw a 40 percent uptake in the number of households choosing to receive HD programming.

SPACE SYSTEMS/LORAL TO BUILD INTELSAT 17 SATELLITE

Space Systems/Loral (SS/L) has finalized a previously announced satellite contract award to provide a new spacecraft to Intelsat. Intelsat 17 is a C- and Ku-band spacecraft which is to be available for launch in 2010 and will be located at 66 degrees East, where it will replace Intelsat 704.

LATIN AMERICA

ARGENTINA

TELEFONICA LAUNCHES VOD TESTS

Telefonica Argentina has started testing a VOD system over the IPTV network with 100 clients in Buenos Aires. It includes movies, children's programmes, weather information and karaoke. Clients are able to access a content library on either their computer or TV set, via the installation of a modem and a set-top box. A launch date has yet to be named.

TELPIN LAUNCHES IPTV SERVICE

Telecommunications operator Cooperativa de Telefonos de Pinamar (Telpin) now offers IPTV services in the country. Telpin is operating an internet television portal called Telpin TV, offering VOD content such as local news, music and general interest shows. Although telecom operators are currently prohibited from entering the pay-TV sector, they can launch VOD services until the legislation is modified.

COLOMBIA

UNE ENDS 2008 WITH 30.000 IPTV SUBSCRIBERS

Telecommunications operator UNE EPM ended 2008 with 30.000 subscribers for its IPTV service, one year after launch. It is now aiming to reach around 150.000 by the end of this year. Une is using Orca Interactive middleware, Verimatrix CAS and set-top boxes from Sagem, integrated by local supplier Grupo Unión. UNE is now focused on expanding the service into other regions of



YOUR Satellite and Internet Radio Station "Radio to Your Ears"

Listen to Original Radio Programs, Podcasts and Free-Talk Radio, Surrounded by the Great Sound of Big Bands, Swing and Oldtime Jazz

ACCESS AMERICA

ON AIR

www.access-america.net

GALAXY 19 263.0° East

Ku-Band
38 46 50

<http://www.SatcoDX7.com/2630>
Coverage Code GXY019KB

©2008 by SatcoDX

Galaxy 19 Ku-Band (formerly Galaxy 25, Telstar 5 and IA 5)
Transponder: 23
Polarity: Vertical (V)
Frequency: 12.115 MHz
Symbol Rate: 22.425
FEC: 3/4
Audio PID 1794 E



TEHNIC B

B-dul 16 Decembrie Nr. 41
Timisoara, Romania
tel: 0040 356 006000
fax: 0040 356 006003
mail: tehnicb@rdstm.ro
web: www.tehnicb.ro



OFFSET SATELLITE ANTENNA, STEEL
60 / 70 / 80 / 90 cm



DIGILINE SINGLE LNB



THB-SAT TWIN LNB



WALLMOUNT SPD 21 cm



WALLMOUNT SPL 38 cm



INTELSAT-HOTBIRD
DOUBLE LNB HOLDER



DISEQC 2/1 SWITCH



TELEMANN 1600
DIGITAL SATELLITE METER



THB-SAT RG-6U COAX CABLE
ROLL 100m or 300m



F-CONNECTOR (100 Pc)

The products can be branded. In case of larger order the products will be delivered free of charge.

Colombia, including Bucaramanga and Cartagena, as well as focusing on the capital of Bogota.

NETHERLAND ANTILLES

UTS CURACAO DELIVERS MORE HD WITH RGB NETWORKS

United Telecommunication Services (UTS), the parent company of TDS, the wireless cable service provider servicing the Dutch islands of Curaçao and Bonaire, has deployed RGB's Broadcast Network Processor (BNP) as a key element of its next-generation video delivery network. Working with Divitel, RGB's system integration partner in the Netherlands, UTS has migrated its TDS system to a fully digital, IP-based platform. RGB's BNP, offering high density grooming, statistical multiplexing and transrating, enables UTS to offer their subscribers in Curaçao and Bonaire a number of new services, including significantly more high definition (HD) channels at extremely high quality.

URUGUAY

ANTEL TO LAUNCH IPTV

Telecommunications operator Antel will launch IPTV services during the first quarter of 2009, according to local media reports. Antel's vice president, Gonzalo Perera, said the company has been working on the launch and already has the necessary equipment to deliver the service, which would be the country's first IPTV offering.

ASIA

MIDDLE EAST SATELLITE REVENUES TOP US\$ 752 MILLION

The Middle East and North Africa (MENA) has become one of the most dynamic emerging

markets for satellite and broadcast use, according to a recent study by Euroconsult and The London Satellite Exchange. Transponder demand throughout MENA has risen 12 per cent per year for the last five years. Commercial satellite-lease revenues have grown by 17 per cent per year on average since 2003, reaching US\$ 752 million in 2007. The report states that 42 per cent of Ku-band satellite usage within the MENA region was from TV and radio broadcasts, while the remainder was made up from voice and data traffic.

JAPAN HDTV LEADER IN ASIA

Of the 50 million total TV households in Japan, almost 17 million have HDTV, according to a study by IMS Research. In contrast, there are 400 million total TV households in China, but HDTV is only just beginning to be rolled out. Japan's uptake of HDTV has been driven by Japan Broadcasting Corp. (NHK), the country's sole public broadcaster. NHK has introduced HD via free satellite, thus creating a demand for the programming, although NHK also delivers digital terrestrial with additional HD programming as a pay service. China's uptake of HDTV may be driven more by cable. The country's primary video provider is China Central TV (CCTV), the state-owned broadcaster, which is slowly transitioning from analog to digital terrestrial. There is no direct broadcast satellite (DBS) operator in the country.

SMARTSAT FIRST PRIVATE SATELLITE COMPANY

An alliance of Jordanian and Kuwaiti companies announced in February the launch of a USD 500 million firm, which will be the MENA region's first private company specialised in the satellite industry. The new UAE-based company has been named SmartSat and will be headquartered in Dubai Studio City. SmartSat will offer

its new services by launching the Arab World's first private satellite that will serve the MENA region. The company will thus contribute in the development of the quality of services for the region's internet service providers (ISPs), GSM providers, broadband technology solutions providers, television stations, and ministries of communication, military agencies and companies dealing with data systems among others.

ASTRIUM AND THALES TO DELIVER NEW ARABSAT SATELLITES

Arabsat has selected the consortium of Astrium and Thales Alenia Space to build and deliver in orbit two new satellites, Arabsat 5C and Arabsat 6B. Astrium will supply the Eurostar E3000 platforms and integrate the satellites. Thales Alenia Space will design and build the communications payloads. Arabsat-5C will feature 26 active transponders in C-band and 12 in Ka-band at the position 20°E. Arabsat-6B will be co-located with the rest of Arabsat's BADR constellation at its 26° East "hot-spot" and will feature 36 active transponders in Ku-band.

CHINA

ZHUJIANG DIGITAL OPTS FOR MICROSOFT MEDIAROOM

Guangzhou Digital Media Group has formally launched Zhujiang Digital, a connected TV service powered by the Microsoft Mediaroom IPTV platform. This is the first Mediaroom-enabled TV service to launch in China and the first time Mediaroom has been delivered over a cable network anywhere in the world. The new service, available to residents in the Guangzhou region of China, also includes the first deployment of the Mediaroom Anytime feature set, which will let subscribers access previously

aired shows from their Interactive Program Guide and immediately restart currently airing programs without any preplanning or prior DVR.

IPTV SUBSCRIBERS UP 100 PERCENT IN 2008

According to CCID Consulting, China's number of IPTV subscribers grew rapidly, up 100% year-on-year, thanks mostly to China Telecom's vigorous promotion. Because of Shanghai Telecom's free promotion, its number of subscribers saw rapid growth.

INDIA

BHARTI AIRTEL LAUNCHES IPTV SERVICES

Bharti Airtel has become the first private operator to launch its IPTV services under the brand—Airtel Digital Television. The one-time activation fee is Rs 3999, with two packages available: Rs 999 per month for 135 channels, a broadband connection and a landline connection, while the second package costs Rs 599 and comes bundled with 117 channels and a broadband connection.

BSNL ANNOUNCES INTERACTIVE TV ON IPTV

BSNL has announced the nation-wide launch of interactive, personalized TV and video services for its customers in collaboration with Smart Dig. These services, which would be offered via the IPTV platform or cable TV on broadband, would enable users to watch programmes as per their convenience from over 140 TV channels. BSNL will also offer customers an extensive movie library with Hollywood and Bollywood titles at no extra cost, the company said. BSNL has around 38 million landline users and hopes that one-fourth of them will subscribe to the IPTV platform.

INDONESIA

RUSSIAN COMPANY TO BUILD TELKOM 3 SATELLITE

PT Telekomunikasi Indonesia, is close to signing a deal with a Russian firm on a third satellite project, called Telkom 3, according to local media reports. The Russian company Information Satellite Systems, or Reshetnev, had won the tender to build and launch the Telkom 3 satellite in mid-2011, at an undisclosed cost of less than US\$ 200 million. The new satellite, which will have 18 transponders, will replace the Telkom 2 satellite and be used for the TelkomVision pay-TV service, data and Internet transmissions, and applications for earth observation.

MOROCCO

MAROC TELECOM WITH 10,000 IPTV SUBSCRIBERS

Maroc Telecom ended 2008 with 10,000 subscribers for its IPTV services, while its fixed-line subscriber base fell 2.8% year-on-year to reach 1.299 million lines. The number of fixed Internet access lines totalled 482,000 at the end of last year, up 1.3% from end-2007. Maroc Telecom introduced its IPTV service in August 2006, based on a platform supplied by Huawei.

THE PHILIPPINES

PLDT TO LAUNCH DTH SERVICE

The Philippine Long Distance Telephone (PLDT) Group has nearly completed the preparations for the forthcoming launch of its DTH satellite-TV

service. The group has allocated about P700 million to jumpstart its DTH satellite TV project in the country. It has tapped SES New Skies to provide satellite transponders on the NSS-11 satellite. The DTH service will initially offer 24 channels.

SOUTH KOREA

LG DACOM LAUNCHES IPTV SERVICE

LG Dacom commercially launched its IPTV service, myLGtv, in Seoul and the surrounding area in January. The service seeks to differentiate itself from its bigger rivals using high video quality and user-friendly interfaces. Viewers are able to order products on home shopping channels and will be able to search the internet while watching live television. LG Dacom offers 24 IPTV channels, including four terrestrial channels such as KBS, MBC, SBS and EBS, and plans to increase the number to 60 by the end of March. myLGtv offers English and Korean subtitles for movies, documentaries and children's programs on its VOD channel. Viewers are also able to adjust the playback speed of videos.

SK BROADBAND SEEKS IPTV LEADERSHIP SPOT

SK Broadband is seeking to reclaim its leadership in the IPTV market after it launched commercial IPTV services in January. SK introduced preliminary IPTV services in 2006, but ceded the top spot to rival KT. SK Telecom acquired the No. 2 fixed line provider SK Broadband last year, giving the firm much needed clout. To help sell its IPTV service, SK Broadband has bundled its IPTV other fixed-line services with SK Telecom's mobile services to improve price competitiveness. SK Broadband will also expand its customer choice

**Aluo-Sat
Satellite Consulting Service for China
Import/Export from China**



Luo Shi Gang,
Owner and Chief Consultant
of Aluo-Sat



Aluo-Sat is a well-established consulting team cooperating with satellite companies in mainland China. Contact us if you want to enter China market, or if you want to export out of China.

CHINA MARKET IS OPENING!

by offering content owned by SK Group, which has several media affiliates. KT's IPTV service, dubbed Mega TV, has 800.000 subscribers, while SK Broadband's Broad & TV has 780.000 and LG Dacom's myLgtv has 65.000.

TAIWAN

CHT MOD ENDS 2008 WITH 600.000 IPTV SUBSCRIBERS

Taiwan's largest telecommunications company, Chunghwa Telecom (CHT), closed 2008 with over 600.000 subscribers for its IPTV service, which launched in 2005. CHT's MOD is provided via its ADSL network, subscribers are provided with rental set-top boxes to select and receive programs. In addition to broadcast TV channels, CHT MOD offers on-demand services for movies, TV series and anime titles.

VIETNAM

VTC LAUNCHES HDTV CHANNELS VIA SATELLITE

The Viet Nam Multimedia Corporation (VTC) launched the second generation digital television receiver and the first ever HDTV channels in Vietnam during January. All channels are broadcast through the national satellite VINASAT-1, which was launched in April 2008. The new product services, which were researched and produced by VTC, will serve the demands of Vietnamese people nationwide with 40 special digital television channels, including 8-HDTV channels and 32 SDTV channels. The satellite's footprint covers Viet Nam, Laos, East Asia, India and Australia. HDTV receivers are now sold on the domestic market for over VND3.5 million (US\$ 205.8) each.

AUSTRALIA & PACIFIC

AUSTRALIA

MYKP TO TRIAL IPTV SERVICES

Sydney-based ISP myKP plans to start trialling IPTV services, according to local media reports, quoting company director George Kaloudis. No planned start date was given for the trials, but Kaloudis added that the ISP is "in discussions with several international content suppliers working through licensing agreements". The company is expected to focus particularly on rural areas which lack a variety of media outlets.

NEW ZEALAND

SKY SELLS 54.000 HD BOXES IN 2008

Sky Television surpassed its sales target for the MySky HDi high definition satellite TV receivers. Although the company projected to sell around 40.000 units it ended 2008 by selling 54.000, putting it neck and neck with free, state-funded rival Freeview, which boasts sales of just over 52.500. As a result, Sky is well on track to reach the 80,000 first year sales projection, if not exceed it. The company attributes the success of the HD launch to the penetration of HD capable sets, competition with Freeview raising HD awareness and the recession keeping people at home.

AFRICA

INTELSAT TO LAUNCH NEW DAWN IN 2010

A US\$ 250 million telecommunications satellite dedicated to supplying telecommunications services to Africa is to be built over the next two years and launched in the fourth quarter of 2010. Over half of the capacity of the new satellite has already been sold to major clients, including Gateway Communications, Gilat Satcom, Vodacom and Zain Nigeria. Named New Dawn, the satellite will be operated by Intelsat in a joint venture with a consortium of African investors, led by South Africa's Convergence Partners and Altirah Telecoms. New Dawn will be equipped with 52 equivalent 36 MHz transponder units, divided into 28 C-Band and 24 Ku-Band units. Africa's first dedicated telecommunications satellite, Nigerian owned and operated NigComSat-1 in November 2008 after only 22 months in orbit.

WORLD

HDTV INTEROPERABILITY TESTS TO START IN JUNE

The World Broadcasting Unions International Satellite Operations Group (WBU-ISOG) and 11 vendors of HDTV MPEG-4 decoders/encoders have agreed to begin interoperability testing to ensure that HD video feeds are transmitted seamlessly. Formal tests will begin on 8 June 2009 and will be conducted by Telesat in Canada. The 11 vendors are ATEME, Comtech TV, Evertz Microsystems, Fujitsu, Harmonic, International DataCasting, NTT Electronics Corporation, Scopus Video Networks, Sencore, Tandberg Television and Thomson.



NanoXX 9500HD / 9800HD

HDTV and SDTV Satellite Reception of Premium Quality

- + Outstanding super sharp picture both in MPEG-4 and MPEG-2 transmissions
- + High resolution upscaling of SDTV (PAL) to 720p or 1080i via HDMI
- + High resolution OnScreen Graphics designed for HDTV Flat Screens
- + USB2.0 with PVR Function for Digital Video Recording to an external USB2.0 Harddisk (to be connected optional)
- + Record 2 channels and watch a 3rd channel (also Timeshift) from the same transponder at the same time (9500HD) or from different transponders using a NanoXX 9800HD with 2 DVB-S2 Tuners.
- + Ethernet RJ45 for Software Upgrades, FTP File Transfer for copying files via LAN from/to the connected USB2.0 device (also Memory Stick)
- + Videostreaming Server-Client integrated. Watch a recorded movie stored at the USB harddisk via ethernet using a second NanoXX HD-Receiver connected to the network.
- + Integrated Mediaplayer: Playback AVI (XVID), JPG and MP3 files from the connected USB2.0 device
- + 2 Common Interface Slots and 1 Smart Card Reader for Conax, X-Crypt, DG-Crypt, Firecrypt, Crypton
- + HDMI Ver. 1.2, S-VHS, YPbPr RGB Outputs, S/PDIF optical&coaxial, Audio-Video-Cinch, 9800HD: eSATA

NanoXX 9500HD-C

HDTV and SDTV Cable Reception of Premium Quality

- + Outstanding super sharp picture both in MPEG-4 and MPEG-2 DVB-C transmissions (Cable)
- + Same specifications as the NanoXX 9500HD for satellite reception but DVB-C Tuner

Product Informations @ YouTube

<http://www.nanoxx.info>

<http://www.youtube.com/Nanoxxdotinfo>

NanoXX Product Range

- NanoXX 9300C (Cable Receiver)
- NanoXX 9400 (Satellite Receiver)
- NanoXX 9500HD (HDTV USB-PVR Sat.-Receiver)
- NanoXX 9500HD-C (HDTV USB-PVR Cable-Rec.)
- NanoXX 9600IP (IP-PVR Sat.-Receiver)
- NanoXX 9800HD (Twin-HDTV USB-PVR Sat.-Rec.)

Software und FAQ

Firmware Upgrades & Tools:

<http://www.nanoxx.info/download>

Frequently Asked Questions (FAQ):

<http://www.nanoxx.info/faq>

Distribution

We are looking for reliable distributors for the following countries:

Bulgaria, Cyprus, Czech Rep., Denmark, Estland, Finland, France, Greece, Hungary, Ireland, Italy, Lithuania, Malta, Makedonia, Norway, Poland, Portugal, Russia, Romania, Serbia, Slovakia, Slovenia, Spain

Please contacts us via email:

info@nanoxx.info

Feel free to make an appointment

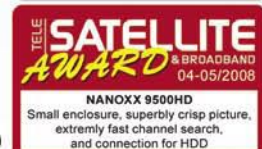
on our stand at Anga Cable Show 2009!

Next Exhibition

ANGA Cable Cologne Germany

26. - 28. May 2009

Hall 10.2, Stand No. L30



Exhibition Preview

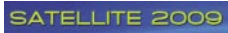
- **21 - 23 March: CCBN 2009**

The 17th China Content Broadcasting Network Exhibition
China International Exhibition Center, Beijing, China
www.ccbn.tv



- **25 - 27 March 2009: Satellite 2009**

Exhibition for Satellite Enabled Communication
Walter E. Washington Convention Center, Washington, USA
www.satellite2009.com



- **25 - 27 May 2009: MECOM 2009**

Middle East Communications Exhibition, Forum, TV
Abu Dhabi National Exhibition Centre, Abu Dhabi, UAE
www.mecomexpo.com



- **26 - 28 May 2009: ANGACABLE 2009**

Tradefair for Cable, Broadband and Satellite
Koelnmesse, Cologne, Germany
www.angacable.com



- **16 - 19 June 2009: CommunicAsia 2009**

20th International Communications and Information
Technology Exhibition & Conference
Singapore Expo, 1 Expo Drive, Singapore 486150
www.communicasia.com

- **26 - 28 August 2009: SET 2009**

18th Broadcast & Cable International Fair
Centro de Exposições, Rod. dos Imigrantes
04329-900 São Paulo (SP), Brasil
www.broadcastcable.com.br



- **11 - 15 September 2009: IBC 2009**

Latest technology and foremost business ideas in
broadcasting and media
RAI, Amsterdam, The Netherlands
www.ibc.org

- **6 - 11 October 2009: CeBIT Eurasia**

ICT Trade Show
Tüyap Fuar ve Kongre Merkezi
E5 Karayolu, Gürpınar Kavşağı, 34522 Büyükçekmece
İstanbul, Turkey
www.cebitbilisim.com



- **21 - 23 October 2009: EEBC 2009**

7th Eastern Europe Exhibition and Conference in
Telecommunications and Broadcasting
Exhibition Centre "KyivExpoPlaza", Kiev, Ukraine
www.eebc.net.ua



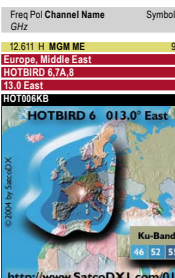
TELE-satellite Deadlines

Editorial Deadlines, Magazine Publishing Dates

<i>Number</i>	<i>Issue</i>	<i>Deadline</i>	<i>Hardcopies</i>	<i>Available Online</i>
#211	06/2009	3 April 2009	15 May 2009	29 May 2009
#212	08/2009	5 June 2009	17 July 2009	31 July 2009
#213	10/2009	7 August 2009	18 September 2009	2 October 2009
#214	12/2009	2 October 2009	13 November 2009	18 December 2009
#215	02/2010	4 December 2009	15 January 2010	29 January 2010

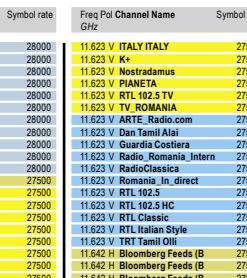
SatcoDX Global Satellite Chart 04/2009

Table with columns: Freq Pol Channel Name, Symbol rate GHz, Freq Pol Channel Name, Symbol rate GHz. Includes Europe, H0706BK, and H0706BK sections.



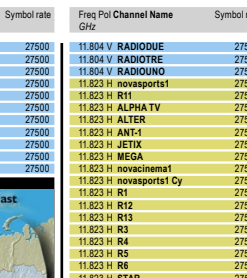
http://www.SatcoDX.com/0130 Coverage Code H0706BK

Table with columns: Freq Pol Channel Name, Symbol rate GHz, Freq Pol Channel Name, Symbol rate GHz. Includes H0706BK, H0706BK, and H0706BK sections.



http://www.SatcoDX.com/0130 Coverage Code H0706BK

Table with columns: Freq Pol Channel Name, Symbol rate GHz, Freq Pol Channel Name, Symbol rate GHz. Includes H0706BK, H0706BK, and H0706BK sections.



http://www.SatcoDX.com/0130 Coverage Code H0706BK

Table with columns: Freq Pol Channel Name, Symbol rate GHz, Freq Pol Channel Name, Symbol rate GHz. Includes H0706BK, H0706BK, and H0706BK sections.

Communications for Enterprise

The largest gathering of the region's
Operators and Service Providers doing
business with their enterprise customers



MECOM 2009

Middle East Communications

exhibition . forum . tv

25-27 May 2009

Abu Dhabi National Exhibition Centre
Abu Dhabi, UAE

connect
Strategic Telecoms Summit

MECOM
CEO Forum



Your gateway to the Middle East
- one of the **fastest growing**
telecoms markets in the world

Reserve your space TODAY!

For more information and exhibiting, contact the MECOM team on:

Tel. +971 4 407 2583 or email at mecom@iirme.com

www.mecomexpo.com



Organised by:

Media Partners

computernews
MIDDLE EAST

NetworkWorld
MIDDLE EAST

TELECOM Review

Online Media Partners

Juniper
research

IIR MIDDLE EAST
an Informa business

Comm

SATELLITE

Teletimes
International

تكنولوجيا واتصالات
TECHNOLOGY & TELECOMMUNICATION

GLOBALRESOURCES

Developing
TELECOMS

NOZZ.com

IT Insight

EXTENDED
BUSINESS
GROUP
THE INSIDE EDGE

SatCoDX Global Satellite Chart 04/2009

Freq Pol Channel Name	Symbol rate	GHz	Freq Pol Channel Name	Symbol rate	GHz	Freq Pol Channel Name	Symbol rate	GHz	Freq Pol Channel Name	Symbol rate	GHz	Freq Pol Channel Name	Symbol rate	GHz
12.226 V IBB VOA RFERL Rad	27500	12.226 V IBB VOA RFERL Rad	27500	12.226 V IBB VOA RFERL Rad	27500	12.226 V IBB VOA RFERL Rad	27500	12.226 V IBB VOA RFERL Rad	27500	12.226 V IBB VOA RFERL Rad	27500	12.226 V IBB VOA RFERL Rad	27500	12.226 V IBB VOA RFERL Rad

RemoteMan.TV



16 preset dishes and 2 movable 3.2m dishes in Bangkok, Thailand



www.remoteman.tv

Remoteman are your remote people on the ground based in Bangkok, Thailand providing satellite services for you without the need of actually have people, offices and infrastructure on the ground and specializing in high end remote monitoring services.

As part of the Solutions Factory group we provide you with the ability of remote monitoring your content, recording or clipping services and so much more...

We have S, C and Ku band access to most satellites from 30e to 172e

Leasing transponder time for your content? Need the transponder monitored in real-time from Thailand? We can provide these services with our dedicated transponder to web monitoring services for you.

fax: +662.390.2589 | phone: +668.1830. 6401 | email: info@remoteman.tv | Skype: remoteman.TV |

11.720 H Die Neue Zeit TV	27500
11.720 H EWTV Europe	27500
11.720 H RTL Shop	27500
11.720 H TIMM TV	27500
11.720 H Voyages Television	27500
11.720 H XHOME	27500
11.720 H YAVOID CLIPS	27500
11.797 H EUROSPORT HD	27500
11.797 H Nova HD	27500
11.797 H JOJ PLUS	27500
11.797 H TV Barrandov	27500
11.797 H TV JOJ	27500
11.797 H Z1	27500
11.856 V see HD	27500
11.856 V NGC HD	27500
11.856 V BravaHD TV	27500
11.856 V Discovery HD	27500
11.856 V MelodyZenTV	27500

North Africa, Middle East
EUROBIRD 2
23.5 East
EURO27FB

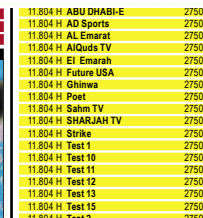


11.075 H AL RYADIYAH	27500
11.075 H AMERICA PLUS	27500
11.075 H C-SPAN	27500
11.075 H CNBC-US	27500
11.075 H FOX NEWS	27500
11.075 H MUSIC NOW	27500
11.075 H ORBIT NEWS 2	27500
11.075 H P7est	27500
11.075 H SUPER COMEDY	27500
11.075 H Al Habeeb TV	27500
11.075 H Al Hayat Series	27500
11.075 H Al Lubnania 128	27500
11.075 H Atlas 128	27500
11.075 H Awal TV	27500
11.075 H DM TV 128	27500
11.075 H Family One	27500
11.075 H Harmony TV	27500
11.075 H MARHABA	27500
11.075 H NJOJOM 4	27500
11.075 H Saja	27500
11.075 H Talemah	27500
11.075 H WATANI	27500
11.075 H WTV 128	27500
11.075 H BBC ARABIC	27500
11.075 H BBC ENGLISH	27500
11.075 H CLASSICAL	27500
11.075 H COUNTRY OF BLUES	27500
11.075 H DANCE	27500
11.075 H GMA DZBB	27500
11.075 H HITS	27500
11.075 H JAZZ	27500
11.075 H KHALIYATV	27500
11.075 H LITE FM	27500
11.075 H LOVE SONGS	27500
11.075 H MONAWAT	27500
11.075 H MONTE CARLO	27500
11.075 H MOTOWN	27500
11.075 H POP	27500
11.075 H R&B	27500
11.075 H ROCK	27500
11.075 H SUPER GOLD	27500
11.075 H TARABYAT TV	27500
11.075 H VIRGIN RADIO	27500
11.075 H Vmax FM 128	27500
11.096 H C-MUSIC	27500
11.096 H DISCOVERY CHANNEL	27500
11.096 H DISCOVERY SCIENCE	27500
11.096 H DISNEY PLAYHOUSE	27500
11.096 H EURONEWS	27500
11.096 H EXTREME SPORTS	27500
11.096 H KODU CHANNEL	27500
11.096 H MML TV	27500
11.096 H NICKELODEON	27500
11.096 H TRACE	27500
11.096 H P7est	27500
11.096 H XTRA MOVIES	27500
11.146 H MTV ARABIA	27500
11.146 H SAT	5185
11.146 H Terrestrial	5185
11.151 V GPTC	2220
11.585 V Discovery-Science	27500
11.585 V Fox Sports	27500
11.585 V AL JADEED	27500
11.585 V ATLAS TV	27500
11.585 V AWAL TV	27500
11.585 V DM TV	27500
11.585 V Fox News	27500
11.585 V LBC-Europe	27500
11.585 V QTV	27500
11.604 H ANIMAL PLANET	27500
11.604 H BBC PRIME	27500
11.604 H CINEMA CITY*1	27500
11.604 H DISNEY CHANNEL	27500
11.604 H ORBIT NEWS	27500
11.604 H AMERICA PLUS *2	27500
11.604 H BOOMERANG	27500
11.604 H CARTOON NETWORK	27500

11.604 H CNNI	27500
11.604 H DISCOVERY CHANNEL	27500
11.604 H DISCOVERY T&L	27500
11.604 H FOX SPORTS	27500
11.604 H SUPER COMEDY *2	27500
11.604 H TOON DISNEY	27500
11.604 H e-GMA DZBB	27500
11.604 H e-KHALIYATV	27500
11.604 H e-MONAWAT	27500
11.604 H e-TARABYAT	27500
11.623 V test	27500
11.623 V Al Athar 156	27500
11.623 V Al-Aqsa	27500
11.623 V ALKHALTV	27500
11.623 V Auto one TV	27500
11.623 V Bin-Othaimen	27500
11.623 V Jasco	27500
11.623 V MART	27500
11.623 V NOOR AL HODA	27500
11.623 V Oscar Drama	27500
11.623 V Sada Al Islam	27500
11.623 V Salwa	27500
11.623 V SANA	27500
11.623 V Tour Al-Jannah	27500
11.623 V WESAL	27500
11.635 H Fann	14468
11.635 H Mkis Feed	14468
11.635 H Music Now	14468
11.635 H Salwa	14468
11.662 V AlSamarra	27500
11.662 V Arral	27500
11.662 V Auto One	27500
11.662 V Bahrain TV	27500
11.662 V HADI.TV	27500
11.662 V IRAQ Economic	27500
11.662 V Karbla	27500
11.662 V Mlbah-Art vision	27500
11.662 V Nour TV	27500
11.662 V Shabbabek	27500
11.662 V Stock TV	27500
11.662 V Supreme master	27500
11.662 V EI Nour Radio	27500
11.681 H AL SAIWA	27500
11.681 H AL YAWM	27500
11.681 H CINEMA 1	27500
11.681 H CINEMA 2	27500
11.681 H FANN	27500
11.681 H GMA LIFE TV	27500
11.681 H GMA Pinoy TV	27500
11.681 H HISTORY CHANNEL	27500
11.681 H HOLLYWOOD	27500
11.681 H M&A TV	27500
11.681 H PINOY EXTREME	27500
11.681 H SERIES*4	27500
11.681 H SUPER MOVIES*1	27500
11.681 H TCM	27500
11.681 H GMA DZBB FM	27500



11.727 H Algeria	27500
11.727 H Booyot Motmaena	27500
11.727 H Eritrea	27500
11.727 H Mauritania	27500
11.727 H Hannibal	27500
11.727 H Libya Sport (Radia)	27500
11.727 H Libya TV	27500
11.727 H Morocco TV	27500
11.727 H Tunisia 21	27500
11.727 H Algeria R1	27500
11.727 H Algeria R2	27500
11.727 H Eritrea R1	27500
11.727 H Mauritania R1	27500
11.727 H R-Tunisie-Culture	27500
11.727 H R-Tunisie-Internet	27500
11.727 H R-Tunisie-National	27500
11.727 H Zifouna Tunisie	27500
11.747 V A Thuraya	27500
11.747 V AAKAR	27500
11.747 V Al Jawhar TV	27500
11.747 V Alkawhar	27500
11.747 V ASNshop	27500
11.747 V Oman	27500
11.747 V Dyon Jeddah	27500
11.747 V Saudi 1	27500
11.747 V Saudi 2	27500
11.747 V Tayba TV	27500
11.747 V ORF Radio	27500
11.747 V OMAN ENGLISH PROG	27500
11.747 V OMAN GENERAL PROG	27500
11.747 V OMAN YOUTH PROGRA	27500
11.747 V Radio RMC	27500
11.747 V Saudi 2 R1	27500
11.747 V Saudi R2	27500
11.785 V Al Shop	27500
11.785 V EI Emrah	27500
11.785 V Future USA	27500
11.785 V Ghinwa	27500
11.785 V Sahn TV	27500
11.785 V Strike	27500
11.785 V Test 10	27500
11.785 V Test 11	27500
11.785 V Test 12	27500
11.785 V Test 13	27500
11.785 V Test 15	27500
11.785 V Test 16	27500
11.785 V Test 6	27500
11.785 V Test 8	27500
11.804 H Al Shop	27500
11.804 H ABU DHABI-A	27500
11.804 H AD Sports	27500
11.804 H DISCOVERY TV	27500
11.804 H FOX Sports	27500
11.804 H e-KHALIYATV	27500
11.804 H H Sahm TV	27500
11.804 H Future USA	27500
11.804 H SHARAJAH TV	27500
11.804 H Strike	27500
11.804 H Test 1	27500
11.804 H Test 10	27500
11.804 H Test 11	27500
11.804 H Test 12	27500
11.804 H Test 13	27500
11.804 H Test 15	27500
11.804 H Test 2	27500
11.804 H Test 3	27500
11.804 H Test 4	27500
11.804 H Test 6	27500
11.804 H Test 8	27500
11.804 H Training	27500
11.804 H ABU DHABI RADIO	27500
11.804 H AD RADIO 1	27500
11.804 H ALAIN Athaan	27500
11.804 H ALATHAN Radio	27500
11.804 H EMARAT FM	27500
11.804 H Fajarah Athaan	27500
11.804 H LWA Athaan	27500
11.804 H QURAN GARIM	27500
11.804 H SHARAJAH RADIO	27500
11.804 H SOWT ALMUSICA	27500
11.843 H Info.Mohammad	27500
11.843 H Rotana Cinema	27500
11.843 H Rotana Clip	27500
11.843 H Rotana Khaliji	27500
11.843 H Rotana Music	27500
11.843 H Rotana Tarab	27500
11.843 H Rotana Zaman	27500
11.843 H Test	27500
11.843 H test	27500
11.862 V Alpha Shop	27500
11.862 V AL JAZEERA CHILD	27500
11.862 V Montada	27500
11.862 V Najah	27500
11.862 V Oman TV2	27500
11.862 V Rawa	27500
11.862 V Scope TV	27500
11.862 V Sharya TV	27500
11.862 V Test 4	27500
11.862 V Test 4	27500
11.862 V Saudi Radio-1	27500
11.862 V Saudi Radio-2	27500
11.862 V Yara TV	27500
11.862 V ALKAWTHAR Radio	27500
12.015 V Oman Karim	27500
12.015 V Saudi Sport	27500
12.015 V Saudi TV	27500
12.015 V Saudi-2	27500
12.015 V European	27500
12.015 V Holy Quran	27500
12.015 V Radio-5	27500
12.015 V Saudi Radio-1	27500
12.015 V Saudi Radio-2	27500



11.823 V Future News	27500
11.823 V Future TV	27500
11.823 V Future USA	27500
11.823 V LBCI	27500
11.823 V OTV	27500
11.823 V Star Academy	27500
11.823 V TeleLiban	27500
11.823 V test 5	27500
11.823 V Thane Express	27500
11.823 V Radio EI Nour	27500
11.823 V Radio Orient	27500
11.919 H MBC Int	27500
11.919 H AL-Arabiya	27500
11.919 H MBC Action	27500
11.919 H MBC MAX	27500
11.919 H MBC Persia	27500
11.919 H MBC1	27500
11.919 H MBC3	27500
11.919 H MBC4	27500
11.919 H TXI TV	27500
11.919 H Jordan FM	27500
11.919 H MBC FM	27500
11.919 H MBC FM ER	27500
11.919 H Panjorjorj	27500
11.919 H Panorama TV	27500
11.938 V Al Hurra	27500
11.938 V Al Hurra Iraq	27500
11.938 V Al Hurra TV	27500
11.938 V Ameen	27500
11.938 V AutoOne	27500
11.938 V Habesha TV	27500
11.938 V Bab El Mawada	27500
11.938 V Beatele TV	27500
11.938 V Dione Deal TV	27500
11.938 V Fanoos	27500
11.938 V Radio Sawa Sudan	27500
11.938 V MUSAQAT Al Quran	27500
11.938 V OTV	27500
11.938 V Rayhana TV	27500
11.938 V Rohamaya TV	27500
11.938 V Sharya TV	27500
11.938 H TEST	27500
11.938 V US-Mark	27500
11.938 V El Nour Radio	27500
11.938 V Al Hurra TV	27500
11.938 V Radio Iraq north and	27500
11.938 V Radio Sawa Iraq	27500
11.938 V Radio Sawa Levant	27500
11.938 V Radio Sawa Sudan	27500
11.957 H HD VISIO TV	27500
11.957 H HD VISIO TV HD	27500
11.957 H Melody Zen HD	27500
11.957 H HD VISIO TV2	27500
11.957 H HD VISIO TV2	27500
11.957 H HD VISIO TV HD	27500
11.957 H HD VISIO TV	27500
11.957 H HD VISIO TV HD	27500
11.957 H HD VISIO TV HD	27500
11.957 H HD VISIO TV HD	27500
11.957 H HD VISIO TV HD	27500



11.558 H HD VISIO TV2	27500
11.558 H TEST	27500
11.576 V Al Watan TV	27500
11.576 V Al Jazeera	27500
11.596 H AlAlam	27500
11.596 H AlMustakillah	27500
11.596 H Arabsat Promotional	27500
11.596 H ABC Arabic	27500
11.596 H CNBC Arabia	27500
11.596 H France 24 (in Arabic)	27500
11.596 H Nessma TV	27500
11.596 H Roayya Al-Yaum	27500
11.596 H TEST	27500
11.596 H AlAlam R1	27500
11.596 H AlAlam R2	27500
11.596 H BBC World English	27500
11.596 H BBC World Service	27500
11.596 H CNBC Arabia R1	27500
11.596 H WRN (Sawt AlAlam)	27500
12.034 H AL JAZEERA CHLD	27500
12.034 H AlJazeera	27500
12.034 H JSC	27500
12.034 H JSC Documentary	27500
12.034 H JSC English	27500
12.034 H JSC Mubasher	27500
12.034 H JSC Sport	27500
12.034 H JSC Qatar TV	27500
12.034 H Qatar Radio	27500
12.034 H AL JAZEERA CHILD	27500
12.034 H AlJazeera	27500
12.034 H JSC	27500
12.034 H JSC Documentary	27500
12.034 H JSC English	27500
12.034 H JSC Mubasher	27500
12.034 H JSC Sport	27500
12.034 H JSC Qatar TV	27500
12.034 H Qatar Radio	27500
12.034 H AL JAZEERA CHILD	27500
12.034 H AlJazeera	27500
12.034 H JSC	27500
12.034 H JSC Documentary	27500
12.034 H JSC English	

Satcom2X Global Satellite Chart 04/2009

Freq Pol Channel Name	Symbol rate	Freq Pol Channel Name	Symbol rate	Freq Pol Channel Name	Symbol rate	Freq Pol Channel Name	Symbol rate	Freq Pol Channel Name	Symbol rate	Freq Pol Channel Name	Symbol rate
GHz		GHz		GHz		GHz		GHz		GHz	
12.029 H AL HRMIAN	27500	3.882 H AAKAR	27500	11.739 V Bravo	27500	12.461 H Vegas Pyramid	27500	10.738 V BBC 1 E Mids	20000	11.261 H SportsXbabes	27500
12.029 H AL MOUJANA	27500	3.882 H Al Jawhara	27500	11.739 V Bravo+1	27500	12.461 H WAP Browar 1	27500	10.738 V BBC 1 East	20000	11.261 H Zone Horror	27500
12.029 V ALDFARM Music	27500	3.882 H Bouyot Motemeena	27500	11.739 V Bravo+1	27500	12.461 H WAP Browar 2	27500	10.738 V BBC 1 West	20000	11.261 H Zone Reality+1	27500
12.029 V Dania TV	27500	3.882 H Family TV	27500	11.739 V Bravo	27500	12.461 H WML HighScores	27500	10.788 V BBC 1 Yrks	20000	11.261 H Newstalk	27500
12.029 V EBONY TV	27500	3.882 H Ouyoun Jeddah	27500	11.739 V Challenge	27500	12.461 H WonderPerks	27500	10.788 V BBC 1 Midlands	20000	11.261 H Parabroadcast	27500
12.029 V Fairah Media 12	27500	3.882 H Olm TV	27500	11.739 V DREAM	27500	11.739 V LIVE	27500	10.788 V BBC 1 N. Ireland	20000	11.261 H Sport TV	27500
12.029 V orient	27500	3.882 H Sahraya	27500	11.739 V LIVING	27500	11.973 V Sony TV Asia	27500	10.788 V ETV5	20000	11.307 H Bravo 2	27500
12.029 V QRANNI TV	27500	3.882 H Test1	27500	11.739 V LIVING+1	27500	12.031 H bid tv	27500	10.803 H BBC 1 Wales	20000	11.307 H Challenge+1	27500
12.029 V SAHAR TV	27500	3.882 H Test1	27500	11.739 V Living+2	27500	12.031 H Ideal World	27500	10.803 H BBC 1 Wales	20000	11.307 H LIVING	27500
12.029 V Sharq Al Rasoul	27500	3.882 H Test2	27500	11.739 V LIVE+2	27500	12.031 H Live-drop tv	27500	10.803 H BBC 1 Cymru	20000	11.307 H LIVING+1	27500
12.029 V TEAM TV	27500	3.882 H Thuraya TV	27500	11.739 V Test+1	27500	12.031 H QVC Wale	27500	10.803 H BBC 1 Wales	20000	11.307 H Motors TV	27500
12.029 V Zool TV	27500	3.882 H Yara TV	27500	11.739 V Trouble	27500	12.031 H QVC Music Test	27500	10.803 H BBC 2 Wales	20000	11.307 H MUTV	27500
12.029 V Coast FM	27500	4.040 H AD Sports	27500	11.739 V Trouble+1	27500	12.031 H QVC IMASS Test	27500	10.803 H ETV2	20000	11.307 H UKTV Hstory+1	27500
12.029 V Fairah FM Radio	27500	4.040 H Al Eshbaria	27500	11.817 V Albi	27500	12.110 H QVC Test	27500	11.307 H Virgin 1	27500	11.327 H Over 18	27500
12.111 H Al Eqtisada TV	27500	4.040 H DubaiTV	27500	11.817 V Dave	27500	12.031 H QVC TSNOW	27500	10.803 H BBC RSSX	20000	11.327 H Thomas Cook	27500
12.111 H ALAAH TV	27500	4.040 H Ethiopia	27500	11.817 V Eden	27500	12.110 H SBL	27500	10.818 V BBC 1 NE & C	20000	11.307 H Virgin 1	27500
12.111 H ARIRANG	27500	4.040 H Horea	27500	11.817 V Sky Sports 3	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 Oxford	20000	11.307 H 9X	27500
12.111 H ASHOROQTV	27500	4.040 H IPRS TV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 South	20000	11.307 H AshaTV	27500
12.111 H Decision Makers Tv	27500	4.040 H JORRSTV	27500	11.817 V UKTV History	27500	12.110 H Sky Sports 2	27500	10.818 V BBC 1 S.West	20000	11.307 H BET	27500
12.111 H Dubai Sports 2	27500	4.040 H MEDIA TV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 2	27500	10.818 V BBC 1 S.West	20000	11.307 H High Street TV	27500
12.111 H INFINITY 2	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 South	20000	11.307 H High Street TV	27500
12.111 H INFINITY 2	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Jewellery Ch.	27500
12.111 H JAWNA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H JET	27500
12.111 H SHARQAQVA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Kick Radio	27500
12.130 V 4FUN	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Abuhaty	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Al Eqtisada TV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H ALAAH TV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H ARIRANG	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H ASHOROQTV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Decision Makers Tv	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Dubai Sports 2	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Dubai Racing	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Dubai Sport	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Dubai Sports 2	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Dubai TV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H INFINITY 2	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H INFINITY 2	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H JAWNA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H MARIAS	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Nitat	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H Saana Dubai	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 H SHARQAQVA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.130 V Al Mirad Radio	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.148 H Al-Aadiah	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H ALBAKHADIA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H ALKADIA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H ALRWAAD	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H ANWAJ	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H ARASY	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H Baykhal Nassaya TV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H Daleel	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H FUNOON Plus	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H Haba TV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H Hayastoun TV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H Safa TV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.149 H Whanya	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V Al Dawiyah	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V Ghisat TV	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V MTV ARABIA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V Nickelodeon	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V NOOR DUBAI	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V AL ESMAN	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V SHEBA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V YAMANIA	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 V YEMEN	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R2	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R3	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000	11.307 H Live Street TV	27500
12.167 H YEMEN R4	27500	4.040 H ORRSTV	27500	11.817 V UKTV Food	27500	12.110 H Sky Sports 3	27500	10.818 V BBC 1 West	20000		

DishPointer.com

See where to point your dish, before you climb on the roof!

DishPointer, the state-of-the-art dish alignment and satellite information tool, is now available for commercial companies as a customised solution, programmed to fit individual needs.

**FREE
Widget**

Add DishPointer Lite to your site - it's free!

Give your clients and customers easy access to satellite information, hassle-free and straight to the point. For more information, visit www.dishpointer.com.

TV stations & program providers
Online shops & distributors
Satellite operators
Receiver manufacturers
Professional installers
and many more...

Satellite Dish Pointer / Alignment Calculator with Google Maps

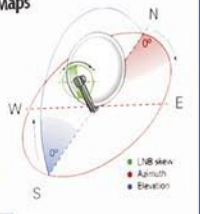
International location: e.g. streetname, postcode, geocode:

London

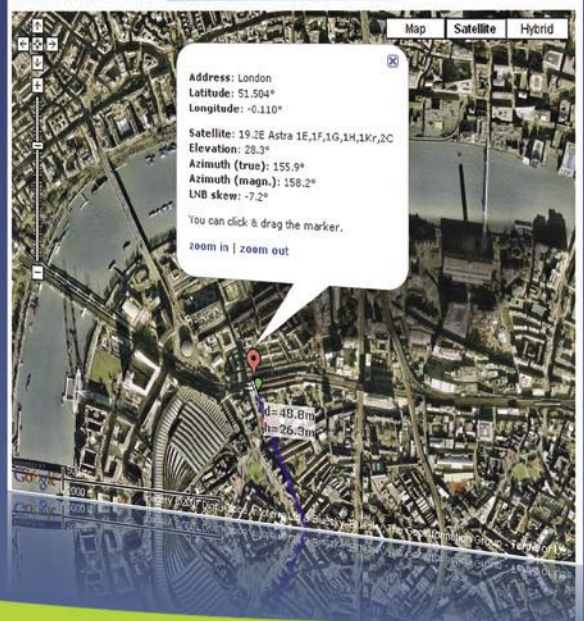
Popular Satellites:

- 28.2E Astra 2A-8-D
- 13.0E Hotbird 6,7A,8
- 19.2E Astra 1E,1F,1G,1H,1K,1R,2C
- 42.0E TurkSat 1C, 2A
- 16.0E Eutelsat W2

- 26.0E Badr-2,3,4/Eurobird 2
- 5.0E Sirius 2,3
- 5.0W Atlantic Bird 3
- 7.0W NileSat 101, 102, Atlantic Bird 4
- 1.0W Intelsat 10-02



All Satellites & Multi-LNB Setups: 19.2E Astra 1E,1F,1G,1H,1K,2C



References



www.dishpointer.com
info@dishpointer.com

12.560 H Satanta Golf	27500
12.560 H Satanta News	27500
12.560 H Satanta Sports1	27500
12.560 H Satanta Sports2	27500
12.560 V Best Direct	27500
12.560 V BestDirect+2	27500
12.560 V Bubble Hits	27500
12.560 V EuroNews	27500
12.560 V O'caseoproperty	27500
12.560 V Real Estate #1	27500
12.560 V Rocks & Co.	27500
12.560 V Thomson TV	27500
12.560 V Travel Channel	27500
12.560 V TravelChannel2	27500
12.560 V Tron Direct 2	27500
12.560 V Wedding TV1	27500
12.560 V Zone Thriller	27500
12.560 V Investigation	27500
11.428 H Brit Shorts	27500
11.428 H -	27500
11.428 H GROOVE	27500
11.428 H HHRO LOWNRG	27500
11.428 H RADIO SHEPHERD	27500
11.428 H WELL CLASS	27500
11.797 H Channel 4 HD	29500
11.797 H Sky Sports HD1	29500
11.797 H SkyReal HD1	29500
12.324 V Sci Fi HD	29500
12.324 V Discovery HD	29500
12.324 V Disney Cine HD	29500
12.607 H Rush HD	27500
12.607 H Gay TV	27500
12.607 H redhot 40+	27500
12.607 H redhot amateur	27500
12.607 H redhot hd	27500
12.607 H redhot fetish	27500
12.607 H redhot girl	27500
12.607 H redhot just X	27500
12.607 H Television X	27500
12.607 H TVX Amateur	27500
12.607 H TVX Brits	27500
12.607 H TVX FFWD	27500
12.607 H Zee Cinema	27500
12.607 H Zee Gujarati	27500
12.607 H Zee Punjabi	27500
12.607 H Zee Family	27500
12.607 H Live XXX	27500
12.607 H Pulse +4mins	27500
12.607 H Zee Muzic	27500

ARABSAT 2B



<http://www.SatcoDX2.com/0305>
Coverage Code: AR40ZBKU

12.582 H ART-SNG2	4220
12.589 H BNSPAC CHANNEL	4220
12.661 V Almajd 05	27500
12.661 V Almajd 06	27500
12.661 V Almajd 07	27500
12.661 V Almajd 08	27500
12.661 V Almajd 09	27500
12.661 V Almajd 10	27500
12.661 V Almajd 11	27500
12.661 V Almajd 12	27500
12.661 V Almajd 13	27500
12.661 V Almajd 14	27500
12.661 V Almajd 01	27500
12.661 V Almajd 02	27500
12.661 V Almajd 03	27500
12.661 V Almajd 04	27500
12.740 V OMAN TV SPECIAL	5084
12.740 V OMAN TV CH	5084
12.740 V OMAN RADIO FEEDS	5084

ASTRA SATD

11.095 V TEMPO-TURK	2222
11.095 V HAMSI-TV	2222
11.095 V BUSINESS	3925
11.226 H CITY FM	27500
11.226 H HUMOR FM	27500
11.226 H KINO FM	27500
11.226 H POMESTNOE	27500
11.226 H TulinTV	27500
11.226 H 107.8	27500
11.226 H AvtoRadio	27500
11.226 H Business FM	27500
11.226 H City FM	27500
11.226 H DOPOHOE	27500
11.226 H Energia	27500
11.226 H G.2	27500
11.226 H Gardarika	27500
11.226 H Radio Alfa	27500
11.226 H Kino FM	27500
11.226 H Piter RS	27500
11.226 H Pomestnoe	27500
11.226 H Radio Alfa	27500
11.226 H Radio Record	27500
11.226 H Radio Vanya	27500
11.226 H Record-2	27500
11.226 H Relax	27500
11.226 H Shanson	27500

EUROBIRD 033.0° East

12.190 L 385 дней	20000
12.190 L Teen TV	20000
12.190 L Автопилс	20000
12.190 L Discovery HD	20000
12.190 L Дом Кино	20000
12.190 L Комедия ТВ	20000
12.190 L Матч и детя	20000
12.190 L Muzo TB	20000
12.190 L Ночной Клуб	20000
12.190 L Олимп	20000
12.190 L Теленяштва	20000
12.226 L Бибигон	27500
12.226 L Весни	27500
12.226 L JTB	27500
12.226 L Kynypura	27500
12.226 L MuzTB	27500

11.175 H Animal Planet

11.175 H GTV	23600
11.175 H Jetix	23600
11.175 H Planeta	23600
11.175 H Premium Digital	23600
11.175 H ART Channel	23600
11.175 H H Estate	23600
11.175 H FolklorTV	23600
11.175 H Kanal 3	23600
11.175 H H-RTV	23600
11.175 H SK FC Logo	23600
11.175 H Zdrave	23600
11.650 V Turf TV	10098
11.685 H AKILLI TV	17360
11.685 H DIGITURK INFO	17360
11.685 H KANAL A	17360
11.685 H SAUDI 1 TV	17360
11.685 H ZDF	17360

EUROBIRD 033.0° East

10.978 V Test	5787
11.098 H TV8 Mont Blanc	2441
11.110 H FOX TURK	3124
11.140 V MTV MUSIC WALLONNE	4851
11.165 V RETE OR	1666
11.596 V BTV	27500
11.596 V MAP TV	27500
11.596 V Radio BNL	27500
11.596 V Radio Carefort	27500
11.596 V Radio GS	27500
11.596 V Radio IperStanda	27500
11.027 V Sci-Fi	8681
11.027 V Universal	8681
11.555 H SATNEWS 02	6400

EUROBIRD 033.0° East

11.721 L Football test	27500
11.721 L Sport 1	27500
11.721 L Sport 2	27500
11.721 L TBI	27500
11.721 L Tramit	27500
11.721 L BIZ TV	27500
11.721 L CHANSON	27500
11.721 L Che-Pe INFO	27500
11.721 L Fiat Automotive	27500
11.721 L Q2TV	27500
11.721 L RUTV	27500
11.721 L TV3	27500
12.072 L Discovery HD	27500
12.072 L Eurosport HD	27500
12.072 L HD-Kino	27500
12.072 L HD-Sport	27500
12.175 L L. TNP	4340
12.190 L 385 дней	20000
12.190 L Teen TV	20000
12.190 L Автопилс	20000
12.190 L Discovery HD	20000
12.190 L Дом Кино	20000
12.190 L Комедия ТВ	20000
12.190 L Матч и детя	20000
12.190 L Muzo TB	20000
12.190 L Ночной Клуб	20000
12.190 L Олимп	20000
12.190 L Теленяштва	20000
12.226 L Бибигон	27500
12.226 L Весни	27500
12.226 L JTB	27500
12.226 L Kynypura	27500
12.226 L MuzTB	27500

12.226 L HTB

12.226 L Петербург 5 канал	27500
12.226 L Реи ТВ	27500
12.226 L Россия	27500
12.226 L Спорт	27500
12.226 L TBU	27500
12.226 L THT	27500
12.226 L ТриколорТВ	27500
12.245 R BBC World News	27500
12.245 R Bloomberg	27500
12.245 R Eurosport 2	27500
12.245 R Nickelodeon	27500
12.245 R Russia Today	27500
12.245 R TVS	27500
12.245 R World Fashion	27500
12.245 R Детский мир/Телеклуб 6	27500
12.245 R RT	27500
12.245 R HTB Мир	27500
12.245 R Наше новое кино	27500
12.283 R 5 канал (Украина)	27500
12.283 R CCTV4	27500
12.283 R ICTV	27500
12.283 R Первы канал. Всмир	27500
12.283 R Время: далеко и бли	27500
12.283 R Мегаспорт	27500
12.283 R HTB	27500
12.283 R Парк развлечений	27500
12.283 R Первый канал. Всмир	27500
12.283 R PIP-Planeta	27500
12.283 R Современное секретно	27500
12.303 L Болс ТВ	27500
12.303 L Домашний	27500
12.303 L Zoo TV	27500
12.303 L Украина	27500
12.303 L Кинопоказ	27500
12.303 L CTS	27500
12.303 L Тонус ТВ	27500
12.303 L Украина	27500
12.303 L А-ONE	27500
12.303 L BRIDGE TV	27500
12.303 L Союз	27500
12.303 L АвтоRadio	27500
12.303 L Energia	27500
12.303 L Humor FM	27500
12.303 L Radio Alfa	27500
12.303 L Воскресенье	27500
12.303 L Новый день	27500
12.322 R Blue Hustler	27500
12.322 R REN-TV	27500
12.322 R Киноград	27500
12.322 R Кто есть кто	27500
12.322 R Наше кино	27500
12.322 R Первый	27500
12.322 R Прямая	27500
12.322 R Спорт	27500
12.322 R Футбол	27500
12.322 L Мироканал	27500
12.341 L АН Sci-Fi	27500
12.341 L Canal+ TV	27500
12.341 L RU-TV	27500
12.341 L Sci-Fi	27500
12.341 L Universal	27500
12.341 L Discovery HD	27500
12.341 L Кинорес 1	27500
12.341 L Кинорес 2	27500
12.341 L Комедия ТВ	27500
12.341 L Discovery Channel	27500
12.360 R Animal Planet	27500
12.360 R CNN	27500
12.360 R Detskiy Mir/Teletelub	27500
12.360 R Discovery Channel	27500
12.360 R EuroKino	27500
12.360 R Fox-Crime	27500
12.360 R HBO/Sci-Fi test	27500
12.360 R Planeta-SPORT	27500
12.360 R Sci-Fi	27500
12.360 R Sport 3	27500
12.360 R Sport 4	27500
12.360 R TEST10	27500
12.360 R TEST11	27500
12.360 R TEST	27500
12.360 R Universal	27500
12.360 R LIT	27500
12.360 R World Fashion Channe	27500
12.360 R Che-Pe.INFO	27500

12.360 R Smash TV

12.380 L Авто Плюс	27500
12.380 L Закон ТВ	27500
12.380 L Иллюзия ТВ	27500
12.380 L Интерное ТВ	27500
12.380 L Комедия ТВ	27500
12.380 L Кухня ТВ	27500
12.380 L Ле-кирор ТВ	27500
12.380 L МНОГООбзорное ТВ	27500
12.380 L Zdrave	27500
12.380 L Eurosport 2	27500
12.380 L Тур Бульвар	27500
12.380 R 24/7OK	27500
12.380 R Fashion TV Network	27500
12.399 R MTV Russia	27500
12.399 R Вести	27500
12.399 R Звезда	27500
12.399 R Kinoskopa	27500
12.399 R Культура	27500
12.399 R НТВ	27500
12.399 R Россия	27500
12.399 R CTS-Москва	27500
12.399 R Спас	27500
12.399 R Спорт on-line	27500
12.399 R TNT	27500
12.418 L ТВ САЛЕ	27500
12.399 R Спорт FM	27500
12.418 L 3 канал	27500
12.418 L Russia Ab-Yaum	27500
12.418 L VNH Russia	27500
12.418 L Бибигон	27500
12.418 L Дом кино	27500
12.418 L ИМП	27500
12.418 L Музыка Первого	27500
12.418 L Петербург - 5 канал	27500
12.418 L ТВЦ	27500
12.418 L ТБЦ	27500
12.418 L Теленя	27500
12.418 L Радио Дети FM TEST	27500
12.437 R NBA-TV	27500
12.437 R MYB TV	27500
12.437 R NCT	27500
12.437 R Наш футбол	27500
12.437 R Ностальгия	27500
12.437 R PTP-Sport	27500
12.437 R Русское Экстремально	27500
12.437 R Спорт Класика	27500
12.437 R Спорт Союз	27500
12.437 R Тенис	27500
12.456 L Animal Planet	27500
12.456 L Discovery	27500
12.456 L Discovery Travel&Liv	27500
12.456 L Euronews	27500
12.456 L Hallmark	27500
12.456 L Jetix	27500
12.456 L Jetix Play	27500
12.456 L Discovery World	27500
12.456 L Music Box	27500
12.456 L National Geographic	27500
12.456 L Zone Romantica	27500
12.476 R Cartoon Network/TCM	27500
12.476 R CN International	27500
12.476 R Discovery Science	27500
12.476 R Discovery HD	27500
12.476 R EuroNews	27500
12.476 R Extreme Sports	27500
12.476 R Jim Jam	27500
12.476 R MIM Int.	27500
12.476 R EuroKino	27500
12.476 R Fox Life	27500
12.476 R Nat Geo Wild	27500
12.47	

Freq Pol Channel Name	Symbol rate	GHz	Symbol rate	GHz	Freq Pol Channel Name	Symbol rate	GHz	Freq Pol Channel Name	Symbol rate	GHz	Freq Pol Channel Name	Symbol rate	GHz	Freq Pol Channel Name	Symbol rate	GHz
PAKSAT 1		12.722		12.017	HABER 7	8150	12.017	HABER 7	8150	12.017	MI Marathi	25000	11.070	LoveWorld	26552	11.070
● 11.029 V Tandberg Service	1759		● 12.722 V (Empty)	30000	12.017 H TGRT Haber TV	8150	12.017 H TGRT Haber TV	8150	12.017 H TGRT Haber TV	8150	● 3.844 H M+Plus	25000	● 11.070 V M+Plus	25000	● 11.070 V M+Plus	25000
● 11.161 V feed 1 (feed 1)	4600		● 12.722 V Euro Channel	30000	12.017 H Blank audio channel	8150	12.017 H Blank audio channel	8150	12.017 H Blank audio channel	8150	● 3.844 H Rai Music	25000	● 11.070 V SEN4	26552	● 11.070 V SEN4	26552
● 11.165 V PTVK DSKG	3333		HELLAS SAT 2 039.0° East		12.017 H TGRT FM	8150	12.017 H TGRT FM	8150	12.017 H TGRT FM	8150	● 3.844 H Rai TV	25000	● 11.070 V SENS	26552	● 11.070 V SENS	26552
● 11.455 V ISL DAWN TV	2850			46 49 52	12.017 H RAYO TV	8150	12.017 H RAYO TV	8150	12.017 H RAYO TV	8150	● 3.844 H Ten Sports	25000	● 11.070 V Star2	26552	● 11.070 V Star2	26552
● 11.456 V DSKG	2850		HELLAS SAT 2 039.0° East		12.028 H Audio tests	4557	12.028 H Audio tests	4557	12.028 H Audio tests	4557	● 3.844 H Tez	25000	● 11.070 V 9A.7	30000	● 11.070 V 9A.7	30000
● 11.677 V Xandberg Service	3000			46 49 52	12.028 H Burc FM	4557	12.028 H Burc FM	4557	12.028 H Burc FM	4557	● 3.844 H Alhurra TV IS (H.264)	25000	● 11.070 V Beats	30000	● 11.070 V Beats	30000
Europe			HELLAS SAT 2 039.0° East		12.028 H Dunya Radyo	4557	12.028 H Dunya Radyo	4557	12.028 H Dunya Radyo	4557	● 4.055 R Alhurra-IR TH.2	20000	● 11.070 V FuMFM	26652	● 11.070 V FuMFM	26652
HELLAS SAT 2				46 49 52	EURASIASAT 1 042.0° East			46 46 53	EURASIASAT 1 042.0° East		● 4.055 R VOA VOR TV 408	25000	● 11.070 V MeFM	30000	● 11.070 V MeFM	30000
HELLAS SAT 2 039.0° East				46 49 52	EURASIASAT 1 042.0° East			46 46 53	EURASIASAT 1 042.0° East		● 4.055 R Ch.1-Default	20000	● 11.070 V Jazi	30000	● 11.070 V Jazi	30000
	46 49 52			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R IBB OS Download 8	20000	● 11.070 V KFM	30000	● 11.070 V KFM	30000
http://www.SatCoDX.com/0390				46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA OS Download 9	20000	● 11.070 V Link	30000	● 11.070 V Link	30000
Coverage Code HELO02F2				46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA VOR TV 409	25000	● 11.070 V MeFM	30000	● 11.070 V MeFM	30000
● 11.037 V PTV	5200			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R Cyprus/Abu Dhabi MW	25000	● 11.070 V METRO	30000	● 11.070 V METRO	30000
● 11.140 V Ptm	1425			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R Farda Radio 448	20000	● 11.070 V SPUR	26652	● 11.070 V SPUR	26652
● 11.425 V TV Plus	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R IBB VOA RFE/RLa	20000	● 11.070 V Star2	26652	● 11.070 V Star2	26652
● 12.715 V test	6654			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R IBB VOA RFE/RLa	20000	● 11.070 V Star2	26652	● 11.070 V Star2	26652
HELLAS SAT 2 039.0° East				46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R IBB VOA RFE/RLa	20000	● 11.070 V Star2	26652	● 11.070 V Star2	26652
	46 49 52			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R AETN TV 548	20000	● 11.070 V Star2	26652	● 11.070 V Star2	26652
http://www.SatCoDX.com/0390				46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R IBB VOA RFE/RLa	20000	● 11.070 V Star2	26652	● 11.070 V Star2	26652
Coverage Code HELO02ME				46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R IBB VOA RFE/RLa	20000	● 11.070 V Star2	26652	● 11.070 V Star2	26652
● 11.524 H Animal Planet	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R Khosti/Mani MW 461	20000	● 11.070 V Clicks	26652	● 11.070 V Clicks	26652
● 11.524 H AXN Sci FI	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R RFA Radio 438	20000	● 11.070 V FreeFM	26652	● 11.070 V FreeFM	26652
● 11.524 H BNT 1	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA Dibatjib/Tanda	25000	● 11.070 V Fm2	26652	● 11.070 V Fm2	26652
● 11.524 H BTV	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Lebanon Radio 4	25000	● 11.070 V NCRF	26652	● 11.070 V NCRF	26652
● 11.524 H Cinemax 2	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R Sawa Egypt/Gulf Radi	20000	● 11.070 V ORO1	26652	● 11.070 V ORO1	26652
● 11.524 H Diema 2	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R Sawa Africa Radio 455	20000	● 11.070 V ORO2	26652	● 11.070 V ORO2	26652
● 11.524 H Diema 2	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO3	26652	● 11.070 V ORO3	26652
● 11.524 H Discovery	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO6	26652	● 11.070 V ORO6	26652
● 11.524 H Discovery Channel	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO7	26652	● 11.070 V ORO7	26652
● 11.524 H Euforia	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO8	26652	● 11.070 V ORO8	26652
● 11.524 H Eurosport 2	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO9	26652	● 11.070 V ORO9	26652
● 11.524 H HBO	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO10	26652	● 11.070 V ORO10	26652
● 11.524 H HBO Comedy	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO11	26652	● 11.070 V ORO11	26652
● 11.524 H Kias TV	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO12	26652	● 11.070 V ORO12	26652
● 11.524 H Money Channel	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO13	26652	● 11.070 V ORO13	26652
● 11.524 H Nova TV	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO14	26652	● 11.070 V ORO14	26652
● 11.524 H Planeta TV	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO15	26652	● 11.070 V ORO15	26652
● 11.524 H Private Spice	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO16	26652	● 11.070 V ORO16	26652
● 11.524 H Scena 2	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO17	26652	● 11.070 V ORO17	26652
● 11.524 H Selo	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO18	26652	● 11.070 V ORO18	26652
● 11.524 H TV1	30000			46 49 52		46 46 53		46 46 53		46 46 53	● 4.055 R VOA/Sawa Lebanon Ra	20000	● 11.070 V ORO19	26652	● 11.070 V ORO19	26652
● 11.524 H TV2	30000			46 49 52		46 46 53		46 46 53								

Table with columns: Freq Pol Channel Name, Symbol rate, GHz, and a list of satellite channels including Computer Music, D-Navi Station, Disco Collection, etc.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz, and a list of satellite channels including 3.960 V 35 KF, 3.960 V 36 Cristal and Piano Mu, etc.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz, and a list of satellite channels including 12.595 V EUROS, 12.595 V MAS, 12.595 V MTRV, etc.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz, and a list of satellite channels including C-Band EXPRESS AM3, EXPAM3K, EXPAM3K, etc.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz, and a list of satellite channels including BCC World, CNN, DISCOVERY TRAVEL, etc.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz, and a list of satellite channels including 12.644 H R103, 12.644 H R109, 12.644 H SOUT, etc.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz, and a list of satellite channels including 12.627 V SMA BUS6, 12.627 V SMA BUS7, 12.627 V Teamb-B, etc.

APSTAR 6 134.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 6 134.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 6 134.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 6 134.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

APSTAR 5 - TELSTAR 18 124.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

MEASAT 2 148.0° East. Coverage map showing the satellite's footprint over the Asia-Pacific region.

Main table containing satellite data with columns for Freq Pol Channel Name, Symbol rate, GHz, and multiple columns of channel details. Includes various satellite names like ECHOSTAR, AMC, and SOLIDARIDAD.

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

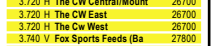
AMC 16 275.0 East

AMC 16 275.0 East

AMC 16 275.0 East

Table with 2 columns: Freq Pol Channel Name, Symbol rate GHz. Includes entries like 12.175 W JRYM MUSIC, 12.177 W MACYS 4, etc.

North America



C-Band 30 36 40

http://www.SatcoDX7.com/2730 Coverage Code GXY101CB

Main table of satellite data for North America, listing channel names, symbol rates, and frequencies.

North America NIMIQ 1

269.1 East (90.9 West)

NIMIQ2B

NIMIQ 1 269.0° East



Cu-Band 39 46 55

http://www.SatcoDX7.com/2691 Coverage Code NIM001KB

Table with 2 columns: Freq Pol Channel Name, Symbol rate GHz. Includes entries like 12.239 L CWY1, 12.239 L GAME, etc.

North America



C-Band 30 36 40

http://www.SatcoDX7.com/2730 Coverage Code GXY101CB

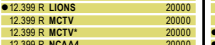
Main table of satellite data for North America, listing channel names, symbol rates, and frequencies.

North America NIMIQ 1

269.1 East (90.9 West)

NIMIQ2B

NIMIQ 1 269.0° East

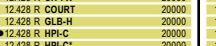


Cu-Band 39 46 55

http://www.SatcoDX7.com/2691 Coverage Code NIM001KB

Table with 2 columns: Freq Pol Channel Name, Symbol rate GHz. Includes entries like 12.399 R OMNI1, 12.399 R SPRD, etc.

North America



C-Band 30 36 40

http://www.SatcoDX7.com/2730 Coverage Code GXY101CB

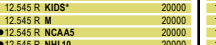
Main table of satellite data for North America, listing channel names, symbol rates, and frequencies.

North America NIMIQ 1

269.1 East (90.9 West)

NIMIQ2B

NIMIQ 1 269.0° East



Cu-Band 39 46 55

http://www.SatcoDX7.com/2691 Coverage Code NIM001KB

Table with 2 columns: Freq Pol Channel Name, Symbol rate GHz. Includes entries like 12.545 R Vu10, 12.545 R Wt1, etc.

North America



C-Band 30 36 40

http://www.SatcoDX7.com/2730 Coverage Code GXY101CB

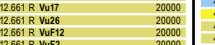
Main table of satellite data for North America, listing channel names, symbol rates, and frequencies.

North America NIMIQ 1

269.1 East (90.9 West)

NIMIQ2B

NIMIQ 1 269.0° East



Cu-Band 39 46 55

http://www.SatcoDX7.com/2691 Coverage Code NIM001KB

Table with 2 columns: Freq Pol Channel Name, Symbol rate GHz. Includes entries like 12.611 R Vu*F, 12.611 R (Empty), etc.

North America



Cu-Band 40 45 50

http://www.SatcoDX7.com/2730 Coverage Code AMC003KB

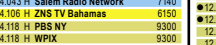
Main table of satellite data for North America, listing channel names, symbol rates, and frequencies.

North America NIMIQ 1

269.1 East (90.9 West)

NIMIQ2B

NIMIQ 1 269.0° East

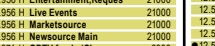


Cu-Band 40 45 50

http://www.SatcoDX7.com/2730 Coverage Code AMC003KB

Table with 2 columns: Freq Pol Channel Name, Symbol rate GHz. Includes entries like 12.761 R Vu*F, 12.761 R (Empty), etc.

North America



Cu-Band 40 45 50

http://www.SatcoDX7.com/2730 Coverage Code AMC003KB

Main table of satellite data for North America, listing channel names, symbol rates, and frequencies.

North America NIMIQ 1

269.1 East (90.9 West)

NIMIQ2B

NIMIQ 1 269.0° East

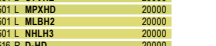


Cu-Band 40 45 50

http://www.SatcoDX7.com/2730 Coverage Code AMC003KB

Table with 2 columns: Freq Pol Channel Name, Symbol rate GHz. Includes entries like 12.381 L DISHD, 12.381 L HDH1, etc.

North America



Cu-Band 40 45 50

http://www.SatcoDX7.com/2730 Coverage Code AMC003KB

Main table of satellite data for North America, listing channel names, symbol rates, and frequencies.

North America NIMIQ 1

269.1 East (90.9 West)

NIMIQ2B

NIMIQ 1 269.0° East



Cu-Band 40 45 50

http://www.SatcoDX7.com/2730 Coverage Code AMC003KB

SatCoDX Global Satellite Chart 04/2009

Freq Pol Channel Name	Symbol rate GHz
NAH001K3	11478 V TV Libere
11585 V Canal 11	11610 V Canal 27 Guatemala
11611 V Union Ecuador	11626 V Canal 48 Honduras
11633 V Conexión 31 Promos	11635 V Nahuel Promos
11675 V TV Libre Uruguay	11708 V Canal Rural Santiago
11708 V Conexión Educativa	11708 V Nahuel Promos
11708 V SEMSAT - Sembrando	11739 V Red Media Educativa
11948 H Hipodromo	

Freq Pol Channel Name	Symbol rate GHz
3872 V TV Alterosa	3724 V TV Centro America
3872 V Radio Guarani FM	3800 H Rede Globo Minas Ger
3800 H Rede Vida Feeds	3698 H Rede Globo Sao Paulo
3698 H Rede Minas	3698 H Rede Minas
3698 H Rede Minas	3698 H Rede Minas
3703 V TV Difusora do Maranh	3703 V Difusora FM AM
3708 V TV Mirante	3708 V Radio Mirante Am
3708 V Radio Mirante FM	3714 V Rede Record Minas Ge
3714 V Servis 1	3714 V Rede Aleluia Minas G
3752 V SBT	

Freq Pol Channel Name	Symbol rate GHz
11737 H AE MUNDO	11737 H Canal 13 (Cable)
11737 H Canal 13 (Cable)	11737 H Canal 13 (Cable)
11737 H Canon Ecuador	11737 H DFC
11737 H CHV	11737 H Gineasax
11737 H HDO	11737 H Discovery Kids
11737 H HDO	11737 H HDO
11737 H HDO	11737 H HDO
11737 H HDO	11737 H HDO

Freq Pol Channel Name	Symbol rate GHz
3760 V Digise Brasil	3760 V FTV Port
3760 V FTV Port	3760 V FTV VZLA
3760 V HTV	3760 V HTV
3760 V HTV	3760 V Infinito Latino
3760 V Infinito Por	3760 V Infinito Por
3760 V Infinito Sur	3760 V Infinito Sur
3760 V Locomotion Latin	3760 V Luna Vision 2
3760 V Luna Vision 2	3760 V Movie City Este
3760 V Movie City Oeste	3760 V Much Music
3760 V MUCH VZLA	3760 V PB Digital

Freq Pol Channel Name	Symbol rate GHz
4080 H Hallmark Channel (UK)	4080 H MTV (South)
4080 H MTV Central (Andean)	4080 H MTV Central (Chile)
4080 H MTV Central (Colombi)	4080 H MTV Central (Venezue)
4080 H Nickelodeon (Caribe)	4080 H Nickelodeon (Mexico)
4080 H Nickelodeon (Paraguay)	4080 H Nickelodeon (Peru)
4080 H Nickelodeon (Uruguay)	4080 H Nickelodeon (Uruguay)
4080 H Nickelodeon (Venezue)	4080 H Nickelodeon (Venezue)
4080 H Nickelodeon (Venezue)	4080 H Nickelodeon (Venezue)

Freq Pol Channel Name	Symbol rate GHz
4177 V VHL South	4177 V VHL VC
4177 V VHL VC	4177 V VHL VC
4177 V VHL VC	4177 V VHL VC
4177 V VHL VC	4177 V VHL VC

Freq Pol Channel Name	Symbol rate GHz
4722 H EPTV	4722 H ESPN Brazil
4722 H Magazine	4722 H Pacote UFC
4722 H RBS TV	4722 H RBS TV
4722 H RBS TV	4722 H RBS TV
4722 H RBS TV	4722 H RBS TV
4722 H RBS TV	4722 H RBS TV
4722 H RBS TV	4722 H RBS TV
4722 H RBS TV	4722 H RBS TV

Main table containing satellite data with columns for Freq Pol Channel Name, Symbol rate, GHz, and various channel details. Includes sub-sections for HISPASAT 1C 330.0° East, INTELSAT 801 328.5° East, and HISPASAT 1D 330.0° East.



http://www.SatcoDX.com/3300 Coverage Code HIS101CK

Table listing satellite channels for HISPASAT 1C 330.0° East, including channel names like Futebol MC 3, Futebol MC 4, and various regional channels.

http://www.SatcoDX.com/3300 Coverage Code HIS101CK

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.


Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

Table with columns: Freq Pol Channel Name, Symbol rate, GHz. Includes sections for Europe, ATLANTIC BIRD 3, and AMOS 2.

SatCoDX Global Satellite Chart 04/2009

Freq Pol Channel Name	Symbol rate GHz	Freq Pol Channel Name	Symbol rate GHz	Freq Pol Channel Name	Symbol rate GHz	Freq Pol Channel Name	Symbol rate GHz	Freq Pol Channel Name	Symbol rate GHz
12.169 H McBox	28000	11.785 H Nat Geo Wild RO	28000	4.025 R BBC English (W Af	7324	TH0002KU	3592.2 East	12.456 V Discov Science	28000
12.169 H Planet TV	28000	11.785 H HBC English Mid-Ea	28000	4.025 R BBC English News	7324	 <p>TH0002KU 3592.2 East</p> <p>http://www.SatCoDX.com/3592 Coverage Code TH0002KU</p>	12.456 V World Carnival	28000	
12.169 H SKAT	28000	11.785 H TV 6	28000	4.025 R BBC French	7324		12.456 V DJV2 (Cable)	28000	
12.169 H Telesat TV	28000	11.785 H Music Channel	28000	4.025 R BBC Pashto	7324		12.456 V Jazz Classics	28000	
12.169 H TV LUX	28000	11.785 H Radio Gaga	28000	4.025 R BBC Portuguese	7324		12.456 V Just Chill Out	28000	
12.169 H Alpha 3	28000	11.785 H Radio Gaga	28000	4.025 R BBC Somali	7324	12.456 V Discovery Travel	28000		
12.169 H Alpha 3	28000	11.785 H Radio Gaga	28000	4.025 R BBC Swahili	7324	12.456 V Nick-VH1 TS	28000		
12.169 H Alpha Radio	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Rock Anthems	28000		
12.169 H BG Radio	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Sky News	28000		
12.169 H ENERGY	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Soul Classics	28000		
12.169 H Focus Pirm	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Strictly 60s	28000		
12.169 H Focus Sofia	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V The Alternative	28000		
12.169 H Focus Varnovo	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Total Hits	28000		
12.169 H Focus Varna	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Total Hits Italy	28000		
12.169 H HIT FM	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Total Hits Nordi	28000		
12.169 H HORNET Radio	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Urban	28000		
12.169 H Njoy	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V VHI Classic	28000		
12.169 H OMV ROMANIA	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V World Carnival	28000		
12.169 H Radio 1	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.456 V Xmas & Kids	28000		
12.169 H Radio City 2	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.476 H Eurosport	27800		
12.169 H Radio City 2	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.476 H Eurosport 2	27800		
12.169 H Radio City 2	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.476 H TV-bijl 1	27800		
12.169 H Radio FM+	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.476 H TV-bijl 2	27800		
12.169 H Radio Fresh	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.476 H TV-bijl 3	27800		
12.169 H Radio Misa	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.476 H TV4 Guid	27800		
12.169 H Radio Rock	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324	12.476 H TV4 Komedi	27800		
12.169 H STAR FM	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324				
12.169 H Test Radio	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324				
12.169 H Veonika	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324				
12.169 H Z-ROCK	28000	11.785 H Radio Gaga	28000	4.025 R BBC Urdu	7324				
12.226 V ESPN America	28000	12.428 H DR1 Syd	28000	12.520 V DR1 Syd	17500	11.823 H Test CA	28000	12.456 V VH1 Classic	28000
12.226 V ESPN Classic	28000	12.428 H DR2 Syd	28000	12.520 V DR2 Syd	17500	11.823 H BGTV	28000	12.456 V World Carnival	28000
12.226 V TV 2 Sport 2	28000	12.428 H DTV2 (Cable)	28000	12.520 V DR3 Syd	17500	11.823 H Chace TV	28000	12.456 V Xmas & Kids	28000
12.226 V TV (N)	28000	12.428 H NRK1 Reserve	28000	12.520 V DR4 Syd	17500	11.823 H MM	28000	12.476 H Eurosport	27800
12.226 V TV8	28000	12.428 H TV Finland	28000	12.520 V DR5 Syd	17500	11.823 H Pody TV	28000	12.476 H Eurosport 2	27800
12.226 V Scandinavian Satelli	28000	12.428 H Nautik	28000	12.520 V DR6 Syd	17500	11.823 H RadioFM	28000	12.476 H TV-bijl 1	27800
12.245 H Antena 1	28000	12.428 H The Poker Channel	28000	12.520 V DR7 Syd	17500	11.823 H Rodin TV	28000	12.476 H TV-bijl 2	27800
12.245 H Favorit TV	28000	12.428 H TV Patriot	28000	12.520 V DR8 Syd	17500	11.823 H Tivoli TV	28000	12.476 H TV4 Guid	27800
12.245 H Hallmark	28000	12.428 H DR Klassisk Syd	28000	12.520 V DR9 Syd	17500	11.823 H Travel TV	28000	12.476 H TV4 Komedi	27800
12.245 H Hustler TV	28000	12.428 H DR P1 Syd	28000	12.520 V DR10 Syd	17500	11.823 H Radio Voces Sperante	28000		
12.245 H Minimax	28000	12.428 H DR P2 Syd	28000	12.520 V DR11 Syd	17500	12.149 H TV 2 Sport	28000		
12.245 H MTV Romania	28000	12.428 H DR P3 Syd	28000	12.520 V DR12 Syd	17500	12.149 H BTV	28000		
12.245 H National TV	28000	12.428 H DR P4 Syd	28000	12.520 V DR13 Syd	17500	12.149 H Discovery	28000		
12.245 H Prima TV	28000	12.428 H DR P5 Syd	28000	12.520 V DR14 Syd	17500	12.149 H Discovery Science	28000		
12.245 H Realitatea TV	28000	12.428 H DR P6 Syd	28000	12.520 V DR15 Syd	17500	12.149 H Discovery Travel	28000		
12.245 H Romantica	28000	12.428 H DR P7 Syd	28000	12.520 V DR16 Syd	17500	12.149 H Europa Lifestyle	28000		
12.245 H Telesport	28000	12.428 H DR P8 Syd	28000	12.520 V DR17 Syd	17500	12.149 H Extrem Sports	28000		
12.245 H TVR 1	28000	12.428 H DR P9 Syd	28000	12.520 V DR18 Syd	17500	12.149 H Kanal D	28000		
12.245 H TVR 2	28000	12.428 H DR P10 Syd	28000	12.520 V DR19 Syd	17500	12.149 H Net TV	28000		
12.245 H TVR Cultural	28000	12.428 H DR P11 Syd	28000	12.520 V DR20 Syd	17500	12.149 H N24	28000		
12.245 H TVR Sport	28000	12.428 H DR P12 Syd	28000	12.520 V DR21 Syd	17500	12.149 H Reality/BlueHustler	28000		
12.245 H TVR 3	28000	12.428 H DR P13 Syd	28000	12.520 V DR22 Syd	17500	12.149 H Sport Klub	28000		
12.245 H TVR 4	28000	12.428 H DR P14 Syd	28000	12.520 V DR23 Syd	17500	12.149 H Viasat Explorer/Club	28000		
12.245 H TVR 5	28000	12.428 H DR P15 Syd	28000	12.520 V DR24 Syd	17500	12.149 H Viasat History	28000		
12.245 H TVR 6	28000	12.428 H DR P16 Syd	28000	12.520 V DR25 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 7	28000	12.428 H DR P17 Syd	28000	12.520 V DR26 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 8	28000	12.428 H DR P18 Syd	28000	12.520 V DR27 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 9	28000	12.428 H DR P19 Syd	28000	12.520 V DR28 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 10	28000	12.428 H DR P20 Syd	28000	12.520 V DR29 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 11	28000	12.428 H DR P21 Syd	28000	12.520 V DR30 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 12	28000	12.428 H DR P22 Syd	28000	12.520 V DR31 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 13	28000	12.428 H DR P23 Syd	28000	12.520 V DR32 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 14	28000	12.428 H DR P24 Syd	28000	12.520 V DR33 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 15	28000	12.428 H DR P25 Syd	28000	12.520 V DR34 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 16	28000	12.428 H DR P26 Syd	28000	12.520 V DR35 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 17	28000	12.428 H DR P27 Syd	28000	12.520 V DR36 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 18	28000	12.428 H DR P28 Syd	28000	12.520 V DR37 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 19	28000	12.428 H DR P29 Syd	28000	12.520 V DR38 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 20	28000	12.428 H DR P30 Syd	28000	12.520 V DR39 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 21	28000	12.428 H DR P31 Syd	28000	12.520 V DR40 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 22	28000	12.428 H DR P32 Syd	28000	12.520 V DR41 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 23	28000	12.428 H DR P33 Syd	28000	12.520 V DR42 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 24	28000	12.428 H DR P34 Syd	28000	12.520 V DR43 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 25	28000	12.428 H DR P35 Syd	28000	12.520 V DR44 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 26	28000	12.428 H DR P36 Syd	28000	12.520 V DR45 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 27	28000	12.428 H DR P37 Syd	28000	12.520 V DR46 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 28	28000	12.428 H DR P38 Syd	28000	12.520 V DR47 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 29	28000	12.428 H DR P39 Syd	28000	12.520 V DR48 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 30	28000	12.428 H DR P40 Syd	28000	12.520 V DR49 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 31	28000	12.428 H DR P41 Syd	28000	12.520 V DR50 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 32	28000	12.428 H DR P42 Syd	28000	12.520 V DR51 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 33	28000	12.428 H DR P43 Syd	28000	12.520 V DR52 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 34	28000	12.428 H DR P44 Syd	28000	12.520 V DR53 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 35	28000	12.428 H DR P45 Syd	28000	12.520 V DR54 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 36	28000	12.428 H DR P46 Syd	28000	12.520 V DR55 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 37	28000	12.428 H DR P47 Syd	28000	12.520 V DR56 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 38	28000	12.428 H DR P48 Syd	28000	12.520 V DR57 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 39	28000	12.428 H DR P49 Syd	28000	12.520 V DR58 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 40	28000	12.428 H DR P50 Syd	28000	12.520 V DR59 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 41	28000	12.428 H DR P51 Syd	28000	12.520 V DR60 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 42	28000	12.428 H DR P52 Syd	28000	12.520 V DR61 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 43	28000	12.428 H DR P53 Syd	28000	12.520 V DR62 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 44	28000	12.428 H DR P54 Syd	28000	12.520 V DR63 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 45	28000	12.428 H DR P55 Syd	28000	12.520 V DR64 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 46	28000	12.428 H DR P56 Syd	28000	12.520 V DR65 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 47	28000	12.428 H DR P57 Syd	28000	12.520 V DR66 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 48	28000	12.428 H DR P58 Syd	28000	12.520 V DR67 Syd	17500	12.149 H VH1	28000		
12.245 H TVR 49	28000	1							

SatcoDX World Statistics



Alexandru Porosanu
TELE-satellite
Statistics Center
Romania

Top 60 Video PIDs Worldwide

Video PID	Feb 2008	Jan 2009	Feb 2009	2009/2008
512	344	348	1,16%	
513	313	291	-7.03%	
1160	309	280	-9.39%	
308	290	257	-11.38%	
33	253	212	-16.21%	
514	273	211	-22.71%	
516	196	196	0.00%	
515	191	195	2.09%	
4130	197	194	-1.52%	
518	165	180	9.09%	
1260	203	176	-13.30%	
517	159	162	1.89%	
519	149	151	1.34%	
163	178	147	-17.42%	
160	148	146	-1.35%	
161	147	142	-3.40%	
1360	162	139	-14.20%	
521	137	129	-5.84%	
162	127	123	-3.15%	
520	133	121	-9.02%	
165	114	121	6.14%	
1760	168	115	-31.55%	
101	111	112	0.90%	
5922	105	112	6.67%	
1460	120	108	-16.28%	
166	98	105	7.14%	
4194	131	103	-21.37%	
169	84	101	20.24%	
167	94	99	5.32%	
4386	81	98	20.99%	
524	62	97	56.45%	
4642	84	95	13.10%	
164	107	94	-12.15%	
110	94	91	-3.19%	
6178	63	90	42.86%	
522	81	90	11.11%	
168	103	89	-13.59%	
1660	97	89	-8.25%	
5154	73	88	20.55%	
4898	71	87	22.54%	
257	80	86	7.50%	
5666	78	86	10.26%	
1110	89	84	-5.62%	
1560	89	83	-6.74%	
523	82	82	0.00%	
171	79	81	2.53%	
201	68	79	16.18%	
6434	58	78	34.48%	
5410	67	76	13.43%	
170	84	74	-11.90%	
501	61	73	19.67%	
301	68	71	4.41%	

Top 60 Audio PIDs Worldwide

Audio PID	Feb 2008	Jan 2009	Feb 2009	2009/2008
256	328	300	-8.54%	
1120	296	262	-11.49%	
4131	181	175	-3.31%	
100	163	171	4.91%	
660	163	154	-5.52%	
640	126	154	22.22%	
1220	183	152	-16.94%	
650	157	146	-7.01%	
80	142	133	-6.34%	
84	135	126	-6.67%	
1320	146	125	-14.38%	
34	144	118	-18.06%	
104	106	116	9.43%	
36	132	112	-15.15%	
88	116	112	-3.45%	
700	107	111	3.74%	
108	101	102	0.99%	
5923	98	102	4.08%	
102	105	101	-3.81%	
4195	123	99	-19.51%	
1420	114	99	-13.16%	
92	102	95	-6.86%	
680	104	94	-9.62%	
96	102	93	-8.82%	
670	155	92	-40.65%	
112	95	90	-5.26%	
4387	75	90	20.00%	
400	112	89	-20.54%	
202	78	88	12.82%	
6179	60	87	45.00%	
4643	77	87	12.99%	
641	83	84	1.20%	
258	88	84	-4.55%	
1620	89	81	-8.99%	
4899	68	81	19.12%	
402	78	79	1.28%	
116	82	78	-4.88%	
644	86	78	-9.30%	
5155	66	78	18.18%	
1520	88	77	-12.50%	
651	81	76	-7.32%	
690	70	75	7.14%	
302	71	75	5.63%	
5667	71	73	2.81%	
5411	65	73	12.31%	
652	60	72	20.00%	
642	61	70	14.75%	
502	53	70	32.08%	
6435	53	70	32.08%	
120	76	67	-11.84%	
664	68	66	-2.94%	
710	69	65	-5.80%	
668	45	64	42.22%	
6691	45	62	37.78%	
648	47	62	31.91%	
1720	64	62	-3.12%	
1920	71	60	-15.49%	

Transmission Types Worldwide

Type	Feb 2008	Jan 2009	Feb 2009	2009/2008
TV-DIG-CRYPT	10703	11349	6.04%	
TV-DIG	7471	6765	-9.45%	
R-DIG	4237	3722	-12.15%	
DATA	1954	2263	15.81%	
R-DIG-CRYPT	1392	1322	-5.03%	
TV-SD-CRYPT	308	446	44.81%	
TV-HD-CRYPT	214	325	51.87%	
TV-SD	78	102	30.77%	
TV-HD	59	62	5.08%	
TV-ANA	127	59	-53.54%	
TV-ANA-CRYPT	57	45	-21.05%	
R-ANA	64	25	-60.94%	

Transponder Polarization Worldwide

Polarization	Feb 2008	Jan 2009	Feb 2009	2009/2008
V	12155	11812	-2.82%	
H	11554	11112	-3.83%	
R	1881	2320	23.34%	
L	1151	1258	9.30%	

Top 100 Ku band Frequencies Worldwide

Frequency	Feb 2008	Jan 2009	Feb 2009	2009/2008
12.226	188	206	9.57%	
12.149	150	171	14.00%	
11.823	104	152	46.15%	
12.399	138	142	2.90%	
12.360	89	132	48.31%	
12.341	86	131	52.33%	
11.938	92	126	36.96%	
12.418	99	122	23.23%	
12.428	54	121	124.07%	
11.804	63	120	90.48%	
12.092	82	120	46.34%	
11.747	59	118	100.00%	
12.523	120	116	-3.33%	
12.643	92	113	23.83%	
12.303	127	107	-15.75%	
12.628	106	106	0.00%	
12.661	72	103	43.06%	
11.785	143	102	-28.67%	
11.766	80	101	26.25%	
12.355	93	100	7.53%	
12.265	17	100	488.24%	
12.407	98	97	-1.02%	
11.727	76	97	27.63%	
12.207	200	97	-51.50%	
12.253	61	96	57.38%	
11.470	53	96	81.13%	
12.574	132	96	-27.27%	
12.282	79	94	18.99%	
12.053	51	94	84.31%	
11.919	59	93	57.63%	
12.647	76	93	22.37%	
12.688	87	92	5.75%	
11.996	95	91	-4.21%	
11.843	95	91	-4.21%	
12.015	42	88	109.52%	
11.010	83	87	4.82%	
11.283	77	87	12.99%	
11.630	33	86	160.61%	
12.268	58	85	46.55%	
12.472	53	84	58.49%	
11.635	83	84	1.20%	
12.284	34	83	144.12%	
12.311	76	83	9.21%	
12.486	37	83	124.32%	
11.550	27	83	207.41%	
12.012	97	83	-14.43%	
12.370	63	80	26.98%	
12.302	34	80	135.29%	
12.545	59	80	35.59%	
12.516	56	80	42.86%	
11.130	15	79	426.67%	
12.130	32	78	143.75%	
12.726	19	78	310.53%	
12.322	92	77	-19.79%	
12.476	82	77	-6.10%	
12.604	181	75	-58.56%	
10.970	84	75	-10.71%	
11.170	58	74	27.59%	
12.723	34	74	117.65%	
12.224	65	74	13.85%	
12.729	19	74	289.47%	
12.034	42	73	73.81%	
12.608	15	72	380.00%	
12.169	70	71	1.43%	
12.380	93	70	-24.73%	
12.563	61	70	14.75%	
11.604	67	70	4.48%	
12.501	57	69	21.05%	
12.603	74	69	-6.76%	
12.414	99	69	-30.30%	
11.642	76	69	-9.21%	
11.596	25	68	172.00%	
11.862	55	68	23.64%	
12.443	64	66	3.12%	
11.954	53	66	24.53%	
12.519	63	66	4.76%	
12.565	65	66	1.54%	
12.607	45	65	44.44%	
12.581	49	65	32.65%	
11.617	65	64	-1.54%	
11.778	14	64	357.14%	
12.644	26	63	142.31%	
12.683	47	63	34.04%	
11.900	69	63	-8.70%	
10.972	64	62	-3.12%	
11.623	47	62	31.91%	
11.150	48	62	29.17%	
12.456	82	62	-24.39%	
11.075	40	61	52.50%	

Top 40 Symbol Rate Usage Worldwide

Symbol Rate	Feb 2008	Jan 2009	Feb 2009	2009/2008
27500	9849	8537	-13.32%	
30000	2292	2768	20.77%	
20000	1840	2310	25.54%	
22000	1350	1045	-22.59%	
28000	545	518	-4.95%	
28500	246	491	99.59%	
19510	459	456	-0.65%	
22500	316	434	37.34%	
21096	410	410	0.00%	
29270	276	286	3.62%	
27800	277	276	-0.36%	
28800	51	265	419.61%	
29950	206	217	5.34%	
24500	136	197	44.85%	
26000	153	189	23.53%	
27684	175	175	0.00%	
26470	128	108	-15.62%	
21300	54	106	96.30%	
28100	74	104	40.54%	
30800	106	104	-1.89%	
22425	124	102	-17.74%	
20600	81	96	18.52%	
26667	115	92	-20.00%	
3428	64	92	43.75%	
40700	22	90	309.09%	
33483	19	89	368.42%	
25000	48	89	85.42%	
27489	85	85	Inf	
26480	76	77	1.32%	
26652	29	74	155.17%	
25600	70	70	0.00%	
28125	94	67	-28.72%	
27690	87	62	-28.74%	
24440	55	61	10.91%	
26657	66	61	-7.58%	
27700	62	60	-3.23%	
5000	34	58	70.59%	
10000	50	57	14.00%	
28062	54	57	5.56%	

Top 80 C band Frequencies Worldwide

Frequency	Feb 2008	Jan 2009	Feb 2009	2009/2008
4.000	120	115	-4.17%	
4.060	193	103	-46.63%	
4.175	70	100	42.86%	



Edited by Alexander Wiese

20 Years Ago

Travel into the Past
TELE-satellite Magazine
Issue 02/1988



satelc ... zeigt wie immer richtungweisende Technik

CHEYENNE™ INTERNATIONAL
Satellite Receiver
The leading product from USA!

- Satellitenempfänger und Motorsteuerung in einem
- Alle Funktionen werden über die IR-Fernbedienung gesteuert
- Anzeige aller Daten auf dem TV-Schirm
- Fernsteuerbar aus allen Räumen
- Auto-Tune-Taste
- ZF-Bandbreite einstellbar auf 14, 20, 28 oder 36 MHz
- Hörfunkempfangstauglich (Subträgerempfang)
- Kompatible für 4, 11 und 12 GHz Empfang
- Lock IN/OUT Funktion

SUPER-rauscharmer HEMT-Konverter DSA 528 C

Technische Daten:
 - Frequenzbereich: 10,5 bis 12 GHz
 - Rücklaufverlust: $0,5 \text{ dB}$
 - Ausgangsleistung: 10 W
 - Rauschmaß: 15 dB
 - Temperaturbereich: $0 \text{ bis } 50 \text{ °C}$
 - Abmessungen: $100 \times 100 \times 100 \text{ mm}$
 - Gewicht: $1,5 \text{ kg}$

Wir bringen die Welt ins Haus

Free news Zeit bringt ein neue Zeitschrift mit dem Titel "Kommunikation". BBL News ist ein monatliches Magazin für Satelliten- und Empfangstechnik. Die Unterhaltung, die Sie selbst für sich drucken, Sie selbst auflesen, Sie selbst auflesen, Sie selbst auflesen.

Bewegung

Eine Vielzahl attraktiver Fernsehprogramme problemlos empfangbar!

KATHREIN
Antennen + Electronic
KATHREIN-USA KG, Postfach 280 - 8000 Rosemead, Telefon 803-1133

Fortschritt
Hannover Messe 88

Satelliten-Empfang

Nur in TELE-satellit: die aktuellsten, nachgeprüften Satelliten-Tabellen für Europa

Europas Satelliten

Programme Verteilsatelliten für Europa im Sendebereich 10,95 bis 11,70 GHz

Stand: April 1988

Copyright 1988 by TELE-audiovision Medien GmbH, Postfach 801855, D-8000 München 80 (089) 448 03 28

Stand: April 1988

WEST: 45, 27.5, 24.5, 21.5, 14
 EAST: 1, 7, 10, 13, 16, 19, 60, 63, 66

INT VA-F11, INT VA-F6, INT V-F2, EUT I-F4, EUT I-F5, INT VA-F12, INT V-F7

PAS 1, INT VA-F10, GOR 12, EUT I-F2, EUT I-F1, ASTRA, INT V-F5

Fernsehen über Satellit

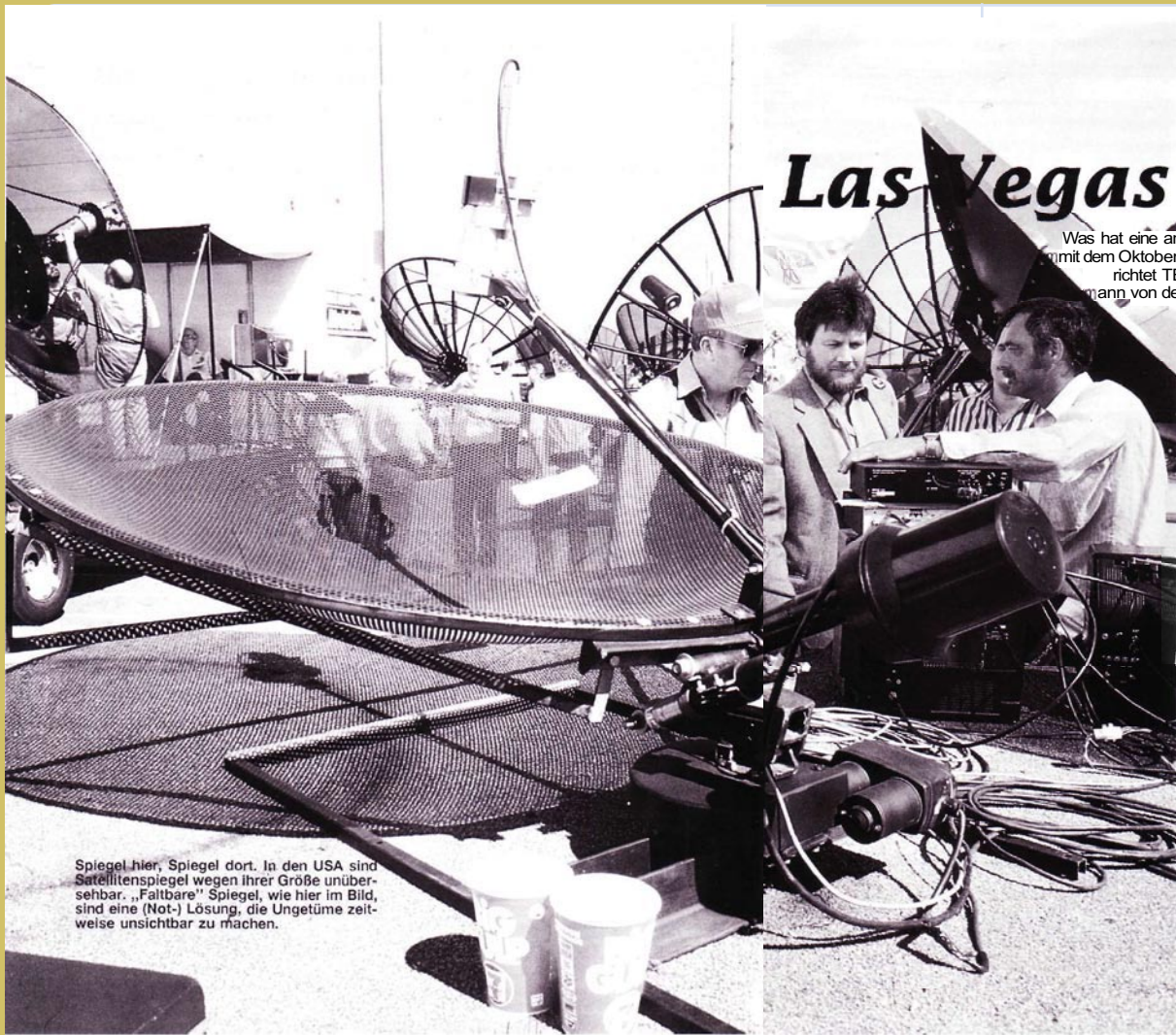
11 GHz (Ku-Band)

Satellit	Position	Programme	Sendeland	Sprache	Frequenz	Polarisation	Beim	Bildformat	Videofest	Tarif	System	Empfang	Leistung	Zeiten	Bemerkungen
INTELSAT VA-F11	27.5 W	MTV Europe	USA	englisch	10.98	Horz	West	PAL-NEG	-	Free	dBW	46	24	Widokids	Begleitton Stereo
INTELSAT VA-F10	24.5 W	Telepiù	Italien	italien	10.98	Vertikal	West	PAL-NEG	-	Free	dBW	46	24	nur Testsendungen	
GORPONT 12	14 West	TV Test	Schweden	schwedisch	11.01	Horz	West	PAL-NEG	-	Free	dBW	44	24	nur Testsendungen	
INTELSAT V-F2	1 West	Norpas	Norwegen	norwegisch	11.01	Horz	West	PAL-NEG	-	Free	dBW	44	24	Unterhaltung + Kultur	
EUTELSAT I-F2	7 Ost	Worldnet	Norwegen	engl. norwegisch	11.07	Horz	West	PAL-NEG	-	Free	dBW	46	24	Information	
EUTELSAT I-F4	10 Ost	Worldnet	Norwegen	engl. norwegisch	11.07	Vertikal	West	PAL-NEG	-	Free	dBW	46	24	Information	
EUTELSAT I-F1	13 Ost	Worldnet	Norwegen	engl. norwegisch	11.07	Vertikal	West	PAL-NEG	-	Free	dBW	46	24	Information	
INTELSAT VA-F12	80 Ost	3SAT	BRD	deutsch	11.07	Horz	West	PAL-NEG	-	Free	dBW	46	24	Unterhaltung + Kultur	
INTELSAT V-F5	83 Ost	IRIB TV 1	Iran	farsi	10.99	Vertikal	West	PAL-NEG	-	Free	dBW	46	24	Kultur - DX	
INTELSAT V-F7	86 Ost	IRIB TV 2	Iran	farsi	11.15	Vertikal	West	PAL-NEG	-	Free	dBW	46	24	Kultur - DX	

Radio über Satellit

11 GHz (Ku-Band)

Satellit	Position	Programme	Sendeland	Sprache	Frequenz	Polarisation	Beim	Tarif	System	Empfang	Leistung	Zeiten	Bemerkungen	
INTELSAT VA-F11	27.5 W	BBC Worldserv	Griffith	englisch	11.18	Horz	West	WEGENER	7.20	Free	dBW	24	24	Mono / Kurzwelle
INTELSAT V-F2	1 West	BBC Worldserv	Griffith	englisch	11.18	Horz	West	WEGENER	7.20	Free	dBW	24	24	Mono - Auslandsprogramme
EUTELSAT I-F4	10 Ost	NRK P1	Norwegen	norwegisch	11.18	Vertikal	West	Digital MAC	7.20 & 7.20	Free	dBW	44	24	2. Inlandsprogramm Stereo
EUTELSAT I-F1	13 Ost	NRK P1	Norwegen	norwegisch	11.18	Vertikal	West	Digital MAC	7.20 & 7.20	Free	dBW	44	24	2. Inlandsprogramm Stereo
INTELSAT VA-F12	80 Ost	3SAT	BRD	deutsch	11.07	Horz	West	WEGENER	7.20 & 7.20	Free	dBW	46	24	Unterhaltung + Kultur
INTELSAT V-F7	86 Ost	IRIB Radio 1	Iran	farsi	10.99	Vertikal	West	Standard	6.18	Free	dBW	46	24	Testsendungen - DX



USAT

Las Vegas 1988

Was hat eine amerikanische Satelliten-Show mit dem Oktoberfest zu tun? Aus den USA berichtet TELE-satellit Redakteur Rainer ...mann von der weltgrößten Satelliten-show

Im Anflug auf Las Vegas vermag sich der europäische Besucher nicht darüber klar werden, warum die Satelliten-show unbedingt in dieser Wüstengegend ausgerichtet wird. Immerhin braucht der Europäer fast 24 Stunden, bis er sich in einem der Superhotels niederlassen kann. Erst hier wird ihm ein Service zuteil, der den weiten Weg vergessen läßt, denn jeder mit Gästen beschäftigte Bewohner ist nur mit dem Gedanken befaßt, es dem Besucher so einfach und bequem wie möglich zu machen.

Die von der SBCA und NSSA (Organisationen der amerikanischen Satellitenszene) angemieteten Räume des



Satellitenshow Las Vegas 1988: Spiegelwald auf dem Freigelände vor dem Bally's Hotel

"Bally's Hotel", einem riesigen Komplex, reichten gerade aus, die Show aufzunehmen. Angenehmer Nebeneffekt: Das "Bally's" ist instand, einen Großteil der Besucher und Aussteller unterzubringen. Prädestiniert ist das Hotel von Hause aus: es glänzte durch die weit und breit einmalige haus eigene Satellitenempfangsanlage mit sechs (!) fest ausgerichteten 3-4 m Antennen.

Desolate Verkaufslage des US Marktes

In amerikanischer Direktheit kam Präsident Rick Schneringer in seiner Empfangsrede ohne Beschönigung auf die desolaten Verkaufslage des amerikanischen Satellitenmarktes zu sprechen, die durch den Start der Verschlüsselung der Pay-TV Programme ausgelöst worden war. Der vor Jahren explosive Markt brach nach dem Umschalten etlicher Programme total zusammen. Selbst die

Spiegel hier, Spiegel dort. In den USA sind Satellitenspiegel wegen ihrer Größe unübersehbar. „Faltbare“ Spiegel, wie hier im Bild, sind eine (Not-) Lösung, die Ungetümme zeitweise unsichtbar zu machen.

GENSAT®
EUROPE
ADVANCING THE STATE OF THE ART

CDR 4/12
SERIES ER
Remote Control Digital Stereo Satellite Receiver

**REVOLUTIONARY RECEIVER/POSITIONER
SUPERIOR PERFORMANCE EASY TO USE
LOOKS GREAT HIGHEST RELIABILITY**

**GUARANTEED TERRITORIES STILL AVAILABLE – FOR INFORMATION
PLEASE CONTACT YOUR NEAREST GENSAT OFFICE:**

CONTINENTAL EUROPE
GENSAT EUROPE
P.O. Box 70
3820 AB Braamswaarden
Netherlands
Tel: (31)-2462-65331
Telex: 73454 VTL NL

satec... zeigt wie immer richtungsweisende Technik
Triax TRIASAT 2000 Qualität und Zuverlässigkeit aus Europa

- besonderes im Design
- exzellente Empfangseigenschaft
- Bestleistung durch ein innovatives Filter- und Verstärker-System
- Vorbereitet für D2 Mac Einschufstafel
- Sekundäreingang und Multisystem-Integrator

1.4 m Parabolantenne

Gewicht: 43,7 kg
Super Polar Mount
1.4 m Parabolantenne mit einer Leistung von 100 Watt
Präzise geriebene Ganzmetallspiegel
8-vollige d.h. Montageanleitung wird mitgeliefert

SATEC OSTERREICH: Mollwitzer Str. 4, 2221 Ebersdorf, Tel: (43) 3232-2444
Mollwitzer Str. 4, 2221 Ebersdorf, Fax: (43) 3232-2444

SATEC SCHWEDEN: Triax AB, Box 415, S-670 30 Västerås, Tel: (46) 803317

MWO Umformtechnik

Präzisions-Parabol-Reflektoren...

für Signale aus dem All ...

herstellen und liefern wir in Größenreihen mit Durchmessern von 300 mm bis 5.000 mm für alle Frequenzbereiche mit hervorragenden RMS-Werten und bester Oberfläche.
Als Ausgangsmaterial setzen wir Rein aluminium, Aluminiumlegierungen und Stahlblech ein.
Auch die Verstellmechanismen zur Mastbefestigung gehören zu unserem Lieferprogramm.
Gerne erwarten wir Ihre Anfragen.

MWO Umformtechnik GmbH & Co., Postfach 624, Pöschelstr. 1-7, D-4730 Alten (Watt)
Tel: (49) 48 93 9 10 81, Telex: (32) 929 74 94, Telex: 420 781 meuch d

Want More? Free Time Travel 20 Years Back:

Read Full Magazine TELE-satellite 02/1988 Here: (Sorry, available in German only)

<http://magazine.TELE-satellite.com/vintage/TELE-satellite-8805-deu.pdf>



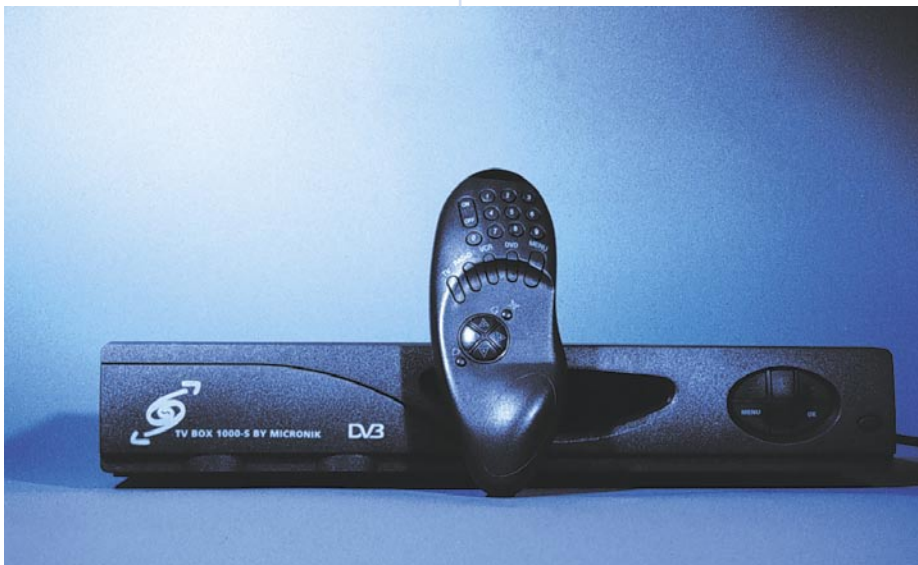
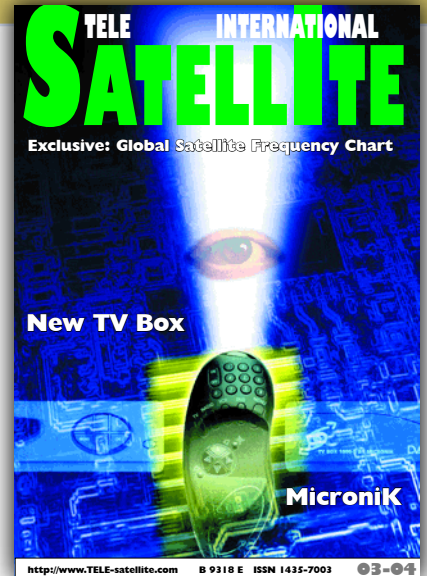
Edited by
Alexander Wiese

Mikronik TV-Box 1000-S

The digital era requires a lot of speed of manufacturers. What is a new development today will be history tomorrow. R&D departments are working overtime to keep track of all new developments. The benefit of doing everything in-house is shown by German Mikronik. They offer their new 1000-S receiver, which is a full in-house development. We have already published a test report about this receiver and did get a lot of feedback from buyers of this receiver. Mostly positive remarks designed to make a better receiver of it. This indicates that the 1000-S has been accepted by the market, otherwise people would not be

10 Years Ago

Travel into the Past
TELE-satellite Magazine
Issue 04/1999



interested in it. Very soon after this test, Mikronik released a new firmware version which could be uploaded by the users or by the retailer. One of the most nasty things in this digital era is the incompatibility of Conditional Access systems. For every pay-TV operator you will need either a separate box or a special Conditional Access Module (CAM.) This makes it so frustrating when moving around in Europe. A Dutch family moving to Switzerland can bring their receiver, but will not be able to watch any Swiss channel with it. So they will need a new, separate receiver. To overcome this situation, Common Access Modules were developed. But in practice it doesn't work all the time, as some encryption standards are still not available (Irdeto). Mikronik tried to solve this problem in a very creative way. They developed the so-called multi-access-module. It can hold up to four different PCMCIA modules and their smartcards. Whether it is Irdeto, Viaccess, Cryptoworks, Conax, Nagravision or even a complete new encryption standard, just plug it in and it is showtime. The firmware fully automatically detects the presence of the modules. Even fully integrated encryption systems can be inserted. Let's take a real-life example: a guy from Greece living in France with a Spanish wife and kids growing up together with their French friends. He doesn't want to live without the Hellas package. She wants to keep in touch with 'home' and have the Spanish package. The children want to talk to their friends about what was on French television last night. What to do? Buy three boxes? What a waste when you could solve this problem perfectly with the Mikronik 1000-S. Just plug in all the neces-

sary CAMs together with the needed smart-cards and there you are. Simple and effective. And still ready for the future, even in this situation there is still room for more. Without any CAMs at all, the 1000-S is still a very fine FTA receiver. So you can always turn to pay-TV later on, if you first decide to only FTA a while. This Multi-Access-Module (MAM) is the first to integrate a wide variety of encryption standards into one receiver. For Mikronik this means they are way ahead of the competition. For the buyer it means saving money.

Telecontrol's i-Box

We received a small black box and didn't really know what to think of it. Well, there was an IF jack on the back, but that was about it. So we rang our retired in-house tester out of the bed only to learn that he had received a similar thing quite some time ago. We took out the manual for our new TV fairy, but we still didn't know whether this was supposed to be an analogue satellite receiver with teletext, a teletext decoder with satellite TV and FM radio or something entirely different. After a while we found out why this piece of equipment is called TV fairy. For an annual fee of DEM 50 it can do a lot for you, your TV and your VCR (up to now, that applies only if you live in Germany.) Utilising the European radio data system (RDS) which was originally designed to allow FM radio stations to transmit data and information, the TV fairy helps you record your favourite TV shows without missing a second, it lets you check when your favourite movie will be on or which channel will offer films with your favourite actor within the next two weeks.





FSM 204 SAT-TV Spektrum-Analyser

A level meter and a spectrum analyzer are two of the costlier pieces of equipment that can easily drain an installer's budget. Therefore it is a logical consequence that only instruments are accepted that both serve well in the lab and up on the roof. These units must not only feature a built-in monitor and a rechargeable battery pack, but also a robust chassis that protects the sensitive electronic equipment. After all, the conditions up on a customer's roof can hardly be described as ideal for expensive equipment. Installers looking for a one-4-all unit also expect the analyzer to handle the whole frequency band which ranges from 40 to 850 MHz for terrestrial signals and from 950 to 2150 MHz for the satellite signals. Only if these demands are satisfied an installer will be able to set-up and check a client's antenna system which is used for FM, terrestrial TV and satellite signals. German company Doebis has recently introduced its JAEGER FSM204 portable level meter and spectrum analyzer which is offered at a competitive price and may even be bought by individual satellite enthusiasts and not only by professional installers. With a weight of 8.5 kg the FSM204 is not exactly a light-weight, but if one takes into account that the unit comes with a built-in monitor and a battery back that guarantees two hours of uninterrupted power supply the weight is somewhat acceptable. The terrestrial frequency range extends from 45 to 862 MHz and the IF range for satellite signals goes from 950 to 2150 MHz. The FSM204 is primarily used for the evaluation of analog satellite signals. We did some preliminary tests on a purely digital satellite (like the two DFS of Deutsche Telekom) and were able to meter the signal strength of digital bouquets, if the peaks on the spectrum analyzer are metered. However, it is not possible to determine the quality of digital signals. After all, comparable units for digital signals are twice as expensive.

Antennas in Poltava

Poltava is a humanitarian center of Ukraine. About 380 thousands citizens of Ukraine now live in Poltava. Antennas on the walls and roofs of houses obviously illustrate the interests of modern Poltava inhabitants on the boundary between 20th and 21st centuries.



The overwhelming majority of Poltava inhabitants watch the programs of national TV of Ukraine, which are relayed from Poltava and Krasnogorovka (about 80 kms from Poltava) in VHF and UHF band: "Ut-1", "Ut-2", "Inter", "ICTV", "UTA", "STB", and also Kharkov channel "Simon" and local channel "Ltava". The off-air reception is very cheap. The air antenna, most popular in Poltava, - "shaggy" VHF/UHF antenna of Polish manufacturing with the built-in amplifier and included power supply unit. Its value on the city market is about \$11. For 3-4 TV sets connection a standard 15-20 dB divider TAP is used, sometimes it is supplied by a divider "1:2", if not 4, but 5 places of TV set connection are made in the apartment (in the house). Satellite TV as the mass phenomenon exists in Poltava since 1995. Before that

time only few amateurs that had been abroad had the satellite systems. Main distributors of satellite systems in Poltava are the trade firms "Satellit", "Poisk", "Condor", "Promelektronika", "Voyage", Kiev "Romsat" representatives, and also few enthusiasts. As it is seen, the competition is strong. By the middle of 1998 there are approximately 700 satellite antennas total in Poltava and nearest neighbourhoods according to the experts' estimation, and each year this number increases by 200. If to accept 700 Poltava antennas as a unit, then about 10% of installed antennas are antennas with a 0,9 m diameter, about 50% of antennas with diameters 1,15 - 1,20 m, about 20% with a diameter 1,4 - 1,5 m and about 15% with a diameter 1,8 - 2,2 m and more. The largest satellite antennas in Poltava are 3,7 - 4 m, they are in a professional application.

Echostar & S.C.I.

After a roll call by Echostar and S.C.I. six European expert journalists undertook a journey all the way to the Scottish highlands and took over historic Blairquhan Castle for a night (and that included a fine supply of Scottish Whisky collected by the Hunter-Blair clan). On the next morning the leap from 18th century sobriety to 20th century technology couldn't have been more eye-opening, when we were transferred to S.C.I.-UK's new production facility in Irvin. Echostar Vice-President Richard Innemee presented his company's new strategy, and S.C.I. Vice-President Jim Ferguson took us on a tour around one of the 35 S.C.I. production sites where Echostar products will be assembled in the future. Founder and current CEO of Echostar, Charlie Ergen, entered the market in 1980 with the ambitious motto "a dish in every home". The established players in the US market at first ridiculed that goal, and in the European and Asian markets Echostar had yet to make a name for itself. However,



While in 1980 Charlie Ergen's vision was sneered at, in 1999 Ergen controls a company which is the only one in the world to offer both DBS satellite services and all the necessary hardware and software products. Furthermore Echostar operates a huge uplink center in the USA, owns four satellites with a DBS capacity of 90 transponders and offers complex solutions from planning to operating.

SCI

One of world's biggest manufacturer of electronics components for entertainment products, the military and medical equipment company was chosen as an ideal partner for Echostar. With an excellent name in medical equipment, SCI has proven to guarantee uncompromising quality in its 35 production facilities all over the world. That way regional Echostar products can be produced close to the actual end-market. Among the pluses of SCI are fixed prices, continuously high quality, and a reliable flow of information between the ordering company and the manufacturer. One of the best equipped SCI facilities can be found in Irvin and it was here that a TELE-satellite journalist was able to look at how an Echostar receiver is being assembled. All production stages are carried out automatically, except for the final check and the packaging which are done manually. At the final check the receiver is brought to life for the first time. While many manufacturers only carry out a quick test, at SCI in Irvin all receivers are put to a test that simulates six hours of continuous operation in order to detect any weaknesses or malfunctions. All units that are not 100% OK are repaired manually and then enter the production and evaluation process again so that only top-quality units leave the site. SCI is also proud of its excellent reputation as a PC manufacturer. It would be wise to check if the motherboard features the SCI logo before buying a new computer. Unfortunately the sales staff at your electronics store will not be too happy with such a request. As far as military equipment is concerned, a look into the famous Janes Handbook of Military Communications reveals that quite a few units are SCI products. In the satellite receiver business a complete range of international companies cooperate with SCI, so that our TELE-satellite journalist came across units that are produced for companies like Philips, Nokia, HTS and of course Echostar.

Echostar's competitors in the USA started to worry as soon as the first receiver with an integrated positioner was introduced by Echostar and kickstarted the company from newbie to market-leader status. In 1989 Echostar decided to conquer the old world and opened regional headquarters in the wharf district of Rotterdam, only to move to a new and generously laid out center in Almelo (Netherlands). The major asset in this phase of expansion was the SR4500 receiver, which was later replaced by the new SR5500 which surprised both importers and consumers. The following years saw the introduction of two less successful follow-ups to the SR5500, until the SR8700LT was put in the market and was as good a seller as the legendary SR5500. However, for no particular reason the high-end segment of the receiver market idled for quite some time and loyal Echostar enthusiasts almost felt neglected, since Echostar obviously had started to focus on its satellite business which included the company's first DBS satellite. It came as a big surprise that - coinciding with our Scottish weekend - Echostar introduced the sophisticated AD-2000IP receiver which is

designed to follow the 8700LT's footsteps as a state-of-the-art unit for the high-end market. While Echostar is back on track in the receiver business the whole company expanded dramatically over the past few years and has been restructured to accommodate all sectors of the business. In Colorado, Wyoming and The Netherlands Echostar serves as an operator of a whole fleet of satellites, Pay-TV provider and up- and downlink provider. These different branches are now bundled into the following groups: DISH-NETWORKS, ECHOSTAR TECHNOLOGIES CORP (ETC), ECHOSTAR SATELLITE SERVICES (ESS) and ECHOSTAR INTERNATIONAL CORP (EIC). With these services Echostar is able to offer a comprehensive range of products and services ranging from data and educational services to turnkey satellite solutions for Africa, Europe and the Middle East. One example of the enormous expertise of Echostar is the second digital platform in Spain which is a typical turnkey product. The company is currently working on broadband internet access (ICEbox project) and the MediaStream network control system in cooperation with MEDIA4.



Sagem ISD 3100

Recently we received a new digital set-top box which supports the Open-TV standard. It's a French receiver, called Sagem ISD 3100, and it comes with a built-in Viaccess decoder. Perhaps you have already seen how many channels are using Viaccess today, not just in France. A good example is the Russian NTV for which smartcards are very easy to get. Although the ISD 3100 is basically a Free to Air receiver, the Viaccess integration is a very welcome addition. In fact, the Sagem is a very back to the basics receiver, without any unnecessary gadgets. Operation is very simple, but done to keep it clear for a larger audience. The ISD 3100 is in fact designed for reception of two European satellite systems: Astra and Hotbird, or perhaps a Scandinavian satellite as well. On the front you will only find the emergency buttons together with a LED indicating the status of the receiver. Of course, there is a smartcard slot for the Viaccess system. At the back, two Scart (Peritel) connectors take care of the connections to the rest of your equipment. Together with two phono jacks for supplying your stereo with sound. Additionally a phono connector with composite video can be used to supply an extra monitor with the video signal. To update the firmware or settings, an RS-232 interface is present. An analogue or second digital receiver can be connected to the LNB output. There is no RF modulator built-in. Looking at the extensive on-screen display we believe it's even the better. The remote control is not just an everyday one. The numeric keys are shaped like the numbers itself, making it easy to find them even if it is dark. Since Open-TV is supported, there are a few buttons more on the remote. But grouped together and marked with colours, they pose no problem in everyday use where you will only use the numeric keys and the ones beyond. Fear of the remote control, of any, disappears very rapidly when using it for just a short time.

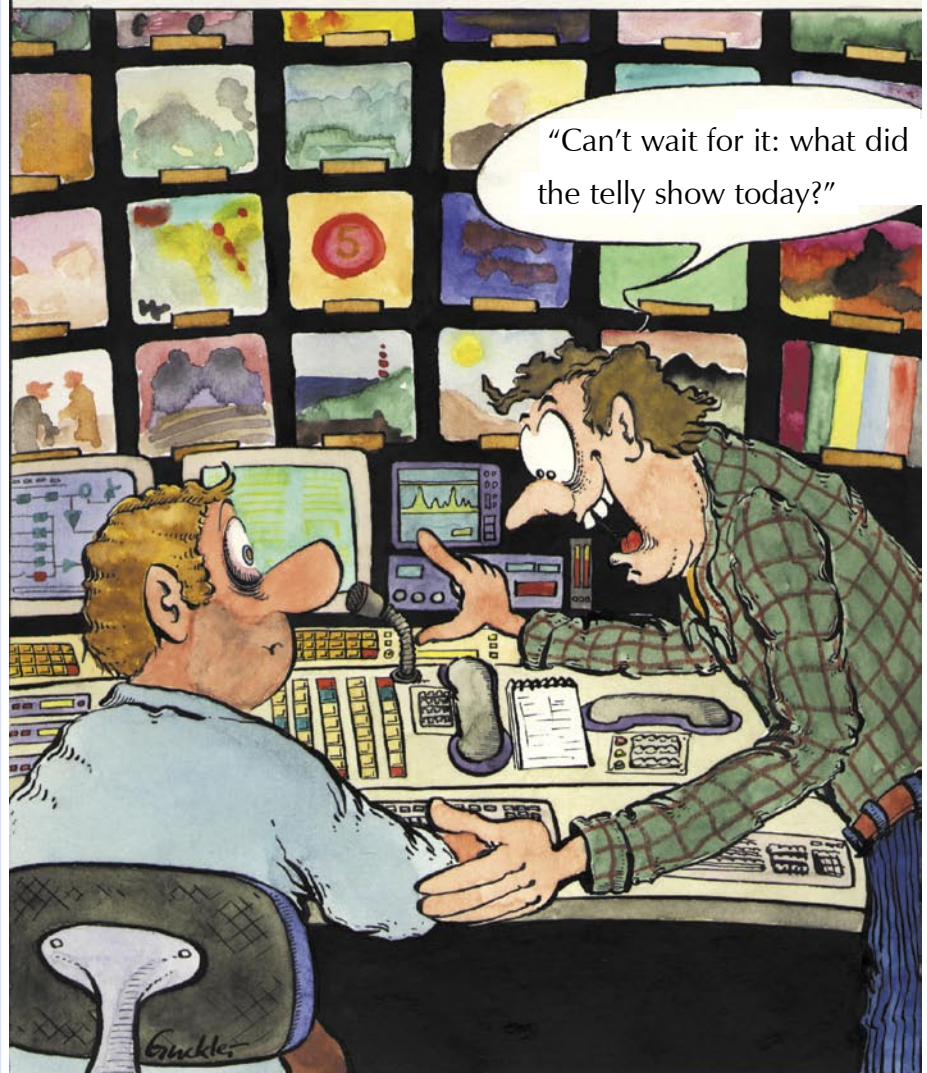
Measuring analog and digital, now and in the future

Buying a measuring device for signals is always a serious job. Not because it is expensive, but more so because it must be in operation for many years. Newly bought measuring devices should, therefore, also be able to process digital signals. The new R.O.V.E.R. SDA-4 & 5 Digisky coming from Italy is capable of measuring analog and digital QPSK satellite signals. The input can handle signals from 950 up to 2150MHz. And the channel memory of 200 channels should be enough for average use. Besides the signal strength it also shows the frequency. It can measure the error rate of digital signals and when channel IDs are integrated in the data stream the names are visible on-screen.



One of the more rare functions is the possibility to measure the signal/noise figure for analog signals. Other receivers can be connected to this unit without any loss in signal strength or quality. A Digisky is yours for only DM 1.600 (incl. VAT). It only weighs 1.2kg and can do its job up to 3 hours on its battery. When the battery runs dry it warns you perfectly on time.

The other day, the new shift arrives at work in the satellite control station



Want More? Free Time Travel 10 Years Back:

Read Full Magazine TELE-satellite 04/1999 Here:

<http://magazine.TELE-satellite.com/vintage/TELE-satellite-9904-deu-eng.pdf>



Read Previous Issues Online

TELE-satellite is available in 20 language versions:

Missed TELE-satellite?



Arabic العربية
www.TELE-satellite.com/ara/

Indonesian Bahasa Indonesia
www.TELE-satellite.com/bid/

Bulgarian Български
www.TELE-satellite.com/bul/

Czech Český
www.TELE-satellite.com/ces/

German Deutsch
www.TELE-satellite.com/deu/

English
www.TELE-satellite.com/eng/

Spanish Español
www.TELE-satellite.com/esp/

Farsi فارسی
www.TELE-satellite.com/far/

French Français
www.TELE-satellite.com/fra/

Greek Ελληνικά
www.TELE-satellite.com/hel/

Croatian Hrvatski
www.TELE-satellite.com/hrv/

Italian Italiano
www.TELE-satellite.com/ita/

Hungarian Magyar
www.TELE-satellite.com/mag/

Chinese 中文
www.TELE-satellite.com/man/

Dutch Nederlands
www.TELE-satellite.com/ned/

Polish Polski
www.TELE-satellite.com/pol/

Portuguese Português
www.TELE-satellite.com/por/

Russian Русский
www.TELE-satellite.com/rus/

Swedish Svenska
www.TELE-satellite.com/sve/

Turkish Türkçe
www.TELE-satellite.com/tur/

DS4H-6550

Fully DVB-S / DVB-S2 (H.264) HD Compliant
PVR Ready Using USB 2.0 High Speed External HDD
1 Smart Card Reader & Common Interface (2 CI slots)



DS4H-9160

Fully DVB-S / DVB-S2 (H.264) HD Compliant
Dual DVB-S2 HD Tuners
Two(2) channel Recording while watching Play-back
Linux Operating System
Maximum 1TB(terabyte) HDD Supported
Common Interface (2 CI slots)

DS4H-8150

PVR Ready



DIZIPiA

0004 DAYSTAR

DS4H-9160
HIGH DEFINITION DIGITAL SATELLITE RECEIVER
TWIN-4-CI
HDMI
DVI

www.dizipia.com

WATCH THE WORLD WITH JIUZHOU

LNBF SERIES
 DVB/ATSC DIGITAL STB
 -SERIES
 CATV SERIES
 DISH ANTENNA SERIES



HD KU Universal Satellite LNBF

High end HD KU band single output LNBF newly released with full intellectual property right.

JIUZHOU SATISFIES ALL YOUR NEEDS!



Digital Satellite FTA Receiver with USB Recording

NABSHOW
 Where Content Comes to Life™
 Apr 20-23, 2009
 Our Booth No. C861



Dish Antenna



L Band Optical Transmitter

JIUZHOU SINCE 1958

JIUZHOU ELECTRIC GROUP

Headquarters: NO.16 Yuejin Road Mianyang, Sichuan, China
 Shenzhen Base: Jiuzhou Electric Building, Southern No.12 Road, Hi-Tech Industrial Park, Nanshan District, Shenzhen, China 518057

Contact: Ms. Kitty He
 Tel: +86-755-2694 7236
 Fax: +86-755-2671 5408
 E-mail: hxymer@jiuzhou.com.cn
 Website: www.jiuzhou.com.cn