# Icecrypt S3500HDCCI

- uses a very powerful chipset



## **TELE-satellite Magazine Business Voucher** ww.TELE-satellite.info/12/01/icecrypt-S3500HDCCI

**Direct Contact to Sales Manager** 

S3500HDCC



ICEERMPT

• extremely tiny but fully equipped Linux receiver • includes a sophisticated blindscan mode • less than 1 second for FTA channel zapping • can be upgraded with lots of useful applications



Miniature HDTV Satellite Receiver TEST REPORT

S3500HDCCI



# **Ferrari Engine** in a Mini Morris

You could easily pass by and do not pay any attention to this unpretentious small box. Actually it is that small that you could put two S3500HDCCI receivers side by side on a single page of this TELE-satellite magazine. Placing it near a 50 inch flat panel TV creates an amusing impression. It is like putting a mouse near an elephant. However, the possibilities of this "mouse" are astonishing!

Its front panel is very ascetic – just three buttons and a single status LED shining either in red or green. However, as soon as you look at the rear panel you start thinking that perhaps your very first impression is quite wrong. PCMCIA connector for CA modules, card reader slot, USB for external memory or hard disk, Ethernet for connection to the Internet, HDMI and optical S/PDIF ports are you expect to find in a simple small box.

You might be a little bit surprised that there is neither a SCART connector nor three color RCA outputs with CVBS video and stereo audio but closer examination reveals that there is a mini jack connector between HDMI and S/PDIF ports. Having suitable A/V cable (mini jack to 3xRCA) you can easily route analog video and audio to your old TV-set or VHS recorder if you still have one. Additionally, there are: 12 V DC power input connector, RS-232C port and a connector for an optional infra red receiver if you want to hide the S3500HDCCCI but still be able to control it with its remote control. Of course, a plug type power supply unit is also included.

A look at the remote control units leaves no doubt -S3500HDCCI is equipped with PVR functions and even not necessarily the things some trick modes normally associated with much bigger receivers. The remote sits

nicely in hand though its rubber keyboard is rather typical for not so expensive models. But this is not the end of the surprises. When you connect the S3500HDCCCI to your TV set and see its full color on-screen graphics and when you experience the speed of operation you can not believe that it all comes from this tiny box. And that's not all. It is a Linux based receiver! It means a possibility to install many interesting plugins and add-ons available on the Internet for this kind of receivers. S3500HDCCCI is like a top class receiver without some not-so-necessary features. But the power of its processor, capacity of internal memory or Internet related functions are the same as in top class receivers. Even blindscan channel search is available! Can you believe it?

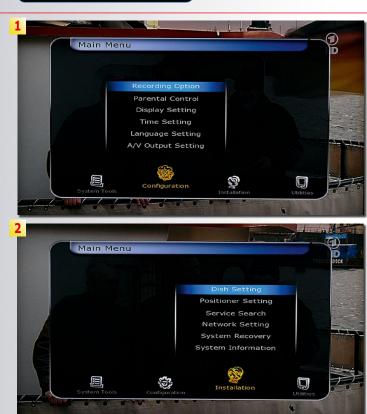
the beginning. This Icecrypt receiver right after the first

power up asks you to select the OSD language. The choice is pretty wide: English, French, German, Dutch, Greek, Spanish, Arabic. Italian, Portuguese, Turkish, Russian, Polish, Czech, Swedish, Suomi, Danish, Norwegian, Slovenian, Slovak, Macedonian, Romanian, Serbian, Hungarian and Thai. The next installation step is the selection of local time zone and turning on or off light saving time.

When you are through with these basic settings, S3500H-DCCI takes you to the service search menu. Before the search, you have to select the right satellite and check the configuration of your antenna system. The Icecrypt box is compatible with all DiSEqC protocols (1.0, 1.1 and 1.2). We checked during our test the operation with 1x4 and 1x8 switches as well OK, but let's start from as a DiSEqC motor. Everything worked perfectly. You can use any type of LNB with







| Storage Manager | 18:53/04-Oct-2011[Tue] |
|-----------------|------------------------|
| Current Device  | VSB1                   |
| Status          | Mounted                |
| File System     | FAT32                  |
| Total           | 7696 MB                |
| Free            | 66% (5146 MB)          |
| Format          |                        |
| Storage Check   |                        |
| Play List       |                        |
|                 |                        |
|                 |                        |
|                 |                        |
|                 |                        |

| [ All Service ]     | Locked Services |                   |
|---------------------|-----------------|-------------------|
| 217 TAQUILLA XX     | ^               | -8-               |
| 218 TAQUILLA 5      |                 |                   |
| 219 SVC_30522 Serv  | ice             | A CONTRACTOR      |
| 220 ServusTV HD Oe  | 5               |                   |
| 221 ServusTV HD Der | u               |                   |
| 222 SVC_29802 Serv  | ice             | Select Edit Mode  |
| 223 Das Erste HD    |                 | Lock/Unlock Servi |
| 224 ZDF HD          |                 | Move Services     |
| 225 arte HD         | ~               | Delete Services   |
|                     |                 | Skip Services     |
| Astra 1F 1M         |                 |                   |
| 11362 [H] 22000     |                 |                   |

| Recording Option                  | 18:53/04-Oct-2011[Tue] |
|-----------------------------------|------------------------|
| Alarm Confirm Message             | Оп                     |
| Recording Stop Message            | On                     |
| Extra Recording Time Before Start | Off                    |
| Extra Recording Time After Finish | Off                    |
| TimeShift Start                   | Auto                   |
| TimeShift Duration                | 120 Min                |
| Playback Position Jump            | Auto                   |
| Playback Numeric Function         | Percentage Move        |
| TimeShift Device                  | USB1                   |
| Record Device                     | USB1                   |
|                                   |                        |
|                                   |                        |
|                                   |                        |
|                                   |                        |

the receiver: single, universal or unicable. Of course, all LOFs are supported.

channel search modes: Automatic, Manual, Advanced, Fast and Blindscan. Automatic scan is a most common search mode based on the factory preprogrammed satellite and transponder data. There are 162 satellites available from all over the world! In the unlikely event that the satellite you are looking for is not on the list, you can add it manually as there are four user defined positions added at the bottom of the list. The Manual search mode let you choose a specific transponder to search. The Advanced mode is similar to Manual but you can define audio, video PIDs and detect in this way normally hidden channels. The Fast mode is a search dedicated for a particular satellite provider. Presently S3500HDCCI has two possibilities here: Canal Digitaal and TV Vlaanderen.

naturally the blindscan. The receiver scans the frequency band and tries to detect transponders without referring to any preprogrammed transponders data. In this way, it can discover also the brand new transponders that did not operate when the manufacturer was releasing the firmware and created satellite and transponder data for S3500HDCCI . There is no need to scan always the entire band in both polarizations. The receiver allows you to specify narrower frequency range and choose polarization.

The Automatic search of ASTRA satellite on 19.2° East took 3 minutes and 45 seconds with the network option

- 1. Configuration menu
- 2. Installation menu
- 3. Storage Manager
- 4. Service List Manager

5. Recording Options

turned off. The S3500HDCCI found 894 TV services and 221 radio services. When we There are no fewer but five turned the Network option on, the channel search time increased to 6 minutes and 20 seconds but the box was able to find 21 additional TV services. The scan ended up with 915 TV and 221 radio channels.

> After testing the Automatic search mode, we did the reset to factory defaults and started the Blindscan. We set the receiver to scan the whole band and both polarizations. We were prepared for quite a long wait but to our great surprise, S3500H-DCCI was through after merely 10 minutes and 15 seconds. It announced it had found 918 TV and 221 radio channels. The results are impressive. Icecrypt box did a really good job!

We searched a number of other satellites using our DiS-EqC motorized dish as well as DiSEqC switches: 1x4 and 1x8. Everything worked per-The most exciting mode is fectly. Occasionally, S3500H-DCCI halted during a channel search and we had to restart the scan. However, this did not cause any loss of previously stored channels. Channel zapping is fast and

> pleasant in S3500HDCCI: less than one second for the FTA channels and a little longer for the scrambled channels what is natural as descrambling takes extra time. An at first sound as a negligible improvement but after a

information box that appears right after a channel change is clearly designed and apart from the typical data, it can show you something extra. If set so in the Display menu, the information box shows you not only the title and start and end times of the present event but also the title and start and end times of the following event. It might

| Info Box Event Type  |  |
|--|--|
| Volume Bar Display Time  | 1 Sec  |
| EPG Time scale   | 2:00   |
| Start MHW-Epg Automatically  | Off  |
| Zapping Mode   | Freeze   |
| Simple Service List  | On   |
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| A/V Output Setting   | 18:54/04-Oct-2011[Tue]   |
|  |  |
| TV Type  | Auto   |
| TV Aspect Ratio  | 16:9   |
| Display Resolution   | 1080P  |
| Display Format   | Pillar Box   |
| HDMI Dolby Digital   | Off  |
| Dolby Digital Default  | off  |
| Sound Mode   | Stereo   |
| Power Saving in Standby Mode   | off  |
| Audio Sync Delay   | 0 ms   |
|  |  |
|  |  |
|  |  |
| Dish Setting   |  |
| Dish Setting   | ASTRA 1  |
| Dish Setting<br>Satellite  |  |
| Satellite  | 19.2E Astra 1F 1M  |
| Satellite<br>Frequency   | 19.2E Astra 1F 1M  |
| Satellite<br>Frequency<br>LNB Power  | 19.2E Astra 1F 1M<br>11362 MHz<br>On   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type  | 19.2E Astra 1F 1M<br>11362 MHz<br>On<br>Universal  |
| Satellite<br>Frequency<br>LNB Power  | 19.2E Astra 1F 1M<br>11.862 MH2<br>On<br>Universal<br>9750   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency   | 19.2E Astra 1F 1M<br>11.662.MH2<br>On<br>Universal<br>9750<br>10600  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DiSEqC Switch  | 19.2E Astra 1F 1M<br>111362-MH2<br>On<br>Universal<br>9750<br>10600<br>Off / Off   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting  | 19.2E Astra 1F 1M<br>11.662.MH2<br>On<br>Universal<br>9750<br>10600  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DiSEqC Switch  | 19.2E Astra 1F 1M<br>111362-MH2<br>On<br>Universal<br>9750<br>10600<br>Off / Off   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting  | 19.2E Astra 1F 1M<br>111362-MH2<br>On<br>Universal<br>9750<br>10600<br>Off / Off   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search  | 19.2E Astra 1F 1M<br>11662 MHz<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DisEqC Switch<br>Positioner Setting<br>Service Search  | 19.2E Astra 1F 1M<br>11362 MHz<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search  | 19.2E Astra 1F 1M<br>11662 MHz<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DisEqC Switch<br>Positioner Setting<br>Service Search  | 19.2E Astra 1F 1M<br>11362 MHz<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DisEqC Switch<br>Positioner Setting<br>Service Search  | 19.2E Astra 1F 1M<br>11362 MHz<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DisEqC Switch<br>Positioner Setting<br>Service Search  | 19.2E Astra 1F 1M<br>11362 MHz<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search<br>Level 96%<br>9 Delete TP<br>9 Edit TP   | 19.2E Astra 1F 1M<br>11862 MHZ<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality<br>Quality<br>Quality<br>Reference<br>87%  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DisEqC Switch<br>Positioner Setting<br>Service Search  | 19.2E Astra 1F 1M<br>11362 MHz<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search<br>Level 96%<br>9 Delete TP<br>9 Edit TP   | 19.2E Astra 1F 1M<br>11862 MHZ<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality<br>Quality<br>Quality<br>Reference<br>87%  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Trequency<br>DISEqC switch<br>Positioner Setting<br>Service Search<br>2 Delete TP<br>Celete TP<br>Celete TP<br>Celete Setting   | 19.2E Astra 1F 1M<br>11.862 MH2<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality ■ 87%<br>■ Add TP<br>■ Extended Signal  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Trequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search<br>Level 06%<br>Delete TP<br>Selat TP<br>Network Setting<br>Connection Type  | 19.2E Astra 1F 1M<br>11.362 MH2<br>On<br>Universal<br>9750<br>10800<br>Off / Off<br>USALS<br>Quality 87%<br>Extended Signal<br>18:55/04-Oct-2011[Tue]  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search<br>Delete TP<br>Edit TP<br>Network Setting<br>Connection Type<br>DHCP  | 19.2E Astra 1F 1M<br>11:802 MH2<br>On<br>Universal<br>9750<br>10:000<br>Off / Off<br>USALS<br>Quality ■ 87%<br>Add TP<br>Extended Signal<br>18:55/04-Oct-2011[Tue]<br>Ethornet<br>On<br>192.166.1,104  |
| Satellite<br>Frequency<br>LNB Power<br>LNB Trequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search<br>Delete TP<br>Edit TP<br>Connection Type<br>DHCP<br>JP Address<br>Subnet Mask  | 19.2E Astra 1F 1M<br>11.362 MH2<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality<br>Quality<br>Extended Signal<br>18:55/04-Oct-2011[Tue]<br>Ethornot<br>On<br>192.168.1.104<br>255.255.0   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search<br>Delete TP<br>Delete TP<br>Edit TP<br>Connection Type<br>DHCP<br>JP Address<br>Subhet Mask<br>Gateway  | 19.2E Astra 1F 1M<br>11:362:MH2<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality [   |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search<br>Delete TP<br>Delete TP<br>Delete TP<br>Delete TP<br>Delete TP<br>Delete TP<br>Delete TP<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DEL | 19.2E Astra 1F 1M<br>11.862.MHZ<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality ■ 87%<br>Add TP<br>Extended Signal<br>18:55/04-Oct-2011[Tue]<br>18:55/04-Oct-2011[Tue]<br>18:55/04-Oct-2011[Tue]<br>192.168.1.104<br>255.255.255.0<br>192.168.1.1<br>194.204.152.34 |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DisEqC Switch<br>Positioner Setting<br>Service Search<br>DisEqC Switch<br>Positioner Setting<br>Service Search<br>DisEdT<br>Service Search<br>DisEdT<br>Service Search<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT<br>DisEdT   | 19.2E Astra 1F 1M<br>11:362 MH2<br>On<br>Universal<br>9750<br>10:000<br>Off / Off<br>USALS<br>Quality ■ 87%<br>Add TP<br>Extended Signal<br>18:55/04-Oct-2011[Tue]<br>Ethernot<br>On<br>192.168.1.104<br>255.255.255.0<br>192.168.1.1<br>194.204.152.34<br>194.204.159.1                 |
| Satellite<br>Frequency<br>LNB Power<br>LNB Type<br>LNB Frequency<br>DISEqC Switch<br>Positioner Setting<br>Service Search<br>Delete TP<br>Delete TP<br>Delete TP<br>Delete TP<br>Delete TP<br>Delete TP<br>Delete TP<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DELET<br>DEL | 19.2E Astra 1F 1M<br>11.862.MHZ<br>On<br>Universal<br>9750<br>10600<br>Off / Off<br>USALS<br>Quality ■ 87%<br>Add TP<br>Extended Signal<br>18:55/04-Oct-2011[Tue]<br>18:55/04-Oct-2011[Tue]<br>18:55/04-Oct-2011[Tue]<br>192.168.1.104<br>255.255.255.0<br>192.168.1.1<br>194.204.152.34 |

Info Box Event Typ

Display Setting

Info Box Position



Oynamic Settings



ever want to switch back to navigate among the screentraditional an information shots deciding which channel box with only present event you want to see live. shown. Other satellite receivers offer you a possibility to not so popular in other resee the future event after ceivers - is regarding chanpressing right arrow. But if nels from a single satellite you love channel zapping, like one of the favorite lists. the Icecrypt solution saves For example, you can have you time and increases the the favorite lists: Drama, pleasure of playing with your Sports, News, but also Asreceiver.

the ability to set the audio need to have an extra button volume as normal, increased on the remote called SAT or or decreased for every chan- something like that. We like nel independently. Every sat- this approach and recomellite fan will appreciate this mend the other manufacturfeature. Thanks to that you ers to adopt this idea. can zap channels more comfortably without any fear that grid mode and list mode. The suddenly you will wake up grid mode is a table in which the whole house by entering a channel name is shown in a channel with unnaturally the first column while the high audio level. Once you channel events are shown pinpoint such channel, you as rectangles in the same set its audio to be 30% down line, to the right of the chanand every next time you nel name. The length of the visit the channel its audio rectangle is proportional to is somewhat muted. It also the event duration. The list works the other way - if you mode shows the event titles find a channel with too low of the present channel listed audio, you can set it individu- one below the other. While ally to be played 30% louder. the grid mode is more con-

ing the S3500HDCCI is ad- sions what to watch on which ditionally increased due to channel right now or in the trick modes it offers: picture near future, the list mode in picture and mosaic pic- is guicker when you want to ture. Picture in picture lets find a favorite event in the you easily choose a channel to monitor in an inset, in- S3500HDCCI allows you not terchange the main and the only to mark an event for monitored channel or show automatic recording but also them in equal size side by to set a reminder. If you do side. And everything with so, three minutes before the just a single button press. start of the chosen event, The mosaic shows you 12 you will see a message tellfrozen screenshots of 12 dif- ing you that in three minutes ferent channels (assuming there are 12 or more on the current transponder) and one the event. channel active in the middle.

6. Info box can be set to show present and following events 7. A/V Output Settings 8. Dish Settings 9. Network Settings 10. We installed the free JpgViewer plugin downloaded from the Internet

this feature that you do not With the arrow buttons you

An interesting solution tra 19.2° E and Hotbird 13° Another improvement is E. Thank to this, you do not

EPG works in two modes: The pleasure of operat- venient when making decimore distant future. EPG your receiver will tune to the other channel to present you

> All channel edition functions that you may ever need are there. You can delete, move, or copy a channel to one of many favorite lists and so on. And also here you have a feeling that the user interface has been thought





230 Renault TV H Sort Lists Set Favorites Service Find Service List Op

229

ETB Sat





over profoundly. There are no unnecessary button presses required. If you want to move or delete a bigger number of channels, it does not take you that long as in the other receiver models. Excellent job!

Not only during channel edition but also in normal viewing, when you invoke the channel list with the OK button, you have plenty of possibilities to sort channels and search for specific channel or provider names. At the beginning, it may look a little bit confusing - that many options you have. Fortunately, everything is so logical that you master handling your receiver in a short time. And because the S3500HDCCI is exceptionally fast, running even more complex functions that require a lot of navigation over menu structure is as immediate as simple functions in other receivers.

Speaking about the menu, as soon as you enter it, you realize how configurable your S3500HDCCI is. The list of things is very long – you can get a good feeling on what you can do with this receiver by looking at the screenshots we did for you. Even such small things like the timeout of the volume adjustment bar graph can be adjusted. Satellite fans will be delighted having that many possibilities at their fingertips.

And as we are at the customization, we would like to remind you that the Icecrypt receiver is Linux based. This means that you are able to install plugins and add-ons developed for this and similar receivers. Not every plugin developed for Linux based **11. Free TV+ lets you choose** 

from YouTube and Earth Touch services

12. Searching Queen clips on YouTube 13. Service List

14. Searching specific service on the list15. Satellites are regarded as a

kind of a favorite list

receiver will work on every model so some experimenting may be necessary. Among the most exciting possibilities is the web browser. We installed a viewer for JPG files. That's because on our TVset, the S3500HDCCI tended to display 4:3 JPG photos stretched unnaturally to a 16:9 aspect ratio. To get correct proportions, we had to degrade video resolution to 576p. The plugin solved the problem for high video resolutions. All our photos are shown correctly now. That's a small example how useful a plugin can be. Where to find plugins? The most convenient way is to start with the Internet forums dedicated to Icecrypt receivers and then explore the forums for other Linux based receivers. As we noted, some plugins originally developed and tested for the other receiver brands will also work when installed on S3500HDCCI.

Many plugins require connection to Internet. Achieving this with the S3500HDC-CI is simple: you only need a router supporting DHCP. Everything goes automatically. However, if you wish, you can configure your connection manually. But this is not all. The receiver can connect with a Wi-Fi network via an external USB device. It is somewhat slower than a cable connection but if you do not have a PC network available in your living room that can be the only option. Consult the user manual for compatible USB devices.

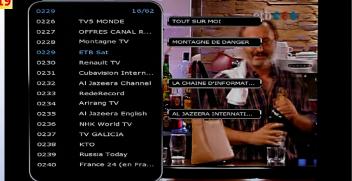
Icecrypt box has a USB port as well as all required buttons on its remote control, so it must be ready for PVR operation. And indeed, not only regular recording and time-shift functions are provided. You can record as many as three channels at the same time while watching two others (using PIP function for example). Of

### CECRMPT









course, one can take full advantage of such great performance having not one but two tuners. If you think you might be needing concurrent recording and watching channels from different transponders, you should think of another Icecrypt model – the two tuner STC6000HD PVR that we presented recently in TELE-satellite 10-11/2011.

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Actually, when we turned on the small S3500HDCCI, we had the impression of a déjà vu. The OSD looked pretty much the same as in STC6000HD PVR. OK, we said to ourselves, that's a reasonable approach to reuse thousands of lines of software code for the next product. But will this software work fast enough in this small box, presumably with

simpler and cheaper chipset? And as you already know, it worked as fast as in its bigger brother. Evidently, the chipset is not any simpler and cheaper. That's why we titled our report as we did. You take a seat in a small Mini Morris, press the pedal and you get flattened by acceleration produced by its engine. Evidently, this is not what you expect from a small and apparently lower performance product. S3500HDCCI by no means can be named low performance. On the contrary, this is the top class product stripped from the second tuner, VFD display and a few interfaces that did not fit on a small rear panel. But the speed and power are unchanged.

[3.46 MB] 3072 \* 2304

UNIT IN

Even the remote controls



are interchangeable between the two models. For some people who would love to have not one but more Icecrypt receivers in their A/V cabinet this may be a problem. But for a vast majority of users, this problem is only theoretical.

All the reception tests we did proved that S3500HDCCI has a very sensitive tuner and can deal with very weak signals as well as signals with small and high symbol rates. Sometimes when you switch to a low symbol rate channel, like 2000 kbps, you have to wait longer before you can watch it. It is not one second but 3-4 seconds before the receiver locks to the signal. This happens also in other receiver brands as most of the receivers are optimized for higher symbol rates.

Except for a small problem with the aspect ratio of photographs when watched in high resolution settings, we did not encounter any problems when dealing with multimedia. MP3 files as well as AVI and MPG files were played back correctly, not to mention of course the playback of recordings done with the receiver. It is very con16. EPG - grid mode 17. PIP mode works perfect for HD channels 18. Mosaic View 19. Simple Service List 20. Selecting soundtrack 21. Picture viewer 22. A recorded file is about to be played

23. Radio channel

venient to connect an external USB HDD and keep there all vour multimedia files.

Before we end this report, we would like to mention one important feature of the box. This is the power saving mode. Normally, when this mode is not activated, the receiver consumes about 10 Watts in normal operation and 5 Watts in standby. Switching from standby to operate takes only 4 seconds. But when you activate in the menu the option called "Power saving", the power consumed in standby drops almost to zero (well below 1 Watt). The receiver consumes almost no electric energy. Naturally, it has to take longer to wake up from such a deep standby. And this is 35 seconds. It is up to the user, but we think that many of them will choose to be eco-friendly and turn this option on.





### **Expert Opinion**

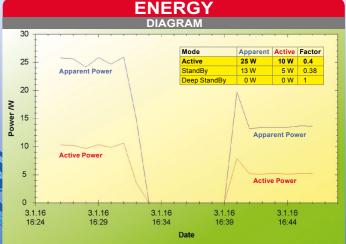
Extremely powerful and fast HD PVR receiver matching the top class models. Almost endless configuration options but still very user friendly. 1080p video output. All DiSEqC protocols Very good video and audio quality Small power consumption and extremely ecofriendly power saving mode



It can halt occasionally during channel scans and you have to restart the scan then.

### **TECHNICAL**

| DATA                      |   |  |
|---------------------------|---|--|
| Manufacturer              | Icecrypt, Great Britain                                       |  |
| Fax                       | 01795 427 666   |  |
| E-mail                    | info@icecrypt.com   |  |
| Web page                  | www.icecrypt.com  |  |
| Model                     | S3500HDCCI  |  |
| Function                  | HD PVR enabled satellite receiver                             |  |
| Input Signal Standards    | DV352 / DV352, MPEG2 and MPEG4                                |  |
| Input Frequency           | 950 ~ 2150 MHz  |  |
| Symbol Rates              | 2-67.5 Ms/sec for <b>DV3</b> and 2-52.5 Ms/sec for <b>DV3</b> |  |
| DiSEqC                    | 1.0, 1.1, 1.2   |  |
| Audio                     | AC-3 Dolby Digital and MPEG 1 Layer 1,2 and 3                 |  |
| Video                     | From 480i through 1080p                                       |  |
| Number of Channels Stored | 10.000  |  |
| Power Supply              | AC 100 ~ 240 V 50/60 Hz                                       |  |
| Power Consumption         | 12 V/2A plug adapter: 24 W max (10W in our tests)             |  |
| Dimensions                | 220 x 35 x 145 mm   |  |



First 10 minutes: operate mode, next 5 minutes: standby mode (power saving ON), last 5 minutes: standby mode (power saving OFF)