

MKTech IS1-19HD

ISDB-TB & DVB-S2

Receiver



- *Very user-friendly software*
- *Extremely sensitive tuners with fast channel scanning*
- *High-speed channel switching times*
- *Clever: Removable hard drive frame*
- *Volume can be set individually for each channel*

The Best of Both Worlds

The IS1-19HD from MK-Tech is a hybrid receiver. It can receive both DVB-S2 satellite signals as well as terrestrial channels. MK-Tech configured the IS1-19HD with an ISDB-T receiver section because of the fast growing market in South America.

On the front panel of the subtle housing you'll find a very easy to read VFD display and right along side the manufacturer incorporated a total of seven buttons to control the receiver in case the remote control goes missing or its batteries die. Behind a flap there's a card reader that permits the reception of encrypted channels. The rear connector panel is nicely equipped; there are DVB-S2 and ISDB-T inputs that

each have looped-through outputs, an HDMI output, six RCA jacks for stereo audio, CVBS and YUV outputs, a network interface, a coaxial S/PDIF output and a USB 2.0 port. **Especially clever and new to us in this form is the removable frame for an internal 2.5" SATA hard drive.** It can be inserted and removed without any tools; simply push one button and it pops right out. And let's not forget the WiFi dongle that the manufacturer also included in the package. It can be used to set up a wireless network connection with the IS1-19HD.

The included remote control sits very nicely in your hand and its slip-free surface underneath guarantees it won't slip easily out of your



hand. The nicely arranged and clearly labeled buttons greatly simplify the use of this receiver. All-in-all we had nothing but praise for the workmanship of the MK-Tech IS1-19HD and the easy-to-access removable hard drive frame is an especially nice feature.

The IS1-19HD does not come with an installation assistant; the user has to take care of all the necessary settings manually and deal with all the various menu entries on his own. But it turns out that it's easier than it sounds; the entire menu structure is nicely organized and all the

menu entries are essentially self-explanatory. Thanks to the support of all the DiSEqC protocols (1.0, 1.1, 1.2 and 1.3), the IS1-19HD can be used with any antenna configuration. The preprogrammed as well as freely selectable LOF values make it easy to use this box anywhere in the world. MKTech preprogrammed the receiver with a total of 59 satellite entries but, unfortunately, these entries are not all that up-to-date. Channel scanning, on the other hand, is definitely outstanding: Blind scanning and normal channel scanning functioned very



nically in our tests. 1500 TV and 520 radio channels were discovered in just about four minutes. We liked in Blind-scan mode that the receiver first identified all the active frequencies (for which it needed a little more than a minute) and then compared them with those in the pre-programmed list. After that it performed a channel scan. In this way the transponder list is consistently kept up to date with every Blindscan.

In ISDB-T mode the user can perform automatic and manual channel scans. In automatic mode, all of the available frequencies will be processed; in manual mode the frequencies can be selected and processed individually. Both the ISDB-T tuner and the DVB-S2 tuner have excellent input signal sensitivity and can easily handle weaker signals. A total of eight Favorites lists are available for the quick and easy recall of all of your favorite channels and if you don't want to take any chances, you can store the channel lists on an external storage device so that in an emergency you won't have to redo all of that channel list setup work again.

The automatic signal matching feature worked perfectly in our tests. While our 42" LCD TV could handle resolutions up to 1080p, the receiver correctly recognized the maximum resolution of our capture card to be 1080i and automatically adjusted the resolution to the proper setting.

We shouldn't forget to mention the „Volume per Channel" feature that can be activated or deactivated in the System Settings. With it activated, the receiver automatically recognizes the volume setting for each individual channel so that especially loud channels can be set to a lower volume and,

vice versa, a significantly quieter channel can be set to a higher volume. In our tests this feature proved itself to be very practical especially when surfing between channels from different regions of the world that are often broadcast with varying volume levels.

The Info bar that appears with every channel change shows the name of the current program and the upcoming program assuming of course that the provider supplies this information. Since the IS1-19HD is a PVR receiver, MKTech naturally thought to include the ability to set up timer recordings directly from the EPG with the push of just one button. This worked exceptionally well in our tests even when setting up repeated daily or weekly recordings.

Thanks to the clearly arranged channel list, surfing between channels is actually quite a bit of fun. And this is only enhanced by the speedy channel switching speed of less than one second.

We appreciated the number of direct-select buttons on the remote control, such as, searching for a specific setup work again.

1. The IS1-19HD's main menu
2. The Language menu also contains the volume setting for each channel "Volume per Channel"
3. Matching the video output signal
4. Child protection settings
5. USB and network settings
6. PVR settings
7. With the help of the USB Tools, files and directories can be created and edited
8. Hard wired network connection
9. Of course the DHCP protocol is supported
10. Thanks to the included WiFi dongle, the receiver can also communicate wirelessly with a router
11. Available WiFi networks
12. Manual IP entry
13. Additional features of the IS1-19HD
14. Stock prices
15. RSS Reader





16. All the functions of Google Maps that the user is familiar with on a PC are also available in the receiver

17. Access to the online photo services Yupoo, Picasa and Flickr

18. Sorting the displayed YouTube clips

19. Searching for specific YouTube clips

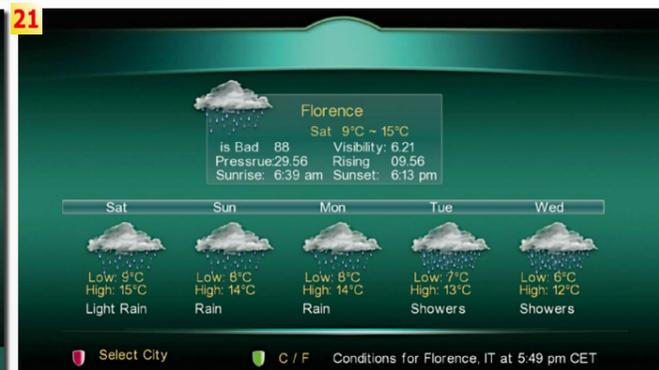
20. For weather forecasts there are numerous cities already preprogrammed, more cities can easily be added

21. Weather forecast for Florence

22. Dozens of games can be downloaded

23. Installation menu

24. The preprogrammed satellite list





channel, changing the output resolution, switching the picture display mode as well as displaying the currently stored timer entries.

Our overall positive impression was further amplified by the error-free functioning of the OSD teletext decoder and the on-the-whole very carefully implemented software. Thanks to the powerful main processor, the 128 MB flash memory and the 256 MB SDRAM, all of the remote control commands were promptly executed without any delay.

This can also be seen with its PVR functions. There were no problems recording two HD programs at the same time while a third program could be watched live or played back from the hard drive. And thanks to the practical USB Manager, users can easily create folders as well as delete, copy or rename files. It's also possible to format new storage devices.

The MKTech IS1-19HD also comes with a jukebox function so that audio files can be played back. There's also a photo viewer as well as a video player. These are features that have generally

become standard on nearly every PVR receiver. The file formats that are supported include: AVI, ASF, MPEG, MKV, RM, TS, M2TS, FLV, SWF, DAT, VOB and RMVB for videos, MP3, FLAC, WMA and AAC for audio as well as JPEG, BMP, PNG and GIF for pictures.

Last but not least, the USB port serves to upload the latest receiver software. The manufacturer regularly makes software updates available for download via their web site.

The IS1-19HD comes not only with a hard-wired RJ45 Ethernet interface, with the help of the included WiFi Dongle it can also communicate wirelessly with your router. In our tests this connection worked perfectly; as soon as the Dongle was connected to the USB interface, it immediately recognized all of the locally available WiFi networks. Manually entering

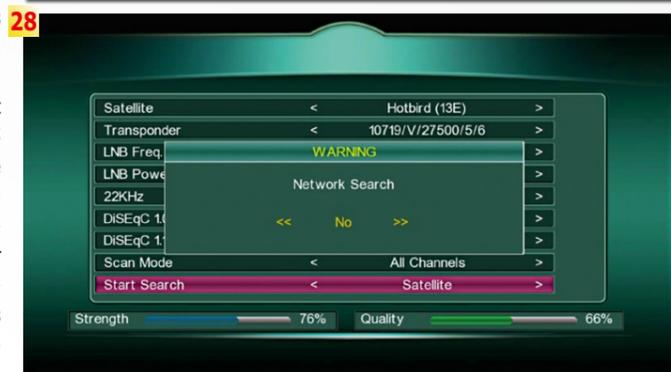
25. Transponder overview

26. The user can easily edit transponder entries or add new ones

27. If needed, the LOF can be entered manually

28. A network scan to find related transponders is also available

29. Picture viewer



- 30. DiSEqC 1.2 settings
- 31. Country selection in the DiSEqC 1.3 settings
- 32. ISDB-TB frequency overview
- 33. Editing the channel list
- 34. Channel List Manager
- 35. The IS1-19HD channel list
- 36. Language selection
- 37. A total of eight Favorites lists are available
- 38. Specific channels can be searched for using the OSD keyboard

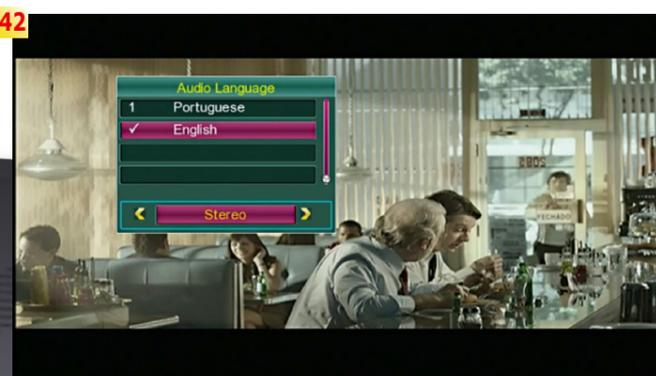




the SSID is not possible so therefore the receiver can't look for hidden WiFi networks. Once a connection has been established with the Internet, the user can then check the local weather forecast, access an RSS reader, check stock prices, view Google Maps, YouTube as well as the online photo services Yupoo, Picasa and Flickr. There's also a large assortment of entertaining video games available for download.

Overall we enjoyed us-

- 39. ISDB-T channel scan
- 40. The IS1-19HD channel list
- 41. BAND HD from Chile via ISDB-T
- 42. Language selection



ing the MKTech IS1-19HD's network features - all the services were integrated by the manufacturer in an exemplary fashion; they were all fully functional. We especially liked that they could all be used very effectively via the receiver and TV. Only in that way will users actually want to utilize them.

The combination of DVB-S2 and ISDB-T tuners in this receiver makes it a very interesting choice for our TELE-audiovision readers in South America and we're certain that the IS1-19HD from MKTech will find many fans in that part of the world.

EXPERT OPINION

MKTech IS1-19HD
DVB-S2 & ISDB-TB Receiver

RECOMMENDED PRODUCT BY

TELE-audiovision
THE WORLD'S LARGEST DIGITAL TV TRADE MAGAZINE

Thomas Haring
Test Center
Austria

CARD

www.TELE-audiovision.com

+ Thoughtful, clear and error-free software
Rich yet easy to use functions
The removable frame for the 2.5" SATA hard drive is very innovative and clever

- Cannot enter SSID manually in WiFi mode



TECHNICAL DATA

Manufacturer	Gotech International Technology Co., Ltd.
Address	66 Yongda Road, Hongqi, ZhuHai 519045, Jinwan, CHINA
Contact	www.gotechcn.com/Enquiry.asp
Internet	www.gotechcn.com
Model	IS1-19HD
Function	DVB-S2 & ISDB-TB Combo Receiver
Input frequency DVB-S2	950 - 2150 MHz
Input symbol rate DVB-S2	2 - 45 Ms/s
DiSEqC	1.0, 1.1, 1.2, 1.3
Input frequency ISDB-TB	177 - 213 MHz & 473 - 803 MHz
HDMI	yes
Digital Audio out	yes (coaxial)
USB 2.0	yes
Internal 2.5" SATA HDD	yes
CI Slot	no
Card Reader	yes
Stereo Audio, CVBS, YUV	yes (6x RCA)
Scart	no
Ethernet	yes
WiFi	yes
RS232	yes
0/12V	no
EPG	yes
HDTV	yes
PVR	yes
WebTV	no
Power Supply	100 - 240V AC 50/60 Hz
Dimensions	28 x 23 x 5.5 cm
Weight	1.35 kg

ENERGY DIAGRAM



Energy: The first 15 minutes active operation; the second 15 minutes Standby

