

User's Manual

I General Information

This product is a high performance MPEG4 satellite HD receiver. It fully complies with DVB-S2 MPEG4 receiver requirement. It provides users with all digital satellite TV and radio channels over the air, also provides powerful media player function by USB disk.

Functions:

- * Fully compliant with DVB-S2 QPSK/8PSK standard
- * Full Support for MPEG2, MPEG4 ASP and H.264 AVC high definition video decoding
- * Full Support for MPEG, AAC and HE-AAC audio decoding
- * Powerful USB media player for video, music and photo playing. Files of : .AVI, .MKV, MP3, .MP4, .VOB, .TS, .MPG, .FLV and etc. are supported
- * USB PVR and time shift supported
- * Software upgrade by USB, RS232, OTA and STB.
- * Plug and Play installation with an ease to use Menu System
- * Auto blind search and Manual search supported
- * Fully support for Electronic Program Guide(EPG)
- * 5000 channels can be reserved
- * Subtitle and TELETEXT supported
- * 4:3 and 16:9 Aspect Ratio supported
- * Parental control for channels
- * Multi-bilingual OSD language, audio language and subtitle language supported
- * Various channel editing function(Favorites, Move, Lock, Delete)
- * DiSEqC1.2 supported
- * User programmable various satellite & transponder information
- * Provides various switch types, LNB types and NTSC/PAL monitor type
- * Multi-LNB controlled by DiSEqC1.2 and 22KHz
- * Automatic PAL/NTSC conversion

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2 General Features

2.1 Digital Satellite Receiver



- ① LNB IN :This socket connects to your external Aerial.
- ② HD-OUT: High definition audio and video output used to connect to a HDMI device.
- ③ AV-video/audio.
- ④ RS232:Software upgrade /Date port.
- ⑤ DC12V IN:Power Supply 12V 1A.
- ⑥ IR sensor for remote control.
- ⑦ USB PORT: insert USB flash disk to read media files

2.2 Accessories

- User Manual ----- x1
- Battery ----- x2
- Remote Control ----- x1
- IR Cable ----- x1
- Adapter ----- x1
- TV Bracket----- x1

3 Remote Control Unit (RCU)

Button Name	Function
Power	Turn the receiver on/standby
Mute	Mute
Numeric keys	Control the numeric operation
EPG	Call the EPG information
FAV	Put the current program into FAV list
INFO	Display the current program's information
RECALL	Return to the previous program
Menu	Call the main menu
EXIT	E the current operation
OK	Confirm key
VOL+	Volume up, Arrow key
VOL-	Volume down, Arrow key
CH+	Channel up, Arrow key
CH-	Channel down, Arrow key
AUDIO	Change the Audio Mode
TTX	Teletext
V.FORMAT	Adjust the resolution
SUB	Call Subtitle information
▶	Will stop the program and again will play the programme continually
▶	Play
	Pause
●	Record
▶▶	Fast forward the program
◀◀	Back the program fast
TV/R	Switch between TV and Radio mode
SAT	Call satellite group



4 Specification

Demodulator	
Type	DVB-S/S2
Demodulation	QPSK, 8PSK
FEC mode	DVB-S: 1/ 2, 2/3, 3/4, 5/6, 7/8 DVB-S2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (QPSK) 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK), 16APSK, 32APSK
DEMULTIPLEXER	
Standard	ISO/IEC 13818-1
Input Max. Bit Stream Rate	15MBps
Tuner & Channel	
Input connector	F-type, 75
Input Frequency	950 ~ 2150MHz
Loop out frequency	950 ~ 2150 MHz
Input level	-80~-20dBm
Loop Through Output	F type
Video Decoder	
Transport Stream	MPEG-2 MP@HL
Profile Level	H.264, H.263 P3,MPEG1/2/4, BP/MP/HP up to L4.1, SP/ASP up to L5
Aspect Ratio	4:3, 16:9
Video Resolution	480i/480p/576i/576p/720p/1080i/1080p
Audio Decoder	
Audio Decoding	MPEG1/2/3, AAC/ AAC+
Sound Mode	Stereo, mono, dual
A/V & Data In/Out	
HDMI	HDMI 1.3 transmitter with HDCP
Power Supply	
Input Voltage	AC 110-240V 50Hz/60Hz
Power consumption	10W (max)

Menu Operations: Basic Operation

Menu Operations: Basic Operation

- Basic Operation
 - Turn on STB
- First, press the [Standby] key to turn on the unit. If the STB is Opened for the 1st time, it maybe show "Program not exist" or "No signal" on menu. If the STB open after used,STB will Play the same channel as last time before turning off.
- Frequently Asked Question

Q: The power of my STB has been turned on and not in standby mode. But the TV screen showed nothing;

A: First, make sure the HD / coaxial line connected ,then make sure the TV set has been set to the correct input source(not the TV channels). For example, if you have connected the unit with the video 1 input of the TV Set, the TV set has to be switched to Video 1, if connect HD 1, TV also need switch HD 1

Q: The Power of my STB has been turned on and not in Standby Mode,but the TV screen showed nothing except black screen with "No signal"

A: That means the channel which you select is not signal. It could be several causes:

 - The channel is not in your allocated satellites. The simple solution is to change the channel on other satellites
 - The signal of current TV Channel is too weak. You can try to change channel to other strong signal channels . if the phenomenon still exists, Please consult your local dealer or other professionals for technical service
- STANDBY
 - Press [standby] key. You can enter the Standby state
 - In Standby state, press [standby] key again, you can call back the unit and go on playing the channel
- Channel Up/Channel Down

In full screen, press [^ v] to change channel. You can change channels in channel list too.
- Volume Up/Channel Down

In full screen, press[<>] to adjust volume
- OK
 - In full screen, press [OK] key ,you can enter "channel list" menu.
 - Press [^ v] key to move highlight and press [OK] key to play the highlighted channel.
 - Press [< >] key to select channels from a particular satellite or favorite group
- INFO

Press [INFO] key once, you can see base information of the channel you watch.

Press [INFO] key twice, you will enter the signal indicator window

There you can check the strength/quality/video format/audio format etc
- TV/Radio

Press [TV/R] key can switch form TV Mode to Radio mode or Radio mode to TV mode
- Audio
 - In full screen, press [Audio] key , you can open the 'Audio' window on the screen.
 - You can modify the audio track by press [^ v] key and modify the audio mode by press [< >] key.
 - Mode: Left/Right/Stereo/Mono.
- Recall

Press [Recall] key to watch the last channel you are stay
- EPG

Press [EPG] key to call the EPG information
- TTX

Call TTX information
- Subtitle

Call Subtitle information
- FAV

Call FAV

Menu Operations: Installation /Edit Chanel

- Press [FAV] key to select your favorite channels group. If you don't set in the menu, you will see nothing in the window.
- Motor Setting
 - Exit
 - Press [EXIT] key to exit the current menu to last menu or close all current menu.
 - Installation

In Full screen, you can enter main menu by press [MENU] key. Press [< >] to select different second-level menu items among installation, channel Edit, System Setting, Utility and Media Center. Press [^ v] key to choose third-level menu and press [OK] to enter.
 - Antenna Setting

You can select satellite you want and set LNB parameters of this satellite and Set search mode then Scan Channels.
 - Motor Setting

You can configure your Motor.
 - Satellite List
 - Delete /Add/Edit/Select satellite here. Following directions
 - Press [OK] to select you want to operate. Taking search for example: press [Blue] key ,it will pop up a small window, in which you can select the search mode.
 - TP List
 - Edit TP of different satellites here, you can delete/add/edit/search
 - Taking add for example: press [Green] key, it will pop up a window, in which you can set the parameters of the new TP.
 - Edit Channel
 - TV Channel
 - When you enter "Channel Edit" menu, you can edit channel information as follow:
 - You can rename/delete/move/skip/lock the channels you select ,and set the PID of the channel.
 - Take delete for example: press [1] key to enter delete mode, select the channels you don't see by pressing [OK] key. Then press [exit] to confirm.
 - FAV: Press [5] key to enter FAV mode. Select the channels by pressing [OK] key to pop up a small window, then select the FAV group by pressing [OK] key, after that, press [Exit] to confirm or go on setting.
 - Radio Channel

Please refer to the 'TV Channel'
 - Delete All Channel

Press [OK] key to pop up a window to delete the TV and Radio
 - System Setting

When you press [Menu] key to enter menu:

Press [^ v] key to select menu items

Press [OK] key to enter

Press [MENU]/[EXIT] key to save and go back to main menu
 - Time Setting
 - In the time menu you can use auto mode and set the right time zone. After that you can get the correct time automatically from the channel stream.
 - you can use local mode to set the time yourself. Press[MENU]/[EXIT] key to save and exit.
 - Timer Setting

Menu Operations: System Setting /Utility

- Language

When you enter to "Language" menu, there are different kinds of languages for you to choose as you like.
- AV Setting
- Lock Control

In "Lock Control" line, press [OK] key, there will pop an dialogue for you to input the password. Default password is "0000". When you input the correct password, you will see a screen.

Channel Lock determine that when users wish to play the locked channels, and if the setting is "On", the channel marked lock will show up a dialogue on the screen and ask for the password. If not, the lock function will be invalid.
- OSD setting

Here you can change the Transparency/OSD timeout/Channel Switch:

 - Transparency: You can press [J] key to select the value and press [EXIT]/[MENU] key to save and draw back from the "OSD Setting" menu.
 - OSD Timeout: When you switch channel in full screen, there will show up some information about current channel on the lower of the screen. And regarding to the duration of these information show up on the screen, you can press [J] key to set the time.
 - Channel Switch: When you switch channel in full screen, there are two types you can select as you like.
 - Button [< >] action setting: When you select SAT/FAV, the in ok list menu, press [< >] key will change SAT/FAV. When you select [Page up/Page down], press [< >] key in ok list menu, will replace to page functions.
- Color Setting

You can change the Brightness/Chroma/Contrast to find a suitable visual effect when you watch TV.
- System Information

Press [INFO] to show some information about SW and HW. Press [EXIT] to draw back from this menu.
- Factory Reset

When you press [OK] key in the "Factory Reset" menu, there will pop up a small window to ask you to input default password "0000". And if you input right, they system will reset to default and erase all the channels and other parameters you added. Please be careful to use this function.
- Software Upgrade/Backup

When you enter to "Software Upgrade" menu, you can get some information

 - upgrade type: select "USB Upgrade" for upgrading from USB.
 - Select "Dump" to back up stb data.
 - section: select upgrade all/app/user data
 - file path:select upgrade file from USB or Backup file to USB.
 - start: press [OK] to start upgrade
- Network applications

When you press [MENU], you can select some applications like Youtube, weather and so on.
- Media Center

Media center will be used when USB device is plugged. When you enter to "Media Center" menu, you will see a screen as below:
- Media Player

First you enter media play window , the highlight is on the "File" menu. Press [J] to select mode among Video/Music/Picture/Text.

Press [ok] to confirm. Press [EXIT]/[MENU] to exit.

 - File mode: In this mode, you can play every kind of media format,for example: Music/Video/Picture.
 - Video mode: Select "Video" menu, then all the useable video files will display on the screen. When you are playing it, press [ok] key, you will see picture as below:
 - Here, you can page up/down, pause, play, check the size of the video and so no. The STB support MP4/ AVI/ MKV/ FLV/ MPG/ VOB/ TS etc.
 - MUSIC mode: Press [ok] key to move highlight to directory and you can see picture as follows:
 - Picture mode: You can browse pictures by entering "Picture" menu. You can browse one by one or enjoy automatically.

5 Connecting to A Television

Use a HDMI cable to connect to TV set as below picture show.



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