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Safety Precaution

This STB has been designed and manufactured to satisfy the international safety standards. Please read the following safety precautions carefully before operating this receiver.

Main Supply:

Before operating, please check the units operating voltage is 90~250V AC 50/60Hz.

Overload:

Do not overload a wall outlet, extension cord or adapter, neither use damaged power cord or touch it with wet hand as this may result in electric shock.

Liquid:

The receiver shall not be exposed to dripping or splashing water, and that no objects filled with liquids, such as base, shall be placed on the apparatus.

Ventilation:

Keep the slots on top of the receiver uncover to allow sufficient airflow to the unit. Do not put the receiver on soft furnishings or carpets. Do not expose the receiver to direct light or do not place it near a heater or in humid conditions. Do not stack other electronic equipment on top of the receiver.

Cleaning:

Plug out the receiver from the wall outlet before cleaning. Clean the receiver by a soft cloth or mild solution of washing-up liquid (no solvents).

Connection:

Disconnect the receiver from the mains when you connect it to satellite LNB or disconnect it from LNB. Failure would possibly cause damage to the LNB.

Location:

Put the receiver indoor in order to avoid lightening, raining or sunlight.

Uncover:

Do not remove the cover, to reduce the risk of electric shock. Contact qualified and licensed service personnel to repair the receiver, or contact your dealer.

1. Reference

1.1 General Features

DVB-S/DVB-S2 Satellite Compliant (MPEG-II/ MPEG-IV/ H.264/ H.265)

SCPC & MCPC receivable from Ku and C band satellites

DiSEqC1.0/1.1/1.2/1.3 (USALS)

Blind search supported

PAL/NTSC Conversion

True full Color (32 bits) on screen display (OSD)

8 favorite group and parental lock supported

Multi-language menu supported

Multi-language audio supported

Multi-language DVB Subtitle output

7 days Electronic Program Guide (EPG)

Teletext output through VBI and OSD

USB 2.0 Interface

Support many network functions

Support 4K Ultra High Definition Program

2. Product Overview

2.1 Front Panel



1. **POWER LED:** Power indicator.
2. **DISPLAY:** It displays channel information. In standby mode it displays local time.
3. **CH+/CH-:** Change channel in viewing mode and move the cursor up/down in menu mode
4. **POWER:** Switch between operation and standby modes.
5. **VOL+/-:** Change volume in viewing mode.
6. **USB:** USB 2.0 Host Port.



1. **LNB IN:** Connect the satellite antenna cable.
2. **COAXIAL:** Digital Audio output.
3. **HDMI:** Connect to the TV using an HDMI cable.

4. **RS232:** Connect to the computer using serial line.
5. **USB2.0:** USB 2.0 Host Port. If hard-disk is to be used with the receiver, please make sure it is inserted before booting up.
6. **AV:** Connect to the TV using an RCA cable.
7. **LAN:** Connect to the internet using an Ethernet cable.
8. **ON/OFF:** Power on / off.

2.3 Remote Control Unit (RCU)

You can control this receiver by this remote controller with full function.

1. **MUTE:** Mute audio.
2. **POWER:** Switch between operation and standby modes.
3. **DISP:** Set the display mode.
4. **MODE:** Change the display format.
5. **APP:** Enter the network APP.
6. **⏮/⏭:** Fast rewind/Fast forward.
7. **⏮/⏭:** Previous/Next.
8. **⏮/⏭:** Play or Pause/Timeshift.
9. **■:** Stop recording and playing.
10. **REC:** Record.
11. **USB:** Enter USB menu.
12. **AUDIO:** Display the audio list.
13. **PAUSE:** Pause the program.
14. **ZOOM:** Picture zooming function.
15. **SUB:** Display the subtitle language list.
16. **MENU:** Activate main menu.
17. **EXIT:** Exit current menu step by step.
18. **INFO:** Display the programme information.
19. **EPG:** Display the program guide.
20. **▲/▼:** Change channel in viewing mode and move the cursor up/down in menu mode.
21. **◀/▶:** Change setting in menu mode and Change volume in viewing mode.



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- 22. OK:** Activate the highlighted sub menu in menu mode and activate the channel list in viewing mode.
 - 23. FAV:** Display favorite channel list you set before.
 - 24. SAT:** Show the scanned satellite list.
 - 25. IP:** Enter network IP situation.
 - 26. RECALL:** Show the previous viewed channels list. Or switch to the previous viewed channel.
 - 27. F1/F2:** Accessorial function.
 - 28. PAGE+/-:** Page up/down on menu or channel list.
 - 29. NUMERIC KEY (0~9):** Enter a TV/radio channel number or menu option number.
 - 30. FIND:** Quickly find channels.
 - 31. TV/R:** Switch between TV and RADIO.

3. Installation

You should install the receiver when powering on your product for the first time after purchase.

Tip: The default password is 0000. If you have forgotten your password, please contact your local product distributor.



3.1 Antenna Settings

Antenna Settings allows you to configure the antenna setting parameters.

Menu->Installation->Antenna Settings



- 1. Satellite:** Select the satellite which you want to setup.
- 2. Transponder:** press **OK** button into TP list then press $\uparrow/\downarrow$ button to change the TP.
- 3. LNB Type:** Press the $\uparrow/\downarrow$ button to change the LNB frequency.
- 4. LNB Power:** Select the required LNB power.
- 5. 22KHz:** It used to control the 22 KHz switch.
- 6. DiSEqC1.0:** It used to set DiSEqC1.0 port, press the $\uparrow/\downarrow$ button to select the required.
- 7. DiSEqC1.1:** Press the $\uparrow/\downarrow$ button to select the required DiSEqC1.1 input.
- 8. Motor:** Press the $\uparrow/\downarrow$ button to select motor mode (*DiSEqC1.2* or *USALS*) input.
- 9. Scan Mode:** Press $\uparrow/\downarrow$ button to select the scan mode.
- 10. Start Search:** Press $\uparrow/\downarrow$ button to select the search style and start search.

3.1.1 Antenna Settings for Satellite

Press **OK** button you can see the pre-stored Satellite list, in this menu, you can

execute Add, Move, Delete and Rename Satellites.

3.1.2 Antenna Settings for Transponder

Press **OK** button you can see the pre-stored TP list, in this menu, you can execute Add, Delete, Edit and Delete All TPs.

3.1.3 Search Channels from Satellite

1. Highlight the Satellite and press the OK button to enter satellite list. And then select one satellite you want to search.
2. Complete the antenna settings of this satellite.
3. Highlight the Start Search and choose your optional search mode then press OK button to confirm.

3.1.4 Antenna Settings for Motor

1. Motor Mode:

Select DiSEqC 1.2 or USALS using the ◀/▶ button.

DiSEqC 1.2: General motor antenna using DiSEqC 1.2.

USALS: Motor antenna using USALS.

Tip: Before you use **USALS**, you should go to **Main Menu-> Installation-> USALS Setup** to set your local position firstly.

3.2 Factory Default

You can restore the product to the factory default and you can also setup it according to the wizard.

Warning: Please note that once you perform **Factory Default all**, all data and settings will be deleted.

Tip: If you select "yes", all data and setting will be lost. Then waiting a moment, you will view the OSD language menu where you can select the language according your mind.

1. **All:** All data and settings will be deleted.
2. **Channels Only:** All channels data will be deleted.
3. **Radio Channels Only:** All radio channels data will be deleted.

4. **Scrambled Channels Only:** All scramble channels data will be deleted.
5. **TP Channels Only:** All the channels data in the selected Transponder will be deleted.
6. **SAT Channels Only:** All the channels data in the selected satellite will be deleted.

3.3 USALS Setup

If you set the Motor Mode to **USALS**, you need set the longitude and latitude in **USALS Setup**.

4. Edit Channel

*Tip: You can press the **Sat** button to choose different satellite according to the **help** information, press **OK** to confirm, then all the channels of this sat will be display.*

4.1 TV Channels

Menu->Edit Channel->TV Channels / Radio Channels



TV Channels enables you to move, delete, lock/unlock, rename and swap the channels in the channel list conveniently.

Tip: *Radio Channels operation similar to the TV Channels.*

1. Move Channels

- 1) Press **◀/▶** and **OK** button to enter move mode.
- 2) Highlight the channel you want to move and press **OK** to select the channel.
- 3) Press the **▲/▼** button to the destination in the channel list and press the **OK** button.

1.1 Move Group Channels

- 1) Highlight the channel you want to group move. Then press the **BLUE** button to sign the channel.
- 2) Press the **▲/▼** or **◀/▶** button to highlight other channels you want to group move. Then press the **BLUE** button to sign the channel one by one.
- 3) Press the **▲/▼** to the destination in the channel list and press **OK** to confirm.

2. Delete Channels

- 1) Highlight the **Delete** function using **◀/▶** button.
- 2) Press the **▲/▼** to highlight the channel you want to delete, press the **OK** button to sign the channel.
- 3) Press the **EXIT** button, here, select **Yes** will delete the chosen channels.

3. Lock/unlock Channels

- 1) Highlight the **Lock** function using **◀/▶** button.
- 2) Highlight the channel you want to lock, press the **OK** button to confirm.
- 3) Input the password to lock the channel. If you want to lock another channel, you will not be asked to Input the password again until you press **EXIT**.

Note: If the highlighted channel is locked, press the **OK** button is switched into Unlock.

4. Rename Channels

- 1) Highlight the **Rename** function using **◀/▶** button.
- 2) Highlight the channel you want to rename, press the **OK** button.
- 3) Enter a channel name directly using the keyboard displayed on the screen and press the **BLUE** button to complete.

4.2 TV Favorites

Menu->Edit channel->TV Favorites/Radio Favorites

You can add or remove channels from the favorite groups.

Tip: Radio Favorites operation similar to the TV Favorites.



1. Highlight the channels you want to add or remove from the favorite channel list.
2. Press the ◀/▶ button to change the favorite group and press the **OK** button to mark the channel as selected favorite group.
3. Press the **EXIT** button to exit the menu and save it.

4.3 Sort Channels

You can sort the channels list.

Menu-> Edit Channel ->Sort Channels

Highlight the option you want and press the **OK** button to sort the channel list.

You can sort by Alphabet, Transponder, FTAToCAS, Favor and so on.

4.4 User Channel List

User Channel List allows you to save or load all the data and settings.

1. **Menu->Edit Channel-> User Channel List->Save User Data**
2. **Menu->Edit Channel-> User Channel List->Load User Data**

5. Settings

5.1 System Settings

Tip: You can set all the settings here by pressing ◀/▶ button.



1. **Menu Language:** Set the menu language.
2. **Audio1:** Set the preferred audio language.
3. **Audio2:** Set the sub-prime audio language.
4. **Subtitle Language:** Set the subtitle language.
5. **Subtitle Control:** If you set **ON**, the channel can auto display the subtitle language.
6. **EPG Language:** Set the preferred EPG language.
7. **TXT Language:** Set the TXT language.
8. **Digital Audio:** Set the output mode of the digital audio.
9. **Auto Chanel Selection:** If you set **ON**, in the channel list will play automatically.

10. Auto Exit Channel List: If you set ON, the channel list will disappear when you press OK on a Highlighted channel. If you set OFF, the channel list will disappear when you press OK on a playing channel.

11. Multi Pic Loop: Accessorial function.

12. Recall List: You can turn Recall List on or off.

13. PLSN Super Scan: Accessorial function.

14. Front Panel Light: Set the brightness of the LED.

15. Channel name auto update: you can set on or off.

16. DLNA background service: Accessorial function.

5.2 OSD Setup



Menu->Settings->OSD Setup

1. Menu Transparency: Set the transparency of all menus.

2. TXT Transparency: Set the transparency of teletext.

3. Display Mode: Set the HD format between 4K2K 50Hz, 4K2K 25Hz, 1080p, 1080i, 720p, 576i, 576p.

4. TV Type: Set the TV Type on **PAL/NTSC/Auto** state.

5. Screen Mode: Set the display format according to the screen ratio. Select TV screen mode either 4:3 or 16:9 according to the TV type.

6. OSD Timeout: Set the display time of the program information.

5.3 Parental control

Menu-> Settings ->Parental Control

Parental Control allows you to set limits for each program or change your previous password. You can also lock the changes you have made using **Installation Lock**, **Edit Channel Lock** and **Settings Lock**. And you can change **Age Rating** and **the PIN**.

5.4 Calendar

Menu->Settings->Calendar

You can use $\tau/\cup$ and $\blacktriangle/\blacktriangledown$ button to adjust the date.
Press the GREEN button, you can add a memo.

5.5 Color Settings

Menu-> Settings->Color Settings

Color Settings can set the Brightness, Contrast, Saturation, Hue and Sharpness.

6. Times

6.1 Time Settings

Menu-> Times->Time Settings

Time Settings will set the time mode, time Offset and summer time.

1. Time Mode

You can switch the Time Mode to **Auto** or **Manual** by pressing $\blacktriangleleft/\blacktriangleright$ button. If the Time Mode is **Manual** you can change the current time and current date.

2. Time Offset

Set the time zone according to your city.

3. Summer Time

If your region needs summer time to correct the current time please make it **ON** by pressing ◀/▶ button.

6.2 Event Timer

Event Timer You can set 8 timer events. It will record or play the program automatically according to the timer event list that you set.

1. Menu-> Times-> Event Timer

2. Press the **RED** button to setup a timer, and press the **OK** button to save the timer after setup.

Channel: Select the Channel from Channel List.

Date: Input start date of the timer.

Start/Stop: Set Start and Stop time of the timer.

Repeat:

<1X> only one time.

<Daily> Repeat every day.

<Weekly> Repeat the channel weekly.

<1-5> Repeat the channel from Monday to Friday.

<6-7> Repeat the channel from Saturday to Sunday.

Standby When Stop: If set **YES**, the receiver will go to standby mode after the timer, if set **NO** it won't be standby.

Record: If set **YES**, only if there is a USB device, it will be recorded automatically when the timer is started. And the recorded PVR will be saved in USB device. If set **NO**, it will not be recorded.

3. In **Event Timer** menu, highlight one event, press the **YELLOW** button will cancel this timer and press the **GREEN** button can go to edit this timer.

6.3 Sleep Timer

Sleep Timer can set the automatic turn off time.

1. Menu-> Times-> Sleep Timer

2. Press the ◀/▶ button to select the option or input the number at "-- M" option.

3. Press the **OK** button to save.

6.4 Standby Time

Standby Time can set the time display on front panel when standby.

7. Expansion

7.1 Games

Menu->Expansion->Games

Games offer 9 funny games you can play.

7.2 USB

Menu->Expansion->USB or press **USB** button.

USB can play many kinds of media files, you can record program and playback it and you can do various operations when using USB HDD or USB disk.

Note: It supports FAT, FAT32 and NTFS format USB disk or USB HDD.

If hard-disk is to be used with the receiver, please make sure it is inserted before booting up.

7.3 IP Setting

You can visit the internet through the Ethernet cable or USB WIFI and 3G.

Menu->Expansion->IP setting

If the Ethernet cable is connected fine, it will display "Connected".

RED: Get IP address automatically.

GREEN: Test the network if connect correctly.

7.4 WIFI

Menu->Expansion-> WIFI

Plug in the wireless USB dongle to the USB port.

In this menu, press RED button to refresh Wi-Fi access point, press GREEN button to add Wi-Fi, press YELLOW button to Enable/Disable Wi-Fi access point.

7.5 3G

Menu->Expansion-> 3G

Plug in the 3G dongle with 3G card inside to the USB port.

In this menu, you can see the 3G module type, Access point, set Auto Connect. When recognize the 3G dongle, it will display "Ready", when the internet is connected, it will display "Connect".

7.6 VPN

Menu->Expansion-> VPN

You can visit VPN network.

7.7 Network Apps

Menu->Expansion-> Network Apps

You can visit some network app, such as ***FTP Download, Weather and RSS.***

8. About STB

Menu-> About STB

ABOUT STB can get the information about the STB, such as product name, software version, and serial number and so on. When you need service from the dealer you need to submit this information in order to get the correct and fast after sales service.

9. Basic Operation

9.1 Audio

You can select the language you prefer in **Audio** if the current program is available in multiple audio languages.

9.2 Satellite List

You can select or hide the satellite that you want.

9.3 EPG

You can view the EPG information of all channels in time and date order.

1. Press the **EPG** button.
2. Press the **GREEN** button to switch EPG mode between **Weekly EPG** and **Day EPG**.

9.4 Subtitle

You can select the language for the subtitle if the program provides subtitle information.

9.5 Teletext

You can view the teletext information of this program.

9.6 Find channel

You can find the channels you want quickly just by pressing the **FIND** button directly. Or by pressing **Blue button** in **OK List/FAV List**.

9.7 Program Information

You can view the program information by pressing the **INFO** button while

watching a program.

Press the **INFO** button twice to view detailed EPG information, press the ◀/▶ to switch current and next and press the **INFO** button once more to hide the detailed EPG information.

9.8 Channel List

This chapter will help you manipulate the channel list.

Tip:

*You can press the **Sat** button to choose different satellite when you are operating on a channel list, press **OK** to confirm, then all the channels of this sat will be display.*

9.9 OK List

Press the **OK** button to enter the channel list while watching a program.

9.10 Favorite List

If you have set several favorite lists, press the **FAV** button can enter the favorite list.

9.11 USB Control

Recording and Timeshift

1. Start Recording

- 1) You can press the **REC** button to start recording while watching program.
- 2) If you have set the timer, and set the **Time Record** on, it will start recording automatically according to the start time of the timer.

2. Stop Recording

- 1) You can press the ■ button to stop recording. If you don't press the ■ button, it will stop recording according to the record duration.
- 2) If you have set the timer, it will stop recording automatically according to the stop time of the timer.
- 3) If the free space on the USB HDD or USB disk is insufficient, recording will

stop.

3. Other Operations while Recording

While the recording channel is current channel, press the **INFO** button can display the recording time. And press the **INFO** button twice can display the detail information of the recording. Press the **►** button will enter the playback mode. Press the **REC** button can set the record duration. Press the **PAUSE/II** button can pause recording, and continue recording by press **PAUSE/II** button again. Press the **◀◀/▶▶** button can fast rewind or fast forward in playback mode.

4. Timeshift

Timeshifte allows you to pause a live broadcast and return to it later and continue here you left off. Press the **II** button to start timeshift. While it is in timeshift mode, press the **►** button can play the program, press the **INFO** button can display the recording information, press the **PAUSE/II** button can pause or play the program, press the **◀◀/▶▶** button can fast rewind or fast forward. Press the **■** button to stop timeshift. If you change to another program or do other operations, it will stop timeshift but still record.

PVR List

You can enter the PVR list directly and then play the PVR file. In the PVR list you also can delete the PVR files.

10. Additional Information

Trouble Shooting

Before contacting your local service center, please read the tips below carefully.

If the problem persists after completing the following procedure, please contact your local product distributor or service center for further instructions.

1. No message displayed on the front display. (The product will not switch on.)

- Check the main power cable and make sure it is plugged into a suitable power outlet.
- Check that the mains supply is switched on.

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- Connect the power cable to a different power outlet.
 - Check that the power switch is on at the rear of the product.

2. No picture

- Make sure that the product is powered on and in operation mode. (Press the STANDBY button)
- Make sure that the SCART/HDMI cable is firmly connected to the TV.
- Make sure that the antenna cable is properly connected to the product.
- Be sure to activate channel search.
- Check the brightness level of the TV.
- Check if the channel is currently on air. Contact the broadcaster to ensure that the channel is running.

3. Poor picture/sound quality

- Make sure there is no mobile phone or microwave oven near the product.
- Check that your dish alignment is correct.
- Change the satellite dish for a larger one as this will increase the signal levels received.
- Replace the LNB with a lower noise factor in cases where the noise factor is too high.
- Replace the LNB with a new one in case it is damaged or out of order.
- Check the signal levels and adjust your antenna if the level is too low. The signal level may be affected by weather conditions.

4. No or poor sound

- Check that your SCART/HDMI cable is connected correctly.
- Check the volume levels of your TV set and the product.
- Check if the product or TV is on mute.
- Check audio type or soundtrack option. (where applicable)

5. Remote control does not operate.

- To control the product, the top end of the remote control should point directly towards the receiving part of the product.
- Remove and reinsert the batteries in the remote control.
- Replace the batteries in the remote control for a new set.

6. Cannot connect network.

- Make sure the network of your family is good.

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- Make sure the Ethernet cable is inserted firmly to the LAN router.
 - Make sure the Wi-Fi can work on other device.
 - Input the Wi-Fi password again.
 - Get auto IP again.
 - Restart the receiver again.