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User's Manual

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Notice

Read this manual carefully and make sure you understand the provided instructions. For your safety, check what the result each action will be.

Warnings, Cautions and Notes

Throughout the whole manual, pay special attention to the following marks that indicate hazardous situations.



Caution

Indicates a situation which, if not avoided, could damage the equipment or apparatus.



Warnings

Indicates a hazardous situation which, if not avoided, could result in serious injury.



Note

Indicates additional information to the user to make the user to make the user aware of possible problems and information of any importance to help the user to understand, to use and to maintain the installation.



Correct Disposal of This Product

(Waste Electrical & Electronic Equipment)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its useful life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to guarantee the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Safety Information

This digital satellite receiver has been manufactured to comply with international safety standards. Please read the following safety precautions carefully.

Safety Instructions and Precautions

The socket-outlet shall be installed near the equipment and shall be easily accessible



Avoid placing heavy things and blocking ventilation passage.
(Passage blocking can cause fire)



Avoid scrubbing the surface with Benzene or Volatile gasoline.
Color can be damaged.



Leave the power and the antenna off for the long absence or during thunder storm.



Avoid dropping and damaging Remote Control Unit.



If there is smoke or burning smell, turn off & Un-plug the set immediately. Contact your local repair center for advice.



Avoid place the set on slippery and slant surface.

Safety Information



Keep away from the water.



Clear off the dust. Dust or Metallic particles inside the set can cause fire and electric shock.



Avoid dissembling and assembling. Do not open the set.



Do not snatch the cable to plug out.
Do not move the set while power cord is plugged in.



Keep the distance from Magnetic items and Audio Speaker.



Place the set with the good ventilation and away from the direct sunlight and humidity.



Avoid the temperature of over 30C and below 5C.

Control Panel Reference

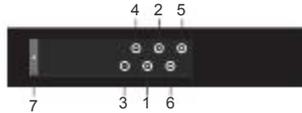
V7 HD



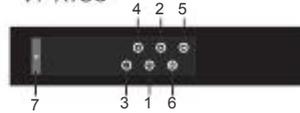
V7 Max



V7 COMBO



V7 ATSC

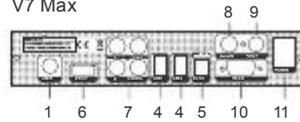


- 1.CH-
- 2.CH+
- 3.VOL-
- 4.VOL+
- 5.MENU
- 6.OK
- 7.POWER

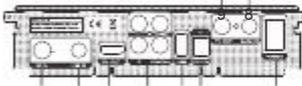
V7 HD



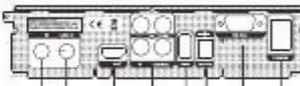
V7 Max



V7 COMBO



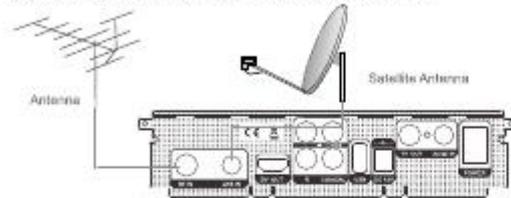
V7 ATSC



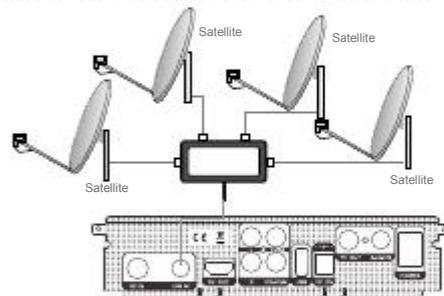
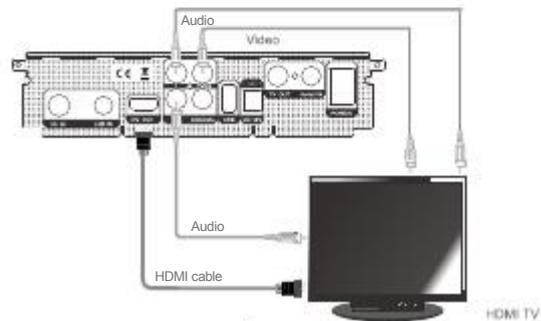
- 12.LNB IN
- 2.HDMI out port
- 3.AV
- 4.USB port
- 5.DC 12V
- 6.DV OUT
- 7.Audio L/R+CVBS+COAXIAL
- 8.Serial IN
- 9.TV OUT port
- 10.RS-232
- 11.POWER
- 12.RF IN jack
- 13.ATSC IN
- 14.HD OUT

Connecting To Dish

Connect the satellite antenna cable to DISH IN.

**(2 Fixed Dishes Using a DiseqC switch)**

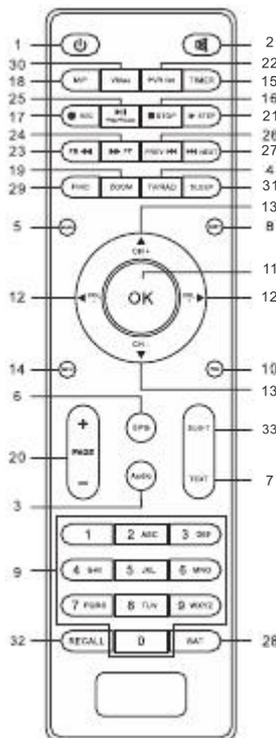
Connect the output of DiSEqC 1.0 to DISH IN of the receiver.

**2.2 Connection to the TV**

2. Remote Controller

All receiver features can be controlled with the remote controller:

1. **POWER**: Turns the receiver On/Off.
2. **MUTE**: Turns the sound on/off.
3. **AUDIO**: Shifts the audio channels as well as audio languages.
4. **TV/RADIO**: Switches between TV and Radio.
5. **MENU**: Shows the Main menu. In viewing mode and the TV/Radio program screen in menu mode.
6. **EPG**: Shows the TV/Radio Channel guide.
7. **TEXT**: Shows the related contents if selected is transmitted.
8. **EXIT**: Exit from the present menu and move to the previous menu.
9. **NUMBER KEY (0-9)**: Select channels or can use as a alphabetical search key in the sorted channel list.
10. **FAV**: Selects the group of favorites.
11. **OK**: Confirms the choices and/or selections the highlighted menu item. While watching TV or listening to Radio, press the OK button and the channel list will appear.
12. **4**: Moves left/right or change settings in menu mode. Changes channels in viewing mode.
13. **▲/▼**: Moves up/down in menu mode.
14. **INFO**: Shows the information of the Banner and EPG.
15. **Timer**: Press to key setting the timer recording.
16. **STOP**: Stop playing mode.
17. **REC(Record)**: Record the channel.
18. **MP**: Button MP.
19. **ZOOM**: Image and video.
20. **PAGE**: Directly to the previous or next page.
21. **STOP/Enter STOP**.
22. **PVR LIST**: Display the file list.
23. **FF**: Fast forward playback.
24. **FR**: Rewind playback.
25. **PLAY/PAUSE**: Playback the recorded files/Pause playing mode.
26. **PREV**: Button PREV.
27. **NEXT**: Button NEXT.
28. **SEARCH**: Show the search. Set the list.
29. **FIND**: Search channel quickly.
30. **VIDEO**: Display video file from USB.
31. **SLEEP**: You can turn the STB off after minutes set.
32. **RECALL**: Move to the previous channel and shows a channel list of 10 channels watched previously when you press twice.
33. **SUB-T**: Shows the subtitle information.



Fast Installation operation

Connect the receiver and other equipments according to "BASIC CONNECTIONS"

1. Connect this unit to a mains outlet, then press STANDBY button to turn on the unit;
2. Press MENU button to access the menu system, then press CH-/CH+ button to choose Tools submenu, then press VOL▶ button to access it with the default password "0000" input. Use CH-/CH+ button to choose Factory Setting, press VOL▶ again to access before pushing VOL◀/VOL▶ button to choose YES and press OK to confirm the restoration of Factory Setting. Once the operation is finished, press EXIT to quit.



Note:



It is a must to perform this operation if this receiver is used for the first time or the software has just been upgraded.

3. Press CH-/CH+ button to move to Installation submenu, then press VOL▶ button to access it with the password "0000" input.
 - a. Press VOL▶ button to highlight Satellite List where a satellite should be selected, and press EXIT to quit once the selection is complete. (Please conduct this operation following the guidance displayed on the screen);
 - b. Press VOL▶ button to access LNB Freq where the Local Oscillation Frequency of the tuner and some other related items can be set after you choose Antenna Setup. Press EXIT to quit as soon as the setup is finished.
 - c. Press VOL▶ button to highlight Single/Multi Satellite to set the search information involved, then press VOL▶ button again to start Auto Search.

Regarding actual operation please refer to the following instructions for more information

Menu operation

Main Menu

Press MENU key to bring up the Main Menu that includes 5 subsidiary items:

- ◆ Channel List
- ◆ Satellite Installation
- ◆ Terrestrial Installation
- ◆ System
- ◆ Tools
- ◆ Media Center
- ◆ Conditional Access
- ◆ Network

Press CH+▲/CH-▼ button to move the cursor up and down to choose a menu item, and press OK button to access current submenu; EXIT/MENU button are used to get back to the upper-level menu, and EXIT/MENU to quit menu operation.

Notice:



1. CH▲, CH▼, VOL◀, VOL▶, PG+, PG-, OK, EXIT and MENU buttons function the same in menus at all levels; PG+ / PG- button can be used not only to turn over pages, but also to select a satellite.
2. Refer to the screen hints during operation of some menu items.
3. The color buttons represent different function in different menu windows.

Shortcut keys:

- ◆ EPG: View the EPG information of the current service (if available).
- ◆ TEXT: View the text information of the current service (if available).
- ◆ SUB-T: Enable or disable subtitle display on the screen (if available).
- ◆ INFO: Check the relevant information of the current service
- ◆ TV/RADIO: Press this button to turn on or off the channels.
- ◆ RED, GREEN, YELLOW, BLUE and WHITE: These buttons are used for various function operations.
- ◆ LAST: Shift to the previous service.
- ◆ MODE: Press this button to setup TV System; Display modes, Aspect modes and Video Output modes. (Refer to the actual operation result for more information)
- ◆ AUDIO: Shift the audio channels as well as audio languages.
- ◆ STANDBY: Press this button switch on /off STANDBY status.
- ◆ MUTE: Enable or disable mute functionality.
- ◆ FAVOR: Bring up Favor Groups window for detailed setup.

Shortcut Key Operation (supplemented)

Audio: press AUDIO button to get into audio output setup window where you can choose any mode of Stereo, Mono, Left and Right.

SLEEP: Use this button to set Sleep Timer to any of Off, 10 min, 30 min, 60 min, 90 min and 120 min.

EPG: Press this button to access the EPG window, on top left of which are TV channels and at the bottom of which are the broadcast schedule.

- ◆ Press Pg+ / Pg- to turn the program page over down or up.
- ◆ Use CH+▲ / CH-▼ button to move the cursor and choose a channel to check the related information ;
- ◆ Use VOL◀/VOL▶ button to look through the time table of the broadcast:

1.Channel List



Press OK to access this submenu which includes 3 items.

- ◆ TV Channel List
- ◆ Radio Channel List
- ◆ Delete All

1.1. TV Channel List

Press OK to access this item, and use CH+/- to choose one channel display option.

- ◆ **FAV:** Press FAVOR button to activate favor setting. Use CH+/CH- button to choose one channel, then press OK to start Favorite List setting (totally 8 favorite lists available) and press it again to confirm, or press it a third time to cancel the operation. One channel can be sorted into various Favorite lists. Press EXIT to quit current setting operation before proceeding to other settings. You have to press EXIT button to quit FAVOR setting interface once the setting is done and store your settings following the screen guide.
- ◆ **Lock:** press Red button to start Lock operation. Use CH+/CH- button to choose one channel. Then press OK to confirm, or press OK again to cancel Lock operation. You have to press EXIT button to quit the setting interface once the setting is done and store your settings following the screen hints.
- ◆ **Skip:** Press Green button to start this Skip setting. Use CH+/CH- button to choose one channel, and then press OK to confirm, or press OK again to cancel Lock operation. You have to press EXIT button to quit the setting interface once the setting is done and store your settings following the screen hints.
- ◆ **Move:** Press Yellow button to access Move setting. Use CH+/CH- button to choose one channel, the press OK to confirm the move. Press OK again to cancel Lock operation. You have to press EXIT button to quit the setting interface once the setting is done and store your settings following the screen hints.
- ◆ **Edit: Use Blue button to access Edit setting:**
 - a. **Sort:** Press RED button to sort the channels in any of the 4 ways: Name (A-Z), Name (Z-A), Free/Scramble and Lock. Use CH+/CH- button to choose one sorting method, press OK to confirm. You have to press EXIT button to quit the setting interface once the setting is done and store your settings following the screen hints.
 - b. **Edit:** press Green button to edit the selected channels. Use CH+/CH- button to choose one channel, press OK to confirm. During the operation, some reference to the screen hints should be made. You have to press EXIT button to quit the setting interface once the editing is done and store your settings following the screen hints.

Red button (CAPS): Use this button to shift the alphabet form (capitalized/small).

Green button (DEL): Delete present letter;

Yellow (OK) button: Confirm current editing status;

Blue (CANCEL): Cancel editing operation and exit.

C. Delete: Press the Blue button to delete a channel. Use CH+/CH- button to choose one channel, press OK to confirm. Press OK again to cancel delete. You can delete multiple channels at one time. When the setting is finished, you have to press VOL+/VOL- to quit current interface and store the setting under the guidance of screen hints.

Notice:



If the channels are listed in more than one pages, please use PG+/ PG- to turn over the pages.

1.2 Radio Channel List

Please refer to the operation of TV Channel List for instruction when using this setting item.

1.3 Delete All

Press OK button to access this submenu item, and perform the operation following the screen hints.

2. Satellite Installation



◆ Press CH+/CH- button to select menu pages among edit channel, Installation, System Setup, Tools and ERC.

◆ Press OK or VOL+ button to enter the "Installation". If Menu Lock is "ON", it will display a dialogue for user to key in password. The default password is "0000".

◆ Press CH+/CH- button to select menu items.

◆ Press VOL- or EXIT button to go back to main menu.

2.1 Antenna Setup

Press OK button to select Satellite, and VOL+ button to enter the "Installation". Press CH+/CH- button to choose a function option, or press EXIT/MENU to quit current operation.

2.2 Satellite List

Press CH+/CH- button to choose a function option, or press EXIT/MENU to quit current operation.

Add: Press "Red" button to add a satellite.

Edit: Press "Green" button to edit the satellite.

Delete: Press "Yellow" button to delete the satellite.

Scan: Press "Blue" button to choose a satellite, press OK to confirm the search.

2.3 Antenna Setup

Press OK button to access this submenu item, and press CH+/- button to choose an option, or press EXIT/MENU to quit current operation.

2.3.1 Fixed Antenna

- ◆ Satellite: Choose a satellite.
- ◆ LNB Freq: Press OK to select a proper LNB Frequency.
- ◆ Transponder: Press OK to select a transponder.
- ◆ DiSeqC1.0 : Press OK to select a digital control port: Disable/ Port 1/ Port 2-Port 4.
- ◆ 22K: Use VOL ◀/VOL ▶ button to activate or deactivate 22K Hz switch.
- ◆ Polarity: Use VOL ◀/VOL ▶ button to choose a polarity voltage mode out of Auto, H(horizontal) and V(vertical).

2.3.2 Motor Antenna

- ◆ LNB Type: Press OK to choose the LNB Frequency.
- ◆ Motor Type: Use VOL ◀/VOL ▶ button to select either USALS or DisEqC 1.2.
- ◆ Local Longitude: Use VOL ◀/VOL ▶ button to select either E(East) or W(West) before pressing OK to confirm and numeric buttons to input the longitude needed. (Note: This item can be set only when Motor Type is set to USALS.)
- ◆ Local Latitude: Use VOL ◀/VOL ▶ button to select either S(South) or N (North) before pressing OK to confirm and numeric buttons to input the latitude needed. (Note: This item can be set only when Motor Type is set to USALS.)
- ◆ Delete All: Delete the installation parameters of LNB.
- ◆ Motor Setting:
 - a. Satellite: Press OK to select the satellite to be followed up ;
 - b. Transponder: Choose a transponder on the positioned satellite.
 - c. Position No. & Save: Press VOL ◀/VOL ▶ button to set the Position No. of current satellite or transponder and save.
 - d. GO to X: Press OK button to choose the position of a satellite.
 - e. Save: Use VOL ◀/VOL ▶ button to choose "moving east or west, operate with reference to the signal quality bars, and press OK to save current channel once the signal is good enough.
 - f. Recalculation: Update the related parameters of automatic positioner.
- ◆ Limit Setup:
 - a. Limit Setup: Press VOL ◀/VOL ▶ button to choose any of the Limit mode: Disable/ West Limit/ East Limit
 - b. Limit Setup: Press VOL ◀/VOL ▶ button long enough to set the offset range of positioning in particular direction (West or East) following the screen hints.
 - c. Go to Reference: Go to Reference: Press OK to go back to the Reference position of automatic positioning.

2.3.3 Single Satellite Search

- ◆ Satellite: Press OK to choose a satellite for search.
- ◆ FTA Only: Yes (Search the free channels only) /No(Search both free and paid channels)
- ◆ Scan Channel: TV Channel, Radio, and TV + Radio
- ◆ Network Search: Yes/No (This operation can be performed only in Preset Scan mode.)
- ◆ Scan Mode: Auto Scan/Preset Scan
- ◆ Search: Start searching.

2.3.4 Multi Satellite Search

- ◆ Satellite: Press OK to choose satellites for search.
- ◆ FTA Only: Yes (Search the free channels only) /No (Search all channels(free and paid)
- ◆ Scan Channel: TV Channel, Radio, and TV + Radio
- ◆ Network Search : Yes/No
- ◆ Scan Mode: Auto Scan/Preset Scan
- ◆ Search: Start search.

2.4 TP List (Transponder)

Press "SAT" button to access this submenu item. Then press CH+/CH- button to choose an option, and press OK to start search, or press EXIT/MENU to quit current operation. As for the operation of Edit/Add/Delete/Search function, please refer to item 2.2 Satellite List for more information.

3. Terrestrial Installation (V7 COMBO/ATSC only)

Enter the "Terrestrial" item to the Channel Search main Menu.

1. Select the "Auto Search", Press "OK" button, a confirmation window is displayed.

Press the "OK" button to start Auto Search, press "EXIT" button to cancel



2. Select the "Manual Search", Press "OK" button, to enter the Manual Search menu.

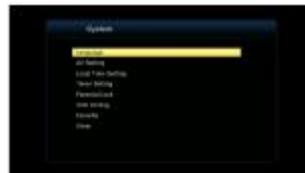
Press the "RIGHT" or "LEFT" cursor button to set Frequency channel, then press "OK" button to cancel





3. Press "LEFT" or "RIGHT" button to set the "Country".
4. Press "LEFT" or "RIGHT" button to set the "Antenna Power".
When "Antenna Power" is selected "on", the STB will provide 5V power to antenna. It will not provide when selected "Off"
5. You can activate/disactivate the LCN function by setting the "LCN" to on/off.
IF LCN {Logical channel Number} Select function is activated, you can't change the original number of TV channels by scanning

4. System Setup



Press OK to access this submenu which includes 8 items.

- ◆ Language
- ◆ AV Setting
- ◆ Local Time Setting
- ◆ Timer Setting
- ◆ Parental Lock
- ◆ OSD Setting
- ◆ Favorite
- ◆ Other

Press CH+/ CH- button to move the cursor up and down to make a selection and press VOL▶ or OK to access the function item. In the case that there is some navigation hints< >, you can also access certain item by pushing VOL◀/VOL▶ button to move to the option item, or press EXIT/ MENU to get back to upper menu or quit current operation in the end.

4.1 language

- ◆ Language: English, French, German, Italian, Portuguese, Russian, Spanish, Turkish, Polish, Czech, Finnish, Greek and Swedish, 13 languages in total.
- ◆ First Audio: English, French, German, Italian, Portuguese, Russian, Spanish, Turkish, Polish, Czech, Finnish, Greek and Swedish, 13 languages totally available.
- ◆ Second Audio: English, French, German, Italian, Portuguese, Russian, Spanish, Turkish, Polish, Czech, Finnish, Greek and Swedish, 13 languages available.
- ◆ Subtitle Language: English, French, German, Italian, Portuguese, Russian, Spanish, Turkish, Polish, Czech, Finnish, Greek and Swedish, 13 languages available.
- ◆ Teletext: English, French, German, Italian, Portuguese, Russian, Spanish, Turkish, Polish, Arabic, Czech, Finnish, Greek and Swedish, 13 languages available.

4.2 AV Setting

- ◆ Display Mode : Auto, PAL, and NTSC, three options available.
- ◆ Aspect Mode: 4:3LB (Letterbox), 4:3 PS (Pan & Scan) and 16:9 available.

4.3 Local Time Setting

- ◆ GMT Usage: On/ Off. Choose the proper time display mode (In Off status, Date and Time can be set.)
- ◆ GMT Offset: Select the local GMT offset.
- ◆ Summer Time: Activate or deactivate Summer Time.
- ◆ Date: Set the present date parameter.
- ◆ Time: Set the present time.

4.4 Time Setting

Totally there are 8 items regarding this setting.

- ◆ **Timer mode:** This item can be set to any of Off, Once, Daily, and Weekly.
- ◆ **Wakeup Channel:** Choose a Channel that needs to be waken up...
- ◆ **Wakeup Date:** Set a date to wake up the user.
- ◆ **On Time:** Set the start time when the timer is tuned On.
- ◆ **Duration:** Set the duration time for the timer.
- ◆ **Mode:** Set the mode is View or Record.

4.5 Parental Lock

Input Password: a 4-digit number (The initial password is "0000")

- ◆ Menu Lock: On/ Off
- ◆ Channel Lock: On/ Off
- ◆ New Password: Input the new password.
- ◆ Confirm Password: Confirm the new password.

4.6 OSD Setting

- ◆ Subtitle Display: On/ Off
- ◆ OSD Timeout: 1-10 seconds
- ◆ OSD Transparency: 10%, 20%, 30%, 40% available.

4.7 Favourite

Totally there are 8 Favourite groups. To change the lists.

6.2 Storage Format



6.3 DVR Configuration



6.4 Jump



7. Conditional Access



7.1 Key Edit



8. Network



Press OK to access this submenu which includes 4 items.

- ◆ Wifi
- ◆ 3G
- ◆ Online Movie App
- ◆ CS Protocol

8.1 Wifi: press connection USB wifi to USB, and you can set the wifi password to connect to the internet

8.2 3G

8.3 Online Movie App

8.4 CS Protocol



Note:



The Network options need to be in the connection of USB WIFI to work.

9. Shortcut Key Operation

Audio: press AUDIO button to get into audio output setup window where you can choose any mode of "Stereo", "Mono", "Left", and "Right".

SLEEP: Use this button to set Sleep Timer to any of off, 10 min, 30 min, 60 min, 90min, and 120 min.

EPG: Press this button to access the EPG window, on top left of which are TV channels and at the bottom of which are the broadcast schedule.

◆ Press Pg+/Pg- to turn the program page over down or up.

◆ Use CH+▲/CH-▼ button to look through the time table of the broadcast.

Note:



The color buttons on different menu pages indicate different functionality.

Be sure to use them following closely the screen hints.

REC: Press this button to access the REC menu, and press this button to set the Record time.



Main Menu	Menu	Submenu	Options		
	Main Menu	Edit Channel	TV Channel List	FAV	
Lock					
Skip					
Move					
Edit				Sort	
			Edit		
			Delete		
Radio Channel List			FAV		
			Lock		
			Skip		
		Move			
		Edit	Sort		
		Edit			
		Delete			
		Delete All			
Installation		Antenna Connection	LNB1	Fixed Antenna	
				Motor Antenna	
		Satellite list			
		Antenna Setup (Fixed Antenna)	Satellite		
			LNB Freq		
	Transponder				
	DISEqC1.0		Disable		
			Port1		
			Port2		
			Port3		
	22K		Port4		
			Off		
	Polarity		On		
		Auto			
H					
	V				

Main Menu	Menu	Submenu	Options	
	Installation	Antenna Setup (Motor Antenna)	LNB	
			Motor Type	DiSEqC1.2
				USAL
			Local Longitude	
			Local Latitude	
			Delete All	
			Motor Setting (DiSEqC1.2)	Satellite
				Transponder
			Motor Setting (USALS)	Satellite
				Transponder
				Position No. & Save
			Limit setup	Disable Limit
		West Limit		
		East Limit		
		Single Satellite Search	Satellite	
			FTA Only	Yes
				No
			Scan Channel	TV + Radio
				TV Channel
				Radio
			Network Search	Yes
				No
			Scan Mode	Presat Scan
				Auto Scan
		Search		
		Multi Satellite Search	Satellite	
			FTA Only	Yes
				No
			Scan Channel	TV + Radio
				TV Channel
				Radio
			Network Search	Yes
No				
Scan Mode	Presat Scan			
	Auto Scan			
Search				

Main Menu	Menu	Submenu	Options	
	System Setup		TP List	
Language		Language	English, French, German, Italian, Portuguese, Russian, Spanish, Turkish, Polish, Czech, Finnish, Greek, Swedish	
		First Audio		
		Second Audio		
		Subtitle Language		
TV System		Display Mode	Auto	
			PAL	
			NTSC	
		Aspect Mode	4:3PS	
			4:3LB	
		Video Output	CVBS	
Local Time Setting		GMT Usage	On	
			Off	
		GMT Offset	UTC+00:00-UTC-00:30	
		Summer Time	On	
Timer Setting		Date	Off	
		Time		
Parental Lock		Menu Lock	On	
			Off	
		Channel	On	
		New Password	Off	
OSD Setting		Confirm Password		
		Subtitle Display	On	
			Off	
Favorite		OSD Timeout	1-10	
		OSD Transparency	10%-40%	
	Fav group 1-8			

Main Menu	Menu	Submenu	Options		
	System Setup	Other	LNB Power	On	
				Off	
			Channel Play Type	All	
				Free	
				Scrambled	
			Channel Change	Freeze	
				Black screen	
			Beeper	On	
	Off				
Tools	Information				
	Factory Setting				
	S/W Upgrade by RS232	Upgrade Mode	alicode		
		Start			
	S/W Upgrade by USB	Upgrade Mode	alicode		
		Start			
	CA System	Cas Slot 1			
	S/W Upgrade by OTA	Satellite			
		Transponder			
		Frequency			
		Symbol Rate			
		Polarity			
		Download PID			
	Start				
USB					
Game	Tetra				
	Othello				
REC	Record Manager				
	PVR Setting				
	HDD Information				

◆Receiver Maintenance

Be sure to turn the unit off and disconnect the AC power cord cable before maintaining the unit. Keep the unit clean. If the surfaces are extremely dirty, wipe the unit with a dry soft cloth. Never use alcohol, benzene or other chemicals. Do not use compressed air to remove dust. Ask the technician to maintain the unit when problems appear.

◆Glossary

DVB MPEG-2

DVB refers to Digital Video Broadcasting, and DVB-S is one model of DVB. S stands for Satellite. MPEG is the abbreviation of Moving Picture Experts Group, who set series of international standards for audio and video data compression. MPEG-2 is applied to compression of digital TV signal.

SUBTITLE

Subtitle refers to Words that are displayed at the bottom of the window. They are the translation version or transcription of the discourses or remarks etc. In MPEG-2 coding format, there are as many as 32 subtitle languages.

FEC

Forward Error Correction, used to correct the errors of signal transmitted between antennae.

PID

Packed Identification, indicates the identification codes of DVB MPEG-2 AV data stream, and is used to deliver AV signal to designated address.

LNB

Means Low Noise Block down-converter, which is applied in satellite TV (microwave) signal amplification, frequency combination and medium-frequency front amplification after first local oscillation.

QPSK, SCPC, MSPC

QPSK refers to Quadrature Phase Shift Keying, one demodulation mode, is used to demodulate SCPC and MCPC programs.

DisEqC

DisEqC is digital coding switch, used to switch MCPC satellite signal to realize one-unit to multi-satellite reception.

Go To X

Go To X is one sort of automatic satellite positioning/ tracing, used to help adjust the longitude and latitude of the parabolic-torus antenna to position the satellite.

Features

- High Definition STB decoder, Full HD 1080P output via HDMI
- Hybrid tuner for DVB-S2, DVB-T/T2(ATSC)
- SCPC and MCPC receivable from C/KU band satellite
- DISEqC 1.0,1.1,1.2, SUALS and Unicable supported
- 2*USB 2.0 Host, USB-WIFI supported
- Video Decoding: MPEG-4/H.264, MP@ML, MP@HL, MP@4.1, XVID, DIVX
- Audio Decoding: LPCM, AAC-LC, HE-AAC, MP3, Dolby plus
- Automatic PAL/NTSC conversion
- 6000 channel (TV and Radio) programs
- 8 different favorite groups selection
- Satellite EPG
- Subtitle supported
- Teletext supported by VBI insertion and software emulation
- PVR Ready, Recording and TimeShift
- Blind scan, Full scan, LCN function
- Parental lock facility by channel and program event
- Full Picture In Graphic(PIG) function
- Multilingual menu text supported
- Software upgrade via USB,RS232

Specifications are subject to change without further notice.

The manufacturer does not assume any responsibility regarding any errors or mistakes in printing.

Please note that a new software may change the features of the receiver.

The manufacture holds the rights of changes without any further notice.

The image shown here is indicative only. The actual product may differ.

Note:More support guidelines, please contact the official website:

<http://www.freesat.cn>.

Troubleshooting

Troubleshooting

Check the possible failure modes and the suggested solutions on the chart below during your use of this receiver before requesting any service. Some simple checks or a minor adjustment on your part may help eliminate the problem.

Leave the maintenance task to professional technician.

Failure	Possible Cause	Suggested Solution
No power	The power cord has not been connected or plugged well.	Plug the power cord into the outlet tightly and switch on the power; if no power still, cut off the power again, and turn on the power in 5-10 minutes.
Can not scan programs	The antenna is not adjusted well	Adjust the antenna or use an outdoor antenna
	Antenna used incorrectly	Use a75 Ω antenna
	Parameter set are not correct	Input correct Frequency, Bandwidth parameter
No picture	Video cord not connected correctly	Connect the video output cord correctly
	Video output modes of the unit and the monitor are different	Reset the working modes
No color	Cord not connected correctly	Connect the output cord correctly
	The color system of the unit is different from that of monitor	Reset the working system
Image distortion from a change to the another	This is normal at most time	
The remote control fails to work	Battery not installed correctly	Install the batteries correctly
	Batteries are exhausted	Replace the battery
	It is operated beyond its normal range	Operate within a permit range
	The remote control sensor is pointed to by bright lights	Place the unit in another place
Audio sound and subtitle language is not right.	Has not choose the sound channel correctly	Press the Audio button to shift the channel
No sound	It is in mute status	Cancel the mute
	Volume is set at a low level	Augment the volume
	Cable not connected correctly	Connect the cable correctly
No sound suddenly	There might be a short circuit	Connect output cable correctly, and turn on the unit.
	It is switch to mute status	Cancel the mute
	In sleep status	Turn on the unit again
Serious distortion and can not receive smoothly	Serious interferential signal	Adjust the antenna.