DVB-T2

High Definition Digital Receiver



USER MANUAL

Remote Control

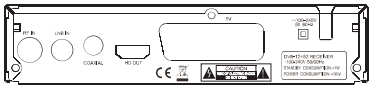


【POWER】	Turning the STB on or switching to standby
【TV/R】	Switch between TV and Radio modes
【MUTE】	Mute or Unmute the sound
【0~9】	Numeric Keys
【FAV】	Open the list of Favourites,if no program will enter the program list
【ZOOM】	No specific function
【EPG】	Opening the electronics programming guide menu
【INFO】	Display information about the current channel
【MENU】	Display main menu on TV screen, and press again to disappear menu
【EXIT】	Exit the current menu
【CH+/CH-】	Move up and down to switch channels or menu operations
【VOL+/VOL-】	Increase or decrease the volume or menu operation
【OK】	Display the program list or confirm the current setting
【P/N】	Multi-channel video
【R/L】	The satellite list
【P+/P-】	Turn the page up or down
【RED KEY】	Adjust audio mode under full screen; the specific function will be responded according to the menu promps under specific menu
【GREEN KEY】	No specified function under full screen mode, the specific function will be responded according to the menu promps under specific menu
【YELLOW KEY】	No specified function under full screen mode, the specific function will be responded according to the menu promps under specific menu
【BLUE KEY】	Turn on teletext function under full screen mode, it is a function for adjusting the video size mode under the multimedia video file play back menu。The specific function will be responded according to the menu promps under specific menu
【EDIT】	The shortcut key to find program functions according to program names,Same as the Find function corresponding to the green key under channel list menu)
【PAUSE】	When normal playing the programs under full screen, it will be timeshift function if timeshift is turned on, it will be normal video pause function if timeshift is turned off
【SLEEP】	Turn on the subtitle setting function under full screen mode
【 ▶ 】 Play	【RECALL】 Back to the last program
【 ● 】 Recording a TV Program	【 ⏸ 】 Same as PAUSE key function under full screen
【 ■ 】 Stop	mode,pause function under multimedia mode
【⏭】 The next file	【 ⏪ 】 Retreat quickly
【⏮】 The last file	【 ⏩ 】 Fast forward

Hardware Interface\Installation Guide

• Hardware Interface

- ***RF IN :*** It's to connect DVB - C or DVB - T2 signal input cable;
- ***RF Loop :*** It's to connect DVB - C or DVB - T2 signal output cable;
- ***USB port :*** It's to insert U disk, hard disk, USB WIFI module;
- ***HDMI port :*** It's to connect the HDMI port of TV via HDMI cable;
- ***SCART port :*** It's to connect the TV which support SCART via SCART cable;
- ***Coaxial port :*** It's to connect the audio equipment with coaxial audio cable;
- ***DC 12V port*** :The external 12V DC power provide the power for STB via DC 12V port.



• Installation Guide



When there is no TV or radio program, you will go to the install boot screen. Push the remote control [▲/▼] to turn off cursor movement, press [ok] or [▲/▼] to select or switch Settings, and press [MENU] or [EXIT] to enter the MENU menu. Move the cursor to channel search and press [ok] to enter the automatic search menu. In dvb-c mode, if there is no signal cable inserted or the signal cable is loose, a smell window of "Lock Failed" will pop up,if the program is successfully found, exit the installation screen and enter the big screen to play the program.

Main Menu\Channel Setting

• Main Menu

Press the [MENU] button under the big screen to enter the main MENU, which has seven Settings,press [▲/▼] button to switch Settings, and press [ok] or [▲/▼] button to move the cursor to the selected Settings screen。





• Channel Setting

1. Channel Edit



There are two ways to enter into this menu:

1.Press [OK] on the big screen to display the list of channels, and then press [YELLOW KEY] to enter into this menu。

2.In the main menu, move the cursor to the program editing bar and press [ok] to enter the program editing menu

When there is No TV program or radio program,it shows "No TV Channel!",Program editing menu press [▲/▼] KEY to move the cursor, [▲/▼] KEY to switch program group, [ok] KEY to select the program, press [GREEN KEY] to rename the program, press the number KEY [1-5] to enter the delete, move, skip the program, program lock, add favorite program function, again press the number KEY [1-5] to cancel, When the program editor is modified, press [EXIT/MENU] to pop up the prompt box "Do you want to save?" , press the [ok] key after selecting the ok option to save the Settings and exit the current menu. If Cancel is selected, the edited content will not be saved and will exit the current menu。

Channel Setting

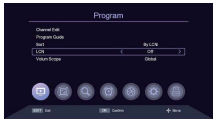
3. Sorting

Move the cursor to the Sort bar in the main menu and press the [▲/▼] key to switch the Sort mode.



4. LCN

In the main menu, move the cursor to the LCN bar and press the [▲/▼] key to switch whether to open LCN function or not.



5. Audio Settings

Move the cursor to the Volum Scope bar in the main menu and press the [▲/▼] key to switch the range of volume.



Image setting

• Image setting

1. Image ratio

Move the cursor to the Aspect Ratio bar from the main menu, press [▲/▼] key to switch options or press [OK] key to display the list of options, press [▲/▼] or [P+/P-] KEY to move the cursor, press [OK] to select Settings.



2. Resolution setting

Move the cursor to the Resolution bar from the main menu, press [-] or [P+/P-] KET to switch Resolution options or press [OK] key to display the list of options,press [▲/▼] to move the cursor, press [OK] to select Settings.

Move the cursor to the Sort bar in the main menu and press the [▲/▼] key to switch the Sort mode.



3. Output Format

In the main menu, move the cursor to the TV Format bar and press the [▲/▼] KEY to switch the output format.



Search setting

• Search

1. Search Mode

In the main menu, move the cursor to the Search mode bar and press the [▲/▼] KEY to switch the Search mode, dvt-t2 or dvb-c mode.





2. Encrypted program Settings

Move the cursor to the FAT Only bar in the main menu and press the [▲/▼] KEY to turn on or off filtering of encrypted programs.



Search setting

3. Auto Search

Move the cursor to the Auto Search bar and press [OK] or [►] to enter into the Auto Search menu. If there are programs current, the prompt "Delete all channels to Auto Search?" will be appear, select ok to enter into the search menu. In dvb-c mode, if the signal cable is not inserted or the signal not good, the menu will prompt "LOCK Failed!" , press [OK] key to exit.





4. Manual Search

Move the cursor from the main menu to the Manual Search bar and press [OK] or [►] KEYto enter the Manual Search Settings screen。



DVB - C mode:

Press [▲/▼] key to move the cursor to the Frequency bar, press [◄/►] KEY to select the location of modify parameters, input the number KEY [0~9] to set parameters, when the Frequency is less than 115MHz, will pop up "Frequency error, should not less than 115.0mhz" prompt window, when the Frequency is greater than 858MHz, will pop up "Frequency error, should not larger "Than 858.0mhz" prompt bar, press [OK] key to exit.

Search Setting

The cursor moves to the Symbol Rate bar, press the [◄ /►] KEY to select the position to modify the parameter, and enter the number key [0~9] to set the parameter. When the parameter setting is less than 2000, the prompt bar of "Symbol Rate error, Symbol should not less than 2000" will pop up; when the parameter setting is greater than 7000, the prompt bar of "Symbol Rate error, Symbol should not lager than" will pop up 2000 " prompt box, press [OK] key to exit. Move the cursor to the QAM bar, press the [◄/►] KEY to switch options, if the signal is locked by set-top box,then the Quality progress bar will be displayed at the bottom of the menu,if the signal Quality is good it's going to show purple. Move the cursor to the start bar,press [OK] to enter the search screen and begin the search. If the signal is not locked, It will prompt "LOCK Failed!" when pressing [OK].





DVB-T2 Mode:

Press [▲/▼] to move the cursor to the Channel bar, press [◄/►] to select modify parameters or press [OK] to show the list, press [▲/▼] to move the cursor, press [OK] to select parameters and press [OK] to confirm.



Search Setting

6. Main Frequency Setting

Main frequency setting is only available in DVB-C mode, move the cursor to the Main Frequency bar, press [OK] or [►] KEY to enter into Main Frequency Settings menu, press [▲/▼] KEY to move the cursor, press [◄/►] KEYand digital keys[0 ~ 9] to modify the attribute parameters, the Main Frequency can not be less than 115 MHZ and more than 858 MHZ,the Symbol Rate value setted cannot be less than 2000 ks/s or greater than 7000 ks/s, press [EXIT/MENU] key to save and exit, if the parameter setting with error, the prompt column will pop up, The error parameter will be restored to the value saved last time.



7. Country Setting

The country option is only available in DVB-T2 mode, move the cursor to country, press [◄/►] to switch countries or press [OK] to display the list of options, press [▲/▼] to move the cursor, press [OK] to confirm.



8. Antenna Power

The Antenna Power option is only available in dvb-t2 mode, Move the cursor to Antenna Power and press [◄/►] to switch ON or Off.



Option

• Option

1. OSD Language

The default Menu language Settings is English, press the [◄/►] key to modify the parameters.



2. EPG Language

The default TV guide language Settings is All, press the [◄/►] key to modify the parameters.



3. Subtitle Language

The default Subtitle language Settings is English, press the [◄/►] key to modify the parameters.



Option

4. TTX Language

The default TTX language setting is Auto, press the [◄/►] key to modify the parameters.



5. First Audio Language

The default First audio language Settings is English, press the [◄/►] key to modify the parameters.



6. Second Audio Language

The default Second audio language Settings is English, press the [◄/►] key to modify the parameters.



System setting

6. Network Setting

Move the cursor to the Network setting bar and press [OK] or [] key to enter into the Network setting menu.

Device: Press the [/] KEY to switch network devices, If the connection is USB wifi,then press the [GREEN KEY] to scan wifi, select the wifi to be connected, and enter the password to connect.

Mode: Control the device is on or off, press the [/] key to switch.

Type: Select to obtain IP dynamically or statically, press the [] key to switch, To move the cursor to the save bar to modify the parameters, and press [OK] to save it then it will take effect.





7. Power On Control

Move the cursor to the Power On Control bar and press the [/] key to switch options.

Power on: It refers to the Power on state after disconnect the power and restart.

Stand by: It represents that after power disconnect, standby state is entered after booting. Press [POWER] key to enter into boot state. If wake up in a sleep state,then will enter into power on state.

Last state: That's the last state, power disconnect and turn off the STB under normal situation,so it's boot state when turn on the STB, if power disconnect and turn off the STB under sleep mode, then it is sleep state after booting. If wake up under sleep mode, then it will enter into the boot state.



USB

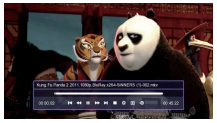
• USB

1. Media Centre

Move the cursor to the Media Centre bar and press [OK] or [►] keys to enter into the media center.

File mode: Under this mode, you can open each media format.

Video mode: Under this mode,it will display the available video files on the screen, select the folder to store the video, and press the [OK] key to play. Under video playback menu, the cursor stays on the progress bar by default.You can drag the cursor with the [◄/►] KEY and press the [OK] key to complete the seek time function.You can use the shortcut keys corresponding to the remote control to pause, play, fast forward,rewind and other function control if needed.Or when the control bar is displayed,press the [▼] key on remote control,select the icon,and press [◄/►] KEY to move to the corresponding icon which selected, press [OK] key to start the function.





Music mode:Under this mode,it will display the available audio files on the screen, selects the audio files in the directory, and presses the [OK] key to play. Under audeo playback menu,the cursor stays on the progress bar by default,You can drag the cursor with the [◄/►] KEY and press the [OK] key to complete the seek time function.You can use the shortcut keys corresponding to the remote control to pause, play, fast forward,rewind and other function control if needed.Or when the control bar is displayed,press the [▼] KEY on remote control,select the icon,and press [◄/►] KEY to move to the corresponding icon which selected, press [OK] key to start the function.



USB

Picture mode: Select the directory where the pictures are stored and press the [OK] KEY to play the pictures. In the picture playing menu,You can press the [◄/►] key to move to the corresponding icon which selected, and press the [OK] key to start the function. Press [RED KEY] to set playing properties; When the progress bar disappears, you can press the [◄/►] or [►/◄] keys to switch images up or down.



2. PVR Media

Move the cursor to PVR Media and press [OK] or [►] to enter into the PVR Media media. The left screen will list the recorded files in the saved device, and the right screen will display the PVR file information.Press [▲/▼] KET to select record file and press [OK] to play..[RED KEY] means to delete the PVR file of the cursor located row; [BLUE KEY] means to delete all PVR files. Press [EXIT/MENU] KEY to be back to the previous menu.





3. PVR Configure

Move the cursor to the PVR Configure bar, press [OK] or [►] to enter the PVR Settings screen, press [▲/▼] to move the cursor, if you change the PVR Settings, then press [EXIT/MENU] key,it will pop up "Do you want to save?" Prompt bar, move the cursor to select the ok bar, press the [ok] KEY to save.

Timeshift: Press [◄/►] key to switch Timeshift on-off, if the setting is on, you can do timeshift for the program while watching TV.



Technical Specification

Technical Specification

Classification	Item	Technical Configuration
Tuner	Input Connector	IEC 169-24 F-Type Female
	Input Frequency scale	115~870MHz
	IF Band width	8MHz
	Signal Level	-78~-20dBm
Channel Decoding	Standard Followed	DVB-C,DVB-T2
	Demodulating mode	OFDM, QAM-64、QAM-32 QAM-16
Video Decoding	Standard Followed	MPEG-4 Video Main Profile @Main level
		H265/HEVC Baseline Profile @Main level
		H265/HEVC High Profile @up to level4 for the following conformance points
		HEVC Main 10 Profile @ up to Level 4.1 for the following conformance points
	Video Format	4:3,16:9
	Resolution	1080p,1080i,720p,720i,576p,576i
	Container format	mp4、mkv、flv、ts
Audio Decoding	Standard Followed	Enhanced AC-3(aka Dolby Digital Plus) up to 5.1 channels
		MPEG-1 Audio Layer 1/2/3
		AAC-LC up to level 2 for stereo and level 4 multichannel(5.1)
		HE_AACv1 up to level 2 for stereo,level 4 multichannel(5.1)
	Audio Format	mono ,dual ,stereo,joint stereo
	Frequency Adopted	33, 44.1, 48KHz
	Container format	mp3、wav
Memory	Program flash Memory	4MB
	System Memory	64MB
Front Pannel	LED Display	1 indicator light of power
	Digital Tube	4 digital-7segments
	IR	38KHz
Rear Panel	RF IN、RF LOOP OUT	F Female input connector
	USB	USB2.0
	HDMI	HDMI
	SCART	RGB 、CVBS
	Coaxial	SPDIF
Power Supply	DC 12V	12V 2A
	Input Voltage	100~240V 50/60Hz
	Operating temperature	0~+50 °C