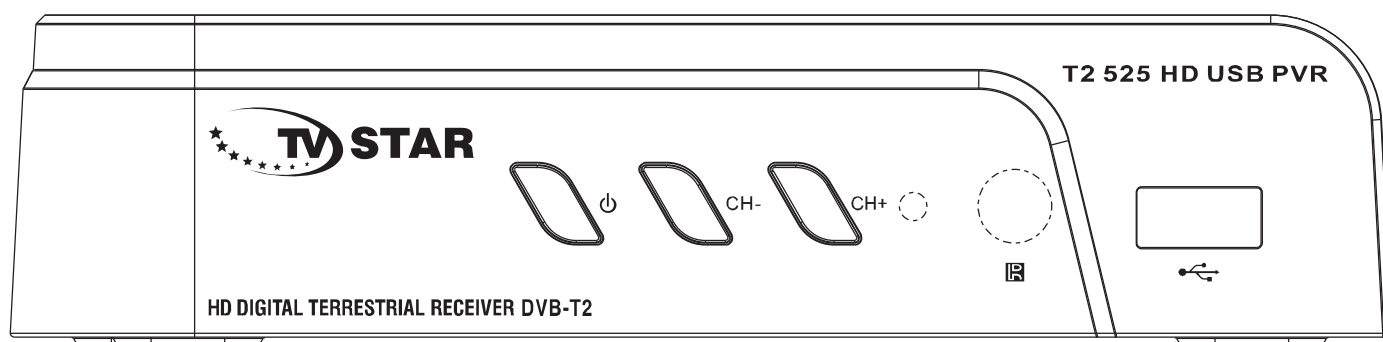




USER MANUAL

T2 525 HD USB PVR



CONTENIDO

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SAFETY INFORMATION

TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.



CAUTION : To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and servicing instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

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

IMPORTANT SAFEGUARDS

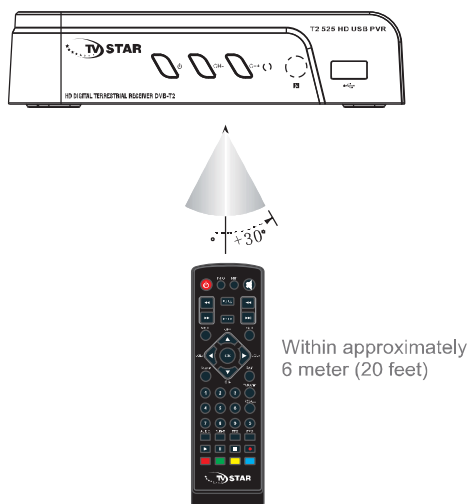
In addition to the careful attention devoted to quality standards in the manufacture of your video product, safety is a major factor in the design of every instrument. However, safety is your responsibility, too. This sheet lists important information that will help to assure your enjoyment and proper use of the video product and accessory equipment. Please read them carefully before operation and using your video product.

- Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.

- Do not use unsuitable (unprotected) power outlet; this may be dangerous.
 - Check the connection regularly. If there is any rupture or failure in the insulation of the cable and the unit, disconnect immediately and have the unit checked by a qualified technician.
 - Do not use the power cable connection anywhere near water or liquids, such as bath, sink, swimming pool, laundry tub or inside a wet/ moist basement, etc.
 - Do not place the unit on an unstable object. The set may fall, causing serious injury to a child or an adult and also serious damage to the unit.
 - Never place the unit near or on top of any heat radiating apparatus, such as heaters, ovens, stoves, radiators, fan heaters, amplifiers, etc. Also never expose the unit to direct sunlight as this may lead to the unit overheating.
 - Unplug the unit from the wall outlet before cleaning or polishing it. Do not use liquid or aerosol cleaners, alcohol or other cleaning sprays! Use a dry, soft cloth to clean the exterior of the unit only!
 - Never place a heavy object onto the unit!
 - Do not defeat the safety purpose of the power plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. Do not force the plug into the outlet!
 - Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 - Unplug this apparatus during lightning storms or when unused for long periods of time.
 - Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way.
 - Switch off the main power when the unit is not in use. (Disconnect the power plug from the power outlet when you do not intend to use the unit for a prolonged period of time). Remove the disc before moving or switching of the unit.
 - Do not cover or touch any of the components inside the unit!
 - Install the unit on a flat surface with good air circulation. Please ensure the ventilation holes are not covered, otherwise the unit will overheat and malfunction.
- 1 ● Read through this manual before installation and use.

INTRODUCTION

Remote control



Safety:

Please read this operation manual before you use STB. to avoid electric shock or fire hazard, do not open the cabinet. Use a cloth lightly dampened with water for cleaning the exterior of the unit. unplug the unit from the wall outlet if you don't use it long time. please don't touch power line with wetness hand. do not place it in a hot location and place it in ventilation location. turn off the power before connect antenna.

Accessory:

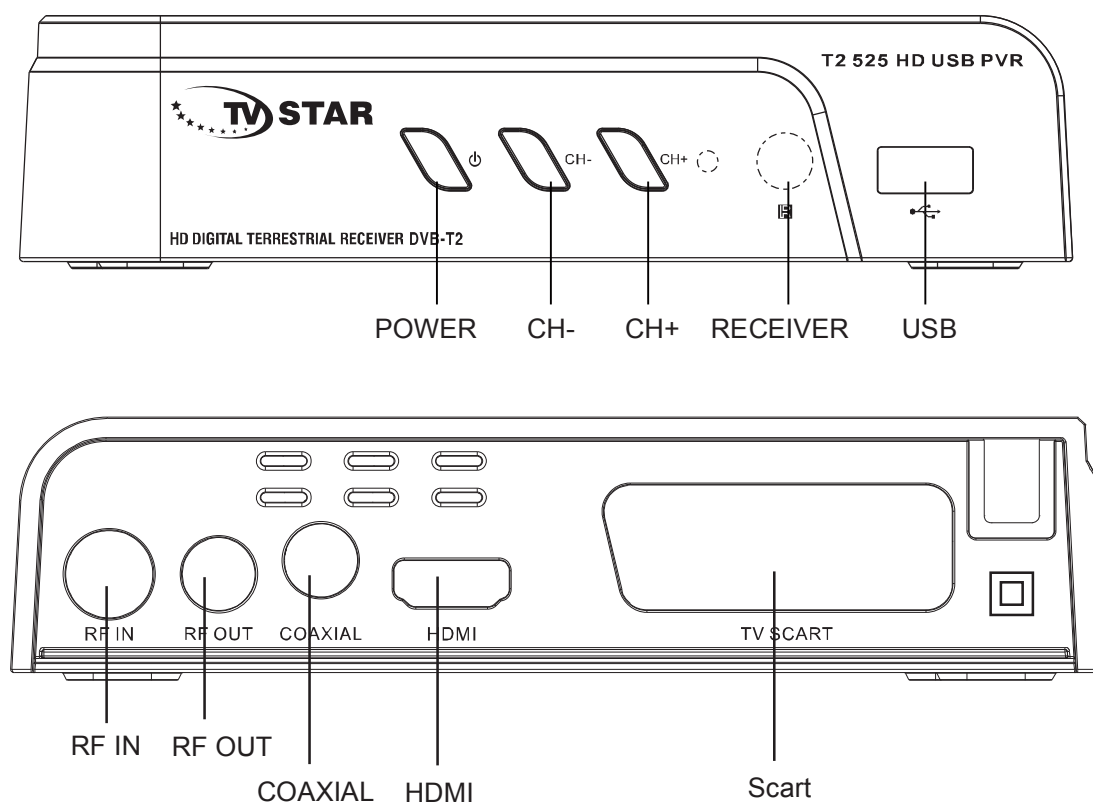
Remote Control: 1
User Manual: 1

BE ENVIRONMENTALLY FRIENDLY

Do not dispose batteries as normal rubbish. Be environmentally friendly, dispose batteries following the Government's regulation.

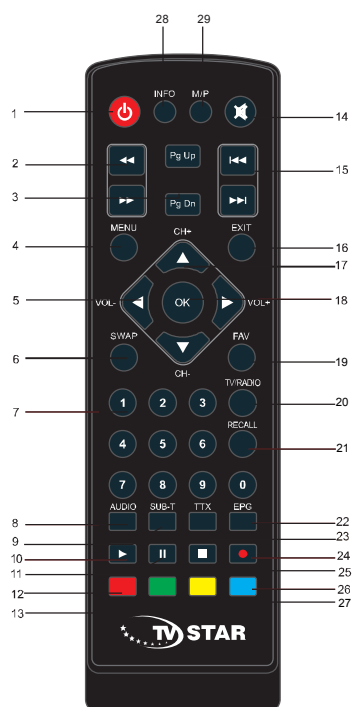
INTRODUCTION

Connection interface



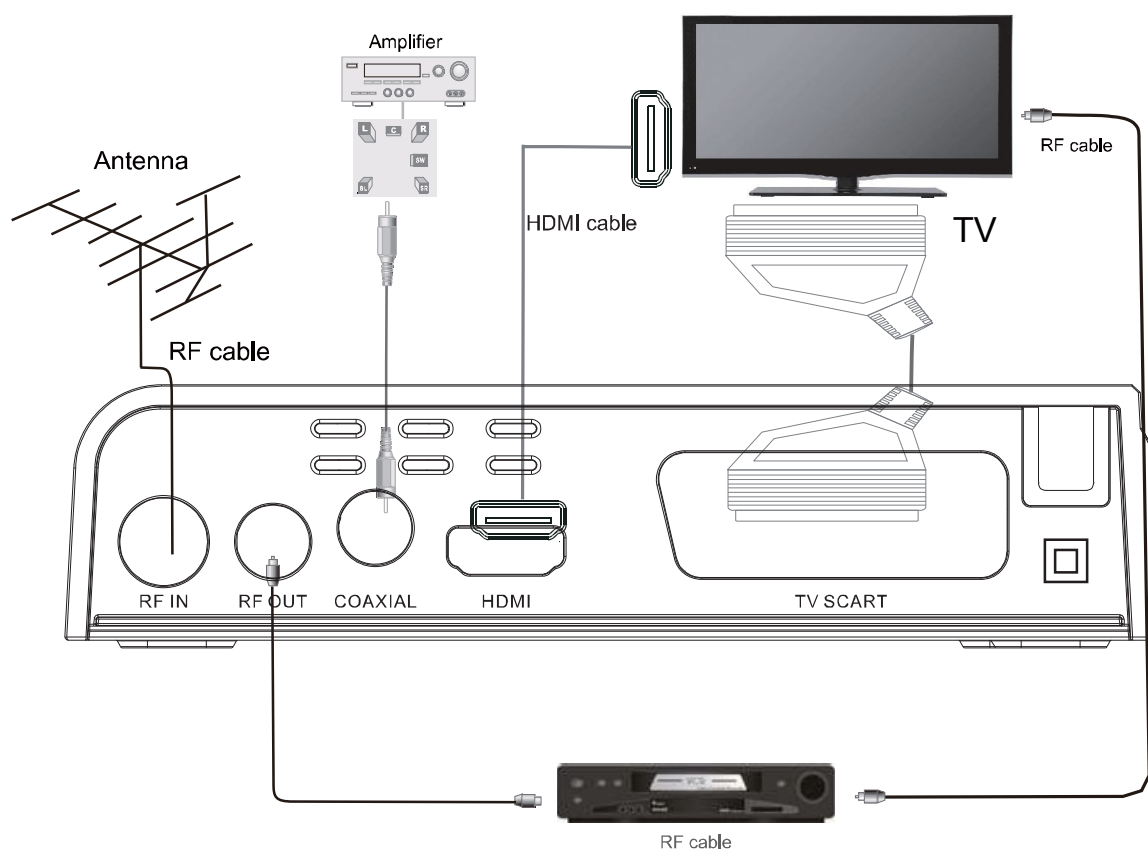
INTRODUCTION

REMOTE CONTROL:



- | | |
|----------------|--------------|
| 1. POWER | 16. EXIT |
| 2. FB/FF | 17. CH+/UP/ |
| 3. PG UP/PG DN | DOWN/CH- |
| 4. MENU | 18. OK |
| 5. VOL+/LEFT | 19. FAV |
| /RIGHT/VOL- | 20. TV/RADIO |
| 6. SWAP | 21. RECALL |
| 7. NUMBER | 22. EPG |
| 8. AUDIO | 23. TTX |
| 9. SUB-T | 24. REC |
| 10. PLAY | 25. STOP |
| 11. PAUSE | 26. BLUE |
| 12. RED | 27. YELLOW |
| 13. GREEN | 28. INFO |
| 14. MUTE | 29. M/P |
| 15. PREV/NEXT | |

System Connection



Basic Operations

4. Welcome Page

When turning the power on for the first time, the welcome page will be shown as below:



- 1 Press [Up/Down] key to move highlight.
- 2 Press [Left/Right] key to select Time Zone ,language, and aspect mode.
- 3 Move highlight to [Display Mode] button and press [OK] key to show display mode list. press [UP/DOWN] key to move highlight and press [OK] key to select display mode.
- 4 Move highlight to [OK] button and press [OK] key to begin the auto scan.
- 5 Press [Exit] key to exit welcome page and enter into main menu.



Media Player will be disabled when no USB device is plugged.

5 Media Player

Basic Operations

First you enter media player window, the highlight is on the USB/HDD device. Press [Down] key to move the highlight to directory and file field.

you can switch TAB between Music/Image/Video/Record by pressing [SWAP] key.

5.1 Video



[Exit] key: Return to parent directory.

[Menu] key: Exit

[OK] key: Press [OK] key to play video file.

[Left/Right] key: Press [Left/Right] key to volume+ or volume-.

[Page Up/Page Down] key: You can page up/down by pressing [Page Up/Page Down] key.

-Press **【Audio】** button : shows and select available audio track.

-Press **【Green】** button : shows and selects available external subtitle

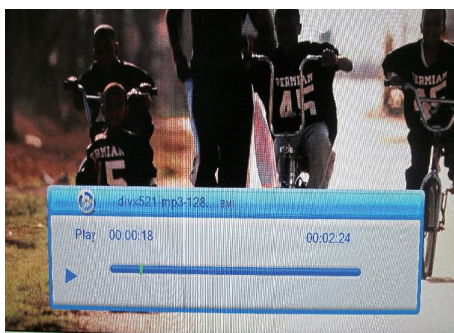
-Press **【Red】** button: shows and list of available video files

-Press **【Yellow】** button: shows list of available chapters

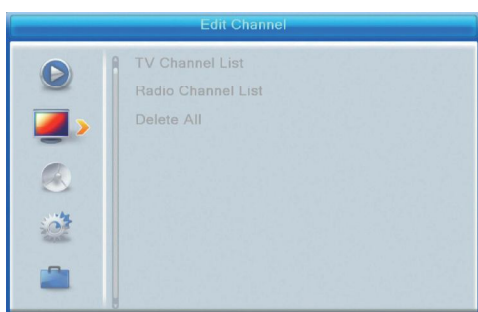
-Press **【Blue】** button: shows subtitle settings: font size, fg color,bg color,location;

-Press **【Subtitle】** button : shows and selects video own subtitles.

Basic Operations



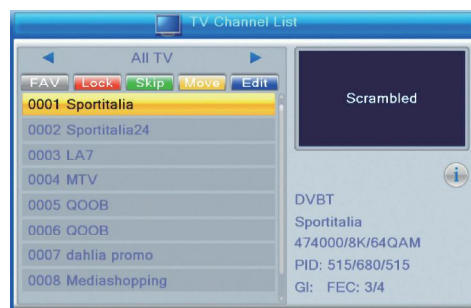
6. Edit Channel



6.1 TV Channel List

When entering the “TV Channel List” menu, which shows as below.

- 1 Move the highlight by pressing [Up/ Down] key then press [OK] key to preview the current highlighted program in the preview window.
- 2 By pressing [Page Up/Page Down] key to execute the Page Up/Page down function.
- 3 By pressing the [Up/ Down] key to switch to different Program Group.
- 4 By pressing the [Menu] or [Exit] keys to go back to the “Edit Channel” menu.
- 5 By pressing the color key to execute the corresponding functions in “Channel List.



6.1.1 Favorite

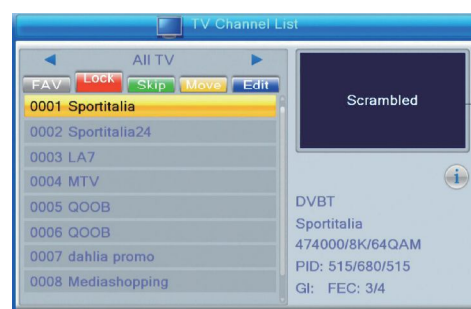
- 1 By pressing the [FAV] key, and then pressing the [OK] key, to open the “Favorite” window shown as above.

Basic Operations

- 2 To move the highlight among the 8 favorite groups by pressing [Up/ Down] key, and press [OK] key to make a favorite mark in the left side of the selected Favorite group.
- 3 Pressing [OK] key on the marked Favorite group to cancel the existing favorite mark.
- 4 After marking, pressing [Exit] key to go back to “TV Channel List”; there will be a favorite mark beside the marked channel.



6.1.2 Lock



- 1 Press [Red] key to enter the lock mode.
- 2 Press [Up/Down] key to move the highlight, and press [OK] key to display a dialogue to ask you to input password, which is “0000” for default. If the correct password is entered, then a “lock mark” can be seen on the right side of the highlighted channel.
- 3 After saving and exiting the menu, the password dialog will be required while you want to watch the locked channel.

6.1.3 Move

- 1 Press [Yellow] key, then press [Up/Down] key to move the highlight and press [OK] key to make a mark. There will be a “moving mark” in the right side of the selected channel as above.

Basic Operations

- 2 By pressing [Up/ down] key to move the selected channel to the position that you want to place. And press [OK] key to confirm your decision.



6.2 Radio Channel List

Basically, the operations in “Radio Channel List” are the same as those of the “TV Channel List”, except there is no video information in “Radio Channel List” mode, so the Radio’s logo will always be displayed in the right side preview window.



6.3 Delete All

Press [Ok] key, it will show up a warning message box to inquire you whether to delete all services or not .



- 1 If the selection is “Yes”, all channels will be deleted.
- 2 If the selection is “No” or press [Exit] key, this function will

Basic Operations

be ignored directly without saving.

7. Installation

When you enter the “Installation” menu, the menu will be displayed as below:



7.1 Auto Scan

When you enter to “Auto Scan” menu, there will display the screen like below:



In Auto scan mode:

- 1 In “FTA only” item, press [Left/Right] key to turn yes/no.
- 2 Moving the highlight to “Search” item and press [OK] key to start scanning.
- 3 In the “Auto Scan” menu, press [Exit] key to draw back from the scanning.

7.2 Channel Scan

When entering to “Channel Scan” menu, a channel scan menu will be shown as below:

Basic Operations

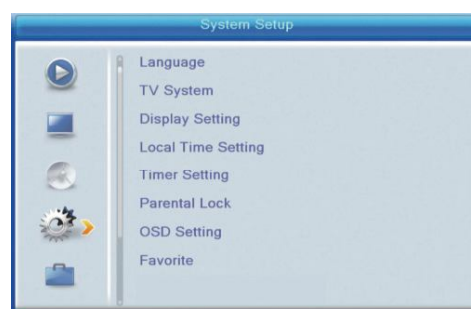


- 1 There are two choices of "Scan Modes." You can scan channel by channel or by frequency. If you scan by channel, "Scan Band" and "Ch No" are available to adjust. If you scan by frequency, "Frequency" and "Bandwidth" are available to adjust.
- 2 There are two choices of "Scan Band." You can choose "UHF" or "VHF."
- 3 There are 56 choices of "CH No" ranging from "CH5 (177500Hz) to CH12(226500Hz) and CH21(474000Hz) and CH69(858000Hz)."
- 4 You can adjust any frequency to search .
- 5 There are three choices of "Bandwidth", 6, 7, and 8 MHz.
- 6 When you complete your modification, move highlight to "Search" item and press [OK] key, then it will begin to scan.

7 Press [Exit] key to exit the scanning.

8. System Setup

When entering to "System Setup" menu, a menu will be displayed as below:



4 Press [Left] key or [Exit] key to go back to main menu.

8.1 Language

When entering the "Language" menu, you will see the screen as below:

Basic Operations



- 1 Language: press [Up/Down] key to select menu languages,
- 2 First Audio: Some channels have more than one available audio language; with this function, a user can set the first audio for this channel. If the playing channel has the same audio as the "First Audio" you set, system will play this audio language as default. If the channel hasn't the suited audio language, then the system will compare automatically with the second audio language.
- 3 Second Audio: If the channel contains the audio track corresponding to the "Second Audio" instead of the "First

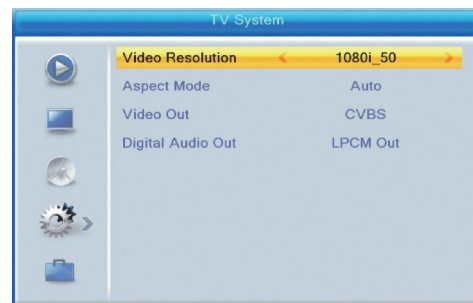
Audio", system will play the second audio language as default. If no audio language corresponds to the "Second Audio", then the default language of current channel will be played automatically.

- 4 Teletext: The user can set teletext language. If the streams have this language you can see the teletext in language you set.

5 Press [Exit] key to draw back from "Language" menu.

8.2 TV System

When entering the "TV System" menu, you will see the screen as below:



Basic Operations

1 Video Resolution: To switch the Video output: By pressing [Left/Right] key to select video output, include option: By source, By native TV, 480i, 480p, 576i, 576p, 720p, 1080i, 1080p

2 Aspect Mode: To switch the screen aspect ratio.

4:3 PS /

4:3 LB /

16:9 /

Auto

Auto means system won't do any aspect ratio switching.

3. Video output: RGB/CVBS.

4 Digital Audio Output:

LPCM Out

BS Out.

5 Press [Exit] key to draw back from "TV System" menu.

8.3 Timer Setting

Select "Timer Setting" item and press [OK] key to enter "Timer list" menu.



Pressing [up/down] key to select a timer, then press [enter] key to open timer menu.



1 Current time information: Display on the first column; if the current time is incorrect, please modify the time information in "Time" item.

Basic Operations

- 2 Timer Mode: There are several modes for Timer to set, including Off, Once, Daily.
- 3 Timer Service: There are two modes for Timer to set, including Channel and Record.
- 4 Wakeup Channel: By pressing [OK] key to enter channel list and select channel that you want to watch or record when time is up.
- 5 Wakeup Date: By using the number keys to input the wakeup date.
- 6 Wakeup Time: By using the number keys to input the wakeup time. Once the time's up, no matter what the system is in standby or in playing, the system will automatically switch to the channel you want to watch or record and start to play/record.
- 7 Duration: After setting a timer for "Duration" item, once the time's up, the system will automatically switch to standby mode.
- 8 Move the highlight to "Save" button and press [OK] key to save timer.

8.4 Parental Lock



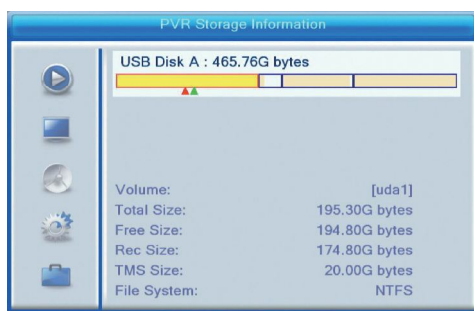
- 1 By pressing [OK] key on "Parental Lock" item, a dialogue will be pop up, to ask for the password which is "0000" for default. Once the user make the password correct, a screen will be shown as above.
- 2 **Menu Lock:** determining the users' intention to block the following menus with password: "Edit Channel/Installation/Tools/Media Player/System Setup".
- 3 **Rating lock:** Set the age for viewer.
- 4 **New Password:** used for revising password, by keying in the new password in this item. After the 4 digital numbers are filled, the Confirm Password item will ask you to input the new password again. If the password is correct, the

Basic Operations

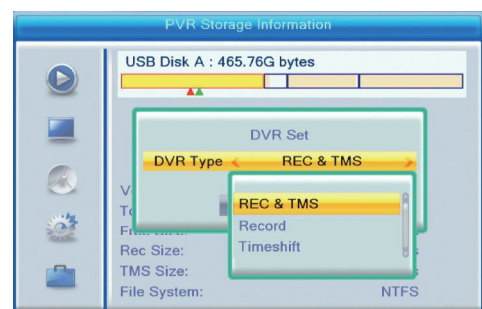
screen will show up a message of “Saving Data, Please Wait...” After finishing saving and drawing back to “System Setup” menu, the revising is completed.

5 Press [Exit] key to draw back from the “Parental Lock” menu.

8.5 PVR Storage Information



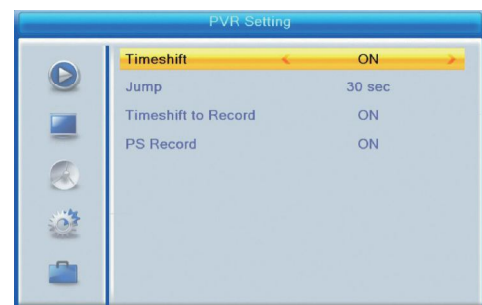
1 Press yellow 1 key: it will display “Format” window.
You can select “FAT” or “NTFS” to format the storage device.
2 press [Blue] key. It will display “DVR Set ” as below:



There are three choices listed as “REC&TMS “Record” and “Timeshift.” Users can select which way to record in HDD.

8.6 PVR Setting

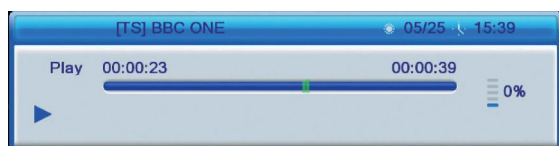
Move the highlight to “PVR Setting” and press [OK] key. It will display “PVR Setting” as below.



Basic Operations

- 1 . Timeshift: Press [Left/Right] to switch timeshift “On/Off”.
If set timeshift “On”, it will timeshift the program when user watch TV.

Press [pause] key to see timeshift OSD as below:



You can press [Left/Right] to move the slide to left or right. But can not exceed the current time. Press [OK] key to play the point where the slide is.

You also can press [Pause] /[fast back] can realize these function. Then it will enter the mode which is playing the recorded program on HDD. (like the picture below).

Then you can do pause, fast forward, fast back, slow forward, slow back.

Notes: Time Shifting will only be available when USB HDD is connected to system and read/write speed is high enough to do that.

Press [Stop] key to end the playing mode.

- 2 Jump: Press [Left/Right] to switch the jump time. The option is 30 second, 1 min, 5 min, 10 min, 30 min. When you play the record program, press the [PREV/NEXT] key can jump to previous and next point to see it.

- 3 Timeshift to Record: Press [Left/Right] to switch ON/OFF. If select “ON” and press [RECORD] key in full screen to record, it will record not only from the current time, but also the timeshift part before you press [RECORD] key.

- 4 PS Record: You can record as PS or TS mode

9. Tools

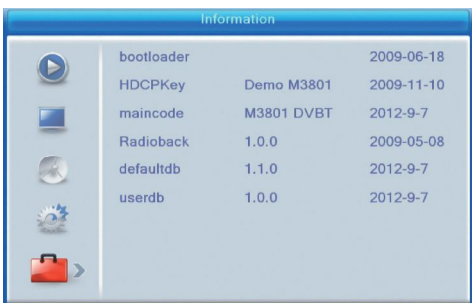
When entering the “Tools” menu, a screen will be shown as below:

Basic Operations



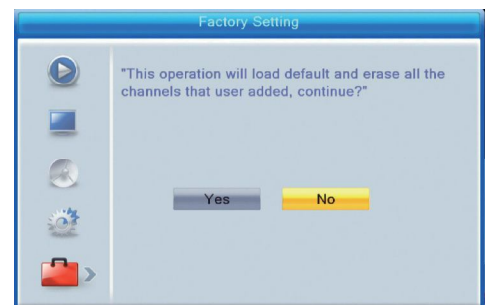
9.1 Information

1 When below the “Information” menu, a screen will be shown as above.



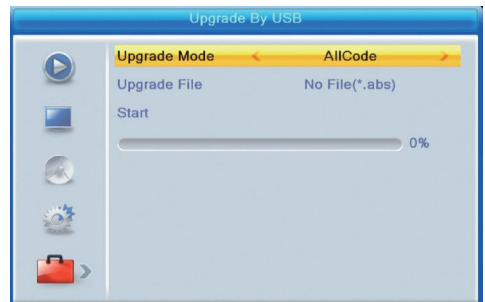
9.2 Load Factory Setting

To press [OK] key in the “Load Factory Setting” item:



9.3 Upgrade by USB

This function is only valid when the USB device has been plugged-in and attached at the receiver box.



Basic Operations

1. Upgrade Mode all code
2. Upgrade File: Select the right file.
3. Move highlight to start item and press [OK] key to start upgrade.

9.4 Remove USB device safely

Before removing the USB device, press “Remove USB device safely” first, with a reminding “You can safely remove USB device now!”. Then the USB device can be removed without concern.



10. Hotkey

10.1 Power

- 1 Press [Power] Key can enter the Standby state
- 2 In Standby state, press [Power] Key again can call back the unit and go on play the previous channel
- 3 User can also disconnect the device's main power to end the Standby state.

Basic Operations

10.2 Channel Up/Channel Down

In full screen, press [CH+/CH-] to change channel.

10.3 Volume Up/Volume Down

In full screen, press [VOL+/VOL-] to adjust volume.

10.4 Number 0~9

In full screen, use number key and press [OK] on the Remote Control Unit to change channel.

10.5 TV/RADIO

In TV mode, pressing [TV/RADIO] key can switch to Radio mode. In Radio mode, press [TV/RADIO] key to switch to TV mode.

10.6 Audio

1 In full screen, press [AUDIO] key can open the “Audio” window on the screen.



2 You can modify the audio track by press [Up / Down] key and modify the audio mode by press [Up / Down] key.

3 Mode: Left/Right/Stereo/Mono

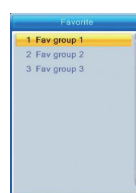
10.7 Mute

1 Press [MUTE] key to mute the sound and the screen will show up mute OSD.

2 Press [MUTE] key again to restore sound.

10.8 Favorite

1 In full screen, press [FAV] key, it will display a window of “Favorite Group” on the left of the screen, which you can watch like below.



Basic Operations

2 In the window of “Favorite”, you can move highlight by press [Up/ Down] key and press [OK] key to select favorite group.



3 You also can press [Left/Right] keys to select different “Favorite Group”.

4 Frequently Asked Question

Q: Why the screen displays “No Favorite Channel”, after pressing [Favorite] key?

A: It is because that you haven't set any channels as “favorite channel”. Please refer to Favorite

10.9 Recall

Press [RECALL] key will directly switch to the previous channel that you played before current channel.

10.10 EPG

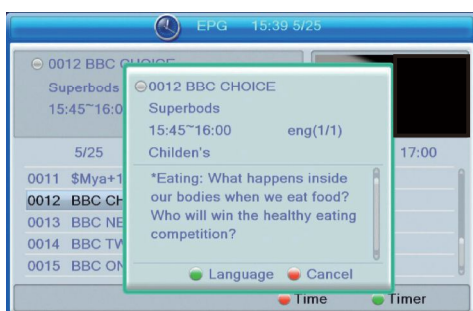
1 The STB has an Electronic Program Guide (EPG) to help you navigate channels through all the possible viewing options. The EPG supplies information such as channel listings and starting and ending times for all available channels.

Press [EPG] key to display EPG screen.

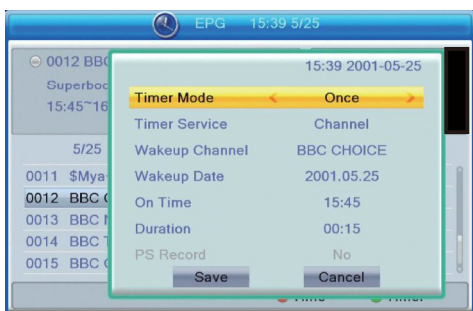


2 Press [OK] key in each item can see more detail information and press [Red] key to cancel

Basic Operations



- 3 Press [Red] key in EPG menu can display "Time Bar" Menu. In "Time Bar" menu, you can press [Left/Right] to select "back/current time/last program or -0:30/next program or +0:30/-2:00/+2:00/last day/next day". Press [Up/Down] key to channel change.
- 4 Press [Green] key in EPG menu can open timer menu. User can save a timer as he want.



5 In EPG menu, press [Exit] to close EPG screen.

10.11 Subtitle

Press [SUBTITLE] key in full screen, you can select subtitle and teletext subtitle language or switch subtitle off.

10.12 TEXT

- 1 Press [TEXT] key in full screen, you can open teletext page on the channel which has teletext information.
- 2 If the channel has no teletext information, it will show "No Data" on the screen.

10.13 Menu

- 1 Press [MENU] key can open the menu, exit the current menu to last menu or close the window.

10.14 Exit

Press [EXIT] key can exit the current menu to last menu or close the window.

10.15 Page Up/Page Down

- 1 In Channel list, press [Page+/Page-] key can page up and page down the channel list.

10.16 Record

- 1 Press [Record] key can record current program to USB disc. The default record duration is 2 hrs.
- 2 Press [Record] key again can input record duration.

Basic Operations

10.17 PLAY

Press [PLAY] key can change to normal playback mode while other trick mode is enabled such as PAUSE, Forward or Reverse. If timeshift is ON, press [Play] key to open DVR Infomation

10.18 Pause

- 1 In playing mode, press [Pause] key, the picture will be paused, but the sound of the channel will still continues.
- 2 Press [PAUSE] key again, the screen's picture will skip over to the current playing picture, and the sound of the channel will correspond playing.

10.19 STOP

- 1 In the time-shift mode, press [STOP] key can stop time-shift play and comeback to life position.
- 2 When recording, press [STOP] key will list the recording programs. Press [STOP] again will stop recorder.
- 3 When playing recorded file from record manager, press [stop] key will stop playing file and comeback to record manager menu.
[REVSLOW] function will be ignored.

10.20 FB

Press [FB] button rewinds backward with X2, X4, X8, X16 and X24 speed

10.21 FF

Press [FF] button plays forward with X2, X4, X8, X16 and X24 speed.

10.22 PREV

1. When playing PVR, press [PREV] key will backward jump the step set as jump menu.
2. In Media Player, press [PREV] key can go to previous track of audio file, and continue playing.

10.23 NEXT

1. When playing PVR, press [NEXT] key will forward jump the step set as jump menu.
2. In Media Player, press [NEXT] key can go to next track of audio file, and continue playin

TROUBLESHOOTING

In some region, the digital terrestrial signal may be weak. So you'd better use the antenna in which the booster was built, for watching the weak signal channels.

Problem	Possible cause	What to do
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area	Check aerial lead Check aerial Check with dealer
No picture or sound	Tuned to digital teletext channel	Turn to another channel
Scrambled channel message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver off Handset not aimed correctly Front panel obstructed Hand set batteries exhausted	Plug in and turn on plug Aim handset at front panel Check for obstructions Replace handset batteries
Forgotten channel lock code		Delete locked channel and scan channels again.
Forgotten menu lock code		Contact help line Try the super code : "3327"
After moving the STB to another room you find you are no longer able to receive digital reception	The aerial feed former new point may come through a distribution system which may reduce the digital signal now received by the box.	Try a direct feed from the antenna

SPECIFICATIONS

<p><u>TUNER & CHANNEL</u></p>	<p>RF INPUT CONNECTOR x1 (D-TYPE, IEC169-2, FEMALE)</p> <p>RF OUTPUT CONNECTOR x1 (D-TYPE, IEC169-2, MALE (LOOPTHROUGH))</p> <p>FREQUENCY RANGE: 174MHz ~230MHz (VHF) & 470MHz ~862MHz (UHF)</p> <p>SIGNAL LEVEL: -10 ~ -70 dbm</p>
<p><u>DECODER</u></p> <p>TRANSPORT STREAM PROFILE LEVEL</p> <p>VIDEO PROFILE AND LEVEL</p> <p>INPUT RATE</p> <p>VIDEO FORMATS</p> <p>Audio Format</p> <p>VIDEO OUTPUT</p> <p>MEDIA PLAYER</p>	<p>MPEG-2 ISO/IEC 13818-1</p> <p>MPEG-1 MPEG-2 MP@ML</p> <p>MPEG-4 AVC/H.264 HP@L3/H.264/AVC HD</p> <p>Max. 80Mbit/s @ MPEG2</p> <p>Max. 60Mbit/s @ H.264/AVC</p> <p>4:3/16:9 SWITCH ABLE</p> <p>MPEG Layer I & II 32 / 44.1 / 48KHz</p> <p>CVBS YPbPr</p> <p>MP3/JPEG/BMP/OGG</p>

SPECIFICATIONS

<u>CONNECTION</u> MAIN POWER CABLE TUNER USB SPDIF HDMI	FIXED TYPE ANTENNA INPUTx1, RF OUTPUT x1 USB2.0 FULL SPEED X1 COAXIAL HDMIx1
<u>POWER SUPPLY</u> INPUT VOLTAGE STANDBY CONSUMPTION POWER CONSUMPTION	~220-240V 50/60Hz MAX. 0.5W MAX. 6 W (USB Max Load: DC 5V, 300mA)

