Please Note: This device is factory preset to Auto standby mode which will automatically be switched off after 3 hours.
To turn the auto standby mode off, please use the following instructions: "MENU"->"Main Menu"->"System Setup"->"Auto Standby", press [Left/Right] key to set the "Auto Standby" as "Off"!
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.
Safety:

Please read this operation manual before you use this unit. 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. Do not place it in a hot location and place it in ventilated area. Turn off the power before connecting antenna.

Accessory:

Remote Control: 1
User Manual: 1

BE ENVIRONMENTALLY FRIENDLY
Connection interface
REMOTE CONTROL:

1. POWER
2. NUMERIC ENTRY
3. MENU
4. CH+
5. VOL- or LEFT
6. OK
7. PAGE UP
8. CH-
9. TV/RADIO
10. INFO
11. AUDIO
12. SUBTITLE
13. PLAY
14. PAUSE
15. RED BUTTON / FB
16. GREEN BUTTON / FF
17. MUTE
18. RECALL
19. EXIT
20. VOL+ or RIGHT
21. PAGE DOWN
22. FAV
23. EPG
24. TXX
25. REC
26. STOP
27. BLUE BUTTON / PVR
28. YELLOW BUTTON
4. Welcome Page
When turning on the power 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 region, language or Aspect 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.

5. Edit Channel
When pressing the [Menu] key to enter the main menu, which shows as below:

1 Press [Up/Down] key to select menu pages among Edit Channel, Installation, System Setup, Tools, Game, and REC.
2 Press [OK] or [Right] key to enter the “Edit Channel”. If Menu Lock is “On”, a dialogue inquires the password, “0000” is for default.
3 Press [Up/ down] key to select menu items among TV Channel List, Radio Channel List and Delete All.
4 Press [Left] key or [Exit] key to go back to main menu.

5.1 TV Channel List
When entering the “TV Channel List” menu, the window shows as below.
1 Move the highlight by pressing [Channel Up/Channel 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 [Volume Up/Volume 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.

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

5.1.2 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, “0000” is 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.

5.1.3 Skip
1 Press [Green] key to enter skip mode.
2 Press [Up/Down] key to move the highlight and press [OK] key to make a “skip mark” in the right side of the highlighted channel.
3 After saving and exiting menu, the channel will be skipped while user change channel in the full screen by pressing [UP/DOWN] key.

5.1.4 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.
2 By pressing [Up/ down] key to move the selected channel to the position that you want to place. Press [OK] key to confirm your decision.

5.1.5 Edit
1 Press [Blue] key to open “Edit” menu.
2 Press [Exit] to exit “Edit Channel” menu. If you have done some modification in “Edit Channel” menu, the system will show up a message box to inquire you whether saving or not when exiting.

5.1.5.1. Sort
1 Press [Red] key can open the “Sort” window. There are five kinds of sorting approaches. By Press [Channel Up/Channel Down] key to move highlight and press [OK] key to confirm your selection.
2 The five kinds of sorting approaches are:
   Name (A-Z): Sorting in Alphabetical ascending Order.
   Name (Z-A): Sorting in Alphabetical descending Order.
   Free/Scramble: Collecting all free/scramble channels and list in the top of TV channel list.
   Lock: Collecting all locked channels and list in the top of TV Channel List.
   Default: Return to original setting order.

5.1.5.2. Edit
In “Edit Channel” menu, press [Green], then press [Up/Down] key to move the highlight and press [OK] key to open the “Rename” window. Which shows as below:

5.1.5.3. Delete
Press [Blue] key, then press [Up/Down] key to move the highlight and press [OK] key to make a delete mark in the right side of the highlighted channel. After save and exit “Edit Channel” menu, the marked channel will be deleted.

5.2 Radio Channel List
Basically, the operations in “Radio Channel List” are almost the same as those of the “TV Channel List”.

1 Press [Yellow] key to switch whether capital or not.
2 Press [Red] key to delete the char on the cursor.
3 Press [Blue] key to save the modification.
5.3 Delete All
Press [OK] key, it will pop up a warning message to inquire you whether 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 be ignored directly without saving.

Frequently asked Questions
Q: IF I recklessly delete all channels, what should I do?
A: There is a way to restore:
To re-search all channels in “Installation” functions.

6. Installation
When you enter the “Installation” menu, the menu will be displayed as below:
1. Press [Up/Down] key to select menu pages among Auto scan, Channel scan, Aerial adjustment, LCN.
2. Press [OK] or [Right] key to enter the “Installation”. If Menu Lock is “On”, then a dialogue to inquiry the password will be shown. The default Password is “0000”.
4. Press [Left] key or [Exit] key to go back to main menu.

6.1 Auto Scan
When you enter to “Auto Scan” menu, there will display the screen like below:
1. In “FTA only” item, press [Left/Right] key to turn yes/no.
Basic Operations

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.

6.2 Channel Scan
When entering to “Channel Scan” menu, a channel scan menu will be shown as below:
1 There are two choices of “Scan Mode,” by channel or by frequency.
   If you scan by channel, “Scan Band” and “Ch No” are available to be adjusted.
   If you scan by frequency, “Frequency” and “Bandwidth” are available to be adjusted.
2 There are two choices of “Scan Band,” “UHF” or “VHF.”
3 There are 58 choices of “Ch No” ranging from
   In frequency “CH06(177500Hz)” to “CH69(816500Hz).”
4 You can adjust any frequency to search by moving highlight to “Frequency” and pressing [Left/Right] key.
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.

6.3 Aerial Adjustment
When entering to “Aerial Adjustment” menu, a menu will be displayed as below:
1 The user can check and adjust the Signal Intensity and Signal Quality of every Ch No.
2 Tuner Power : on/off
Basic Operations

6.4 LCN
LCN: To toggle the LCN mode On/Off

7. System Setup
When entering to “System Setup” menu, a menu will be displayed as below:

Press [Up/Down] key to select menu pages among Language, TV system, Local time setting, Timer setting Parental lock, Osd setting, Favorite and Auto standy.

7.1 Language
When entering the “Language” menu, you will see the screen as below:

1 Language: press [Volume Up/ Volume Down] key to select menu languages, the selections of languages include: English, German, French, Spanish, Italian, Portuguese, Greek, Russian, Turkish, Polish, Arabic, Persian

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 Subtitle Language: Some channels have more than
Basic Operations

one subtitle for choosing. With this function, a user can set the specified subtitle language. If the playing channel has the same subtitle language as the “Subtitle Language” the user set, system will play this subtitle language as default. If the channel hasn’t the suited subtitle language, then the default subtitle language of current channel will be played automatically.

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

6 Press [Exit] key to draw back from “Language” menu.

7.2 TV System

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

1 Video Resolution: To switch the system output video resolution.

2 Aspect Mode: To switch the screen aspect ratio. By pressing [Left/Right] key to select each mode circularly.

The following options are provided:
4:3 PS/4:3 LB/16:9/AUTO.
Auto means system won’t do any aspect ratio switching.
3 Digital Audio Output: LPCM/BS out.
4 Press [Exit] key to draw back from “TV System” menu.

7.3 Local Time Setting

1 Region: Select the country which the user is in.
2 GMT Usage: Set to be ON/OFF.
3 GMT Offset: Valid only when the setting of “GMT Usage” is “On”. By pressing [Left/Right] keys to switch “GMT Offset” values ranging from -11:30 ~ +12:00, with the increment unit by half an hour.
4 Summer Time: Valid only when the setting of “GMT Usage” is “On”. When “Summer Time” is “On”, one hour will be added.
Basic Operations

7.4 Timer Setting
Select “Timer Setting” item and press [OK] key to enter “Timer list” menu.

Press [up/down] key to select a timer, then press [OK] key to open and adjust the timer menu.

7.5 Parental Lock
Press [OK] key on “Parental Lock” item, a dialogue will be pop up to ask for the password (“0000” for default.) Once the user make the password correct, a screen will be shown as BELOW.

1 Menu Lock: determining the users’ intention to block the following menus with password: “Edit Channel/Installation/REC/Tools/System Setup”.

2 Channel Lock: determining the users’ intention to play or lock channels with password. If the setting is “AGE 10”, “AGE 12”, “AGE 16”, or “AGE 18”, then the password will be asked to play the channels with lock mark.

3 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 be highlighted automatically. Please you to input the new password again. If the password is
7.6 **OSD Setting**

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

1. **OSD Timeout**: Set the duration of showing up for the program banner which contains some information about the channel and shows up once the channel is changed.
2. **OSD Transparency**: Set the transparency of OSD. Press [Left/Right] key to select the values. There are 5 levels of transparency, 10%, 20%, 30%, 40%, and “Off” (Opaque of the OSD).
3. **Load Default OSD Setting**: Press OK to restore default OSD setting.
4. Press [Exit] key to draw back from the “OSD Setting” menu.

7.7 **Favorite**

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

Press [OK] key to rename the favorite group. A dialog shows as below:
1 Press [Yellow] key to switch whether capital or not.
2 Press [Red] key to delete the char on the cursor.
3 Press [Blue] key to save the modification.

### 7.8 Auto Standby
The this unit will be automatically switched into standby mode after three hours in active mode following the last user interaction and/or a channel change, an alert message will show 2 minutes before going into standby mode.

### 8. Tools
Press [OK] or [Right] key to enter the “Tools”. If Menu Lock is “On”, it will display a dialogue for user to key in password. The default Password is “0000”.

In “Tools” menu:
1 Press [Up/Down] key to select menu pages among Information, Load factory setting, S/W Upgrade by OTA Upgrade by USB, USB device, Remove USB device safely.

#### 8.1 Information
When entering the “Information” menu, a screen will be shown as below. It shows the version and date for the items such as “Hardware, Software, Date” information.

![Information Menu](image)

#### 8.2 Load Factory Setting
press [OK] to load defaults settings, warning inquiry will be popup as below. Once the “Yes” option is chosen, the all revised parameters of the receiver will be reset to the default value. Please use this function carefully.
Basic Operations

8.3 Upgrade by USB

This function is only valid when the USB device has been plugged-in and attached at the receiver box. Open Upgrade by USB menu according to Menu -> Tools-> Upgrade By USB.

1. All Code: the user can only upgrade whole file to the STB flash ROM. Please rename the new file name to be the format as “all*.bin”, Then Press OK key to start upgrade by USB.

2. Main Code: the user can only upgrade part of the main code. Please confirm the upgrading file format is “mcd*.bin”

3. Radio Back: the user can upgrade the background logo. Please confirm the associated file name of the upgrading file to be as “*.m2v”

8.4 USB Device

The way to open USB menu is to go step by step according to Menu->Tools->USB Device. USB menu will be disabled when the USB device is unplugged. Media Player List will not be saved after unplugging USB and/or going to standby and power off. Media player menu will be shown as below:

1. All Code: the user can only upgrade whole file to the STB flash ROM. Please rename the new file name to be the format as “all*.bin”, Then Press OK key to start upgrade by USB.
key operations:
FAV key: Put the selected file to play list.
0 Key: All the MP3 files in current directory will be added into MP3 play list.
1 Key: All the Image files in current directory will be added into Image play list.
2 Key: There are five kinds of sorting approaches. By Press [Channel Up/Channel Down] key to move highlight and press [OK] key to confirm your selection. The five kinds of sorting approaches are:
Name (A-Z): Sorting in Alphabetical ascending Order.
Name (Z-A): Sorting in Alphabetical descending Order.
Image Ist: Sorting in Image is priority.
Music Ist: Sorting in Music is priority.
Default: Return to original setting order.
Yellow Key: The “Please select play list type” operation window will be shown by pressing Yellow key. After that, the user can play the image or music by choosing the files. If here is no file in the directory, an operation window “This type of play list doesnot exist” will be shown.
INFO: Set up slide show of images.
Blue Key: To rotate among the 3 repeat modes provided as below:
Repeat Folder
The entire Random Folder
Repeat Single

Music/Image play operation
Press Yellow key to enter into playlist and select music/group image

Red Key: Play the file list from the 1st music file.
Yellow Key: Delete the file highlighted by Yellow key.
Blue Key: Delete all files by blue Key, with a remind “Are you sure to save?”
8.5 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.

9. Game
There are two games for selection: Othello/Sudoku.

10. REC
When you enter to “REC” menu, you will see the screen like below:

1 Press [Up/Down] key to select menu pages among record manager Record manager, DVR HDD Information, HDD FORMAT, DVR configuration.

2 Press [OK] or [Right] key to enter the “REC”. If Menu Lock is “On”, it will display a dialogue for user to key in password. The default Password is “0000”.

3 Press [Up/Down] key and [OK] key to select menu items.

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

10.1 Record manager
When entering the "Record Manager" menu, a screen will be shown as below.

10.1.1 Lock
1 Press [Green] key to lock a program on HDD.

2 If you want to cancel the lock mark for a program, press [Green] key again. It will ask you to input password. Once you input the correct password, it will cancel the lock feature for the program.
**Basic Operations**

### 10.1.2 Delete

1. Press [Blue] key to make a delete mark on the highlight program.
2. If you want to cancel the delete operation, press [Blue] key again to cancel the delete mark.
3. When exit the “Record Manager” menu, all the delete mark channel will be deleted directly.

### 10.1.3 Rename

1. Press [Red] key to rename the highlight program. It will show the “Rename” window.
2. You can press [Yellow] key to switch capital and lowercase.
3. Press [Red] key to delete the char on the cursor.
4. Press [[Blue] key to save the modification.

### 10.2 Disk Information

1. Move the highlight to “DVR HDD Information” and press [OK] key. It will display “DVR HDD information” as below:

![DVR HDD Information](image)

### 10.3 HDD Format

1. Move the highlight to "HDD Format" and press [OK] key. It will display "HDD Format" as below.
2. In "Storage Partition" item, press [Left/Right] key to select the usb partiton you want to format.
3. Move the highlight to "Format" button and press [OK] key. There are three choices listed as "FAT","NTFS" and "cancel". If you select "FAT" or "NTFS", it will format the HDD by the corresponding format. Otherwise, you can select "Cancel" to cancel the format procedure.
10.4 DVR Configuration

Set up digital video recording
1. Turn ON/OFF timeshift
2. 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.
3. Set record type: TS/PS
4. Record Selection: If the HDD has several partition, you can select any partition for recording
5. Standby after record: If select ON, the system will enter standby when end recording

10.4.1 Timeshift

1. Press [PAUSE] key to see time shift OSD as below:
2. You can press [Left/Right] to move the slide to left or right. Press [OK] key to play the point where the slide is.
3. 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. Then you can do pause, fast forward, fast back.

10.4.2 Record

1. Press record key to start recording
2. Press record key again to set and adjust recording duration time
3. Press [Stop] key first time to end the playing mode. Press [Stop] key second time to stop the recording
4. Press blue key to show the recorded files fastly, press OK to play the selected file.
Basic Operations

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

11. Hotkey
11.1 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.

11.2 Channel Up/Channel Down
In full screen, press [CH+/CH-] to change channel.

11.3 Volume Up/Volume Down
In full screen, press [VOL+/VOL-] to adjust volume.

11.4 Number 0~9
In full screen, use number key and press [OK] on the Remote Control Unit to change channel.

11.5 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.

11.6 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 [Channel Up / Channel Down] key and modify the audio mode by press [Volume Up / Volume Down] key.
3. Mode: Left/Right/Stereo/Mono

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

2 Press [MUTE] key again to restore sound.

**11.8 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.

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

3 In the window of “FAV group X”, you can move highlight by press [Channel Up/Channel Down] key and press [OK] key to select favorite channels.

Pressing [Page Up/Page Down] keys can implement the “Page up/Page down” function.

4 You also can press [Volume Up/Volume Down] keys to select different “Favorite Group”.

5 Press [Exit] key to exit the current window.

**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

**11.9 Recall**

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

**11.10 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

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.

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

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

### 11.12 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.

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

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

### 11.15 Information
1 In full screen, press [INFO] key can open information screen, it will shows program banner.
2 In the program banner, press [INFO] key again, the window shows the parameters of current channel.

### 11.16 Channel List
1 In full screen, press [OK] key can enter “Channel List”.
2 Press [Left/Right] key to change favorite.
3 Press [Up/Down] key to move highlight and press [OK] key to play the highlighted channel.
4 Press [Page Up/Down] key to page up and page down.
5 Press [Exit] key to exit the channel list.
**11.17 Page Up/Page Down**
1 In Channel list, press [Page+/Page-] key can page up and page down the channel list.

**11.18 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.

**11.19 PLAY**
Press [PLAY] key can change to normal playback mode while other trick mode is enabled such as PAUSE, Forward or Reverse.

**11.20 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.
3 In playing mode, press [Pause] key, the picture will be paused, but the sound of the channel will still continues.
4 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.

**11.21 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.

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

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

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

| TUNER & CHANNEL          | RF INPUT CONNECTOR x1  
|                         | (D-TYPE, IEC169-2, FEMALE) |
|                         | RF OUTPUT CONNECTOR x1  
|                         | (D-TYPE, IEC169-2, MALE (LOOPTHROUGH)) |
|                         | FREQUENCY RANGE:  
|                         | 174MHz ~230MHz (VHF) & 470MHz ~862MHz (UHF) |
|                         | SIGNAL LEVEL:  
|                         | -10 ~ -70 dbm |

| DECODER                  | MPEG-2 ISO/IEC 13818-1 |
|                         | MPEG-1 MPEG-2 MP@HL  |
|                         | MPEG-4 AVC/H.264 HP@L3 |
|                         | Max. 80Mbit/s @ MPEG2 |
|                         | Max. 60Mbit/s @ H.264/AVC |
|                         | 4:3/16:9 SWITCH ABLE |
|                         | MPEG Layer I & II 32 / 44.1 / 48KHz |
|                         | CVBS, HDMI, Coaxial |
|                         | MP3/JPEG/BMP |
|                         | MP4, DIVX4/5/6, AVI, TS, MPG, MKV: |
|                         | Maximal video resolution: 1920x1080x30 (defined video codec) |
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>CONNECTION</th>
<th>Antenna Input x1, RF Output x1</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUNER</td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>USB 2.0 Full Speed x1</td>
</tr>
<tr>
<td>USD HDD support</td>
<td>Maximum support 2TB HDD (not exceeding 300mA of current)</td>
</tr>
<tr>
<td>SPDIF</td>
<td>COAXIAL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POWER SUPPLY</th>
<th>12VDC, 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER SUPPLY</td>
<td></td>
</tr>
<tr>
<td>POWER CONSUMPTION</td>
<td>MAX. 8 W (USB Max Load: DC 5V, 300mA)</td>
</tr>
</tbody>
</table>