Important safety instructions
Before connecting, operating or adjusting this product, please read this user’s manual carefully and completely – contains important information for safe and optimal use of all features and functions. Store the user’s manual in case you need it again.

Safety Precautions

WARNING
DO NOT TAKE THE DEVICE OUT OF THE CASE – RISK OF ELECTRIC SHOCK.

The device is a precision product taking advantage of the advances of modern electronics, mechanics and optics and requires corresponding handling. When handling the device adhere to the generally valid usage instructions for audiovisual technology products and devices including the following:

- To prevent risk of injury through electric shock or the creation of a fire, do not take the device out of the case - there are no parts inside the case repairable or adjustable by the user without relevant equipment and qualifications. Should the device require adjustment or repair, contact a professional service centre.
- Protect the device and the remote control against rain, spray or contact with any other liquid, do not leave or install the device outdoors. Not adhering to this instruction creates a risk of electrical shock or fire hazard.
- Leave free space on all sides of the device, which is necessary for proper air circulation around the device - in this way hot air created during its operation is removed. Covering the ventilation opening of the devices case creates a risk of overheating or damaging the device.
- Before allowing children to use the device, they must be appropriately to their age, informed about the correct and safe use of the player.
- In the case of any unusual events occurring during the use of the device such as for example a sudden interruption of the video and/or sound, or the screen or control buttons turn off, or there is a distinct smell of burning insulation or smoke comes out of the device, immediately turn off the device, disconnect the device from the power source and do not use the device until you have receive the results of the inspection from the employees of the professional service centre.
- Neither the manufacturer nor the seller of the device under no condition takes responsibility for any direct or indirect damages caused by not adhering to instructions for installation, setup, use, service or cleaning of this device as described in this user’s manual.
- Protect the device and the remote control against being knocked, dropped, hit, and shaken and against vibrations, humidity and dust.
- Do not install the device and the remote control in direct sunlight or in the vicinity of a heat source - high temperatures substantially reduce the lifetime of the device’s electronic components. Do not use or leave the device in the vicinity of an open fire.
- When the device is moved from a cold to a warm environment or vice versa, e.g. when using the device in a very humid environment, air humidity may condense on some parts inside the case of the device, namely on the sensing system and the player may
temporarily stop functioning. When possible condensation of air humidity in the device occurs, the device on undisturbed for 1 - 2 hours - the humidity will evaporate and the device can again be used as usual. Take care especially during the first use of the player immediately after its purchase during a cold season.

**IMPORTANT SAFETY INSTRUCTIONS:**

- THE POWER PLUG IS USED AS A DISCONNECTING DEVICE, WHICH MUST FOR THIS REASON REMAIN EASILY ACCESSIBLE.
- DO NOT EXPOSE THE DEVICE TO THE EFFECTS OF DRIPPING OR SPRAYING WATER AND DO NOT PLACE THE DEVICE ON OBJECTS FILLED WITH A LIQUID (E.G. VASES).
- THE DEVICE'S CONNECTOR IS USED AS A DISCONNECTING DEVICE, WHICH MUST FOR THIS REASON REMAIN EASILY ACCESSIBLE.
- REMEMBER TO ALWAYS DISCONNECT THE POWER PLUG FROM THE POWER SOCKET BEFORE DISCONNECTING THE POWER CABLE FROM THE BACK SIDE OF THE DEVICE.
- AN OPEN FLAME MUST NOT BE PLACED ON THE DEVICE, E.G. A BURNING CANDLE.
- PAY SPECIAL ATTENTION TO THE BATTERIES USED AS REGARDS TO THE ENVIRONMENT.
- THE VENTILATION MUST NOT BE IMPEDED BY COVERING THE VENTILATION OPENINGS WITH OBJECTS SUCH AS NEWSPAPERS, TABLECLOTHS, CURTAINS, ETC.D.
1 Front Panel, Rear Panel and Connection

1.1 Front Panel

1. Power button (on / off the device)
2. CH- button (searching program downwards)
3. CH+ button (searching program upwards)
4. USB – to connect USB device (when folded)

1.2 Rear Panel

1. ANT IN: to connect an aerial
2. TO TV: to connect to TV set using a coaxial cable
3. LOOP OUT: to connect to the LOOP IN
4. LOOP IN: modulator loop through input.
5. TV SCART: to connect to TV set using a SCART cable
6. DVD / VCR SCART: to connect to a Video or DVD recorder using a SCART cable
7. Audio L/R and Video: to connect your receiver to your TV set using an A/V cinch cable
8. S/PDIF Coaxial: to connect your receiver to a digital audio amplifier
9. Power Cord
1.3 Connection schema
2 Remote control

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>**</td>
<td>Switch between operation and standby mode.</td>
</tr>
<tr>
<td></td>
<td>Press to temporarily cut off the sound. Press again to restore the volume.</td>
</tr>
<tr>
<td>0–9</td>
<td>Enter numbers or select a channel number to watch.</td>
</tr>
<tr>
<td>TV/R</td>
<td>Switch between TV and Radio mode.</td>
</tr>
<tr>
<td>AV</td>
<td>Switch AV mode on or off. It allows you to view an analogue channel on your TV whilst recording a digital channel using your receiver.</td>
</tr>
<tr>
<td>MENU</td>
<td>Display the main menu.</td>
</tr>
<tr>
<td>EXIT</td>
<td>Return to the previous menu or escape from the item.</td>
</tr>
<tr>
<td>OK</td>
<td>Confirm.</td>
</tr>
<tr>
<td>▲ ◀ ▶ ▼</td>
<td>Move cursor up/down/left/right, page up/down, Volume +/-</td>
</tr>
<tr>
<td>FAV</td>
<td>Press to display the TV favourite list.</td>
</tr>
<tr>
<td>EPG</td>
<td>Show the EPG (Electronic Program Guide) only when menu is off.</td>
</tr>
<tr>
<td>V+/V-</td>
<td>Volume +/-</td>
</tr>
<tr>
<td>AUDIO</td>
<td>Display the audio select window.</td>
</tr>
<tr>
<td>INFO</td>
<td>Show information of the current channel.</td>
</tr>
<tr>
<td>ZOOM</td>
<td>Magnify the picture.</td>
</tr>
<tr>
<td>P+/P-</td>
<td>Page up or down in the menu list.</td>
</tr>
<tr>
<td>RCL</td>
<td>Switch to last viewed channel.</td>
</tr>
<tr>
<td>PAUSE</td>
<td>Freeze/Resume the picture.</td>
</tr>
<tr>
<td>SUB</td>
<td>Show the list of subtitled languages which the current channel supports.</td>
</tr>
<tr>
<td>TEXT</td>
<td>Show the current service Teletext on OSD.</td>
</tr>
<tr>
<td>◀◀</td>
<td>Slow playing</td>
</tr>
<tr>
<td>◀▶</td>
<td>Fast playing</td>
</tr>
<tr>
<td>◀</td>
<td>Play previous item</td>
</tr>
<tr>
<td>◀▶</td>
<td>Play next item</td>
</tr>
<tr>
<td>◀</td>
<td>Start playing/Release pause</td>
</tr>
<tr>
<td>/USB</td>
<td>Activate USB menu</td>
</tr>
<tr>
<td></td>
<td>Pause</td>
</tr>
<tr>
<td>•</td>
<td>Record a current program</td>
</tr>
</tbody>
</table>
Note: Intensive sunshine may affect distance and reliability of remote control operation. Please do not expose the remote control sensor to intensive sunshine or other direct light.

To control the device using the remote control, point the remote control at the device and then press the button with the required function. The maximum range of the remote control is about 5 meters with a deviation of up to +/- 30° from the perpendicular direction to the reception sensor of the remote control on the front side of the device. The failing capacity of the batteries gradually reduces the remote control range.

- There must be no solid obstacles in the area between the remote control and the device when the remote control is being used.
- During standard use the lifetime of batteries in the remote control is about 1 year. When the effective range of the remote control is substantially reduced, or when there are problems with its use, change both the batteries in the remote control.
- If you will not be using the remote control for a longer period of time, take out both batteries from it - in this way you will prevent potential damage caused by their leakage.

The batteries must not be exposed to excessive heat, such as sun radiation, fire, etc. The incorrect use of batteries may cause the leakage of the electrolyte and corrosion. To ensure that the remote control works correctly, proceed according to the instructions below:

- Do not insert the batteries in the wrong direction.
- Do not recharge, heat, open or short the batteries.
- Do not throw batteries into a fire.
- Do not leave discharged batteries in the remote control.
- Do not combine various types of batteries or new and old batteries.
- If you are not using the remote control for a longer period of time, remove the batteries to prevent potential damage caused by a subsequent battery leakage.
- If the remote control is not working correctly or its operational range is reduced, change all batteries for new ones.
- If electrolyte leaks out from the batteries, have the remote control cleaned by an authorised service centre.
3 Welcome page

When powered on for the first time, the following picture will display on the screen:

2. Press [Left/Right] buttons to select a region and an OSD language.
3. Move the highlight to [OK] button and press [ENTER] button to begin an auto scan.

4. Press [Exit] button to exit the menu.

4 Main Men

When you press [Menu] button, you can enter the main menu. There will be displayed the picture the following picture will display on the screen:

2. Press [OK] button to enter the selected item
5 Channel

1. Press [Up/Down] buttons to select items between TV Channel List and Radio Channel List.
2. Press [OK] button to enter the selected item.

5.1 TV Channel List

When you enter the “Channel List” menu, the following picture will display on the screen:
1. You can move the highlight by pressing [Up/Down] button to preview the current highlighted program in the right side preview window.
3. You can press [OK] button to enter the full screen playing mode.
4. You can press [Menu] or [Exit] buttons to go back to the menu.
5. Press the number keys [1] - [4] to implement the corresponding function from the "Channel List".

5.1.1 Edit

When you press number [1] Edit, you can edit the channel list. The following picture will display on the screen:

1. If "Menu Lock" is on, you must input password to enter the "Edit" menu.
3. Press [Left] or [Right] buttons to change the group.

Select

Press [OK] button to select the highlighted channel. Press [OK] again to cancel the selection.
Select All
Press number button [0] to select all channels. Press number [0] again to cancel all selection.

Favor

1. Press number button [1] to set the favourite channel. It will display the "Group" box for you to select a group (group 1 – 8).
2. Press [Up] or [Down] buttons to move the highlight, and press [OK] button to select the favourite group. It will ask you "Assign channel to Group N. Are you sure?" Select "Yes" to confirm or select "No" to cancel the operation.
3. If you want to cancel the favourite channel, press [Left] or [Right] buttons to switch to the favourite group and press number button [4] to delete the channel from the favourite group.
Lock

1. Pressing number button [2], it will ask you “Switch lock channel. Are you sure?”. Select “Yes” to confirm or select “No” to cancel the operation.
2. When the channel gets highlighted, it is locked. Press number button [2] again to unlock the channel.
3. If the “Channel Lock” is on in the Parental lock menu (see setting further in the manual), you cannot see the locked channel. If you want to watch the locked channel, you have to input the password or to disable the channel lock in the main menu/Parental Lock/Channel Lock to unlock all locked channels.

Skip

1. Pressing number button [3], it will ask you “Switch skip channel. Are you sure?”. Select “Yes” to make a skip mark or select “No” to cancel the operation.
2. The skip channel gets highlighted. Press number button [3] again to cancel the skip mark.
Delete

Pressing number button [4], it will ask you “Delete Channel. Are you sure?”. Select “Yes” to delete the highlighted channel or select “No” to cancel the operation.

Rename

1. Pressing number button [5], it will show a “Rename” window and you can rename the highlighted channel.
2. Press [Up] [Down] [Left] [Right] buttons to move the highlight on the alphanumeric key-board. Press [OK] button to input a character.
3. Move the highlight to “OK” and press [OK] button to save the modification.
4. Move the highlight to “ESC” and press [OK] button to cancel the operation.
5.1.2 Find

1. Pressing number button [2], it will show a “Find” window and you can find the channel you want.
2. Press [Up] [Down] [Left] [Right] buttons to move the highlight on the key-board of the “Find” window. Press [OK] button to input a character.
3. Move the highlight to “OK” and press [OK] button to save the modification.
4. Press [Exit] button to cancel the operation

5.1.3 Sort

1. Press number [3] button to sort the channels.
2. It will display a dialogue window to confirm. If you select “Yes”, it will display a “Sort” box.
3. Press [Up] or [Right] buttons to move the highlight and press [OK] button to select the sort type such as Default/ Name(A-Z)/ Name(Z-A)/ FTA/ Lock
5.1.4 Move

1. Press number button [4], there will be shown a "moving mark" in the right side of the selected channel.
2. You can move the selected channel to the position where you want to place, by pressing [Up/Down] buttons. Press [OK] button to confirm.

5.2 Radio Channel List

Basically, the operation of the "Radio Channel List" is the same as the "TV Channel List", but there is one point different: In the "Radio Channel List" mode, there is no video information, so it will always display Radio logo in the right side preview window.

5.3 Delete Favorites and Groups

This operation will delete all favourites and groups (including TV and radio favourite channels) from the favourite list. When you press [OK] button on the "Delete All Favorites" icon, it will ask you "Warning! Do you really want to delete all favourite channels?". Select "Yes" to confirm or select "No" to cancel the operation.

5.4 Delete All

1. Pressing [OK] button on the "Delete All" icon, it will display the "Input Password" dialogue window. The default password is "0000".
2. Then it will display a dialogue window for you to confirm. Select "Yes" to delete all channels (including TV and radio channels).

? Frequently Asked Question
Q: If I incautiously delete all channels, what should I do?
A: there are two ways to restore
• To auto scan all channels in the "Installation" chapter.
• To scan channels in the "Installation" chapter.

5.5 Group Rename

Press [OK] button to enter the selected item. When you enter the "Group Rename" menu, you can move the highlight by pressing [Up/Down] buttons to "Select".
You can press [OK] button to enter the "Rename" menu.
You can press [Menu] or [Exit] buttons to go back to the menu.
6 Installation

When you enter the “Installation” menu, the following picture will display on the screen:

When you enter the “Installation” menu, the following picture will display on the screen:

2. Press [OK] button to enter the selected item.

6.1 Auto Scan

When you enter the “Auto Scan” menu, the following picture will display on the screen. (If the channel lock is “On”, input password first. The default password is “0000”.)

1. Firstly please select the country in the System Setup Menu / Region and Time / Region, such as “France”.
2. In the “Scan Mode” item, press [Left/Right] buttons to select “All” to scan all channels or “Free” to scan only free channels.
4. In the “Auto Scan” menu, press [Exit] button to draw back from the scanning.

6.2 Channel Scan

When you enter the “Channel Scan” menu, the following picture will display on the screen:
1. There are two modes. You can scan channel either by channel or by frequency.
2. When scan band is UHF and region is “France”, the range of Ch No. is from 21 to 69.
   When scan band is VHF and region is “France”, the range of Ch No. is from 1 to 9
   (according to region).
3. When you complete your modification, move the highlight to the “Search” item and
   press [OK] button, then it will begin to scan.
4. Network Search: Select “ON” for network search boarder than the channel scan.
   Otherwise, please select “OFF”.
5. Press [Exit] key to exit the scanning.

6.3 Antenna Setting
When you enter the “Antenna Setting” menu, the following picture will display on the
screen:
Antenna Power: On / Off.

6.4 Logical Channel Numbering
When you enter the “Logical Channel Numbering” menu, the following picture will display
on the screen:
LCN Mode: On / Off.
7 System Setup

When you enter the “System Setup” menu, the following picture will display on the screen:

7.1 OSD Language

When you enter the “Language” menu, the following picture will display on the screen:

1. OSD Language: Press [Left] or [Right] buttons to change the OSD language.
2. Press [Exit] key to draw back from the “OSD Language” menu.
7.2 TV system

When you enter the “TV System” menu, the following picture will display on the screen:

1. Display Mode is used for switching the screen-display mode: Auto / PAL / NTSC. You can press [Left/Right] buttons to select the desired mode circularly.
2. Aspect Mode is used for switching the screen aspect ratio mode: 4:3 LB / 4:3 PS / 16:9 / AUTO. You can press [Left/Right] buttons to select the desired mode circularly.
3. Video Output is used for switching the video output mode: CVBS RGB. You can press [Left/Right] buttons to select the desired mode circularly.
4. RF System is used for switching the RF System mode. The options are the following: NTSC, PAL-BG, PAL-I, PAL-DK. You can press [Left/Right] buttons to select the desired mode circularly.
5. RF Channel is used for switching the RF Channel mode. You can press [Left/Right] buttons to select the desired mode circularly.
6. Loop Through is used for switching the Loop Through mode. The options are the following: Always Running Mode. You can press [Left/Right] buttons to select the desired mode circularly.
7. Press [Exit] key to draw back from the “TV System” menu.

7.3 Region and Time

When you enter to “Region & Time” menu, the following picture will display on the screen:
• Region is used for selecting the country which you are in. You can press [Left/Right] buttons to select the desired mode circularly.
• GMT Usage: This item is used for operating the GMT. You can press [Left/Right] buttons to switch “Off / User Define / By Region”.
• The “GMT Offset” item is valid only when the setting of “GMT Usage” is “User Define”. You can press [Left/Right] buttons to set the “GMT Offset” value. The range is “-12:00 ~ +12:00” and it increases each half an hour progressively.
• “Date” and “Time” items are valid only when the setting of “GMT Usage” is “Off”. You can press [Left/Right] buttons to move the highlight and use number buttons to input the number directly.
• “Summer Time” items are valid only when the setting of “GMT Usage” is “By Region”. You can press [Left/Right] buttons to switch between.
• Time display function can check whether the time will be displayed on screen or not.
• Press [Exit] button to draw back from the “Time” menu.

7.4 Timer Setting
When you enter the “Timer Setting” menu, the following picture will display on the screen:

![Timer Setting Screen](image)

7.4.1 Program Timer
When you enter the “Program Timer”, the following picture will display on the screen:

![Program Timer Screen](image)

1. Current time information will display on the first row; if the current time is incorrect, please modify the time information in the “Time” item.
2. Timer Mode: There are several modes of Timer to set, including Off, Once, Daily, Weekly, Monthly.

3. Wakeup Channel: Press [OK] button to enter the channel list and select a channel that you want to set.

4. Month / Date: Press [Left/Right] buttons to select your wakeup date.

5. Day: if the “Timer Mode” is “Weekly”, this item is valid. You can select day such as Monday, Tuesday, ..., Sunday.

6. Time: Press [OK] button and number buttons to input your wakeup time. Once the time is set, no matter whether the system is in standby mode or in playing mode, the system will automatically switch to the channel you set and start to play.

7. Auto Record: Press [Left/Right] buttons to select “ON/OFF”. If Auto Record is “ON”, scheduled program recording will be enabled. The device will change the program and start to record the program according the time and duration and the program which user set.

8. Record Duration: It is for setting the recording duration of the auto record mode. But it is available only when the auto record is “ON”. The maximum time is 99.59 hours.

9. Pressing [Exit] button, it will ask you “Are you sure to save?”. Select “Yes” to save the timer or select “No” to cancel the operation.

7.4.2 Sleep Timer
When you enter the “Sleep Timer”, the following picture will display on the screen

- Sleep Timer can set the system to enter the standby mode automatically after the set time.
- Press [Left/Right] buttons to switch the Sleep Time parameter. The options are the following: Off / 10 min / 30 min / 60 min / 90 min / 120 min. Then press [OK] button to start sleep time countdown.
- After you press [OK] button, the “Remains” will begin to show the timer remaining time. This item is only used to display and it cannot be modified.
- Press [Exit] button to exit the current menu.

7.4.3 Automatic Standby
It switches the device off to the standby mode after a certain time of inactivity (no command from the remote control) – on and off. Several tens of seconds before the specified time and turning off the device, a message box appears on the connected TV with the option to cancel by pressing the Exit button.
7.5 OSD Setting
When you enter the "OSD Setting" menu, the following picture will display on the screen:

1. Subtitle Display: You can press [Left/Right] buttons to select "On" or "Off". If the current channel contains subtitle information, it will be showed up while this function is "On". If this function is "Off", there will not be showed up subtitle information even if the current channel contains subtitle information.
2. OSD Transparency: You can set the transparency of OSD. You can press [Left/Right] buttons to select the value. There are 5 levels of transparency: 10%, 20%, 30%, 40%, 50%, and "Off" (means no transparency function).
3. Load Default OSD Setting: Press [OK] button to load the default OSD setting.
4. Press [Exit] key to draw back from the "OSD Lock" menu

7.6 Parental Lock
The password can be set by anyone who wishes to operate the "Installation" menu. And you can also set the password to lock the channels. (How to set the lock channel please refer to "Lock".) There will show you how to set and how to revise the password.
1. In the “Parental Lock” function, press [OK] button. There will pop a dialogue window for you to input the password. The default password is “0000”. When you input the correct password, the following picture will display on the screen:

![Parental Lock Screen]

2. Menu Lock allows to entre the “Installation” menu and the Channel List / Edit / Delete All / Auto Scan / Channel Scan / Default Factory Setting / Software Upgrade only after input of valid password. If the setting of the “Menu Lock” is “ON” which means user has to input the password, the setting “Off” means unlock.

3. Channel Lock allows user to lock the channels. The following options are available: OFF / Manual / Age 4 – Age 18. “OFF” means turning off the channel lock function. Manual means a user can manually lock the channels he wants to lock. If this option is selected, you have to enter the channel list and mark the channels as locked (please refer to 3.1 TV Channel list / Edit). Age 4 to Age 18 means to lock all channels, setting the channel age limit levels. For example, Age 13 is selected, and then the age limit level greater than 12 will be locked. You have to input the password to unlock.

4. New Password is used for revising the password. Firstly, press [OK] button and then input the new password, using the number buttons directly. After you filled in 4 digital numbers, the highlight will auto skip to Confirm Password and ask you to input the new password again. If the password is correct, the screen will show up a message of “Change password successfully”. After finish saving and drawing back to the “System Setup” menu, the revising has been completed.

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

In the "Tools" menu, the following picture will be displayed on the screen:
2. Press [OK] button to enter the selected item.

8.1 Information
1. When you enter the "Information" menu, you will see some receiver Information.
2. Press [Exit] button to draw back from the "Tools" menu.

8.2 Game
When you enter the "Game" menu, you will see three Games, including Tetris, Snake and Othello.

8.2.1 Tetris
- Move the highlight to "Setup" and press [Left/Right] buttons to select the game level (speed).
- Move the highlight to "Start" and press [OK] button to start the game.
- Move the highlight to [Cancel] button and press [OK] button to draw back from the game.
- Start on the game:
  [Left/Right] — Move the shape left or right.
  "Channel Up" — Rotate clockwise.
  "Channel Down" — Faster drop.
  [OK] — Pause/Play the game
  [Exit] — Quit game and draw back to the "Game" menu.

8.2.2 Snake
- Move the highlight to "Setup" and press [Left/Right] buttons to select the game level (speed).
- Move the highlight to "Start" and press [OK] button to start the game.
- Move the highlight to [Cancel] button and press [OK] button to draw back from the game.
- Start on the game:
  [Volume Up / Volume Down / Channel UP / Channel Down] — use these arrow keys
to guide the snake.
[OK] — Pause/Play game
[Exit] — Quit the game and draw back to the “Game” menu

8.2.3 Othello
- Move the highlight to “Setup” and press [Left/Right] buttons to select the game level (degree of difficulty).
- Move the highlight to “Start” and press [OK] button to start the game.
- Move the highlight to [Cancel] button and press [OK] button to draw back from the game.
- Start on the game:
  [Volume Up / Volume Down / Channel UP / Channel Down] — use these arrow keys to guide chessman.
  [OK] — set chessman.
  [Exit] — Quit the game and draw back to the “Game” menu

8.3 Load Factory Default

![Image of Load Factory Default]

1. When you press [OK] button in the “Load Factory Default” item, there will pop a dialogue window for you to enter the password. The default password is “0000”.
2. After you input the correct password, there will show a warning message to inquiry you “The operation will load default and erase all the channels that user added, continue?”.
3. If you select “Yes”, all the revised parameters of the receiver will reset to the default value. Please use this function carefully.
In step 1 and step 2, press [Exit] button to draw back from this item without saving.

8.4 Software Upgrade

Note:
Software upgrading is definite intervention to receiver. Following the right process and using the right software it can be without problems. Following the wrong process and using the wrong software and resulting damage of receiver is not covered by warranty.
Use only in case you understand this function well.
When you enter the “Software Upgrade” menu, the following picture will display on the screen:
8.4.1 Upgrade by Air
This function can upgrade the software through the data from the OTA service. In case the broadcaster of the signal provides such service to your receiver. OTA is a service of software upgrade of a device in rare cases.
1. Input the frequency value of the bandwidth and downloaded PID data of your receiver.
2. Then move the highlight to the start button and press [Enter] button to begin the upgrade.

8.4.2 Upgrade by Storage
This function can upgrade the software from the inserted storage device. After inserting the storage device containing the software, the following picture will display on the screen:

2. Press [OK] buttons to start the upgrading. Once finished, the system will show “welcome page”. Please see chapter 3 "Welcome page".

9 Hotkey
9.1 Standby
1. Press [Power] button to enter the Standby mode.
2. In Standby mode, press [Power] button again to call back the unit and go on playing the previous channel.
3. User can also disconnect the device main power to end the Standby mode.
9.2 CH+/CH-
In full screen, press [Up/Down] buttons to change the channel.

9.3 V-/V+
In full screen, press [Left/Right] buttons to adjust volume.

9.4 Numberic buttons
In full screen, use number buttons to input the channel number and after 2 seconds it will go to the channel or press [OK] button to change the channel directly.

9.5 TV/Radio
In TV mode, press [TV/RADIO] button to switch to the Radio mode. In Radio mode, press [TV/RADIO] button to switch to the TV mode.

9.6 Channel list
1. In full screen, press [OK] button to enter the “Channel List”, please refer to the TV Channel List for detailed information.
2. In the “Channel List” menu, press [OK] button to play the highlighted channel.

9.7 Audio
1. In full screen, press [Audio] button to open the “Audio Mode” window.

![Audio Setting](image)

2. You can move the highlight by pressing [Up/Down] buttons to switch the selection by pressing [Left/Right] buttons.
3. Press [Exit] button to exit

9.8 EPG
1. The STB has an Electronic Program Guide (EPG) to help you to 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] button to display the EPG screen.
3. In the schedule list, press [Left/Right] buttons to switch the time by day.
4. If user booked some program, press number [1] button on the EPG screen to open the booking list.
5. Press number [2] button to jump over each window on the EPG screen. And press [Exit/Menu] button to exit the booking list.

9.9 FAV
2. Then press [Left/Right] buttons to change the channel between the favourite groups.

9.10 Exit
Press [Exit] button to exit current menu.

9.11 Menu
Press [Menu] button to enter the menu or exit the current menu.

9.12 Mute
1. Press [Mute] button to mute the sound and the screen will show up.
2. Press [Mute] button again to restore sound.

9.13 Pause
1. In playing mode, press [PAUSE] button, the picture will be paused, but the sound of the channel will still continue.
2. Press [PAUSE] button again, the screen picture will skip over to the current playing picture, and the sound of the channel will correspond to playing.

9.14 RECAL
Press [RECALL] button to switch directly to the previous channel that you played before current channel.
9.15 Information

In full screen, press [Info] button to open the information bar. When the information displays, press [Info] button again to show the parameters of the current channel. The following picture will display on the screen:

![Information Bar](image)

9.16 Subtitle

1. Press [Subtitle] button in full screen, it will show a “Subtitle Display” window.

   ![Subtitle Display](image)

3. Subtitle Language: If the channel contains subtitle, you can select the subtitle language.
9.17 Teletext
1. Press [TEXT] button to show the teletext information if the channel contains some.
2. If the channel does not contain teletext, it will display "No Teletext Data"

9.18 Sleep
1. You can set sleep time by pressing [Sleep] button in full screen.
2. The sleep mode includes: Off / 10 min / 30 min / 60 min / 90 min / 120 min.

10 Media+

When you enter the "Media+" menu, the following picture will display on the screen:

In "Media" menu:
1. Press [Up/Down] buttons to select the menu item.
2. Press [OK] button to enter the selected item

10.1 Media player
Press [OK] key to enter and the following picture will display on the screen:

1. Press [Up/Down] buttons to move the highlight in the file list.
2. Press [Left/Right] buttons to move the highlight to switch between the file list and bottom button.
3. Press [OK] buttons to play the current file. When the highlight is on sub folder, press [OK] button to enter this folder.
5. Press [Audio] button to show a volume box, you can press [Up/Down] buttons to adjust volume. Press [Left/Right] button to move the balance closer to the left or close to the right.
7. Press [Exit] button to go back to the “Media+” menu.

10.1.1 Music
Press [OK] button to play the current music, the following picture will display on the screen:

1. Press [red] button once to go to the last music file.
2. Press and hold [red] button for 3 seconds to go to the fast backward mode.
3. Press [green] button once to go to the next music file.
4. Press and hold [green] button for 3 seconds to go to the fast forward mode.
5. When playing a music file, press colour [Yellow] button to pause the music. Press [Yellow] button again to resume the playing music.
6. Press [Yellow] button to start playing from the 1st file of the music list. If no file is in the list, it will display “Image play list is empty”.
7. Press [Blue] button to switch to repeat modes: Repeat all / Repeat one / Repeat folder / Repeat 123 / Repeat random.
8. When playing a music file, it will show a preview window where it displays the current file name and the spectrum. When music stops, the spectrum disappears.

10.1.2 Image
When the highlight is on an image file, a picture preview will be displayed in the preview window and the following dialog window will be displayed. The preview window is used to display the current file name, the picture size, etc.
When the highlight is on an image file, press [OK] button to play the current image in full screen.

1. The system will start a default picture slide show, repeating all the image files in the current folder.
2. Press [Up/Down] buttons to go back to the previous picture or to go to the next picture.
3. Press [Left/Right] buttons to rotate the picture and a rotate icon will be displayed on the screen.
4. Press [OK] button to enter the zoom in mode and a zoom in icon will be displayed on the screen.
5. Press [Pause] button to pause a picture and a pause icon will be displayed on the screen. Press [Pause] button again to restore the default picture slide show.

10.1.3 Mpeg
Press [OK] button to play the current file in full screen, the following picture will display on the screen.

1. Press [Info] button to show / hide the navigator bar.
2. Press [Play] button or number [1] button to start playing the current file from pause mode or stop mode.
4. Press number [0] button to stop playing.
5. Press [Red] button to enter the fast rewind mode. Press [Red] button repeatedly to switch the fast rewind speed.
7. Press [Blue] button to enter the slow forward mode.
8. If the navigator bar is hidden, press [Left/Right] buttons to adjust Volume of the TV channel.
9. Press [Up/Down] button to play the previous or the next mpeg file from the current folder.
10. When playing mpeg file in full screen and navigator bar is hidden, press [Menu/Exit] button to go back to the media player file list directly. If the navigator bar is displayed, press [Menu/Exit] button to cancel the navigator bar.

10.1.4 Bottom buttons
You can press [Left/Right] buttons to move the highlight to the 5 bottom buttons.
Press [FAV] button or number [2] button in the file list to add favourite image files to the Image list.

Press [OK] button to set the default picture slide show of all image files of the current folder.
If the image list is empty, it will show “Image play list is empty”.

Music list:
Press [FAV] button or number [2] button in file list to add favour music files to the music list. Press [OK] button to confirm.
Press [Up/Down] button to move the highlight.
Press [Red] button to start playing files from the music list.
Press [Yellow] button to delete the files, one by one from the music list.
Press [Blue] button to delete all music files in the list.
If the music list is empty, It will show “Music play list is empty”.
Press [Exit] button to exit the music list menu.

Image list:
Press [FAV] button or number [2] button in the file list to add favour image files to the Image list. Press [OK] button to enter the “Image list”
Press [Up/Down] buttons to move the highlight.
Press [Red] button to start playing the files from the image list.
Press [Yellow] button to delete the files one by one from the Image list.
Press [Blue] button to delete all image files in the list.
If the Image list is empty, it will show "Image play list is empty".
Press [Exit] button to exit the image list menu.

Setup
Press [OK] button to enter the "Setup menu", the following picture will display on the screen:

Press [Up/Down] buttons to highlight the item.
Press [Left/Right] buttons to select:
- Slide Interval (sec.): To set the picture stay time of slide show. You can set 0 - 10 seconds.
- Slide Repeat: To select the picture slide show playing mode. You can set "OFF/ON".
- Slide Effect: To set the slide show picture fade in fade out effect. You can set "Random", "Shutter", "Left/up stretch", "Left/up Insert", "Chessboard", "Cross Fade".

34
Sort

Press [OK] button to enter the “Sort menu”, the following picture will display on the screen:

Name (A – Z): sort files based on file name 1st letter from A to Z;
Name (Z – A): sort files based on file name 1st letter from Z to A;
Image 1st: sort file sequence JPG > BMP > MP3 > WMA
Music 1st: sort file sequence MP3 > WMA > JPG > BMP

Other:
1. Insert a storage device and the following picture will display on the screen:

Select “Yes” to enter the “USB media player” or select “No” to keep the TV mode.
2. When you exit from the USB media player menu, the system will prompt user “Do you want to save current temp play list to USB disc?”. Select “Yes” to save and exit, “No” not to save and exit.

10.2 Record Manager

Press [OK] key to enter the “Record Manager” menu, the following picture will display on the screen:
2. Press [FWD/REV] buttons to thumb the page.
3. Press [OK] button to play the current file.
Press [Exit] button to hide the information bar. Press [OK] button to recall the information bar again.
Press [Left/Right] buttons to move the position cursor, press [OK] button to play the video from the position the cursor is pointed now.
- Press [Stop] button to stop playing and to go back to the “Record manager menu”.

10.2.1 Lock
Press number [1] button to mark a lock and an unlock file.
If the “Channel Lock” is “On” and the highlight is on a lock file, it will show a password box to input the current password.
If you want to watch a locked channel, you have to disable the channel lock in the main menu / Parental Lock / Channel Lock to “OFF”.

10.2.2 Delete
Press number [2] button to set a mark on the channel you wish to delete, and cancel the delete icon.

10.2.3 Rename
Press number [3] button, it will show a “Rename” window and you can rename the highlighted file.
Press [Up] [Down] [Left] [Right] buttons to move the highlight in the “Rename” window.
Press [OK] button to input a character.
Move the highlight to “OK” and press [OK] button to save the modification.
Move the highlight to “ESC” and press [OK] button to cancel the operation.
Press [Menu/Exit] button to exit the “Record Manage” window, it will show “Do you really want to delete these files?”; after you mark a delete icon. Select “Yes” to save data and exit, or select “No” to cancel the operation after you edit the data.

10.3 Removable Disc Information
Press [OK] button to enter the menu and the following picture will display on the screen.
The system will show the information about the device.

10.4 Record Settings
Press [OK] button to enter the menu, the following picture will display on the screen:

10.4.1 Time Shift
Press [Left/Right] buttons to select “ON/OFF” to enter the time-shift mode.

10.4.2 Time-shift Time (min):
You can set manually how much space the system would need for the time-shift buffer. It provides: 10 / 20 / 30 / 40 / 50 / 60 (min) to set. If there is not enough space on USB device, it will automatically adjust the time.

10.4.3 Record type
Press [Left/Right] buttons to select “TS” or “PS”.
TS: DVR recording will store the TV program in the transport stream format.
PS: DVR recording will store the TV program in the MPEG format. (Notes: In the MPEG format, it will not record TTX, Subtitle, but it could be a universal format for a user to easily copy and play it on a portable media player.)
10.4.4 Time-shift to Rec
Press [Left/Right] buttons to select “ON/OFF”.
When select “On” and time-shift playing, press [REC] button to switch to the time-shifted + record mode. The system will store all data in the time-shift buffer and it will save it on the disc as recording. In the time-shift + record mode, you cannot only record but also can you time-shift

10.4.5 Record Recover
Press [Left/Right] buttons to select “ON/OFF”.

10.4.6 Standby Mode
Press [Left/Right] buttons to select “ON/OFF”.

10.4.7 Preferred Storage
Press [Left/Right] buttons to select “USB/Partition1”.

10.5 Safely Remove Storage Device
It is used to safely remove your inserted USB device, similar as on computer. Select this item and press OK, the system will un-mount all storage devices inserted to this system.

10.6 Format Device
When you press [OK] button in the “Format Device” item, the following picture will display on the screen:
1. There will pop a dialogue window for you to enter the password, and the default password is “0000”.

2. After you input the correct password, there will show a warning message to inquiry you “Warning: Format will delete all the data in storage device, are you sure?”.

3. If you select “Yes” option, format will delete all the data on the storage device. Please use carefully this function.

4. In step 1 and step 2, press [Exit] button to draw back from this item without saving.

11 DVR

11.1 REC (Record)

1. Press [Record] button to record a file on TV full screen, and show a REC bar on the screen. The following picture will display on the screen:

2. When recording, press [Exit] button to cancel the record bar and show a “REC” icon in full screen.

3. Press [Record] button again to show a Record Duration Box, press [OK] button to enter duration time menu. Using number buttons input the duration time. The max time is 99.99 hours. Press [OK] button again to save, press [Exit] button to exit this box.

4. When recording, press [REV/FWD] button to enter the fast rewind mode or the fast forward mode.

5. Press [Stop] button to stop recording and to save a file in the “Record manager” menu. When press [Stop] button, the following picture will display on the screen:
11.2 Time-shift function

Time-shift function is a programmable recording which allows a user to watch or listen a recorded file at more convenient time.

If you insert a storage device and the device speed is enough, it will automatically start to time-shift. Press [Pause] [Slow] [Fast Rewind] [Fast forward] buttons to display the time-shift bar.

If no storage device is available, press [Pause] button to freeze the video only, and all DVR buttons are not available.
1. In TV full screen, press [Pause/Play] button to enter the time shift mode. To pause audio and video, press [Pause/Play] button again. Video and audio will resume playing.
3. Press [Left/Right] buttons to move the highlight and press [OK] button to play from the current cursor position.
4. Press [Stop] button to stop the time-shift mode.

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

Tuner
Front-End: DVB-T
Input Frequency Range: VHF: 174 — 230 MHz, UHF: 430 — 858MHz
RF Input Level: -25 — -65dBm
Antenna Power: 5 V. Short protected.
RF impedance: 75 ohms

Demodulator
Modulation: COFDM
Constellation: QPSK, 16QAM, 64QAM
Transmission mode: 2K/8K
Guard Interval: 1/4, 1/8, 1/16, 1/32
Code Rate: 1/2, 2/3, 3/4, 5/6, 7/8
Channel Bandwidth: 7/8 MHz

Video Decoder
Profile level: MPEG2 MP@ML
Input Rate: Max. 15 Mbits/s
Video Resolution: 720 x 576 (PAL), 720x 480 (NTSC) pixels
Aspect Ratio: 4:3, 16:9
Ratio Mode: Letter Box / Pan Scan
Frame Rate: 25 (PAL); 30 (NTSC)
OSD (transparent & blending): 256 colour, transparent ok
Recall: Recall last selected channel
RCA JACK: CVBS (yellow), S/PDIF Audio L, R(White, Red)

Audio Decoder
MPEG1: Layer I/II
Multi-audio: Multi audio and multilingual support
Audio modes: Single/Dual Mono/Stereo/Joint Stereo

System and Memory
Main Chip: ALi M3101D
Flash Memory: 512K byte serial fl ash
SDRAM: 8M bytes @ 16bits/135MHZ

Power Supply
Input Voltage Range: 100 — 240 V ~ 50/60 Hz
Power consumption: max 8 W
Standby power: <=1W
Dimension (W × H × D): 230mm × 40mm × 165mm

Display: Channel number display

Due to innovation, the technical specifications are subject to changes.
Handling instructions for the disposal of used packaging material

Dispose of the packaging material in the designated place for waste disposal.

Electronic and electric appliance disposal instructions

Information for users for the disposal of electric and electronic devices

This symbol on products or original documents means that used electric or electronic products must not be added to standard communal waste. For proper disposal, renewal and recycling hand over these products to determined collection points. Or as an alternative is some European Union states or other European countries you may return your products to the local retailer when buying an equivalent new product.

Through the correct disposal of this product you will help retain valuable natural resources and prevent potential negative effects on the environment, which could result from its incorrect disposal of waste. Ask about other details at the local council or at the nearest collection point.

In accordance with national regulations penalties may be imposed for the incorrect disposal of this type of waste.

For business entities in European Union states
If you want to dispose of electric or electronic devices, ask your retailer or supplier for the necessary information.

Disposal in other countries outside the European Union.
This symbol is valid in the European Union. If you wish to dispose of this product, request the necessary information about the correct disposal method from the local council or from your retailer.

This product is in compliance with the requirements of the regulations of EU on electromagnetic compatibility and electrical safety.

Changes in the text, design and technical specifications may change without prior notice and we reserve the right to make these changes.