

# AKAI

## DVD+DVB-T2

### Operating Instructions

## STB-2680

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MP4 DVD VIDEO PLAYER

*PLEASE READ CAREFULLY BEFORE USE*

Českú a slovenkú príručku môžete stiahnuť zo stránky [www.akai-atd.com](http://www.akai-atd.com).  
Českou a slovenskou příručku můžete stáhnout ze stránky [www.akai-atd.com](http://www.akai-atd.com).

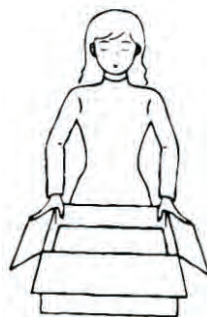
## FOREWORD

Dear Customers:

Please read this manual carefully before enjoying the excellent audio and video effects of our products, in order to prevent any unwanted accidents.

### Check It When You Open The Package

DVD Player.....	1
Remote Control Unit.....	1
Audio/Video Signal Cable.....	1
Instruction Manual.....	1
Warranty Card.....	1



*Note: Please contact stockist if you found any difference from above.*

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## SAFETY INSTRUCTION



**Warning** : This mark is a warning sign alerting you of dangerous voltage inside the product.



**Caution** : This mark is a warning sign alerting you of important operation and maintenance instructions accompanying the product.

The design and manufacture of the appliance have fully considered the safety of human body. However, inappropriate handling of it may cause accidents such as electric shocks and fire. So, the following safety instruction should be fully observed.

*Notice: The appliance cannot be handled with wet hand. It should be kept at dry place with proper ventilation.*

### Cleaning The Player

Clean the casing, panel and controls with a soft slightly moistened with detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzene, to avoid damaging the surface or removing the prints on them.

### Precaution About The Disc

Do not play any cracked, broken, or deformed disc.



Crack



Broken

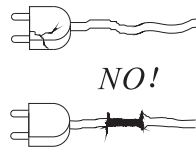


Deform

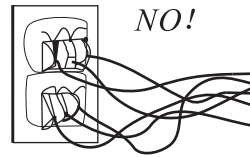
It is very dangerous to play any broken or deformed disc, because the disc should be rotated with high speed. Do not apply tape or glue on the disc; otherwise it may damage the player. Notice if there is any strange noise or vibration while playing the picture, or sound skip, or the picture distorted, please stop player immediately.

## MAINTENANCE

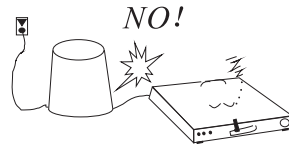
- When the power cord or plug is damaged or frayed, unplug this DVD player from the wall outlet and refer servicing for qualified service personnel.



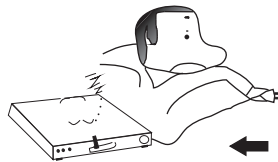
- Do not overload wall outlets and extension cords as this can cause fire or electric shock.



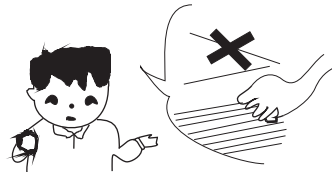
- Do not allow anything to rest on or roll over the power cord and do not place the DVD player where the power cord is subject to traffic or abuse. This may cause a shock or fire hazard.



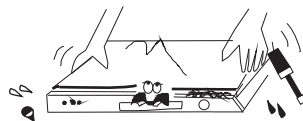
- If the DVD player has been dropped or the cabinet has been damaged, unplug this DVD player from the wall outlet and refer servicing for qualified service personnel.



- Never push any kind of object into this DVD player through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock.



- Do not attempt to service this DVD player yourself as opening or removing covers may expose you to dangerous voltage. Refer all servicing for qualified service personnel.



## MAINTENANCE

- Avoid dusty places, since accumulated dust inside the chassis may cause failure of the DVD player. When high humidity persists.



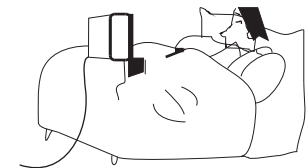
- Do not use this DVD player near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, etc.



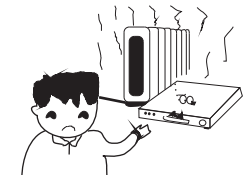
- Never cover the DVD player with cloth or other material for better ventilation.



- Never block the bottom ventilation slots of the DVD player by placing it on a bed, sofa, rug, etc.



- Never place the DVD player near or over a radiator or heat register.



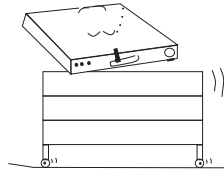
NO!

- Never place the DVD player in a "built-in" enclosure, unless proper ventilation is provided.

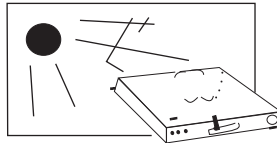


## MAINTENANCE

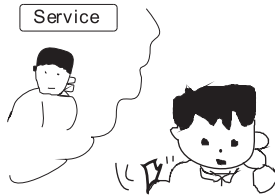
- Do not place this DVD player on an unstable cart, stand or table. The DVD player may fall down and, causing serious injury to human or will seriously damage the appliance.



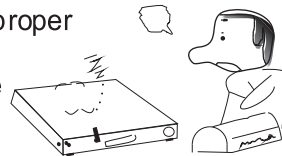
- Choose a place where not directly dispose to sunlight or high artificial shine that may cause damage of the DVD player screen.



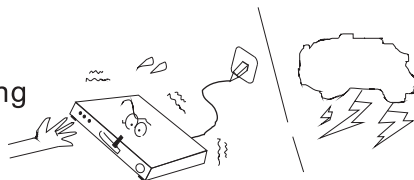
- If the DVD player does not work properly and you are unable to restore normal operation by following the "TROUBLESHOOTING" section in your instruction manual, do not attempt any further adjustment. Unplug the DVD player and consult for service personnel.



- Adjust only those controls that are covered in the instruction manual as improper adjustment of other controls may cause damage of the DVD play, please consult for your service personnel to restore the DVD player to normal operation.

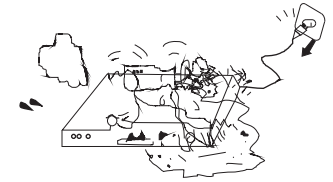


- For added protection for this DVD player during a lightning storm, unplug it from the wall outlet and disconnect the antenna or cable system.



## MAINTENANCE

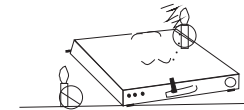
- The DVD player shall not be dripping or splashing to liquid or placed object content liquid on the DVD player such as vases.



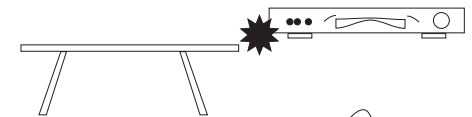
- If a strange sound or smell come out from the DVD player, please turn off and unplug it from the wall outlet, then refer for service personnel.



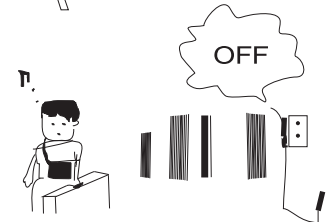
- To prevent fire, never place any type of candle or naked flames on the top or near the DVD player.



- Avoid any kind of impact to the DVD player. Be carefully not to damage the screen display.



- If the DVD player is remain unused for a period of time, turn off and unplug it from the wall outlet.

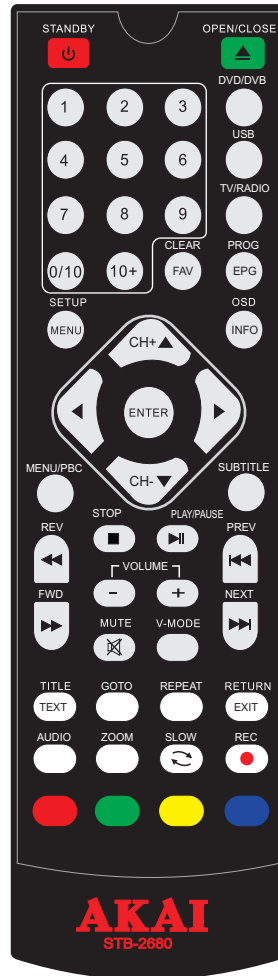


- where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable

## REMOTE CONTROL DESCRIPTION

### Remote control description

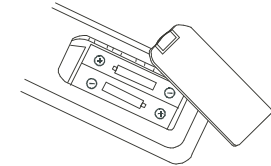
1. Power key: power ON/OFF
2. Open/Close key: put in or eject disc
3. Dvd/Dvb:dvd turn to dvb
4. USB/DVD key:usb,dvd . Transformation
5. Fv/Radio: Switches between TV and Radio mode
6. Program key:set play to follow the program
- 6-1. **Epg key**:calls up the EPG(Electronic program Guide)
7. Clear key: clear function
- 7-1. **Fav key**:Display the favorite prog ram list
8. Setup key: display major menu
- 8-1. **Menu key**:Display the Main Menu on the screen to the previous menu or status
- 9.Osd: time indication, title indication, chapter indication
- 9-1. **Info key**:Shows information of the current program
10. Subtitle key: this function may enable you to select multi subtitle languages
11. **Menu/PBC key**:player at 9 picture s/ press this key to select playing VCD disc format
12. FF key:fast forward
13. FB key: fast backward
14. Enter key: confirm your selection
15. Stop key: press this key to stop the playing machine
16. Play key: press twice to renew playback
16. Pause key: press one time to pause
17. Volume - key: press to lower the volume level a little
18. Volume + key: press to raise the volume level a little
19. Prev key:press this key to play the previous melody number
20. Next key: press this key to play the next melody number
21. Mute key: press this key to open or close audio output
22. Video key: video signal output switch
23. Title key: display title
- 23-1. **Text key**:return to the last page directory
24. Goto key: set the playing time
25. Repeat key: this key is used to return to previous menu of system setup or PBC operation.
26. Return key: return to disc menu playback
- 26-1. **Exit**:Retuner to the previous menu on the menu screen ores cape from the menu
27. **Audio key**:Turn to audio language
28. Zoom key: zoom in and out the pictures
29. Slow key: slowly playing
30. **Rec key**:Press this key start to record the program



## INSTALLATION

### Battery Installation For Remote Control

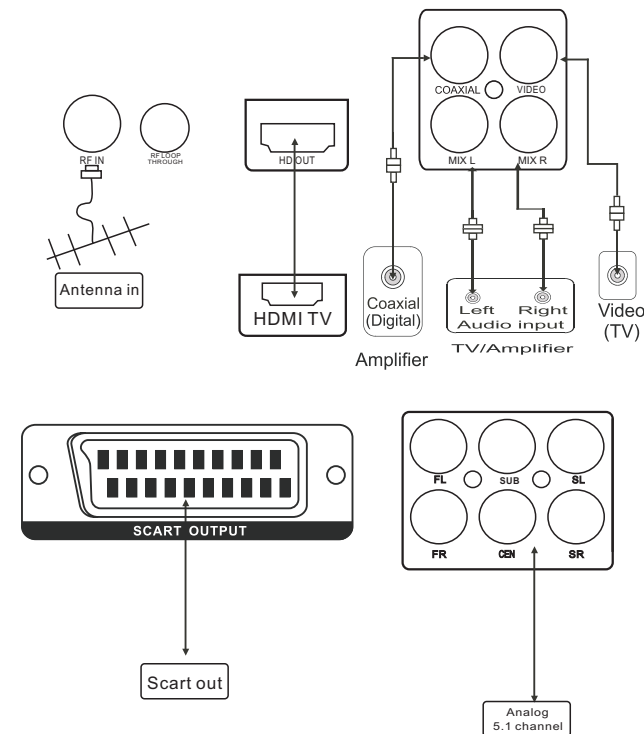
Remove the battery compartment door of the remote control and insert 2 size "AAA" alkaline battery according to the + and - marking inside the battery compartment of the remote control unit. Point the remote control unit towards the remote control sensor on the front of the player.



### Appliance Connection

Complete the connection before turn on powersupply to avoid being electrify

#### Video/Audio Connection



## OPERATION

### Operation



Turn on the power button of TV, player and amplifier.

1. Press the "TV/AV" button, select video mode,  
\* If connect with S-video, choose video mode  
\* if connect with Y, Cb, Cr select YUV mode
2. Select the correct audio output on the amplifier \*Some amplifier is different, please refer to the manual of the amplifier.



Step 1: Press "open/close" button, the disc tray will slide out automatically

Step 2: Load the disc to the tray, and press "open/close" button, the screen will indicate "close", the player will identify the format of different disc, and then indicate it on the upper left of the TV screen. The display of the player will also indicate the type of the disc.



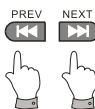
After reading the disc, the player will go directly to play it:

- When playing DVD disc, it will go to the menu of DVD or the title menu;
- When playing VCD 2.0 disc, it will go to the PBC control display;
- When playing CD disc, it will play in the sequence specified chapter number.

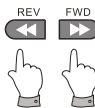
During DVD play, press the "play/pause" button to play or pause.



During DVD play, the first press of the "stop" button is memory stop, press "play/pause" button to resume memory play. Press the "stop" button for the second time to stop it completely.



- Press "PREV" button, the previous chapter will be played.
- Press "NEXT" button, the next chapter will be played.



- Press the "FWD" button continuously to search forward at a faster speed x2, x4, x8, x16, x32, and then return to normal.
- Press the "REV" button continuously to search backward at a faster speed x2, x4, x8, x16, x32, and then return to normal.



When the DVD disc is played, such as sport events, music concerts or dramas, press "angle" button on the remote control, you can enjoy a certain action from different angles (this operation works only with DVD discs with this function).



During playback, repeat pressing "language" button to select the desired audio language.

## OPERATION

### Operation

When the following discs are played, press "display" button on the remote control, it will display the pictures.

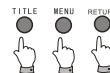
When the disc is playing:



Press (x=time)	Screen will display		
	DVD	VCD/SVCD PBC on	VCD/SVCD PBC off
1x	Title Elapsed	Single Elapsed	Single Elapsed
2x	Title Remain	Single Remain	Single Remain
3x	Chapter Elapsed	Display Off	Total Elapsed
4x	Chapter Remain		Total Remain
5x	Display Off		Display Off



During playback, repeat pressing "subtitle" button to select the desired subtitle if available.



Press either "Title/ Menu/ Return" to return to the main menu.



Press "Step" button repeatedly to advance the program from frame to frame. Each operation will advance one picture. Press "play" button to resume to normal play.



Press (x=time)	DVD	VCD/SVCD
1 x	Chapter	Track
2 x	Title	All
3 x	All	

## MP3 OPERATION

### MP3 Operation

Follow the normal basic operation steps, load the disc, and the player will start to search for disc info and enter into MP3 menu mode as per the figure below.



Press "Repeat" continuously for following different function:

Press (x = time)	Repeat	Function
1x	Folder	Automatically stop after playing selected folder
2x	Single	Automatically stop after playing selected single song
3x	Repeat one	Automatically repeat the selected song
4x	Repeat folder	Automatically repeat the selected folder

MP3 / WMA disc compatibility with this player is limited as follows:

- Sampling frequency: within 8 - 48 kHz (MP3), within 32 - 48 kHz (WMA)
- Bit rate: within 8 - 320 kbps (MP3), 32 - 384 kbps (WMA)
- The player cannot read an MP3 / WMA file that has a file extension as non than ".mp3" / ".wma"
- If you record MP3 / WMA files using software that cannot create a file system (eg. Direct-CD) it is impossible to playback MP3 / WMA files.
- File names should have a maximum of 8 letters and must incorporate an .mp3 or .wma extension.
- They should not contain special letters such as / ? \* : < > | etc.
- The total number of files in a folder should be less than 1012 files.

## SYSTEM SETUP

### System setup

Main Menu	Sub-Menu	Options	Description
Language	Osd language	English/magyar...	Select on screen/TV display language
	Subtitle	English/magyar/czech polish/slovak	The player supports multiple languages. Subtitle display depending on disc supported function. Subtitle can be shown or off while disc playing.
	Audio	English/magyar/czech polish/slovak	The player supports multiple languages. The language selected depends on disc supported language format.
	Menu	English/magyar/czech polish/slovak	The player supports multiple languages. Disc menu display depend on disc supported function.
DISPLAY	Aspect ratio	4:3ps/4:3lb/16:9	Select TV display mode,select wide if TV is wide screen
	Tv type	Ntsc/pal/auto	Select TV systems
	Video put	Interlace-yuv/rgb /s-video	Select video output function
	Screen saver	screen saver off/on	
	Last memory	Last memory off/on	
Audio	Spdif digital	Raw/pcm/off	SPDIF output source code or PCM format output,Dolby digital or dts signal through the optic fiber and coaxial cabl on the back panel.
	Channel output	Lt/rt stereo	Select sound systems
Parental	Change	---	Input number by user and confirmed by ENTER button
	rating level	1g/2/3pg/4pg13/5/6r/7nc-17/8	Different rated films can be selected from disc. User can set password for parental guide.
	default reset	reset	Select default to resume the original setting



## TROUBLESHOOTING

### Troubleshooting

Problems	Cause	Solution
<b>No power indication</b>	Power plug not connected	Plug the power cord into the power supply
<b>No picture</b>	TV has not been set to the correct video input	Set correct TV video input format for receiving the player's output signals.
	Video cable not firmly connected	Firmly insert the video cable ends to the related terminals
<b>No sound</b>	Audio cable not connected properly	Firmly insert the audio cable ends to the related terminals
	Power of audio apparatus is off	Turn on the power of audio apparatus.
	Audio output setting is incorrect	Setup audio output correctly via the setup menu.
<b>Picture distortion</b>	Disc is dirty or scratched	Take out the disc and clean.
<b>The player does not work</b>	No disc	Load a disc
	Disc not compatible	Load a compatible disc (Check the disc format and its color system).
	The disc is placed upside down	Check disc is put in correctly.
	Disc is dirty	Clean the disc
	Player setting are incorrect	Change the setting via the setup menu.
	Parental lock is in effect	Disable this function or reset the rating level.
<b>No response to key press</b>	Interference of power wave or other factors such as static interference	Turn off the main switch or pull out the power plug, plug it in and turn on the power again.
<b>Remote control does not work</b>	The remote control not pointed at the remote sensor on the front panel of the player	Point the remote control at the remote sensor.
	The remote control is out of specified range	Make sure the remote control range within 7 meters to the remote sensor.
	Battery power exhausted	Replace with new batteries.

## TECHNICAL SPECIFICATION

### Technical specification

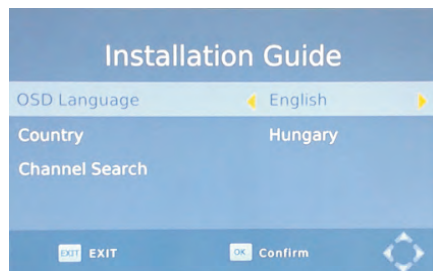
<b>TV Format</b>	NTSC / PAL / MULTI
<b>Disc Format</b>	DVD, SVCD, VCD, DVCD, HDCD, CD, CD±RW, DIVX, MP3 & MPEG4
<b>Image Resolution</b>	450 lines x 720 lines
<b>Video Characteristic</b>	1.0 ± 0.2V
<b>Video Signal To Noise</b>	≥ 56dB
<b>Video D/A Transit</b>	12bit / 108MHz
<b>Video Output</b>	Composite Video
	RGB
<b>Audio Characteristics</b>	2 <sup>+0.2V</sup> <sub>-1.0V</sub>
<b>Audio Signal To Noise</b>	≥ 90dB
<b>Frequency Response</b>	fs 96KHz:4Hz-44KHz: ± 1db
<b>Audio D/A Transit</b>	24bit / 192KHz
<b>Distortion</b>	< 0.01%
<b>Audio Output</b>	2 Channel
	STEREO
	Coaxial Digital Output
<b>Power Supply</b>	AC 90~240V, 50/60Hz
<b>Power Consumption</b>	≤ 10W
<b>Operating Temperature</b>	+5°C - +35°C
<b>Operating Humidity</b>	10% - 75%

\* Design and specifications are subject to change without prior notice.



## 1 Installation Wizard

If you are using the receiver at the first time or have restored the receiver to Factory Default, the Installation Guide Menu will appear on your TV screen.

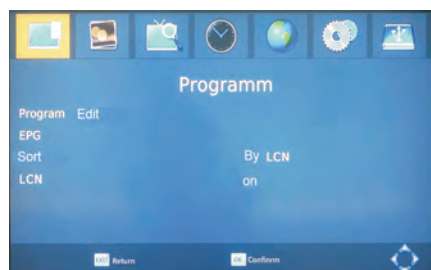


- (1) [OSD Language]: Press RIGHT/LEFT key to select a language.
- (2) [Country]: Press RIGHT/LEFT key to select your country of residence.
- (3) [Channel Search]: Press RIGHT or OK key to begin Automatic channel search.
- (4) Once channel tuning is complete, you can start watching TV programs.

## 2 Basic Operation

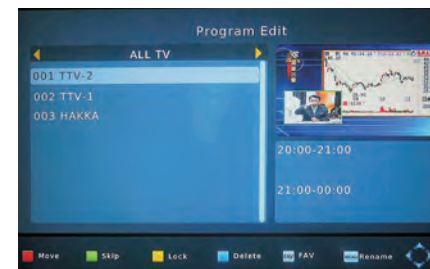
### 2.1 Program Manage Settings

To access the Menu, press the MENU button and select [Program] using the RIGHT/LEFT keys to navigate through the menu. The Menu provides options to adjust the Program Manage Settings. Select an option and press OK or RIGHT to adjust the setting. Press the EXIT button to exit the Menu.



#### (a) Program Edit

To edit your program preferences (lock, skip, favorite, move or delete), you will need to enter the Program Edit Menu. This Menu requires a password to access. The default password is '000000', while the master unlock password is '888888'.



### Set Favorite Channels

You can create a shortlist of favorite programs that you can easily access. Set Favorite TV or Radio program:

1. Select your desired channel then press the FAV button. A heart-shaped symbol will appear and the channel is marked as a favorite.
2. Repeat the previous step to select more Favorite channels.
3. To confirm and exit the Menu, press the EXIT key.

### Disable Favorite TV or Radio:

Select the Favorite channel and press FAV button on the remote control to cancel.

### View Favorite Channel

1. While in normal viewing mode, press FAV button and the Favorite Menu will appear.
2. Press UP/DOWN to browse through your Favorite Channels
3. Press OK to select your favorite channel.

### Delete a TV or Radio Program

1. Select the Program and then press the BLUE button. A warning message will appear. Press OK to delete the channel.
2. Repeat the previous step to select more channels to delete.

### Skip TV or Radio Channel

1. Select the channel you would like to skip and press the GREEN button. A skip symbol is displayed. The channel is marked as a skip.
2. Repeat the previous step to skip more channels.
3. To save your settings and exit the menu, press EXIT key.

### Disable the Skip Channel function:

Select the skip channel and press the GREEN button on the remote control to cancel.

### Move a TV or Radio Program

1. Select the preferred channel then press the RED button. A move symbol will appear.
2. Press UP/DOWN to move the channel.
3. Press OK to confirm.
4. Repeat the above steps to move more channels.

### Lock Program

You can lock selected programs for restricted viewing.

#### Lock a TV or Radio channel

1. Select the preferred channel then press the YELLOW button. A lock-shaped symbol is displayed. The channel is now marked as locked.
2. Repeat the previous step to select more channels.
3. To confirm your settings and exit the menu, press the EXIT button.
4. Press the YELLOW button to disable the locked channels function.
5. To view the locked channels, you will be required to enter either the default password '000000' or your last set password. The master unlock password is '888888'.

#### (b) EPG (Electronic Program Guide)

The EPG is an on-screen TV guide that shows scheduled programs seven days in advance for every tuned channel. Press the EPG button on the Remote Control to access the guide.

You can use the UP/DOWN key to select the preferred program. If there is more than one page of information, use the BLUE button for page up and the YELLOW button for page down.

#### (c) Sort

Sort your channels from the following options:

[By LCN] - Sort the channels in ascending order.

[By Service Name] - Sort the channels in alphabetical order.

[By Service ID] - Sort the channels according to the station.

[By ONID] - Sort the channels according to ON ID.

#### (d) LCN (Logical Channel Number)

Set LCN on or off.

### 2.2 Picture Setting

To access the menu, press MENU then select [Picture] using the RIGHT/LEFT key.

The Menu provides options to adjust the video setting. Press UP/DOWN to select an option and press RIGHT/LEFT to adjust that setting. Press EXIT to exit the menu.



#### (a) Resolution

You can change this setting if the picture resolution does not appear to be correct.

This setting is to match the most common setting for HDMI.

[480P]: for NTSC TV system

[576P]: for PAL TV system

[720P]: for NTSC or PAL TV system

[1080i]: for NTSC or PAL TV system

[1080p50Hz]: for NTSC or PAL TV system

#### (b) TV Format

If the picture does not appear to be correct you can change this setting. This setting should match the most common setting for TVs in your country.

[NTSC]: for NTSC system TV.

[PAL]: for PAL system TV.

### 2.3 Channel Search

To access the menu, press MENU and select [Search Channel] using the RIGHT/LEFT keys. This Menu provides options to adjust the Search Channel settings. Press UP/DOWN to select option and RIGHT/LEFT to adjust the settings. Press EXIT to exit Menu.



#### (a) Auto Search

This option will automatically search for channels and save them once the scanning is complete. All previously saved channels and settings will be deleted.

1. Select [Auto Search] and press OK or RIGHT to start channel search.

2. To cancel channel search, press EXIT. Any channels that have been found will be saved.



**(b) Manual Search**

This option allows you to scan for new channels without deleting previously saved channels and settings.

1. Select [Manual Search] then press OK or RIGHT. The channel search screen will appear.



2. Press the RIGHT/LEFT key to select the channel frequency.
3. Press OK to start searching channels.

If a channel is found, it is saved and added to the channels list. If channels can not be found during searching, the receiver will exit automatically.

**(c) Country**

Select your country of residence.

**(d) Antenna Power**

Enable Antenna Power if an external active antenna is connected.

**2.4 Time Setting**

To access the Menu, press MENU select [Time] using the RIGHT/LEFT keys. The Menu provides options to adjust the time settings. Press UP/DOWN to select an option and press RIGHT/LEFT to adjust the setting. Press EXIT to exit the menu.

**(a) Time offset**

Select auto or manual for GMT offset adjustments.

**(b) Country Region**

Select the Country Region when [Time Offset] is set to Auto.

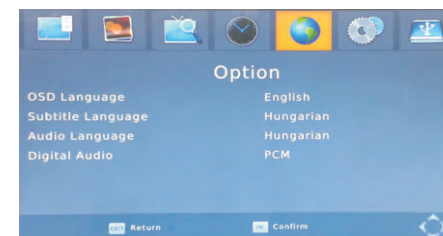
**(c) Time Zone**

Select the Time Zone Offset when [Time Offset] is set to Manual.

**(d) sleep****Sleep on/off****(e) power on/of****2.5 Option**

To access the Menu, press MENU and select [Option] using the RIGHT/LEFT keys.

The menu provides options to adjust the OSD Language, Subtitle Language and Audio Language. Select an option and press RIGHT/LEFT to adjust the setting. Press Exit to exit the Menu.

**(a) OSD (On Screen Display) Language**

Select an OSD language.

**(b) Subtitle Language**

Select the preferred subtitle language.

**(c) Audio Language**

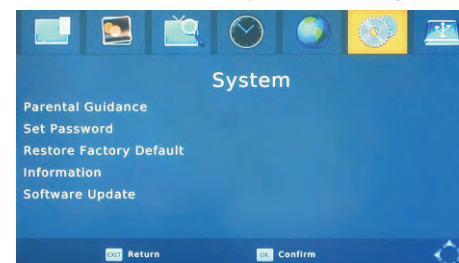
Select the preferred audio language for watching TV channels. If the language is not available, the default program language will be used.

**(d) Digital Audio**

Select digital audio output mode.

**2.6 System Setting**

To access the Menu, press MENU select [System] using the RIGHT/LEFT keys. The menu provides options to adjust the system settings. Press the UP/DOWN key to select an option and press RIGHT/LEFT to adjust the setting. Press EXIT to exit the Menu.



**(a) Set password**

Set or change the password for locked programs. Enter your old password or the default password '000000'. You will then be asked to enter your new password. Press OK button to confirm your new password. Once it is confirmed, press EXIT to exit the Menu. The master unlock password is '888888'.

**(b) Restore Factory Default**

Reset your Set Top Box to the Default Factory Settings. In Main Menu select [Restore Factory Default] using the RIGHT/LEFT keys and press OK or RIGHT to select. Enter your password or the default password '000000' and press OK to confirm. This option will delete all preset channels and settings. The Master unlock password is '888888'.

**(c) Information**

View model, hardware and software information.

**(d) Software update**

(1) If the status is set 'ON', it will scan new software from broadcast according to your preferred time in "Start time".

**(1. 1) Start Time**

This is the time that the receiver will scan for software updates.

**(2) USB update**

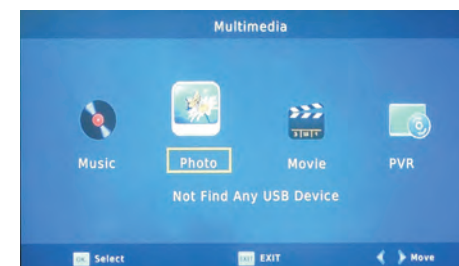
System can be updated via USB

**2. 7 USB**

To access the Menu, press the **MENU** button and select [USB] using the RIGHT/LEFT keys. The menu provides options to playback Music, Photo and Multimedia files. It can support AVI, MP3, WMA, JPEG and BMP etc formats. The receiver will only support USB device with FAT32 file system. It will not support NTFS file system.

**(a) Multimedia**

When a USB device is attached you can select from the Music, Photo or Movie options in this menu using the RIGHT/LEFT keys and OK to select. If a USB device is not connected, the warning message "No USB device is Found" will appear.

**(b) Photo configure**

– **Slide Time**: adjust slide show interval to 1~8 seconds.

– **Slide Mode**: adjust slide show effect as mode 0~59 or random.

– **Aspect Ratio**:

[Keep]: Play picture in its original aspect.

[Discard]: Play picture in full screen mode.

**(c) Movie Configure:**

– **Aspect Ratio**:

[Keep]: Play movie in its original aspect.

[Discard]: Play movie in full screen mode.

– **Subtitle Specific**:

[Small]: Displays the subtitle as small mode.

[Normal]: Displays the subtitle as normal mode.

[Big]: Displays the subtitle as big mode.

– **Subtitle BG**:

[White]: Displays the subtitle in white background.

[Transparent]: Displays the subtitle in transparent background.

[Grey]: Displays the subtitle in grey background.

[Yellowgreen]: Displays the subtitle in yellowgreen background.

– **Subtitle Font Color**:

[Red]: Displays Subtitle in red font.

[Blue]: Displays Subtitle in blue font.

[Green]: Displays Subtitle in green font.

**Notes:**

– We can't guarantee compatibility (operation and/or bus power) with all USB mass storage devices and assume no responsibility for any loss of data that may occur when connected to this unit.

– With large amounts of data, it may take longer for the system to read the contents of a USB device.

– Some USB devices may not be properly recognized.

– Even when they are in a supported format, some files may not play or display depending on the content.

## 5 Trouble Shooting

Problem	Potential Reasons	What to do
No picture	Power isn't connected	Connect the power
	The powers witch is not on	Switch on the power
Screen shows "No Signal"	DVB-T cable not connected	Plug in the DVB - T cable
	Aerial cable is faulty	Check aerial cable and connections
No sound from speaker	No or incorrect connection with audio cable	Connect the audio cable correctly
	Sound on mute	Turn off mute function
Only sound, no image on the screen	No or incorrect connection with AV cable	Make sure cables are connected correctly
	The program is a radio program	Press <TV/RADIO> key to shift into TV mode
Remote control is not working	The battery is exhausted	Change battery
	Remote control is not facing or close enough to the Set Top Box	Adjust the position of the Remote control and move closer to the receiver
Picture is breaking up	The signal is too weak	Check aerial cable and connections

## 6 Technical Specifications

Item	Sub Item	Parameter
Tuner	Input Frequency	48~862MHz
	RF Input Level	-20~-82dBm
	IF Bandwidth	7MHz and 8MHz
	Modulation	QPSK, 16QAM 64QAM , 256 QAM
Video	Decoder Format	MPEG4AVC/H.264 HP@L4 MPEG2 MP@ML/HL
	Output Format	576P, 720P, 1080i, 1080p50Hz
	Aspect Ratio	4:3, 16:9, Auto
	Output Port	HDMI(V1.3C), YPbPr, CVBS
Audio	Decoder Format	MPEG-1(layer1&1&2&3), WMA
	Audio output	S/PDIF(Coaxial), RCA x2(L/R)
USB2.0	Supported Capacity	Unlimited
	Supported Media	MP3, WMA, JPEG, BMP, AVI
Power	Supply Voltage	100~240V 50/60Hz
	Maximum Power Consumption	10W
	Standby Power Consumption	<0.8W