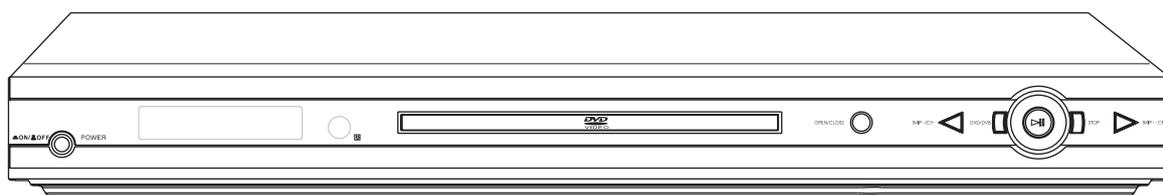


# *Wintal*<sup>®</sup>

## **DVD/DVB-T COMBO PLAYER PDV DX100S/PDV DX100B INSTRUCTION BOOK**



Please read this IB carefully to get the best performance from this player.

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## SAFETY INFORMATION

### Dear customer:

We take this opportunity to thank you for purchasing this DVD/CD/DivX player with built-in Digital Terrestrial Receiver. We strongly recommend that you study carefully the operation instruction before attempting to operate the unit and that you have noted the list precautions.

#### Note:

This unit can be used only where the power supply is 240V,50Hz, it can't be used elsewhere.

#### Caution

- ◆ DVD/DVB IS A CLASS 1 LASER PRODUCT. HOWEVER THIS DVD/CD PLAYER USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE DVD/CD PLAYER CORRECTLY AS INSTRUCTED WITHOUT OPENING CABINET AND LOADER COVER.
- ◆ WHEN THIS PLAYER IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF THE PLAYER.
- ◆ WHEN THIS PLAYER IS PLUGGED INTO THE WALL OUTLET, DO NOT REMOVE THE PROTECTIVE CAP ON THE OPTICAL OUTPUT SCART. RED BEAM SENDS OUT TO HARM YOUR EYES ESPECIALLY FOR CHILDREN WHEN YOU LOOK AT OPTICAL OUTPUT TERMINAL. PUT ON THE PROTECTIVE CAP WHEN THE SCART IS IDLE.
- ◆ RADIOACTIVE DANGER MAY BE CAUSED IF YOU DO NOT FOLLOW THE METHOD STIPULATED HERE FOR THE OPERATION, ADJUSTMENT OR CONTROL.
- ◆ PLEASE CONSIGN THE MAINTENANCE TO THE PROFESSIONAL TECHNICIAN.

#### Warning:

- ◆ To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.
- ◆ To reduce the risk of fire or electric shock, and annoying interference, use the recommended accessories.

### Copy Protection

This DVD player supports Macrovision copy protection. On DVD disc that include a copy protection code, if the contents of the DVD disc are copied using a VCR, the copy protection code prevents the videotape copy from playing normally.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Official DivX Certified™ product.  
Plays DivX® 5, DivX® 4, DivX® 3, and DivX® VOD video content (in compliance with DivX Certified™ Technical requirements)

U.S Patent Nos. 4,631,603; 4,577,216; 4,819,098; 4,907,093; and 6,516,132.



## Precautions

### Power cord protection

To avoid any malfunctions of the unit, and to protect against electric shock, fire or personal injury, please observe the following.

- ◆ Hold the plug firmly when connecting or disconnecting the AC power cord to this unit.
- ◆ Do not connect or disconnect the AC power when your hands are wet.
- ◆ Keep the AC power cord away from heating appliances.
- ◆ Never put any heavy object on the AC power cord
- ◆ Do not attempt to repair or reconstruct the AC power cord in any way.
- ◆ Remove dust, dirt, etc. on the plug at regular intervals.
- ◆ If the unit has been dropped or otherwise damaged, turn off the power and disconnect the AC power cord.
- ◆ If you find smoke, bad smells or noises are emitted from the unit, turn off the power and disconnect the AC power cord.

### Placement

Avoid placing the unit in areas of:

- ◆ Direct sunlight or heating radiators, or closed automobiles.
- ◆ High temperature (over 35°C) or high humidity (over 90%)
- ◆ Excessive dust
- ◆ Strong magnetic or static electricity place.
- ◆ Vibration, impact or where the surface is tilted. Otherwise the internal parts may be damaged.

### Non-use Periods

- ◆ Switch the unit to standby status or turn off the power when the unit is not being used.
- ◆ It should be unplugged from the household AC outlet when the unit is idle for a long period of time.

### No fingers or other objects inside

- ◆ Touching internal parts of this unit is dangerous, and may cause serious damage to the unit.
- ◆ Do not attempt to disassemble this unit.

### Keep away from water and magnets

- ◆ Keep the unit away from flower vases, tubs, sinks, etc. If liquids are spilled into the unit, serious damage could occur.
- ◆ Never bring magnetic objects such as speakers near the unit.

### Stacking

- ◆ Place the unit in a horizontal position, and do

## Features

not place anything heavy on it.

- ◆ Do not place the unit on amplifiers or other equipment, which may become hot.
- ◆ Minimum distances around the apparatus for sufficient ventilation.
- ◆ The ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.
- ◆ No naked flame sources, such as lighted candles, should be placed on the apparatus.
- ◆ This apparatus shall not be exposed to dripping and splashing.
- ◆ Socket outlet for connecting the mains plug should be easily accessible and remain readily operable.

## Features

### DVD section

#### DVD a completely new dimension in video entertainment

- ◆ Subtitles may be displayed in one of a maximum of 32 languages available (multi-subtitles DVD only)
- ◆ Audio soundtrack can be heard in up to 8 languages (multi-languages DVD only).
- ◆ Multi-angle function allows you to choose the viewing angles of scene (for DVD with multiple camera angles only).

#### High quality digital audio

- ◆ The AC-3/MPEG2 audio/Linear PCM decoder is built into the player which makes it possible to have Multi-Channel Surround sound.

#### Other convenient features

- ◆ Parental lock settings to prevent playing unsuitable discs for some audiences (DVD only).
- ◆ A full function remote control provides quick access to DVD functions.
- ◆ 5.1CH or 2CH output.
- ◆ Video output modes: CVBS, YUV and YPbPr, Supports 16:9 wide screen mode.
- ◆ Compatible with both PAL and NTSC systems.
- ◆ Supports DTS decoding.
- ◆ Digital audio output: COAXIAL and OPTICAL output. Supports RAW (digital audio) and PCM.
- ◆ Input and Output for stereo (analogue).
- ◆ Programmed playback, bookmark, zoom in/out and rotation of JPEG pictures. Status memory for discs.
- ◆ Operate pictures interface
- ◆ Disc rating lock function



## Features

- ◆ Full function remote control.
- ◆ Intelligent software update.

### Compatible with PAL DVD and NTSC DVD

- ◆ This player can play discs recorded in either PAL or NTSC system. However, the player must be connected to a multi-system TV to play both PAL DVD and NTSC DVD. The use of a multi-system TV is recommended and set the video output of this player as AUTO in the video setup.

### Compatible with CD and DVD

- ◆ This player could play various discs such as DVD, CD (8cm/12cm discs).
- ◆ This player can play DIVX format movies such as DivX3.11, DivX4+, DivX5+  
**Note:** DIVX discs with bit rate above 1Mbps may not be played normally.

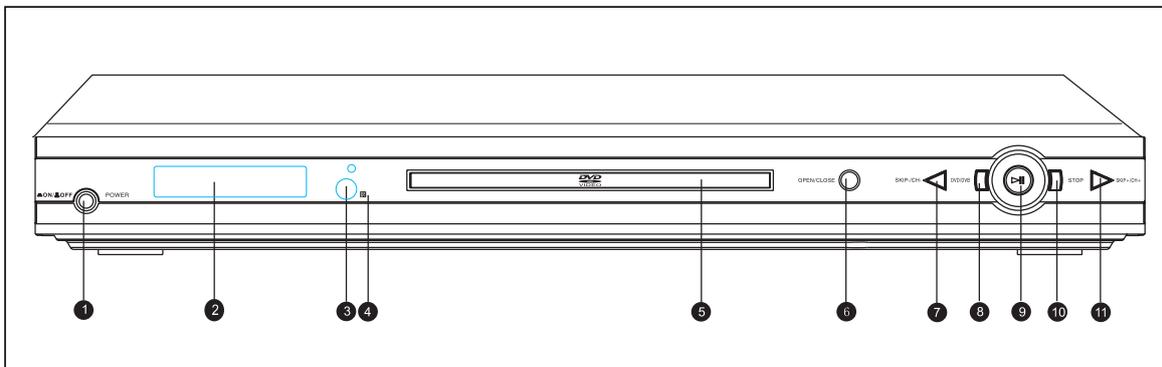
### DVB section

- ◆ MPEG-2 / DVB-T compatible
  - ◆ Bandwidth 7MHz or 8MHz optional
  - ◆ Electricity broken memory, resume automatically.
  - ◆ Multi-subtitle
  - ◆ Manual/Auto scan
  - ◆ Support OSD & VBI teletext
  - ◆ SCPC/MCPC compatible
  - ◆ Electron Program Guide (EPG)
  - ◆ User-friendly interface
- 

## ACCESSORIES

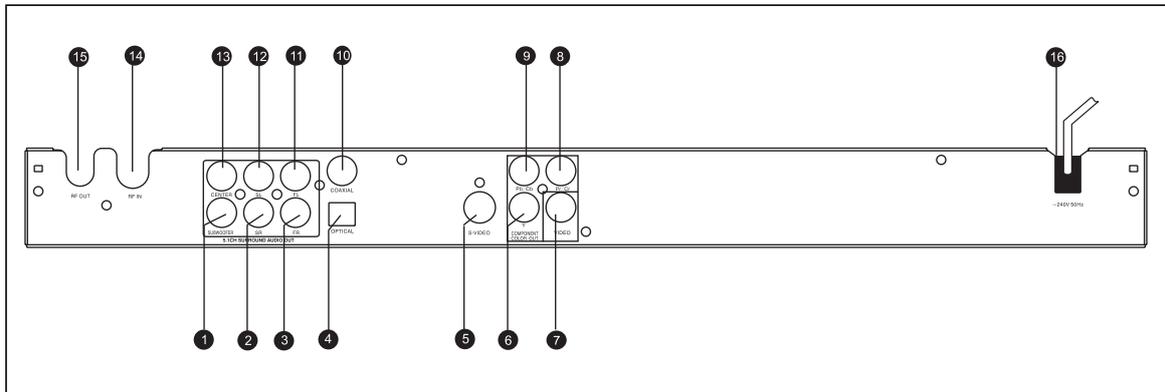
Remote control	one piece
Instruction Book	one piece
Batteries	two pieces
Customer Care Centre Sheet	one piece
3 Pin AV Cable	one piece

## Front panel reference



- |                          |                          |
|--------------------------|--------------------------|
| 1. Power button          | 7. SKIP-/CH- button      |
| 2. VFD display           | 8. DVD/DVB switch button |
| 3. STANDBY LED           | 9. PLAY/PAUSE button     |
| 4. Remote control sensor | 10. STOP button          |
| 5. Disc tray             | 11. SKIP+/CH+ button     |
| 6. OPEN/CLOSE button     |                          |

## Rear panel reference



1. 5.1 CH SUBWOOFER output jack
2. 5.1 CH SR output jack
3. 5.1 CH FR output jack
4. Optical output jack
5. S-video output jack only for DVD player
6. Chromatic aberration signal Y-axis output jack only for DVD player
7. Video output
8. Chromatic aberration signal Cr/Pb output jack only for DVD player
9. Chromatic aberration signal Cb/Pb output jack only for DVD player
10. Coaxial output jack
11. 5.1CH FL output jack
12. 5.1CH SL output jack
13. 5.1CH CENTER output jack
14. RFIN
15. RFOUT
16. AC power cord

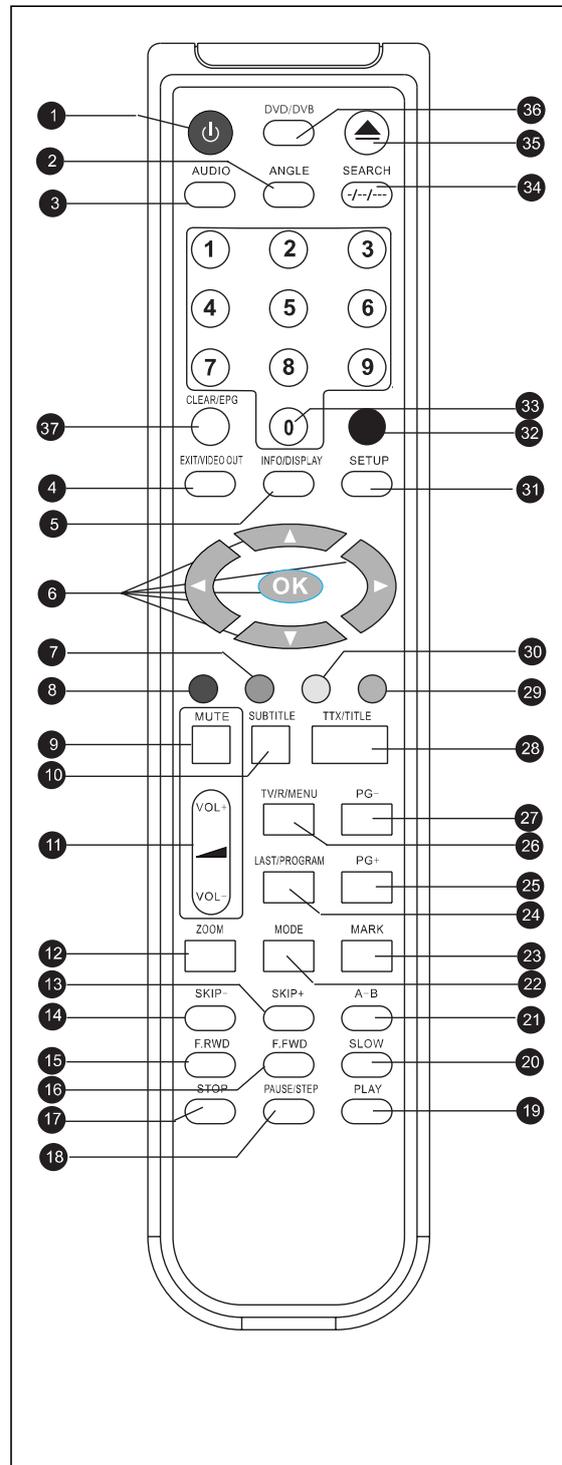
**Remarks:** For STB video output, only use video out put (yellow connector).

### NOTE:

Please unplug and keep the power cord orderly when the unit is idle for a long time in order to avoid electricity leak and shock resulted from scratched power cord.

## Remote Control Reference

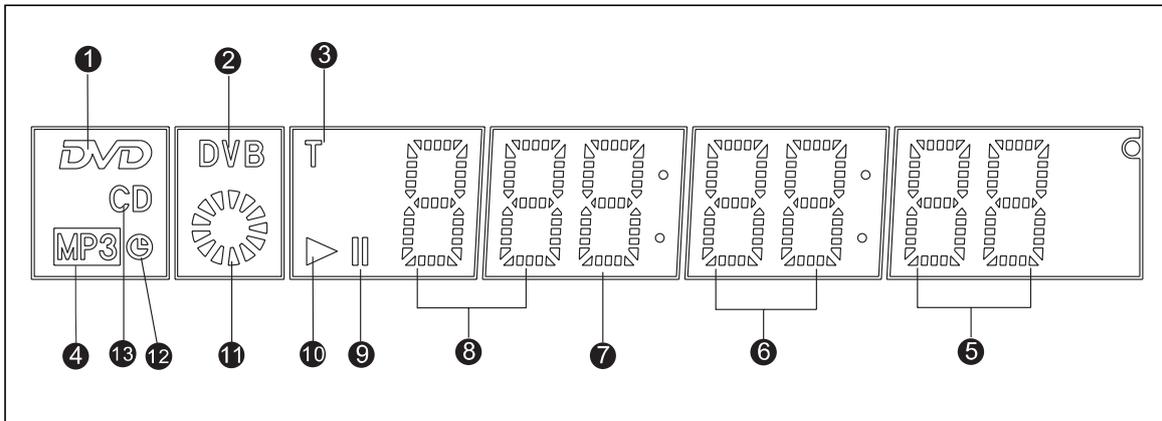
1. STANDBY button
2. ANGLE button
3. AUDIO button
4. EXIT/VIDEO OUT
5. INFO/DISPLAY button
6. ▲, ▼, ◀, ▶, OK buttons
7. GREEN button
8. RED button
9. MUTE button
10. SUBTITLE button
11. VOL+ / - button
12. ZOOM button
13. SKIP+ button
14. SKIP- button
15. F.RWD button
16. F.FWD button
17. STOP button
18. PAUSE/STEP button
19. PLAY button
20. SLOW button
21. A-B button
22. MODE button
23. MARK button
24. LAST/PROGRAM button
25. PG+ button
26. TV/R/MENU button
27. PG- button
28. TTX/TITLE button
29. Favorite Function button (BLUE)
30. Favorite Function button (YELLOW)
31. SETUP button
32. Favorite Function button (WHITE)
33. NUMBER (1-9, 0) button
34. SEARCH -/--/-- button
35. OPEN/CLOSE button
36. DVD/DVB button
37. CLEAR/EPG button



### NOTE:

1. The same buttons on remote control and front panel have the same function.
2. Favorite Function button , Please refer to the indication exact operation about the button.

## VFD reference



1. Shows when playing DVD discs
2. Shows DVB when the unit is at the DVB mode
3. Shows DVB-T
4. Shows MP3 when playing MP3
5. Shows second
6. Shows minute
7. Shows hour
8. Shows chapter/track number
9. Shows pause symbol when pausing the playback
10. Shows playback symbol
11. Shows rotating playback
12. Shows timer when timer is setup
13. Shows CD when playing CD discs

## BASIC CONNECTION

- ◆ Ensure that the power switch of this unit and other equipment to be connected is turned off before commencing connection
- ◆ Read through the instructions before connecting other equipment
- ◆ Ensure that you observe the color-coding when connecting audio and video cords
- ◆ Please use only one kind of connection with TV set for the unit and choose correct video output setting, otherwise there may be image distortion.

### DVD player part Connection

#### A: Connecting to TV set w/AV input jack

1. TV set (optional)
2. DVD/DVB-T Combo player
- 3.4. S-Video cord (optional), to S-Video input connector
- 5.6.7. Video/Audio cord (optional), to TV video/audio input connector
8. Power cord

#### B: Connecting to a stereo TV set

1. TV set (optional)
2. DVD/DVB-T Combo player
- 3.4. Audio cord, to TV audio input connector
5. 6.7. To the corresponding Y Pb/Cb Pr/Cr VIDEO IN jack on the TV. (green, blue, red).
8. Video cord, To TV video input connector

To get better viewing quality, you are advised using S-video cord to connect the TV set with CVBS input meanwhile changing the TV set to S-video input format. The TV set with Y, Cb, Cr input can get more clear picture and realistic image when it connects to Y, Cb, Cr output jacks of this player. The Video out setting must be set as YUV if you use Y, Cb, Cr output.

If your TV has "Y Pb Pr" function (progressive scan function), you can use this unit's progressive scan output by using Y Pb Pr output jacks & setting the player's VIDEO OUT as Y Pb Pr.

#### Note:

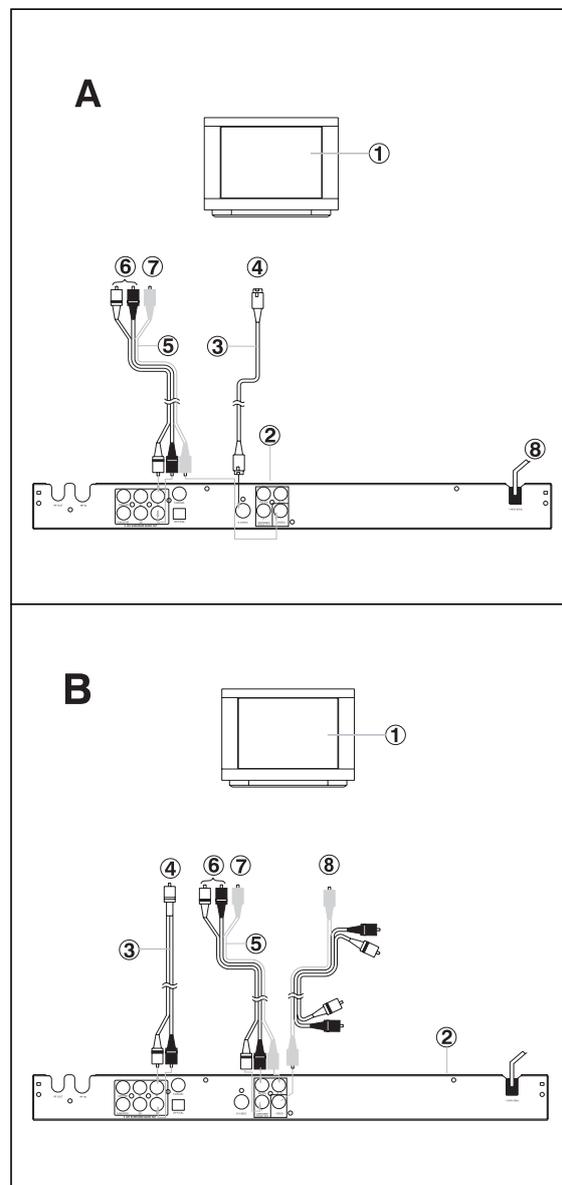
1. Choose below speaker size setting in the setting "Audio" menu if you use the TV speakers: Front: Large, Center/Rear/Subwoofer: Off. At this setting situation which is Stereo effect, the signal from Audio output L, R is the same as the FL & FR output, also same as the audio signal from Scart jack.
2. Only one kind of connection to TV set can be made. If your TV set doesn't support "Y Pb Pr" function, don't switch the VIDEO OUT to Y Pb Pr of the unit, otherwise there will be no pic-

ture output.

3. Consumers should note that not all high definition television sets are fully compatible with this product and may cause artefacts to be displayed in the picture. In case of 525 or 625 progressive scan picture problems, it is recommended that the user switch the connection to the 'standard definition' output.

#### Relative Setup

- ◆ When using 2ch output to connect TV or audio equipment, please set submenu of Analog Out under the menu of Audio Setup as 2 channels.



## BASIC CONNECTION

### C: Connection to audio system

1. DVD/DVB Combo Player
2. Audio system (optional)
3. Audio cords
4. Coaxial cable, to the audio system coaxial input connector
5. Optical cable, to the audio system optical input connector
6. To center audio input connector
7. To audio input connector (subwoofer, surround left, surround right, front left, front right).

Regarding the audio system connection to other unit, please kindly refer to the audio system instruction manual.

### Relative setup

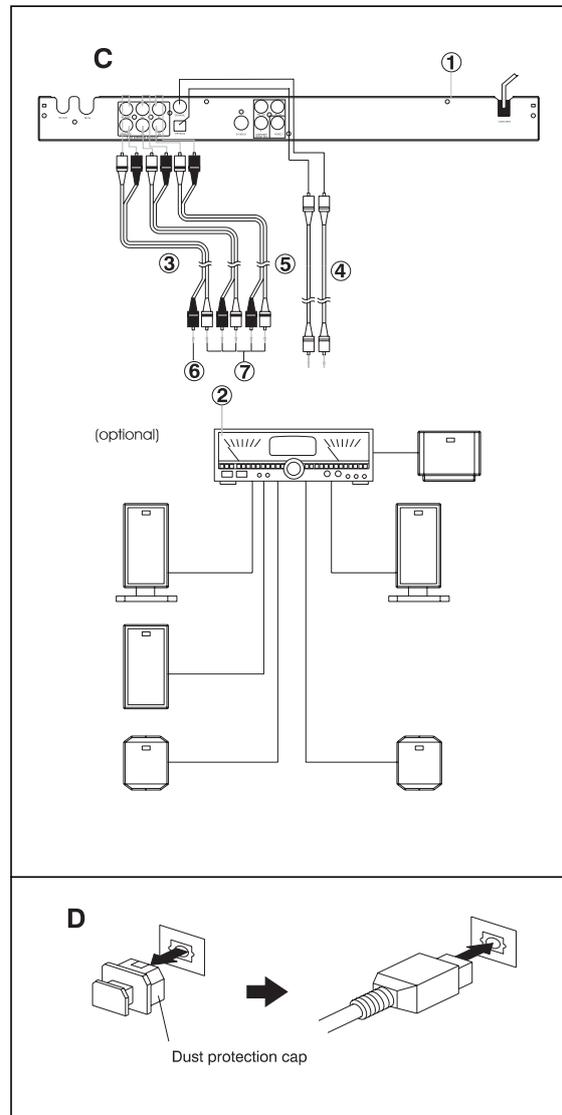
- ◆ According to your audio system, it is ok that you connect any of point 3/4/5.
- ◆ When using 5.1ch analog to connect the audio system, please set the submenu of analog out under the menu of audio setup as 5.1 channel

### Coaxial Digital Output Notice

- ◆ Do not connect this unit's coaxial digital output to the amplifier which does not have AC-3 or MPEG2. Otherwise it will cause extreme high level noise and damage to your listening.

### Optical Digital Output Notice

- ◆ Take out the optical digital output protective cap, and insert the optical cable into the unit's optical output hole and amplifier's optical input connector. Keep the protective cap well when non-use. Put the protective cap onto optical output in avoid of any damage to the eyes.





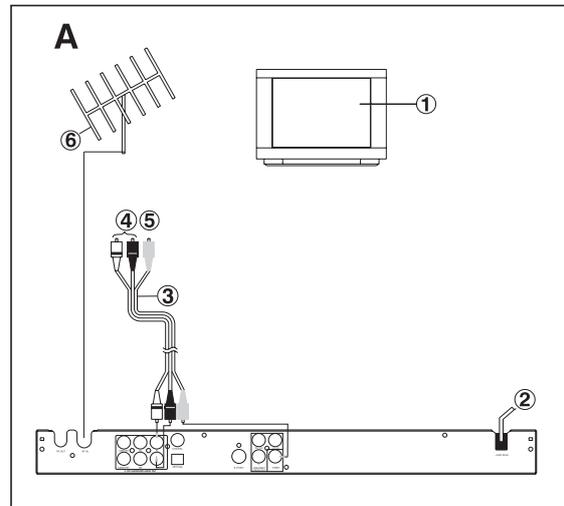
## DVB-T Connection Part

### A: Connection to TV and antenna

1. TV Set (optional)
2. Power cord
3. Video cable (optional)
- 4.5. Audio cords, to TV FL, FR audio input Connectors (optional)
6. Antenna (optional)

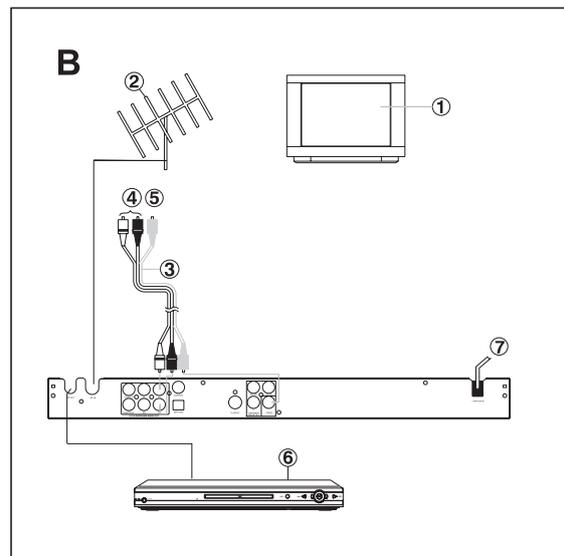
#### Note:

YPrPb and S-video output only for DVD player.



### B: Connection to TV and another DVB-T Receiver

1. TV set (Optional)
2. Antenna (Optional)
3. Video cable (optional)
- 4.5. Audio cords, to TV FL, FR audio input
6. DVD/DVB Combo Player (optional)
7. Power cord



## REMOTE CONTROL PREPARATION

### Battery Installation

Insert the batteries while observing the positive (+) and negative (-) polarities as Figure A

### Service life of batteries

- ◆ The batteries normally last for a year although this depends on the operation and on how often the remote control is used.
- ◆ If the remote control unit fails to work even when it is operated near the player, replace the batteries with new ones.
- ◆ Use size AAA UM-4 batteries (2 pieces)

### Notes:

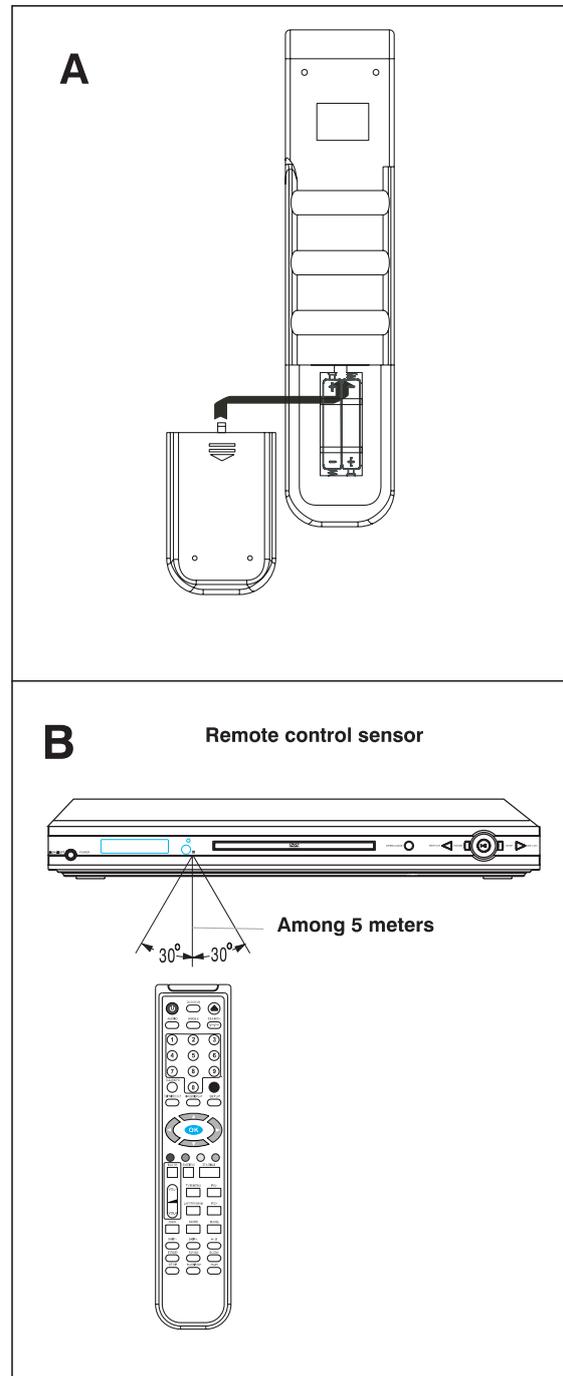
- ◆ Do not use rechargeable (Ni-Cd) batteries
- ◆ Do not attempt to recharge, short circuit, disassemble, heat or throw the batteries into fire
- ◆ Do not drop, step on the remote control, otherwise it may damage the parts or lead to malfunctioning
- ◆ Do not mix old and new batteries
- ◆ If the remote control is not going to be used for a long time, remove the batteries. Otherwise, electrolyte may leak and lead to malfunctioning or even burns by electrolyte
- ◆ Wipe away any electrolyte leaking inside the remote control, and install new batteries
- ◆ If the leaking electrolyte has contact with some parts of your body, wash it off thoroughly with water.

### Remote control operation range

- ◆ The operation range of the remote control is no more than 5m from and within about 60 degree of the front of the unit.(Figure B)
- ◆ The operating distance may vary according to the brightness of the room

### Note:

- ◆ Do not point bright lights to the remote control sensor
- ◆ Do not place objects between the remote control and the remote control sensor
- ◆ Do not use this remote control together with the remote control of any other equipment.



## OPERATION

### DVD PLAYER OPERATION PART

- ◆ The option of display language catalog is preset to English. Please refer to Setup operation
- ◆ Most of functions are operated by remote control. Either operation of remote control and front panel is effected when their buttons indicate the same function

### Preparation

- ◆ Turn the TV on and select AV as the TV input
- ◆ Switch on the stereo system power if the player has been connected to stereo system.  
**Note:** some of buttons will have double function. Please refer to DVB PART for those buttons with DVB operation function.

### STANDBY

When you press the buttons, the player will switch to Standby status. When pressed again, the player is returned to normal working status.

**Note:** should you not wish to use the player, please switch off the power by pressing the power button

### DVD player playback operation

This unit default status is DVB status. Please kindly push DVD/DVB button to switch into the DVD status.

### PLAY

1. Push power button on the unit, and it displays LOAD on the VFD which indicates normal power supply.  
(**Note:** The disc information appears after several seconds if there is a disc after LOAD displayed otherwise appears NO DISC)
2. Press OPEN/CLOSE button to open disc tray. OPEN will be indicated on the left upper of TV screen.
3. Place a disc (8cm or 12cm) into the tray. (For one-sided disc, position it with printed title side facing up. For two-sided disc, position side to be playback facing down)
4. Press OPEN/CLOSE again to close disc tray. CLOSE will display on the left upper of TV screen, then shows "Reading" and "Loading" will display on the VFD screen.
5. Press **PLAY** to playback disc. You may operate according to MENU indication after MENU shows on the screen then press OK button to playback. Some discs can play automatically after loaded.

### STOP

Press **STOP** button to stop playing. When playback is stopped, the unit records the point where STOP was pressed (RESUME function). Press

PLAY again, and play will resume from this point. Press **STOP** button twice, RESUME function will be cancelled. RESUME function is suitable for discs showing playing time during playback. DivX discs have no such function.

### SKIP-/SKIP+

Press **SKIP-/SKIP+** button on remote control during playback. A chapter (DVD) or a track (CD) is skipped back or ahead correspondingly each time the button is pressed.

**Note:** SKIP-/+ buttons works as Page down/up in MP3/DivX/JPEG CD playing menus.

### F.FWD/F.RWD

Press **F.FWD/F.RWD** button on the remote control during playback and the unit will enter fast forward/reverse status. There are 4 speeds of fast forward (reverse) available: x2, x4, x8, x20. To return to normal play, press **PLAY** button on player or remote control again.

#### **Note:**

1. Some discs have no such function.
2. For DIVX discs, if the played file is too small, the speed levels of fast forward (reverse) will only have x2 or x4.

### SLOW

Press **SLOW** button on the remote control during playback and the unit will enter slow forward/reverse status. There are 4 speeds available: 1/2, 1/4, 1/6, 1/7. To return to normal play, press **PLAY** button on player or remote control again.

**Note:** Some discs have no such function

### PAUSE/STEP

Press **PAUSE/STEP** button during playback, the player will enter pause mode. If the button is pressed again, the disc is advanced by one frame (step). When the button is kept pressed, consecutive frame advance works. To return to normal play, press **PLAY** button.

**Note:** Some discs have no such function.

**NOTE:** During the playing of the introduction of a movie, PAUSE/STEP, F.FWD, F.RWD, SLOW, SKIP-/SKIP+ may be ineffective.

### NUMBER (0-9, 0/10 button)

Press Number (0-9, 0/10) button and press OK button allows you to directly access any desired track while a disc is playing.

**Note:** Some discs have no such function.

### MUTE

Press **MUTE** button during playback, the player shows mute picture and there is no audio output

## OPERATION

(silence), press again to cancel **MUTE**. And pressing **VOL+** or **VOL-** can cancel **MUTE** also.

### **VOL+/VOL-**

Press **VOL+/VOL-** button during playback may change volume for audio output

#### **Note:**

1. The volume is set as largest initially.
2. **VOL+/VOL-** button will lose function when using this digital output.

### **DISPLAY**

Press **DISPLAY** button during play to show the disc's relevant information on TV screen.

### **ZOOM**

Press **ZOOM** button during playback or pause to zoom up the current picture. There are 3 levels of zoom available (x1, x2, x3). Press continuously to **Q** off to resume normal playing.

**Note:** Some discs have no such function or have only x1 or x2.

### **A-B REPEAT**

Press **A-B** button during playback at the point where repeat play is to commence (a) then press again at the point where repeat play is to be concluded (B). Repeat playback between point (A) and point (B) starts.

Press **A-B** button once more where TV screen appears "REP OFF"

**Note:** Some DVD discs and all MP3, DIVX discs have no such function.

### **MODE**

Press **MODE** button during the playing to choose different **REPEAT** modes.

Under DVD discs playback status, there are three options available: Chapter/Title/Off.

Under CD discs playback status, there are three options available: Single/All/Off.

**Note:** Some discs and cards have no such function.

### **ANGLE**

Press **ANGLE** continuously during playback of DVD disc to toggle the disc between available angles recorded on the disc if the disc has multi-angle function.

### **AUDIO**

Press **AUDIO** button during playback to toggle between available audio languages recorded on the disc if the disc has this multi-language function.

**Note:** Press **AUDIO** button could toggle available audio language soundtracks.

### **PROGRAM**

Press **STOP** button first then press **PRG** button, the program playback screen appears on the TV set. 12 tracks (CD) or chapters (DVD) can be programmed. Use **NUMBER** button to input your preferred track (CD) or chapter (DVD) when the blue cursor flashes on the position1. **Note:** When programming a DVD disc, you must input title number ahead of ":" and chapter number after it. It is invalid to input the number larger than available. Then press direction button (UP, DOWN, LEFT, RIGHT) down to remove blue cursor to position 2. Use the same procedure to program your preferred track or chapter. Use **CLR** button and enter a new number to amend false or unsatisfied program through direction button. After you have selected all your preferred title/chapter(s) or track (s), press **OK** button or just press **PLAY** button to start program play.

#### **Note:**

1. Some discs have no program function.
2. No Search function during programming playing.

### **MARK**

Press **MARK** button on remote control while the disc is playing and the menu of mark setting with bookmarks will appear on the screen. Press "OK" button to set the playing times where you would like to view as mark. Once mark were set, press **OK** button to play from the mark. Press "CLR" button to clear a particular mark .A maximum of three marks can be stored.

#### **Note:**

1. All the marks are cleared when the power is off or the disc is removed.
2. Some discs including MP3, JPEG, DivX have no such function.

### **VIDEO-OUT**

This button provides you easy access to this unit's video output without need to enter **SETUP** menu. Press continuously, it changes to following output signals in turn: CVBS, YUV, YPbPr.

### **SEARCH**

When you play a DVD disc, press the "SEARCH" button and "Time/Title / Chapter" will appear on the screen. Use the number buttons/direction button to set chapter or title. Press the **OK** button to start playing from the selected point. Press **SEARCH** button once again, it will cancel **SEARCH** playback.

**Note:** Some discs have no search function.

## OPERATION

### TITLE (DVD only)

For DVD discs, press TTX/TITLE button on remote control during playback, a list of titles of the disc (depends on discs) will be displayed on TV set. Use direction button or number button to select your preferred title then press "OK" button to confirm and start playing from the selected point.

### MENU

Press TV/R/MENU button on remote control during playback discs, a list of menus on the disc (depends on discs) will be displayed on TV set. Use direction or number button to select your preferred items then press OK button to confirm and start playing from the selected point. (DVD discs only)

### SUBTITLE

Press SUBTITLE button on remote control during playback. "Subtitle: [1]" will be displayed on TV set that means a kind of language. Press once more, "Subtitle: [2]" appeared on TV set means another kind of language and accordingly subtitles appear that represents how many kinds of language being selected. "Subtitle: [OFF]" appears that toggle subtitle.

**Note:** This function is valid for DVD discs with multi-subtitle only.

### CLEAR

When setting a program or searching, you need to input a number. Press CLR button to clear the number when the input number is incorrect.

### DVD/DVB

Press DVD/DVB button to switch the working status between DVB and DVD.

**Note:** this unit's default working status is DVB.

### SETUP

Press SETUP button on the remote control and access to setup interface. Then you can setup the menu of Language Setup, Screen Setup, Audio Setup and Custom Setup. Use direction cursor to highlight the option, press the OK button to enter the next level setup interface.

### Playback MP3/JPEG /DivX/JPEG

MENU	
Main window	Folder / file list window
Mode	Folder normal

**Note:** some characters of folder/file names may not be displayed normally.

### 1. Playback Menu

Main root: Use direction button to select the submenu, and press OK button to enter the file you prefer.

In the submenu press Left button to return to previous menu; You must press STOP button to return to menu interface when playback the current tracks or pictures.

### 2. Playback Mode

Press STOP button and use direction button "▶" to select play mode When MP3, JPEG, WMA, DIVX discs are playing status. Then press SELECT button to shift 9 modes: NORMAL FILE MODE, REPEAT FILE, BROWSE DISC, NORMAL DISC MODE, REPEAT DISC, SHUFFLE MODE, START PROGRAM, PLAYBACK SINGLE SONG, REPEAT SINGLE SONG. After selected play mode, then pressing ▲ to select tracks, it will be play when pressing PLAY or SELECT button again

**Note:** Press F.FWD/F.RWD is invalid When select file or playing tracks, pictures, pressing SKIP+./- can up or down to play the tracks, but it is invalid for the main menu.

### 3. Playing MP3, DIVX,

No search, F.FWD/F.RWD, bookmark function when playing MP3, DivX discs; Use the number button directly select the tracks to playback.

### 4. Playing JPEG disc

After enter to JPEG pictures mode from play menu, there are some operations as below:

Press TITLE button to browse with 9 pictures.

Press SKIP+ button to play the next picture

Press SKIP- button to play the previous picture

Press PAUSE/STEP button to pause playing, and pressing the PLAY button to continue playing.

Pressing ZOOM button enter to zoom pictures, its have 6-levels available: 4/3, 3/2, x2, 1/2, 3/4, OFF.

Press ANGLE/Direction button (up, left, right) can rotate the pictures, its there are 4-levels are available: NORMAL/90/180/270.

Press Direction button to rotate the picture 180 degree with clockwise.

**Note:** The reading time of JPEG picture CD formatted discs may vary due to the level of content. Please allow more time for highly formatted discs.

## DVD PLAYER Setup Interface

### Menu, Submenu and Options SHEET

Menu	Submenu	Options	Description
Language	OSD Menu	English	English On Screen Display
		French	French On Screen Display
		Spanish	Spanish On Screen Display
	Subtitle	English	English subtitle
		French	French subtitle
		Spanish	Spanish subtitle
		Auto	Automatically Display Subtitle
		Off	Turn off the subtitle
	Audio	English	English audio language
		French	French audio language
		Spanish	Spanish audio language
	DVD Menu	English	English DVD menu
French		French DVD menu	
Spanish		Spanish DVD menu	
Video	Screen Format	4:3 Letter Box	Set TV screen at 4:3 Letter Box
		4:3 Pan Scan	Set TV at screen 4:3 Pan Scan
		16:9	Set TV at screen 16:9
	TV System	NTSC	Set TV system as NTSC
		PAL	Set TV system as PAL
		Auto	Let TV choose system automatically
	Video output	CVBS	Set video output as CVBS
		YUV	Set video output as YUV
		Y Pb Pr	Set video output as Y Pb Pr
Audio	Front Speakers	Large/Small	Large means full frequency speaker; SMALL means medium high frequency speaker which can not perform ultra low frequency. Please choose the right setting as per your speaker characteristic & your preference. When you connect this player to your TV set, which is so-called DOWNMIX stereo effect, please set Front as LARGE and Center, Surround, subwoofer as OFF; otherwise it will not be audible or only very quiet.
	Center Speaker	Large/Small/Off	
	Surround Speakers	Large/Small/Off	
	Subwoofer	On/Off	
More Aud	Pro Logic	On	Turn on the Pro logic function
		Off	Turn off the Pro logic function
	Digital Out	PCM	Output digital signal in PCM
		Raw	Output Raw digital signal
		Off	Turn off AC-3 5.1 output
	Pink noise	OFF/Left/Center/Right/ Left Surr/Right Surr/Subwoofer	Test respective speaker output
	CNTR CTRL	0,1,2,3,4,5 ms	Adjust the center control within 0-5ms
REAR CTRL	0,3,6,9,12,15 ms	Adjust the rear control within 0-15ms	
Parental	Password	_____	Input number by users and confirmed by OK button
	Rating	G	General Audiences (All Ages Admitted)
		PG-13	Parents Strongly Cautioned, Some material may be inappropriate for children under 13
Adult		For adult only	

## OPERATION

### DVB Operation Part:

#### Fast installation operation:

Connect this unit and other equipments according to "BASIC CONNECTION"

1. Power on the POWER switch on front panel.
2. Press SETUP button, then enter into the SETUP menu, restore the factory setup. (You should operate this item if this unit is used for the first time or the software has been upgraded.)
3. Enter into the SCAN menu, Scan Type and choose AUTO SCAN, press OK button to start automatically scan.
4. After scanning, use ▲ ▼ button to choose a program channel.

See the following instructions for the details.

### Main operation:

#### Remote control operating instruction:

- ◆ **EPG:** Press CLEAR/EPG button to show the EPG information of the current service (if the current service support).
  - ◆ **TTX:** Press TTX/TITLE button to show the teletext information of the current service (if the current service support).
  - ◆ **SUB:** Press this button to change different languages on the screen (if the current service support). If you want to turn off the subtitle, please press this button again.
  - ◆ **INFO:** Press INFO/DISPLAY button to show the information of the current service
  - ◆ **TV/R:** Press TV/R/MENU button to turn on or off TV/R channels.
  - ◆ **RED, GREEN, YELLOW, BLUE, WHITE:** these buttons are used for the function operation.
  - ◆ **LAST:** Press LAST/PROGRAM button to return to the last service
  - ◆ **AUDIO:** Press this button to change different languages and shift the audio channel between Stereo/Left channel/Right channel
  - ◆ **MUTE:** Press this button turn on or off mute.
  - ◆ **STANDBY:** Press this button to enter to STANDBY status, press again to return to working status.
  - ◆ **—/—:** Press "SEARCH/—/—" button can select the channels in the service list. If press this button and will appear "—", then press the number button to input "365" and enter to the 365<sup>th</sup> program, if appear "—" on the screen and use number button input "65", then enter to the 65<sup>th</sup> program.
  - ◆ **PG-/+:** Press this button can PG-/PG+ in the service list to select the preferred program.
- Menu operation Note: As ► icon appear on the menu item, you can press ► button on the remote to pop option box and press ▲ ▼ button to highlight the option item, then press OK button to confirm. Press ◀ button to exit option box without changing option item.

## 1. Main Menu

Press Setup key to show the Main Menu on the screen. There are 4 menu items:

- ◆ Service
- ◆ Scan
- ◆ Setup
- ◆ EPG



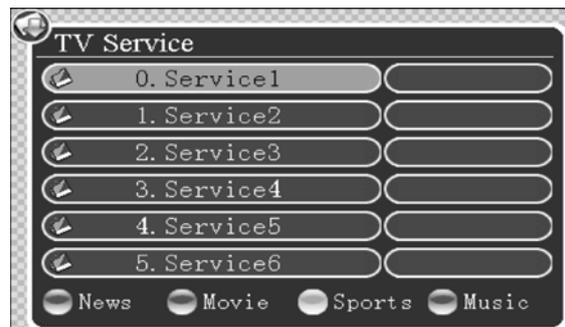
Press Left/Right button to select a menu item, press OK button to confirm it and enter into this Sub-menu. Press EXIT/VIDEO OUT button to return to the Main Menu.

**Note:** Press EXIT/VIDEO OUT button can return to the previous menu from the current menu, press this button repeatedly, you can exit from the Main Menu.

## 2. Service

Service window shows the service list. Press TV/R/menu button to shift service list between TV and radio. Press **Pg+ / Pg-** button to page the channel pages up/down. There are maximum 600 channels can be stored.

Press ▲ / ▼ button to choose the service, then press OK button to play the service and the service information is displayed in the service information box.



## OPERATION

### 2.1 Service add to favor

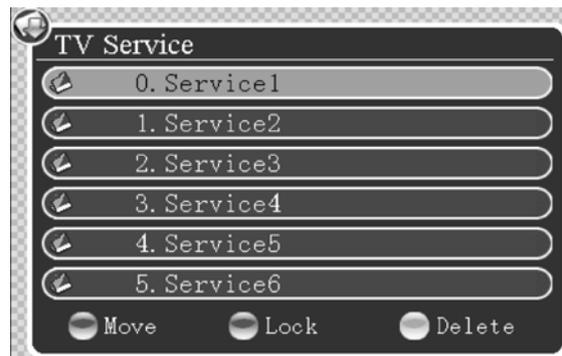
Four color button on bottom of service window are defined as favor list button: News (red) Movie (green) Sports (yellow) Music (blue).

Press ▲ ▼ button to choose the service, press color button to add the service to favor list accordingly and the color favor icon is showed on the right. Press the color button to remove the service from the favor list and the color favor icon disappear.

When no menu displayed on the screen, press color button to show the service favor list accordingly. Press the red button to move the chose favor service: press ▲ ▼ button to choose the service, press red color button to focus and use ▲ ▼ button to move the service up/down, press OK button to confirm.

### 2.2 Service Edit

When no menu displayed on the screen, press OK button to show the service list. Three color button on the bottom of window is defined as service edit button: move (white) lock(green) delete (yellow).



Press white color button to move the service: press ▲ ▼ button to choose the service, press red color button to focus and use ▲ ▼ button to move the service up/down, press OK button to confirm.

Press green color button to lock the service: press ▲ ▼ button to choose the service, press green color button and input the correct PIN CODE using the digit button, press OK button to confirm. The icon  is appeared on the corresponding channel, if you want to cancel the Lock, press green button again and input the correct PIN CODE, the service is unlocked and icon  will disappear. The default password is "0000".

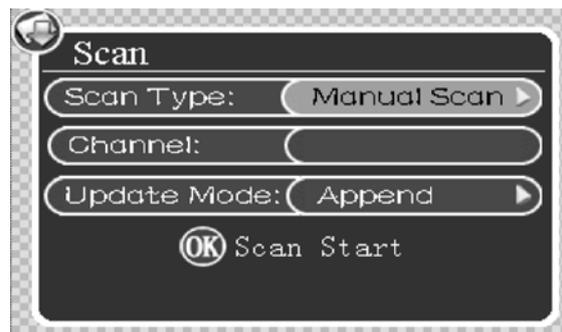
Press yellow color button to delete the service: press ▲ ▼ button to choose the service, press yellow color button to pop the message box of *delete?*, press OK button to confirm it, or press EXIT/VIDEO OUT button to cancel it and exit.

## 3. SCAN

You can scan the channel in the SCAN submenu. SCAN type: Manual Scan, Auto Scan, NIT Scan Channel: use the digital button on the remote control to input the channel number.

Update mode: Append, Replace If you select Append, the new channel will be appended to the last of the channel list. Note: The new channel is that not in the channel list before.

If you select Replace, all of channels will be replaced by new channels.



### 3.1 Manual Scan

Select Manual Scan, input the proper channel number, and choose a proper Update mode, press OK button, the screen shows Message Box of *please wait...* and begin to scan. You can press EXIT button to exit.

The screen shows **N service found** when the scan has been finished (N means the number of the scanned channels). Press EXIT/VIDEO OUT button to exit.



## OPERATION

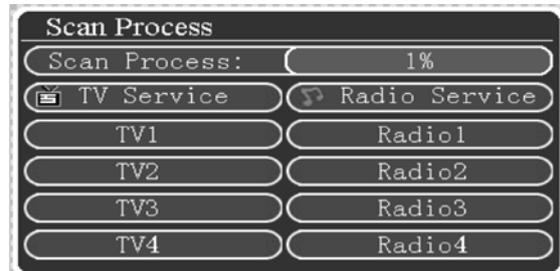
### 3.2 Auto Scan

Select Auto Scan, choose an Update mode, press OK button, the screen shows Message Box of **Scan Process** and begin to scan. You can press EXIT/VIDEO OUT button to exit.

**Note:** When select Auto scan, service number can not setup, and the system will automatically scan.

The Message Box of **Scan Process** shows the percentage of the scan process, TV channels and radio channels have been displayed in two columns.

The screen shows **N service found** when the scan has been finished, press EXIT/VIDEO OUT button to exit.



### 3.3 NIT Scan

Select NIT Scan, input the proper channel number, and choose a proper Update mode, press Ok button, show the Message Box of **Please wait...** and begin to scan. You can press EXIT/VIDEO OUT button to exit.

The Message Box of **Scan Process** shows the percentage of the scan process, TV channels and radio channels have been displayed in two columns.

The screen shows **N service found** when the scan has been finished, press EXIT/VIDEO OUT button to exit.

**Note:** Please don't power off immediately after SCAN.

## 4. Setup

There are 8 submenus:

- ◆ AV Setup
- ◆ Language Setup
- ◆ Time Setup
- ◆ Password Setup
- ◆ LCN Setup
- ◆ Factory Restore
- ◆ Booking List
- ◆ Version



### 4.1 AV Setup

There are following submenus under the AV setup:

**TV Shape:** 4:3 Letter Box/ 4:3 Pan& Scan/4:3 FullFrame /16:9  
**Audio Track:** Stereo/ Left/ Right

### 4.2 Language Setup

Language setup menu:

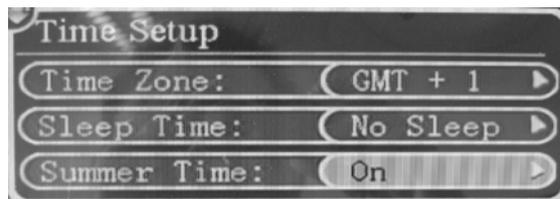
**Menu:** English/Français/Español  
**Subtitle:** English  
**Audio:** English  
**TeleText:** English

### 4.3 Time Setup

**Time Zone:** GMT - 11 ~ GMT + 1

**Sleep Time:** No Sleep/ 5 Mins/ 10 Mins/ 20 Mins/ 30 Mins/ 60 Mins

Choose a Sleep Time, press OK button, the unit start to count, when count to the Sleep Time, the unit will enter sleep status.



## OPERATION

**Note:** When turn Off the unit and press STANDBY button enter to standby status, set up to sleep time is invalid.

### 4.4 Password Setup

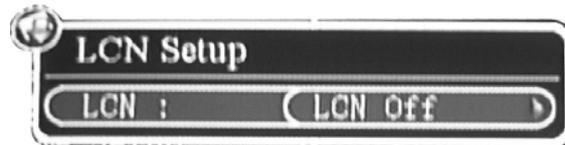
Use the digital buttons to input the old password, then input a new password, retype the new password, press OK button, then the new password has been enable.



### 4.5 LCN Setup

Choose this item to setup the On / Off status of LCN.

If choose On, the system shall automatically list the channels in a natural order according to the signal flow; and If choose Off, the system shall automatically list the channels in their usual order. Push OK button to confirm and Exit button to cancel the operation.



### 4.6 Factory Restore

Choose Factory Restore, press OK button, the screen shows Message Box of **factory restore**, press OK button to confirm it, press EXIT/VIDEO OUT button to exit.

You must restore the factory setup if this unit is used for the first time or the software has been upgraded.

### 4.7 Booking List

Choose Booking List and press OK button to enter the Booking List, the screen shows Program information:

Channel number, Channel list, Play time, Event time.



Press ① number button can remove the selected booking program.

### 4.8 Version

Choose version, press OK button and show the software version, press OK to exit.

## 5. Electronic Program Guide (EPG) At present not available in Australia

Select EPG under the Main Menu to enter into EPG menu,

Use ◀▶ button to select event, use ⬆ button to browse, use ① button to book a program. Press OK button to show the detail information. Press EXIT/VIDEO OUT button to exit.

The booked program list will be displayed on the Booking list in the Setup menu.



## SETUP

Main Menu	Sub-Menu	Option	Description		
Service	TV Service/Radio Service	TV/Radio	TV/Radio		
		Lock	Lock the service		
		Move	Move the service		
		News (red)	Favor : News		
		Movie (green)	Favor : Movie		
		Sports (yellow)	Favor : Sports		
		Music (blue)	Favor : Music		
Scan	Scan Type	Manual Scan	Manual Scan		
		Auto Scan	Auto Scan		
		Nit Scan	Nit(Net Information table) Scan		
	Channel	Channel			
	Update Mode	Append	Append		
		Replace	Replace		
Setup	AV Setup	TV Shape	4:3 Letter Box	4:3 Letter Box	
			16:9 Pan & Scan	16:9 Pan & Scan	
			4:3 FullFrame	4:3 FullFrame	
			16:9	16:9 Full Frame	
	Audio Track	Audio Track	Stereo	Stereo	
			Left	Left track	
			Right	Right track	
	Language Setup	Menu	English	English	
			Français	French	
			Español	Spanish	
	Time Setup	Time Zone	GMT-11~GMT+11	Time Zone	
		Sleep Time	Sleep Time	No Sleep	No Sleep
				5 Minutes	5 Minutes
				10 Minutes	10 Minutes
				20 Minutes	20 Minutes
				30 Minutes	30 Minutes
				60 Minutes	60 Minutes
	Summer Time	Summer Time	Off	Set Summer Time as Off	
			On	Set Summer Time as On	
	Password Setup		Password Setup		
LCN Setup	LCN Off	Set LCN as LCN Off			
	LCN On	Set LCN as LCN on			
Factory Restore		Factory Restore			
Booking List		Booking List			
Version		Version			
EPG	Events	Events			
	Browse	Browse			
	Booking	Booking			
	Detail	Detail			
	Exit	Exit			

## FOR REFERENCE ONLY

### ◆ Maintenance

Be sure to turn the unit off and disconnect the AC power cord before maintaining the unit.

Keep the unit clean. If the surfaces are extremely dirty, wipe the unit with a dry soft cloth. Never use alcohol, benzene or other chemicals. Do not use compressed air to remove dust. Ask the technician to maintain the unit when problems appear.

### ◆ DEFINITION OF TERMS

#### DVB MPEG-2

DVB is the abbreviation of Digital Video Broadcasting, which is a standardization group. DVB-T corresponds to the type of transmission (T=Terrestrial). MPEG is the abbreviation of Moving Picture Experts Group, a working group which defines international standards for audio and video digital compression. The MPEG 2 standard applies to the compression of digital TV signals.

#### Subtitles

There are the printed lines appearing at the bottom of the screen which translate or transcribe the dialogue. They are recorded on DVD discs and up to 32 languages.

#### FEC

FEC stands for Forward Error Correction, used to correct signal transmission faults between antennas and your receiver.

#### PID

The PID code (Packed Identification) is the identification number of audio and video signals in the digital data flow of DVB MPEG-2 signals. With this code, the receiver transmits audio and video signals to a specific address. The PCR PID code is the identification code of the synchronization symbol. It is usually the same as the Video PID.

#### ANGLE

Recorded onto some DVD discs are scenes, which have been simultaneously shot from a number of different angles (i.e. the same scene is shot from the front, left side and right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

### CHAPTER NUMBER

These numbers are recorded on DVD discs. A title is subdivided into many sections. Each of them is numbered, and specific parts of video presentations can be searched quickly using these numbers.

#### DVD disc

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG2) and high-density recording technology, DVD enables esthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

#### Subtitles

These are the printed lines appearing at the bottom of the screen, which translate or transcribe the dialogue. They are recorded on DVD discs and up to 32 languages.

#### Audio

Language recorded on discs and the maximum languages are up to 8.

#### Time

This indicates the play time elapsed from the start of a disc or a title. It can be used to find a specific scene quickly (it may not work with some discs). Title Number These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

#### Track Number

These numbers are assigned to the tracks, which are recorded on audio CDs. They enable specific tracks to be located quickly.

#### RAW

The original DTS, AC-3 5.1 signals non-decoded. If users choose "RAW" as audio setting, they must connect a decoder to decode those original audio signals.

## FOR YOUR REFERENCE

### Specification

**Power requirement** : ~240V,50Hz  
**Power consumption** : ≤ 28W  
**Operating temperature range** : 0~+40°C  
**Operating humidity range** : 5~90% (no condensation)

### DVD PART:

#### Disc played:

##### 1. DVD-video disc

- ◆ 12cm single-sided, single-layer
- ◆ 12cm single-sided, double-layer
- ◆ 12cm double-sided, double-layer (single sided)
- ◆ 8cm single-sided, single-layer
- ◆ 8cm single-sided, double-layer
- ◆ 8cm double-sided, double-layer (single sided)

##### 2. CD-AUDIO, DVD-VIDEO, CD, HDCD, DTS-CD, MP3, DIVX, JPEG disc

- ◆ 12cm disc
- ◆ 8cm disc

### Video output:

- ◆ **Output level** :  $1 \pm 0.2V_{p-p}$  (75Ω)
- ◆ **Horizontal resolution** : ≥ 500 lines

### Video, Audio code

- ◆ **Video decode** : ISO/IEC13818-2 MPEG2 (MP@ML) Compatible
- ◆ **Video resolution** : 720 × 576
- ◆ **Video code rate** : 15Mbit/s Max.
- ◆ **S/N ratio** : ≥ 56dB

### Audio output (Impedance: 10k ohm):

- ◆ **Output level** :  $1.8+0.2/-0.8V_{rms}$  (1KHz 0dB)
- ◆ **Harmonic distortion** : ≤ -65dB (JIS-A 1KHz, typical)
- ◆ **Dynamic range** : ≥ 80dB (JIS-A 1KHz, typical)
- ◆ **S/N ratio** : ≥ 90dB (JIS-A 1KHz, typical)

### Digital audio output:

- ◆ Coaxial output
- ◆ Optical output

### DVB-T PART:

#### ◆ High Frequency

##### Input Frequency Range :

174 ~ 230MHz; 470 ~ 862MHz VHF&UHF

**IF Bandwidth** : 7 or 8MHz

**Input Signal Level** : -72 ~ -20dBm

**RF Input Connector** : IEC169 - 2 type, Female

**RF Output Connector** : IEC Type, male

**Input impedance** : 75Ω

#### ◆ De-module Mode

##### Waveform :

COFDM (Code Orthogonal Frequency Division Multiplexing)

**Demodulation** : QPSK, QAM16, QAM64

**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

**Teletext** : support DVB-TXTETS/EN300472

**Audio decode** : ISO/IEC13818 - 3

**Audio Track** : Stereo, Left ch, Right ch.

**Audio Sample rate** : 32, 44.1, 48KHz

Weight and dimensions are approximate

Specifications are subject to change with or without notice.

## FOR YOUR REFERENCE

### Troubleshooting

Check the chart below for a possible cause of the problem you are experiencing before requesting service for this unit. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation. Let the technician maintain the unit.

Keep away from static electricity properly before maintenance as loader, key IC are easy to be damaged by it.

Trouble	Possible Cause	Suggested Solution
No power	The power cord has not been connected or the pin does not plugged well	Plug the power cord into the power outlet tight and turn on the power, if no power either, turn off the power again, and turn on the power in 5-10 minutes.
Can not scan program	The antenna is not adjusted well	Adjust the antenna or use an outdoor antenna
	Use antenna incorrectly	Use an antenna with 75 $\Omega$ impedance input
	Parameter input incorrectly	Input Frequency, Bandwidth parameter correctly
No picture	Output cord connect incorrectly	Connect the output cord correctly
	The video output mode of the unit is different from the mode of monitor	Reset the working mode
No color	Output cord connect incorrectly	Connect the output cord correctly
	The video output system of the unit is different from the mode of monitor	Reset the working system
Image distortion from a channel to the another or during fast forward or reverse	normal	
The RCU is not working	Insert battery incorrectly	Insert the battery correctly
	Battery exhausted	Change the battery
	The operating distance is too far or the operating angle is too large.	Operate within a permit range
	The remote control sensor is pointed by bright lights	Place the unit in another place
Audio sound and subtitle language is not the chosen items	Has not choose the sound channel correctly	Press the Audio button to shift the channel
No sound	Is in a mute status	Cancel the mute
	Volume is set in a low level	Augment the volume
	Connect cable incorrectly	Connect the cable correctly
No sound suddenly	There will be a short Circuit	Connect output cable correctly, and reopen the unit
	In a mute status	Cancel the mute
	Enter sleeping status	Reopen the unit
Serious distortion and can not receive smoothly	Serious interferential signal	Adjust the antenna.
Cannot read disc	1.Disc access time within 10-20 seconds 2.The disc is scratched or defiled 3.The code of disc is different from the code of unit 4.PAL to NTSA error	1. normal 2. change disc 3.change the disc 4.Set video output as AUTO
No 4:3 or 16:9 picture	Wrong TV sharp setting.	Choose the correct setup at TV SHAPE item that matches the TV set.
Can not change angle	This function depends on software availability. Even if a disc has a number of angles recorded, these angles may be recorded for specific scenes only.	
Forget password	While the unit is in the stop mode, enter the setup mode and 8888 for the password to unlock parental setting.	