

SAFETY PRECAUTIONS



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



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



The symbol for CLASS II (Double Insulation).

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE, AS DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

CAUTION: When replacing the direct plug in power supply or a separable, cord-connected power supply, the replacement must be exact duplicate, or one recommended by the manufacturer

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

This Digital Video Disc player employs a laser System.

Use of controls, adjustments or the performance of procedures than those specified may result herein hazardous radiation exposure. To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser may radiate when the cabinet is opened or the interlocks are defeated.

DO NOT STARE INTO BEAM.

SAFETY PRECAUTIONS



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



Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. Copyright 1992-1997 Dolby Laboratories. All rights reserved.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

DO NOT REMOVE THE CABINET COVER OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1. Read these manuals

After unpacking this product, read the manual carefully. Follow all the operating and other instructions.

2. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure operation of the product. These protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on bed, sofa, rug or other.

3. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

4. Water and Moisture

Do not use this product near water for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.

6. Power-cord protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

7. Lightning

For added protection for this product during storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

8. Object and Liquid entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with

the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



11. Disc tray

Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury and damage to the product.

12. Burden

Do not place a heavy object on or step on the product. The object may fall causing serious personal injury and serious damage to the product.

13. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- If the product exhibits a distinct change in performance - this indicates a need for service.

14. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

15. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

16. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

NOTICES and DISC PROTECTION

NOTES ON HANDLING

- The top and rear panels of the unit may become warm after a long period of use. This is not a malfunction.
- When the unit is not use, be sure to remove the disc and turn off the power.
- If you do not use the unit for a long period, the unit may not function properly in the future. Turn on and use the unit occasionally.
- Do not place foreign objects on the tray.

LOCATION

Do not locate the unit in places such as:

- Near heating devices or in enclosed car.
- High temperature (47° C or higher) or high humidity (90% or higher).
- Dirty places.
- Avoid direct exposure to sunshine

DISTURBANCE

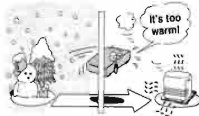
When you place this unit near a TV, radio or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the unit away from the TV, radio or VCR.

NOTES ON MOISTURE CONDENSATION

The pickup may be condensed with water under the following situation.

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold air from the air conditioner directly hits the unit.
- During the summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- The room is vaporous or damp.

If condensation exists, the unit will not operate properly. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.



ON HANDLING DISCS

- Do not touch the playback side of the disc.
- Do not attach paper or tape to disc.



ON CLEANING DISCS

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.



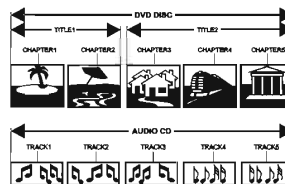
- If you can not wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or antistatic spray for vinyl Lps. It may damage the disc.

ON STORING DISCS

- Do not store discs in a place subject to direct sunlight or near heat source.
- Do not store discs in place subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing object on discs outside or their case may cause warping.

STRUCTURE OF DISC CONTENTS

Normally, DVD discs are divided into titles, and the titles are sub-divided into chapters. Audio CDs are divided into tracks.










Each title, chapter, or track is assigned a number, which is called title number, chapter number or track number respectively.

There may be discs that do not have these number.

PLAYABLE DISCS and ACCESSORIES

The following discs can be played:

DISCS	LABEL	CONTENTS	DISCS	LABEL	CONTENTS
DVD VIDEO		Audio +Video (moving picture)	CD-R		Audio or Video
SUPER VCD (SVCD)		Audio +Video (moving picture)	CD-RW		Audio or Video
Video-CD (VCD)		Audio +Video (moving picture)	JPEG		Video(picture)
AUDIO CD		Audio	MP3	MP3	Audio

- Discs than those listed above can not be played.
- Non-standardized discs, even if they may be labeled as above can not be played.
- The performance of recorded disc is depend on the method and quality of disc-burning. In some cases, the disc may not be played.

ACCESSORIES

- Audio/Video cable 1
- Owner's manual 1
- Remote control 1
- AM Antenna 1Piece 1
- FM Antenna 1Piece 1
- MP3 Input Cable 1
- AC Power Cord 1
- Rack Mounting Brackets
Withs Crews 2



One (1) MP3 input cable



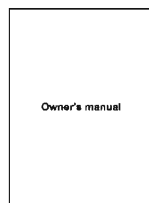
One (1) AC Power Cord



Two (2) Rack mounting brackets with screws



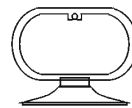
Audio/Video cable



Owner's manual



Remote control

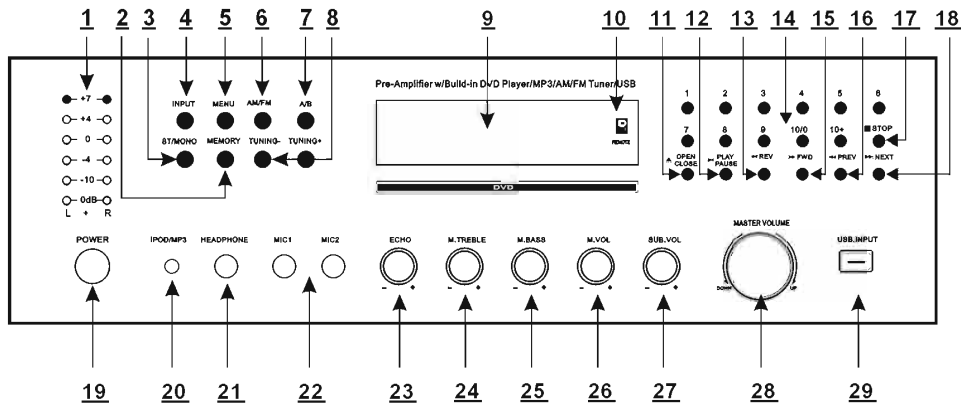


AM Antenna 1Piece



FM Antenna 1Piece

FRONT PANEL and LED FUNCTION



1. LIGHT

Signal intensity light indicate

2. MEMORY

After a station has been found, you can store the station by pressing the MEMERY button, and the screen will display MEM above a channel number, then you can press the number knob to save the station, when the channel number display to move from right to left, it means the station has been saved.

3. ST/MONO

Stereo and mono selector.

4. INPUT

This is used to select the input sources DVD/CD/USB、TUNER、IPOD/MP3、AUX

5. MENU CONTROL

This is used to increment and decrement level for the selected function of Master Volume , Bass , Treble, Balance. Auto Station seek.

6. AM/FM

Press it to select AM/FM when it is tuning

7. A/B SPEAKERS OUTPUT SELECTOR

Three mode: A、B、A+B

8. TUNING-/TUNING+

The two keys are used to adjust to the best signal of the stations.

9. FUNCTION DISPLAYED FLUORESCENT WINDOW

10. REMOTE SENSOR WINDOW

11. OPEN/CLOSE CONTROL

Press this key at any play mode will always turn to disc play mode

12. PLAY/PAUSE

Play and pause control

13. REV,FR

Quick/backward search the set

14. NUMBER KEYS

While in radio status, you can choose the music number directly, for example choose "28", press "10+" key twice, then press "8", you can get "28" music or station

15. FWD,FF

It is quick to enter/forward search the set

16. PREV,SKPR

Top a song/top a set

17. STOP

Stop control

18. NEXT,SKPF

Next song/next set

19. PRESS SWITCH

Press to switch the power unit ON or OFF

20. IPOD/MP3 JACKS

IPOD/MP3 connect to these jacks

21. HEADPHONE JACKS

Headphone connect to these jacks

22. MIC INPUT JACKS 1&2

KARAOKE MIC connect to these jacks

23. ECHO CONTROL

Turn the knob to adjust the MIC echo level

24. MIC TREBLE

Adjusts the treble of MIC

25. MIC BASS

Adjusts the bass of MIC

26. MIC VOLUME

Adjusts the volume level. Turn the knob clockwise to increase the MIC volume

27. SUB. OUT VOLUME CONTROL

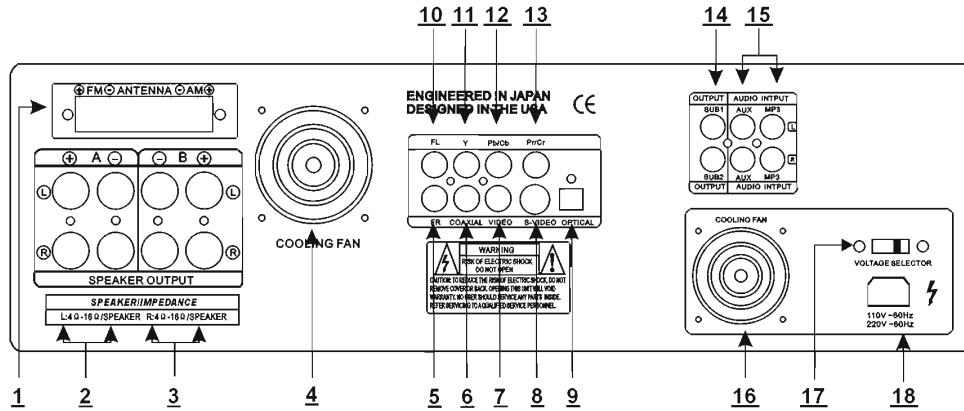
28. MASTER VOLUME CONTROL

Adjusts the volume level. Turn the knob. Clockwise to increase the volume

29. USB INPUT JACKS

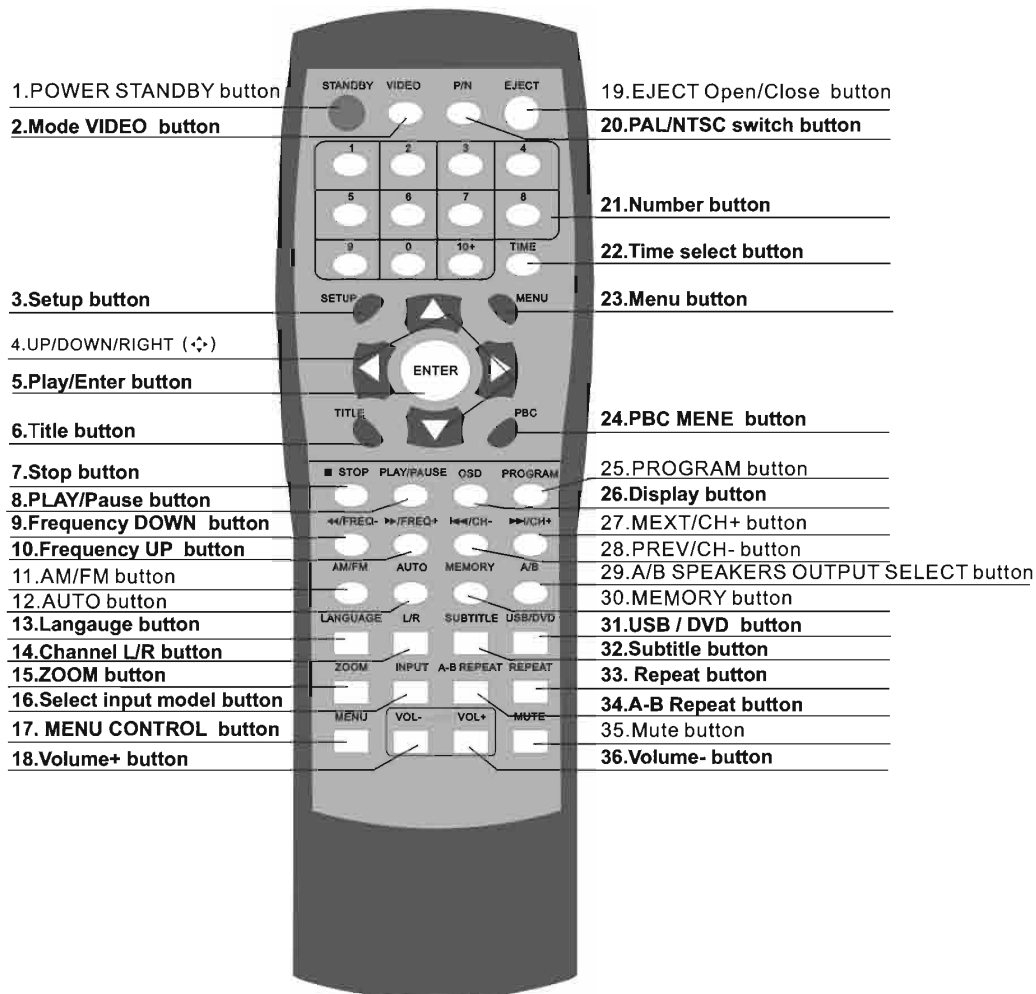
Please notes that this USB only can read MP3 form files, not supportable for PWA files. In case of any damage to this unit, When you take USB out, please select the button "PAUSE" or other input source

REAR PANEL FUNCTION



- 1、 TUNER ANT
Connect for AM and FM antennas.
- 2、 A SPEAKER OUTPUT TERMINALS
Connect your speaker system to
These terminals.
- 3、 B SPEAKER OUTPUT TERMINALS
Connect your the other speaker system(s) to
these terminals.
- 4、 COOLING FAN
- 5、10、 R/L OUTPUT
- 6、9、 DIGITAL AUDIO OUTPUT
One coaxial one optical, this output can connect
to the amplifier with dolby digital or DTS decoder
to play the movie with correspondent records.
- 7、8、11、12、13、 VIDEO OUTPUT, S-VIDEO OUTPUT,
COMPONENT VIDEO OUTPUT
Press the “relevant” key on remote control to choose the output mode .
- 14、 SUB-WOOFER OUTPUT JACKS 1&2
- 15、 AUDIO INPUT JACKS
Connect the audio output jacks of
MP3、 AUX to these jacks.
- 16、 COOLING FAN
- 17、 110V/220V SWITCH
According to power voltage ,push this button
to the station of the 110V or 220V.
- 18、 POWER CORD
Connect to AC 110V/60Hz&220V/50Hz outlet.

REMOTE DEVICE FUNCTION

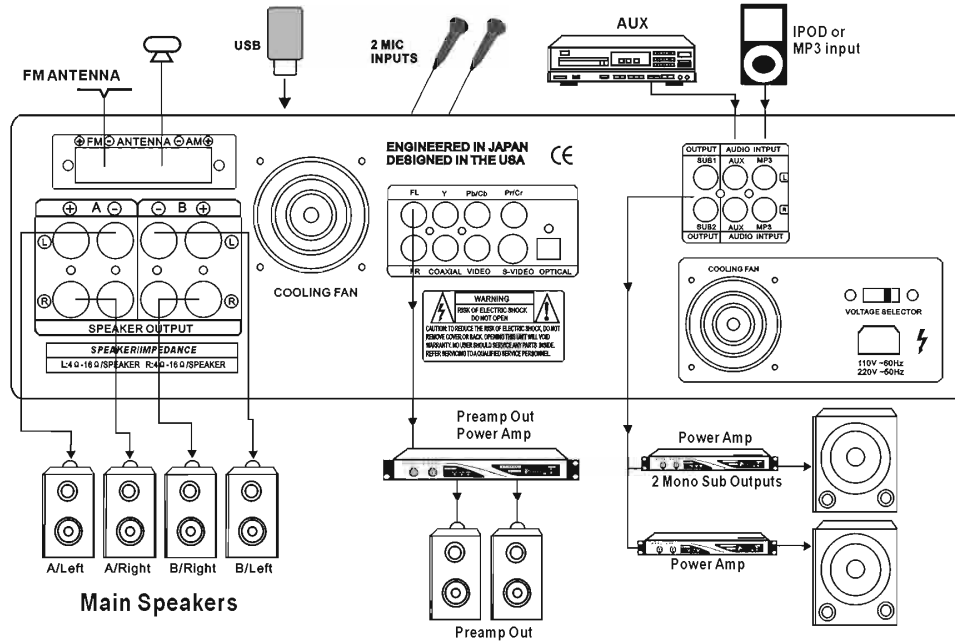


Remote Control Operation

1. Remote control should be operated within 6 meter and the scope of 30° in front of receiver.
2. Make sure that there is no big obstacle between remote control and machine.
3. Remote sensor should be far away from the light, high amounts of light can affect its performance.

REAR PANEL CONNECTION

• Connecting to amplifier

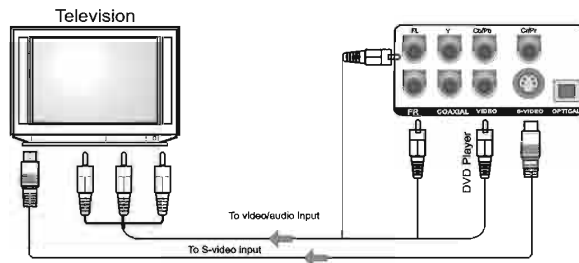


SAFETY INSTRUCTIONS

1. Make sure that all connections are properly connected and the main volume is set to minimum level before turning on the unit.
2. When more than one pair of speakers are used, (specially the main speaker output) make sure that the speakers used are of the same wattage and impedance, otherwise the unit may be damaged under high power or long term operation.
3. To avoid humming sounds and unwanted noise, make sure that all the wires are properly inserted.
4. For speaker cords, strip off the vinyl coating and twist the wire tip. Push down the pink jack or loosen the screw terminal, before inserting the wire tip, then fasten it and tighten the screw. Be careful not to let the wires stick out of the terminal otherwise this may cause a short circuit when wires of different terminal contact each other.
5. After the unit is turned on, adjust the main volume to the desired level same is true with the bass and treble volume, etc.

BASIC CONNECTION

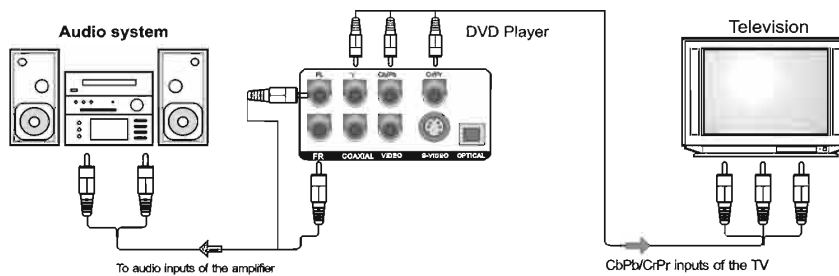
● Connecting to a TV with Audio/Video cable



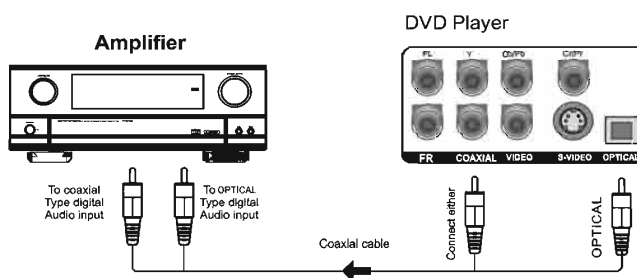
- If the TV has an S-video input, connect the DVD player with an S-video cable. When using an S-video cable, do not connect the yellow video cable.

Note: The volume adjusting here only works when it's connected to a power amplifier. While it's connected to TV set without speakers, the volume can not be adjusted on this device. You can only adjust the volume on the TV set.

● Connecting to an audio system



● Connecting to an amplifier equipment



BASIC PLAYBACK

Preparations

- When you want to view a disc, turn on the TV and select the video input connected to the unit.

Basic playback

1. Press POWER switch in the front panel to ON, the unit turns on and the TV screen will display the start logo. If a disc is already in the tray, it will begin to play once the power is on.
2. Press OPEN/CLOSE ▲ to open the disc tray, place a disc on the disc tray.
 - There are two different disc sizes. Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the unit to malfunction.
 - Do not place a disc which is unplayable in this unit.
3. Press OPEN/CLOSE to close the disc tray, the playback will automatically start.
 - Some disc maybe can not playback automatically, you can press PLAY ► button to start playback.
4. Some disc maybe start playback with a menu, use the cursor button on the remote controller to select menu options and press PLAY to start, or press digits to select a menu options directly.

Pause/Step playback

1. Press PAUSE/STEP II/III► first time to pause playback (still mode). The sound will be muted during still mode.
2. Press STEP II► continuous to single step forward to the next frame in the video.
3. Press PLAY to resume normal playback.

Previous and Next

During playing, press PREV ◀◀ key can back to start of this chapter, then each press this key will skip a chapter still the start of the disc. Each press of NEXT ▶▶ key during playing will skip the current chapter and play the next one.

Fast forward and Fast reverse

1. Press FWD ►► to fast forward through the disc. Each time the FWD ►► button is pressed, the fast forward motion speed changes.
2. Press ENTER/PLAY to resume normal playback.
3. Press REV ◀◀ to fast reverse through the disc. Each time the REV ◀◀ button is pressed, the fast reverse motion speed changes.
4. Press ENTER/PLAY to resume normal playback.

Stop playback

1. Press STOP ■ button to go to stop mode, the TV screen will show the start logo. As some disc the unit can recall the location where stopped, such as DVDs and audio CDs.
2. Press PLAY to playback to resume play-back from the location where playback is stopped or from the beginning of the disc.
3. Press STOP twice to stop completely.

Standby

Press STANDBY key on remote control to switch player to standby mode or power on.

NOTES:

1. "INVALID KEY" may appear on the TV screen during operation. A "INVALID KEY" means that the operation is not permitted by the unit or the disc.
2. This unit controlled by CPU, under setting mode, there may be screen save, press any key to activate the unit. If you can not use this function, you can set SCREEN SAVER to OFF in SYSTEM SETUP PAGE of SYSTEM SETUP .

LISTEN TO RADIO, LINE INPUT OPERATION ADVANCED PLAYBACK

● MP3、AUX EXTERNAL CONNECTION OF AUDIO SIGNAL INPUT

Press INPUT key on the remote control or on the machine panel, then the machine can be inputted external connection of MP3/AUX and AM/FM audio signal, the display shows the status. Audio signal of any equipment can be connected.

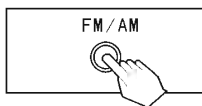
INPUT TRANSFER TO MP3、AUX

Press INPUT key on the remote control or on the machine panel, then the machine can be inputted external connection of MP3/AUX and AM/FM audio signal, the display shows the status. Audio signal of any equipment can be connected.

● LISTEN TO RADIO:

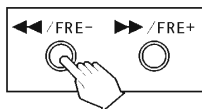
● FM/AM

Press INPUT key can transfer to the reception of a radio, then press 【FM/AM】 key on the machine or on the remote control, the machine will turn into FM/AM mode, and the display shows the frequency and the channel number of the current radio station



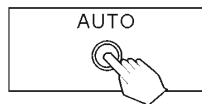
● MANUAL SCAN

Press 【◀/FRE】 or 【▶/FRE+】 key on the machine panel or on the remote control to carry out manual scan to search for your need



● AUTO SCAN

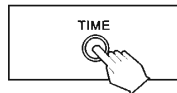
Press AUTO key on the machine panel or on the remote control, then the machine itself will scan within the frequency range once completely automatically



NOTES: The machine will store the radio station into current channel number when the machine receives one. The effect is much related to the intensity of the signal. If there are no signal or immethodical signal, you'd better choose manual scan or frequency selection scan.

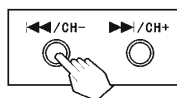
● FREQUENCY SELECTION SCAN

Press 【TIME】 key on the remote control, the display shows the status. Then you can input the frequency of the radio station you want to listen to.
A.FM frequency range: 87.5-108.0MHz
B.AM frequency range: 530-1620KHz



● CHANNLE SELECT

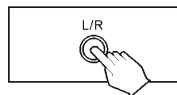
Press 【◀/Ch】 and 【▶/CH+】 key on the remote control or on the panel, then you can select the channel you have already stored.



NOTES: You could store your favorite radio stations in continuous channels.

● MONOPHONY/STEREO MODE SELECT

Press 【L/R】 key on the remote control can select monophony or stereo mode to listen to the radio.



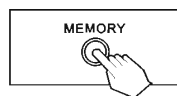
NOTES: We advise you to select monophony mode when the signal of the radio station you've chosen is not good enough.

● AUTO STORING RADIO STATIONS

After starting AUTO SCAN function, the machine will store the radio stations received into ordinal channels. The current frequency will be stored into current channel number automatically.

● MANUAL TO STORE RADIO STATIONS

Press 【◀/FRE】 and 【▶/FRE+】 key to select the radio station you want to listen to, then press 【MEMORY】 key to store the current radio station into the channel number you want until the signal intensity is strong enough.



TIPS: If the reception effect is not good or there is some noise and it doesn't become better even after changing into monophony mode, you should suitably adjust the antenna to a good position till the effect is the best.

ADVANCED PLAYBACK

USB READER FUNCTION

- The machine will play them the same as disks when there is only a single form of playable file in the USB disk or in the triple card.
- MP3 and WMA forms files have the priority cover others to be played after the machine has scanned if the USB disk contains several forms of playable files.

USB/DVD

When the device is playing DVD, you can press **【USB/DVD】** key, then the screen will displays READ USB after pressing **【ENTER】** key you can turn to USB status. The same when it's playing USB and you can change into DVD status by following above operation.

USB COPY FUNCTION OF SUBTITLE KEY

● You can insert USB equipment when the machine id playing MP3,CD or MPEG4. Documents will be copied into the USB equipment after you press **【SUBTITLE】** key on the remote control..

1. When playing MP3 disk, press **【SUBTITLE】** key can copy the files on it into USB equipment.
2. When playing CD disk, press **【SUBTITLE】** key can copy the songs on it into USB equipment after change them into MP3 form.(Single file or all the files can be chosen to transfer)

NOTES: It only works when the USB equipment's capacity is large enough. Some styles of the machine don't have the function.

ADVANCED PLAYBACK

IMPORTANT NOTE:

THE FOLLOWING FUNCTION DESCRIPTIONS ARE FOR DVDS OPERATION AND DISPLAY ON SCREEN MAY BE DIFFERENT FOR OTHER DISC FORMATS .

TIME

Once the TIME button is press,the screen will display messages.Use the LEFT/RIGHT cursor button to select your preference.Press ENTER/PLAY to confirm.

OSD

Pressing this button will display "DVD TT XX/XX CH XX/XX 00:00:05 (chapter elapsed) ", " 1/3 ENG 5.1CH 1/4 ENG OFF", "DVD TT XX/XX CH XX/XX -00:00:00 (chapter remain)", "DVD TT XX/XX CH XX/XX 00:00:00 (title elapsed)", "DVD TT XX/XX CH XX/XX -00:00:00 (title remain)", the sixth will cancel function.

ZOOM

Press this button to zoom into the picture. Each time the button is pressed, the magnification level will change.

SUBTITLE

1 Press this button and the screen will display: " [1XX]", "XX" indicates the language of country. (the number of language depends on disc).

PROGRAM

Press this key can store your favorite picture as starting frame. If you have chosen several pictures, the latest picture will be the starting frame. You can cancel it by press 【SETUP】 , then press 【ENTER】 key after selecting 【RESORE】 key of 【LOGO SELECT】 under system settings and the system will restore to the original frame.

TITLE/PBC

For DVD discs - Press this button to display the title menu.Press the digits to select your preferred chapter.
For SVCD and VCD - Follow the menu instructions on screen.Press the digits during PBC playback.

A/B SPEAKERS OUTPUT SELECT

LANGUAGE

Press this button on remote control to change the mode of audio.
For example: [1 XX 5.1CH], "XX" indicates the language of country.
(the number of language depends on disc).

VIDEO

In play or stop status press VIDEO key on the remote control,the device will switch its video-output interface:TV-RGB,P-SCAN,S-VIDEO,INTERLACE YUV.

P/N

Press the key to switch between NTSC,PAL and AUTO.

REPEAT

Press once to repeating CHAPTER.
Press twice to repeat TITLE.
Press thrice to repeat ALL.
Press 4 times to cancel the repeat.

A-B REPEAT

Press A-B to begin start-point, press again to set an end point and complete setting. The selected section A-B will be repeated. The third press will cancel this function.

VOLUME AND MUTE

Press "+" at the right of VOLUME to increase volume, "-" to decrease volume. The first press MUTE will display Mute no voice , the second press will return to normal.

MENU

This is used to increment and decrement level for the selected function of Master Volume , Bass , Treble, Balance, AutoStation seek.
By pressing MENU key you can select the functions above. If you want to adjust bass, press MENU key to select bass, then press (aster volume +)or (aster volume-)on the remote control you can increase or decrease bass. If you want to adjust treble, press MENU key to select treble, then press (aster volume +) or (aster volume-)on the remote control you can increase or decrease treble. Others function above can also be adjusted in the same way.

SPECIAL FUNCTION PLAYBACK

JPEG DISC PLAYBACK

When playing JPEG disc, a navigation menu will be displayed automatically if the disc is loaded in succession. In the menu, use UP or DOWN cursor button to select a file, then press "ENTER/PLAY" to be played as a slideshow. Press PREV or NEXT to select the previous or the next picture. Press PAUSE to pause the current picture for viewing, press ENTER/PLAY, to return to normal playing. Press ZOOM to start zoom function, when ZOOM function is on, press PREV or NEXT to switch between pictures. Pressing the CURSOR key can move the enlarged picture and the picture display direction can be changed by pressing "PROG" key, including RANDOM, WIPER L, WIPER R, UP-DOWN, LEFT- RIGHT, WINDOW V, EDGE TO CENTER, etc.

MP3 PLAYBACK

Place a MP3 disc on the disc tray, the DVD player will begin to play once. Simultaneously, a navigation menu will be displayed automatically if the disc is loaded in succession. In the menu, use UP or DOWN cursor button to choose folder, then press "ENTER/PLAY" button to confirm. In the folder, use the UP or DOWN button to select the file, then press "ENTER/PLAY" to play this file. In this page, using the LEFT cursor button will return to the previous menu press PREV or NEXT to go back to the previous or next page.



MPEG-4 DISC FUNCTION INTRODUCTION

MPEG-4 is the fourth video and audio encoding standard released by MPEG (The abbreviation of "Moving Pictures Experts Group"). VCD is based on MPEG-1 technology and DVD is based on MPEG-2. MPEG-4 takes advantage of narrow bandwidth, pursuing the best picture quality by compressing and transmitting the data in frame reconstructed technology. The audio data is compressed by WMA standard. MPEG-4 is the most advanced compression technology standard in AV field. It has the highest compression rate. By MPEG-4 technology, we can encode and compress a DVD film into one or two CD-R disc with pretty good picture quality, or can burn several films that has same quality as VCD into one CD-R disc, or burn several films that has similar quality to DVD into DVD-ROM disc.

Note:

1. The MPEG-4 discs available in the market now have many different formats, such as Xvid, AVI, RM etc. But some discs with "MPEG-4" logo in market are not encoded by MPEG technology. It is normal that some of the disc cannot function properly in this player because of the incorrect encoding standard.
2. The MPEG-4 files are displayed as a list in the screen, choose the icon using the cursors and press "ENTER/PLAY" button to playback the movie.
3. As AVI is the MPEG-4 format, and MPEG is MPEG-1 format, please do not combine AVI and MP3/JPEG together into a disc. The player will only recognise MP3 or JPEG in that instance. However MP3 and JPEG can be included into one disc together.

SPECIAL FUNCTION PLAYBACK

Kodak Picture CD Playback

Playback (Normal)

When a Kodak Picture CD is inserted into the unit, an automatic slide show is launched. Each picture in the Kodak Picture CD will be displayed consecutively in a slide-show fashion and will be scaled to fit in the whole TV screen. Some slide-show transition modes are provided, use "PROG" key to select. Customer can set transition effects for each picture.

To display an image indefinitely, press the "PAUSE" key. To view the next or previous picture, press "NEXT" or "PREV" key. To resume the slide show, press the "ENTER/PLAY" key.

Image Rotation

There are four modes to rotate a picture: "Invert", "Mirror", "Left", and "Right". These operations are allowed only when a picture is being displayed normally and will be cancelled automatically when a new picture is displayed. The arrow key is used to select the different rotation modes:

Up ^ - Invert/Normal
Down v - Mirror/Normal

Left < - Turn left
Right > - Turn right

Zoom

The "ZOOM" key is used to turn on or off this function. When this mode is on, any picture will be displayed at the last ratio selected by the user. A message on the screen will indicate the current zoom ratio.

If zoom mode is on, "ZOOM" key are used to control the ratio of zoom in/out. With ZOOM mode off, a picture is scaled to fit the whole TV screen.

Notes: During zoom function, slide-show transition and image rotation are disabled. To cancel the zoom function press the "ZOOM" key again to resume the slide-show.

IMPORTANT NOTE: Quality of pictures displayed on the screen is highly dependent on the viewing device.

USB 2.0

Excellent turned a FAT document system to read, can support a higher ratio a rate document to broadcast especially.

Divx and Xvid Video Compatibility

1 Plays most version of DivX And Xvid Video with standard playback of DivX and Xvid media files.

2 File extensions: .avi and .divx (these must be used for the player to recognize DivX video files).

Note that all files with the .avi extension are recognized as Mp4, but not all of these are necessarily DivX video files and therefore may not be playable on this player

PC-Created disc compatibility

Discs recorded using a personal computer may not be playable in this unit due to the setting of the application software used to create the disc. In these particular instances, check with the software publisher for more detailed information.

Discs recorded in packet write mode (UDF format) are not compatible with this player. Check the DVD-R/RW or CD-R/RW software disc boxes for additional compatibility information.

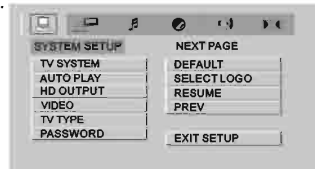
SYSTEM SETUP

- When you press SETUP button on the remote control, the setup menu will be displayed. It will include "SYSTEM SETUP", "LANGUAGE SETUP", "AUDIO SETUP", "VIDEO SETUP", "SPEAKER SETUP", "DIGITAL SETUP".

- Within the setup menu, you can use UP, DOWN, LEFT and RIGHT buttons on the remote control to move the cursor, and then press the ENTER/PLAY button to make your selection. Press LEFT to return to the previous menu.
- To exit setup menu, you can select the exit setup menu or press SETUP button.

1. SYSTEM SETUP PAGE

Setup TV screen format, video type and all DVD functions.

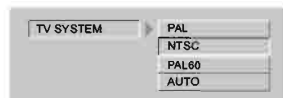


1.1 TV SYSTEM

TV SYSTEM: This player supports different TV output, including AUTO, NTSC, PAL60 and PAL systems.

- If your TV supports only NTSC or PAL and you had inadvertently selected the wrong TV system, the TV screen will flicker and only black and white colours will be display.

In this case, you should press the SETUP button to set as following Note.



Note: How to Set the TV Type?

- You may switch the NTSC/PAL setting of the DVD player to match the video signal of your TV.
- The table below shows what kinds of disc are compatible with each setting (AUTO, PAL and NTSC)

Disc		Output Format		
Type	Format	Selected TV System Mode		
		NTSC	PAL	MULTI
DVD	NTSC	NTSC	PAL	NTSC
	PAL	NTSC	PAL	PAL

1.2 AUTO PLAY

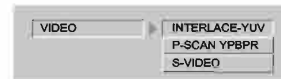


1.3 HD OUTPUT



1.4 VEDIO

VIDEO: Sets the video output.



1.5 TV TYPE

The TV TYPE will select the different ratio of display format and the screen of TV. There are various types of display on screen for different matches between Disc and TV (Please see page 20: Multi-image ratio mode).

Note:

- No matter which display format is selected, a picture recorded in standard 4:3 format always displays in the 4:3 aspect ratio.
- The display format of DVD titles may vary; please refer to the information that accompanies your specific DVD title.
- If the DVD title is recorded in 16:9 wide display format while the TV is a standard 4:3 screen, horizontal compression of the image will result.
- Some DVD titles may be recorded in special formats. In such cases, the DVD titles will always appear on the screen in their original format, regardless of which TV display format you select.



1.6 PASSWORD

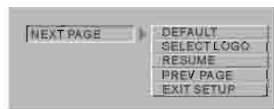
PASSWORD CHANGE: you can change the password, please type 4 numerals as new password. The initial password is 0000.



SYSTEM SETUP

1.7 NEXT PAGE

NEXT PAGE: Select sub-item of NEXT PAGE and press ENTER key to setup.



1.7-1 DEFAULT

DEFAULT: Resets to all the manufacturer's original settings for this DVD player Press ENTER/PLAY to perform the reset.



1.7-2 SELECT LOGO

DEFAULT: Resets to all the manufacturer's original settings for this DVD player Press ENTER/PLAY to perform the reset.



1.7-3 RESUME

RESUME: This setup can realize the memory playback. When this setup is on, the player will recall the memory where the player stopped under the circumstances of power off or withdrawing the discs. That is to say, when you replay the disc, it will be played from there it stopped last time. Noted: With this function, each disc of different formats can be memorized.



1.7-4 PREV PAGE



1.7-5 EXIT SETUP



2. LANGUAGE SETUP



2.1 OSD LANGUAGE

On Screen Display (OSD) Language: Users can select the whole setup menu and on-screen display language.



2.2 AUDIO LANG

AUDIO: Sets the preferred audio language as the default when playing DVD. (If DVD support these languages)



2.3 SUBTITLE LANG

SUBTITLE: Sets the preferred subtitle language as the default when playing DVD.(If DVD support these languages)



SYSTEM SETUP

2.4 MENU LANG

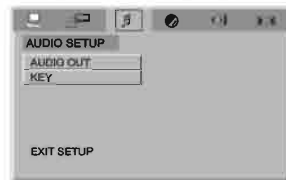
MENU LANG: Sets the preferred menu language as the default when playing DVD. (If DVD support these languages)



2.5 EXIT SETUP

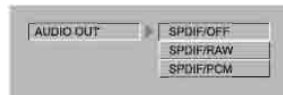


3. AUDIO SETUP PAGE



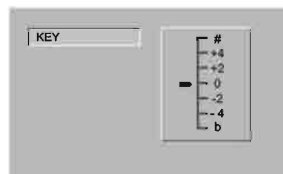
3.1 AUDIO OUTPUT

AUDIO OUT: Sets the audio outputs.



3.2 KEY

KEY : Use the Up and Down arrow button to move the scroll and adjust the key.

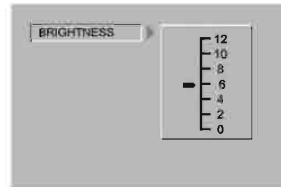


4. VIDEO SETUP PAGE



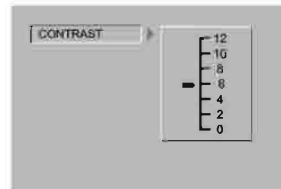
4.1 BRIGHTNESS

BRIGHTNESS: Sets the brightness level of video output.



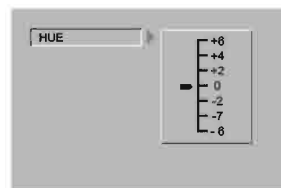
4.2 CONTRAST

CONTRAST: Sets the contrast level of Video output.



4.3 HUE

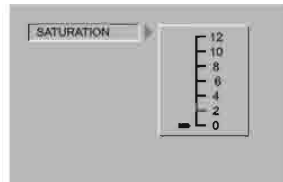
HUE: Sets the hue value of the Video.



SYSTEM SETUP

4.4 SATURATION

SATURATION: sets the saturation of the video.



6. DIGITAL SETUP PAGE



5. SPEAKER SETUP



6.1 OP MODE

OP MODE: This can set the type of output and adjust audio frequency.



5.1 SPEAKER SETUP PAGE

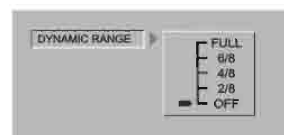
DOWNMIX MODE: sets front speakers to LT/RT STEREO, V SURR

- The first 3 settings (LT/RT, STEREO, V SURR) downmix the sound signal for 2-speakers. This setting allows you to enjoy a surround sound effect with only two speakers. For this reason a setup for additional speakers (described in the following sections) is disabled when DOWNMIX MODE is set to these settings.



6.2 DYNAMIC RANGE

DYNAMIC RANGE : When LINE OUT is selected, choose this setting to adjust the line out ratio and get different effect. If adjusting to FULL, the audio signal peak value will be the minimum; while adjusting to OFF, maximum.



SYSTEM SETUP

6.3 DUAL MONO

DUAL MONO: If your amplifier/decoder has Dolby Digital output, you may select stereo, left mono, right mono, or mixed mono mode for your amplifier decoder.



7. SOURCE

SOURCE: This system will automatically read the USB if there is no playable discs loaded. Use the Source menu to select to read from either disc and USB directory.



TROUBLESHOOTING









Before calling for service, you can perform the checks described in the troubleshooting guide for immediate solutions.

PROBLEM	POSSIBLE REASON	TREATMENT
Unit can not be turned on	The power plug is not plugged in properly or is damaged	Try plugging in again
Remote control doesn't work	No battery or batteries are off	Replace batteries
	The remote control used is out of operational range	Use it with right range
No picture	Unit was not connected properly	Connect again
	Unit was not set up properly	Check setup instructions
Disc cannot be played	Disc error	Label side should be up
	Loader doesn't close tray	Reload disc in tray
	No disc in tray	Put disc in tray
No sound	Unit not connected properly	Connect it again
	Volume too low	Adjust volume
Poor picture quality and audio	Disc dirty	Clean the disc
	Disc scratched	Replace Disc
	Disc warped	
Display correctly but no response	Operation is wrong	Renew operation
Without response	Main unit is jammed	Reset

SPECIAL FUNCTION OF DVD

SETTING THE TV SCREEN SIZE

Multi-aspect ratio suit to different TV screen size.

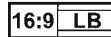
Picture format on Disc	TV Screen Size		
	4:3		16:9
	Pan Scan	Letter-box	Wide Screen
4:3 			
16:9 			

Functions supported by DVD discs

There are many functions available on DVD discs and the functions vary per player and per manufacturer.



Regional code and signal system



Picture proportion modes



Dolby digital surround sound



Parental Control



Number of languages



Angles for viewing



Subtitle languages

SPECIFICATIONS

System and Outputs

VF Signal system	NTSC/PAL
Frequency response	CD: 20Hz-20KHz(EIAJ) DVD: 20Hz-44KHz(96KHz)(Sample result) 20Hz-22KHz(48KHz)(Sample result)
Audio S/N ratio	> 90 dB
Audio output (analog audio)	Electric level output: $1.8V \pm 0.2$ resistance: 10KS
Video output	Electric level output: $1.0V_{p-p} \pm 0.2$ resistance: 75S

Amplifier Technical Specifications

Technical	PD-1000A	PD-3000A
MainChannelPowerOutput (PMPO,8Ohms,1KHztest THD1KHz)	1000WX2 <1%	3000WX2 <1%
NormalLoadImpedance	8Ohm	8Ohm
InputSensitivityImpedance CD/DVD AUX	400mV/33kOhm	400mV/33kOhm
Microphone	15mV/600Ohm	15mV/600Ohm
SignaltoNoiseRatioPureAmplifier	76dB	76dB
SignaltoNoiseRatio KARAOKE	71dB	71dB
FrequencyRange (FrequencyResponse40Hz-15KHz)	±2dB	±2dB
FrequencyRange (ToneCharacteristic100Hz-10KHz)	±14dB	±14dB
Weight	7.5kg	9kg
PowerRequirements	AC~110V/60Hz AC~220V50Hz	
Dimension	483(W)X325(D)X132(H)mm	
Operating temperature	5°C to 47°C (41°F to 95°F)	
Operating humidity	5% to 90%	

※ Specifications subject to change without prior notice