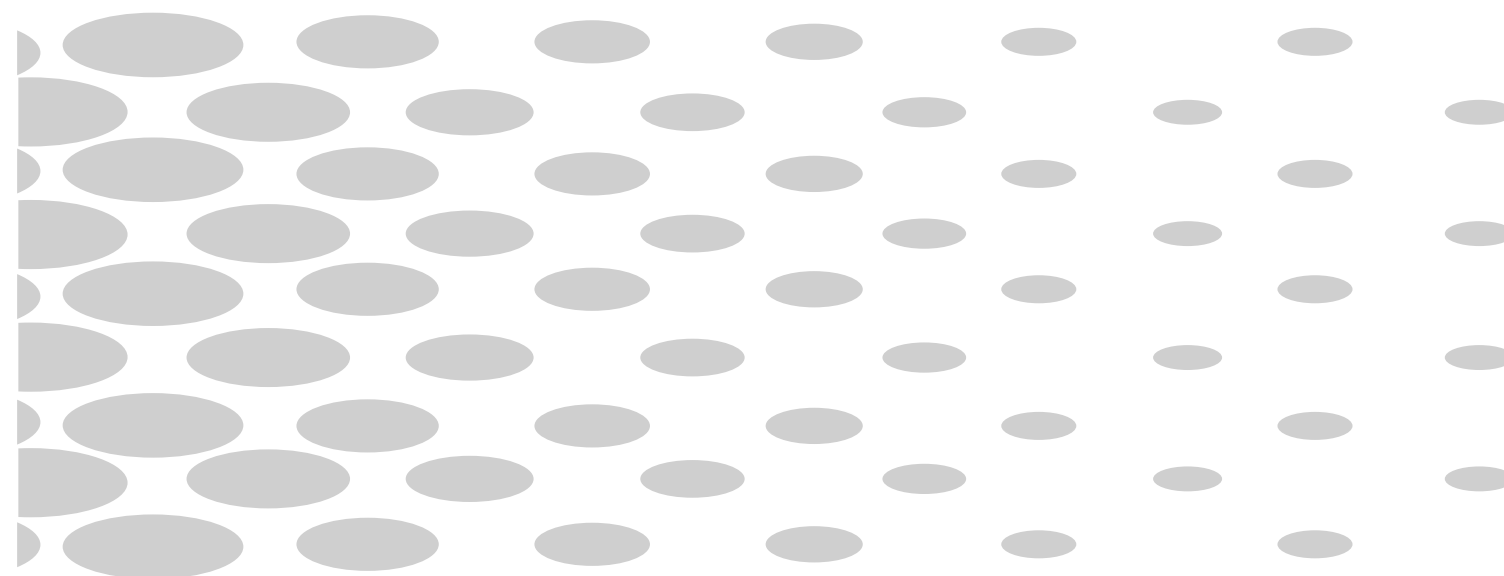


Goodmans

Operating Instruction Manual

MICRO1980DVD

DVD HOME THEATRE SYSTEM



Goodmans Helpline Phone Number 08708730080

TECHNICAL SPECIFICATIONS

DVD Player

TV System	NTSC/PAL
Compatible Discs	DVD, CD, MP3, CD-R, CD-RW
Resolution Ratio	Greater Than 500 lines
Video S/N Ratio	65dB
Frequency Response	fs (96KHz/24bit) 4Hz - 44KHz: +/-2dB
Audio S/N Ratio	95dB
Degree of Distortion	<0.01%
D/A Converter	192KHz/24bit
Video Out	1Vp-p
S-Video Out	Y: 1Vp-p(75Ω) C: 0.3Vp-p(75Ω);
Audio Out	2.0V+0/-1V 5.1 Channel,
Digital Audio Output	Optical, Coaxial
Connections	YUV, CVBS SCART, S-Video, 2 Channel Output

FM Tuner

Tuning Range	87.5-108MHz (100kHz Space)
S/N Ratio	>46dB
Monophonic	>46dB
Stereo	>50dB (DIN)
Selectance	50dB
THD	
Monophonic	2%
Stereo	3%
Frequency Response	30Hz-10kHz +/- 1dB
Stereo Resolution	35dB (1kHz) 30dB (100Hz-10kHz)

AM Tuner

Tuning Range	522-1620kHz
S/N Ratio	35dB
THD	3%

Amplifier

Output Power:	
Main Speakers	20W+20W (4Ω)
Surround Speakers	20W+20W (4Ω)
Center Speaker	20W (4Ω)
Subwoofer	35W (8Ω)

Frequency Response:

Main Speakers	200Hz-20kHz +/- 3dB
Surround Speakers	200Hz-20kHz +/- 3dB
Center Speaker	200Hz-20kHz +/- 3dB
Subwoofer	20Hz-200Hz +/- 3dB

S/N Ratio

Input Sensitivity	> 76dB
Channel Resolution	350mv, 47k > 30dB (Normal)

Remote Control

Transmitter	Infrared Ray
Signal Range	Approximately 15'
Power Source	2 "AAA" Batteries

General

Power Supply	AC 230V~50Hz
Consumed Power	135W
Size (WxHxD)	410 mm x 60 mm x 398 mm
DVD Player:	16.3"x2.8"x15.7"
Speakers	4"x4.5"x5.3"
Subwoofer:	8"x14.5"x17.2"
Weight	
DVD Player:	16.2 lbs.
Speakers:	0.75lbs.
Subwoofer:	11 lbs.

Because its products are subject to continuous improvement, We reserves the right to modify product design and/or specifications without notice and without incurring any obligations.

IMPORTANT SAFEGUARDS

For your own safety read following instructions carefully before attempting to connect this clock radio to the mains.

Mains Supply: 230V ~ 50Hz - AC only

This unit is designed to operate on a 230V~50Hz supply only. Connecting it to other power sources may damage it. Ensure that the supply corresponds to the information on the rating label on the bottom of the unit.

This component system may be fitted with a non-rewireable plug. If it is necessary to change the fuse in a non-rewireable plug the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a replacement, available from the manufacturer, is obtained. It is important that the colour of the replacement fuse cover corresponds with the colour marking on the base of the plug.

If the plug needs to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug must then be disposed of safely, as insertion into a 13A socket is likely to cause an electrical hazard.

IMPORTANT

The wires in the mains plug should be connected as shown in the diagram.

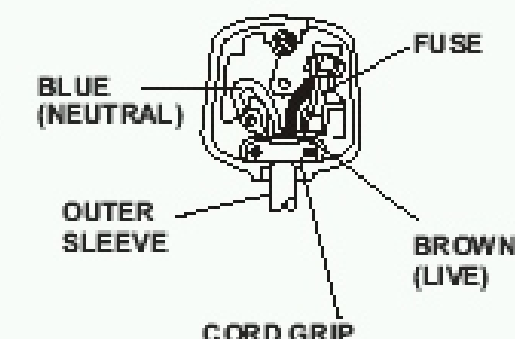
The colours of the wires in the mains lead of the unit may not correspond with the coloured markings identifying the terminals in your plug. Connect them as follows:-

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red.

There should be no connection to the earth terminal of your plug.

If a 13 Amp (BS 1363) Plug is used, a 3 Amp Fuse must be fitted, or if any other type of Plug is used a 3 Amp or 5 Amp Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



This symbol means that this unit is double insulated. An earth connection is not required.

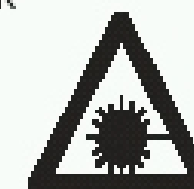
DANGER

LASER SAFETY

CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service



CAUTION

To prevent electric shock, disconnect from the mains before removing cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

To achieve the utmost in enjoyment and performance, please read this manually carefully before attempting to operate the unit in order to become familiar with its features, and assure you years of faithful, trouble free performance and listening pleasure.

Important Notes

- Keep instructions the safety and operating instructions should be retained for future reference.
- Avoid installing the unit in locations described below:
 - Exposed to direct sunlight or close to heat radiating appliances such as electric heaters.
 - On top of other stereo equipment that radiate too much heat.
 - Places lacking ventilation or dusty places.
 - Places subject to constant vibration.
 - Humid or moist places.
- Make sure not to obstruct the ventilation opening.
- Operate tuning controls and switches as instructed in the manual.
- Before turning on the power for the first time, make certain the power cord is properly installed.
- Store your tapes or CD in a cool area to avoid damage from heat.

For safety reasons, do not remove any covers or attempt to gain access to the inside of the product. Refer any servicing to qualified personal.

Do not attempt to remove any screws, or open the casing of the unit; there are no user serviceable parts inside, refer all servicing to qualified service personal.



CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER(OR BACK), NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONAL.



DANGEROUS VOLTAGE

Conductor dangerous voltage, that may be of sufficient magnitude to constitute a risk of electric shock to persons is present within this product's enclosure.



ATTENTION

The owner's manual contains important operating and maintenance instructions, for your safety, it is necessary to refer to the manual.

WARNING : TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING.

Note:

This unit will become warm when used for a long period of time. This is normal and does not indicate a problem with the unit.

JPEG FILES

JPEG adopting the most efficient compression is widely used as picture storage type flattened and stored format.

Even if pictures are compressed 15-20 times. they still have good effect. Supported by most picture processing software, fit for picture storage, it has small data and easy use .This machine can read. JPEG-format-made picture CD disc.

Press revelant number key to select picture display.

1. Put in disc correctly, the machine begins to search disc information.
2. Press number key to select picture.
3. It's efficient only in present picture when press number key.

Select to play by menu

1. Put in disc, machinesearches disc information and main menu displays on screen. press number key from 1 to select picture. press play key to make sure.
2. Press direction key to select picture then press play key.
3. In condition of stop. Press direction key to select other pictures.
4. In condition of stop. Select the first line file item on the right. Then press play key, to return to upper menu.

TROUBLE SHOOTING

This handy trouble-shooting guide is provided to save you time in case you experience any inconvenience with this DVD player. If the problem is not listed or if the provided solution does not correct the problem, please return to point of sales within 12 months of purchase.

Problem Possible Solution

No power

1. Check to ensure that the power plug is securely in the wall outlet.

No sound

1. Check the connection between the DVD player and the TV set, amplifier, or any other unit it is connected to.
2. Check to ensure the TV and amplifier are in the correct mode.

No picture

1. Check the connection between the DVD player and the TV set or any other unit it is connected to.

2. Check to make sure TV is turned on.

Disc does not play

1. Check to make sure the disc is loaded correctly label side facing up on disc tray.
2. Check that disc is clean from dirt, dust, fingerprints, and smudges.
3. Check to ensure disc is with in the guides on the tray.
4. Check if parental lock function is on.
5. Make sure disc is for use in region

Remote does not work.

1. Check batteries; possibly replace.
2. Check to ensure there isn't any obstacles between the remote sensor on the unit's front panel and the remote control.
3. Be sure the remote is aimed at the remote sensor.

Divided picture

1. Check that disc is clean and has no scratches.
2. The unit is controlled by a micro computer, which may need to be reset. Turn off the unit's power, wait several seconds, then turn back on.

No color picture

1. Check to see if the S connector is damaged (bent pin).

MP3 discs don't play

1. Use another software edition to re burn disc, as the edition used may not be compatible with the player.
2. Use new editions of software such as Audio station 4, "Easy CD Creator", To ast Titanium, etc.
3. Make sure MP3 file is not encoded with a variable bit rate, such as provided by Real Networks.

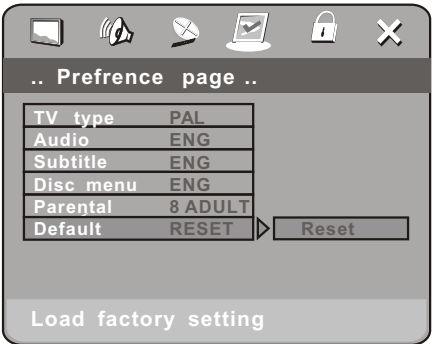
SYSTEM SETUP

For a film to be restricted for children, the film class may be set according to label marking on the disc. High light "PARENTAL" in the preference setup menu need confirm the password mode is off.

DEFAULTS

This option will resume the original settings of this machine.

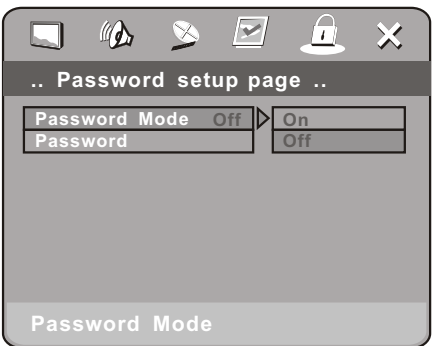
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



PASSWORD SETUP

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.

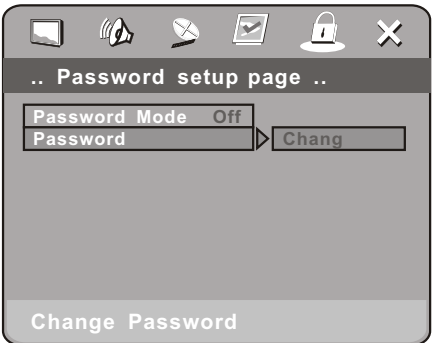
PASSWORD MODE SETUP



PASSWORD

The default is "0000" The user may change it using this option

Follow the operating instructions stated in "DVD menu setup" in combination with the desired option in the following figure.



MP3 FUNCTION

OPERATION OF MP3 FUNCTION

Mp3 is an audio compression mode using Level 3 of the international standard MPEG, whereby sound signal is compressed in a rate of 12:1. A Mp3 disc can record music for play of over 600 minutes or record over 170 songs, rivaling CDs in sound quality.

To play a MP3 disc

Files Menu of Mp3 play

When playing a Mp3 disc, 2 files menus can be selected by pressing PROG key: File list, Folder.

1. FILE LIST

It may select the files to be played by pressing UP DOWN, arrow key combining with ENTER key, or using number keys and ENTER key to select directly. If the number input is out of the music number, "CURRENT TRACK NUMBER" will display on screen.

2. Folder

Display menu first then press up down, left right arrow and ENTER key to select subdirectory and music.

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Save the carton and packing material; they will be useful if you ever have to transport the unit.

Pack contents:

- 1 X TUNER
- 1 X DVD Player
- 1 X 4 Channel Power Amplifier
- Loudspeaker connection wires
- 1 x Multi pin unit interconnection cable
- 1 X FM AERIAL
- 1 X MWAERIAL
- 1 X REMOTE CONTROL with batteries
- 1 X Scart cable.

Please retain all packaging material for future transportation of the unit or in the unlikely event that the unit needs to be returned for service.

IMPORTANT NOTES

Hearing is very important to you and to us so please take care when operation this equipment. It is strongly recommended that you follow the listed guidelines in order to prevent possible damage or loss of hearing.

ESTABLISH A SAFE SOUND LEVEL

- Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful. To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.
- Slowly increase the level until you can hear comfortably and clearly and without distortion.
- Damage to your hearing is accumulative and is irreversible.
- Any ringing or discomfort in the ears indicates that the volume is maybe too loud.

Once you have established a comfortable listening level, **DO NOT INCREASE THE SOUND LEVEL FURTHER.**

The following list of typical sound levels may assist you in recognising just how loud you have set the volume level.

DECIBEL Level (dB)

Example

30dB	Quiet library, soft whisper.
40dB	Living room, fridge freezer bedroom away from traffic.
50dB	Normal conversation, quiet office, light traffic.
60dB	Electric sewing machine.
70dB	Vacuum cleaner, hair dryer, noisy restaurant.
THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE	
80dB	Average city traffic, alarm clock buzzer at 2 feet, food mixer.
90dB	Motorcycle heavy goods vehicle, petrol lawn mower.
100dB	Pneumatic drill, chair saw, garbage truck, discotheque/night-club.
120dB	Rock band concert, thunderclap fast train passing by.

PERMANENT LOSS OF HEARING

140dB THRESHOLD OF PAIN GUNSHOT 2 feet away, jet plane taking off.

SYSTEM SETUP

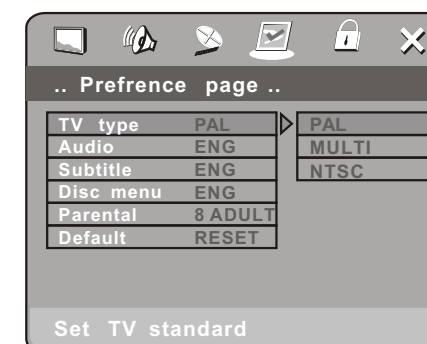
PREFERENCE SETUP

During stop mode, press the SETUP button to access the INITIAL SETUP menu, which includes items of dubbing language, subtitle, disc menu language, age control, default values and main menu.

Preset values are essential to a DVD player. The user may change these items as desired.

TV TYPE

Follow the operation instructions stated in "DVD menu setup" in combination with the desired option in the following figure.



This product supports output of various system, including MULTI, NTSC, PAL.

1) If your TV set has only NTSC or PAL system, the screen will blink and become colourless when a wrong system is selected. In this case, press the N/P button on the R.C to return to normal, screen always remember to select the correct system.

2) For more information of output format, refer to the instructions or your TV set.

AUDIO LANGUAGE

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.

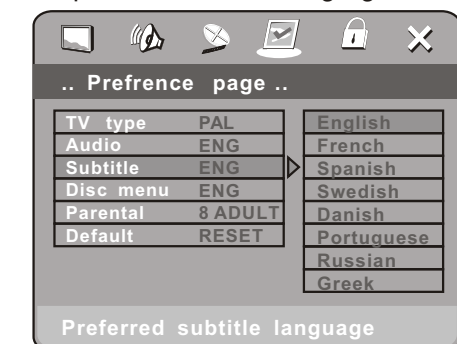


This machine provides English, French, Spanish, Swedish, Danish, Portuguese, Russian, Greek and others as the built-in disc dubbing language options.

SUBTITLE

This machine provides English, French, Spanish, Swedish, Danish, Portuguese, Russian, Greek and others as the built-in subtitle languages. When a DVD is played, the user may hide the subtitle or choose any of them as the preset subtitle language.

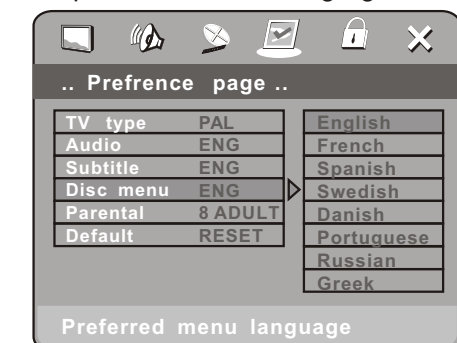
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



DISC MENU LANGUAGE

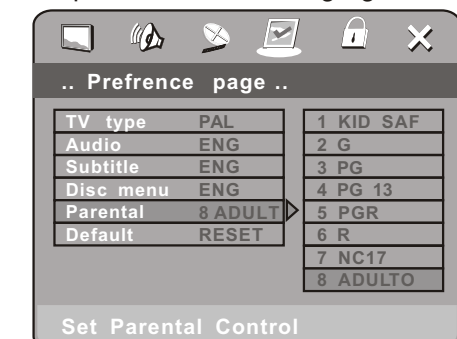
This machine provides English, French, Spanish, Swedish, Danish, Portuguese, Russian, Greek and others as the film's menu language options.

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



PARENTAL

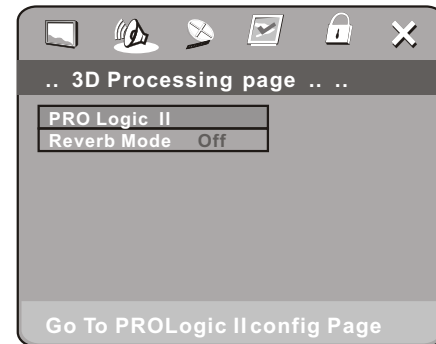
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



SYSTEM SETUP

3D PROCESS SETUP

Includes PROLOGIC II, reverb mode setup.

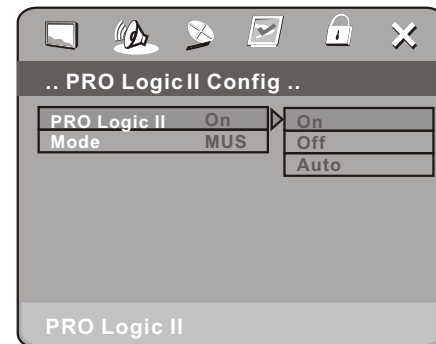


PRO-LOGIC II CONFIG

Includes prologic II , mode setup.

PRO-LOGIC SETUP

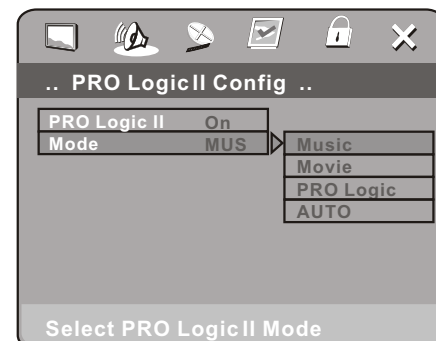
Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



PRO LOGIC is set to ON , OFF or AUTO.

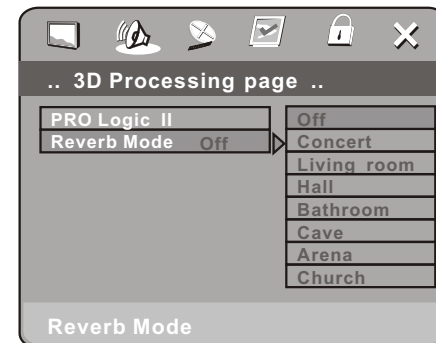
MODE SETUP

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



REVERB SETUP

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.

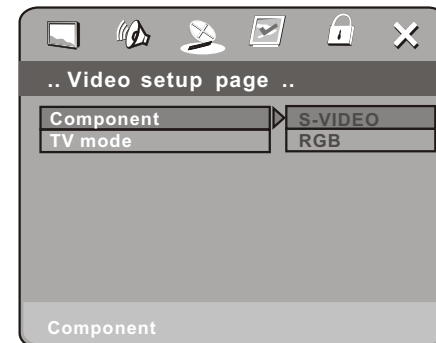


VIDEO SETUP

Includes component and TV mode setup.

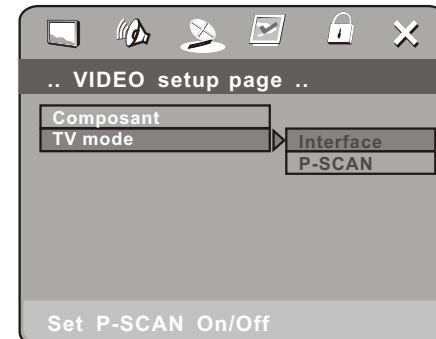
COMPONENT SETUP

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



TV MODE SETUP

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



ABOUT YOUR DVD PLAYER

The following will help you get the most enjoyment from your DVD receiver system.

BEST LOCATION

The unit should be placed on a firm, flat surface, away from VCRs, stereos, radios, or large speakers, as the magnetic flux from these devices may cause distortion in the sound and a poor picture. If placed in a cabinet, be sure there is at least "1" of free space completely around the unit for proper ventilation.

TO OBTAIN A CLEAR PICTURE

ADVD receiver is a precision device. If the optical pick-up lens and disc drive parts become dirty or worn down, picture quality will become poor. To obtain a clear picture, regular inspection and maintenance are recommended every 1,000 hours of use, depending on the operating environment. Contact dealer for details.

PLAYABLE DISCS

This DVD receiver system will play the following types of discs: DVD, MP3, CD, CD-R, and CD-R W with super-error correction ability. It is also capable of displaying picture CDs and digital photo albums. It supports eight languages, up to 32 subtitles, and multi-angle viewing. It features easy setup and operation with on-screen menus. It has full function CPU up grade able capability.

DIGITALAUDIO OUTPUT

The unit's coaxial output capability enables you to connect an external six-channel AV amplifier and processor with built-in Dolby Digital codec with just one cord. This enables you to conveniently enjoy different DVD, CD, and MP3 discs.

ANALOG AUDIO OUTPUT

Speaker system plug-and-play convenience through the built-in six-channel power amplifier eliminates the use of an external power amplifier.

LASER-HEAD OVER-CURRENT PROTECTION SYSTEM

To extend the service life of the laser head, the unit includes a unique laser-head over-current protection system, ensuring a constant laser current.

USE OF DISCS

This page contains valuable information regarding the handling, cleaning, and storage of discs played in this unit.

Handling

- Do not touch the playback side of the disc.
- Do not attach paper or tape to discs.
- Do not stick or write anything on the surface. Protect against fingerprints.
- Always hold a disc by the center and edge portions.

Cleaning

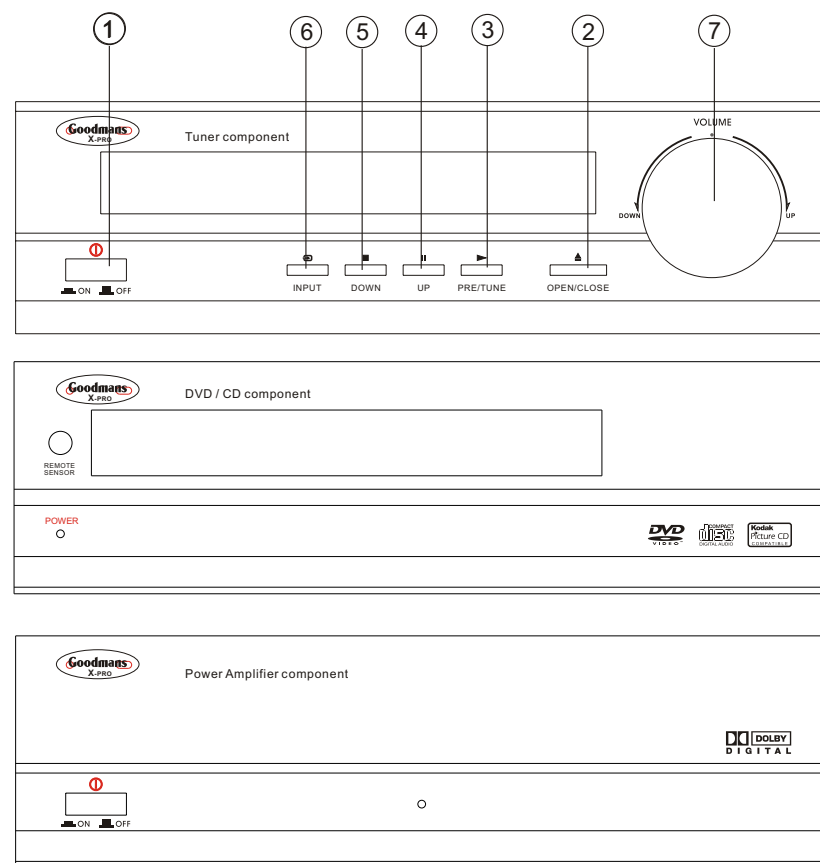
- Fingerprints and dirt on the disc may cause picture and/or sound deterioration. Wipe the disc from the center outward with a soft cloth. Always keep the disc clean.
- If you cannot wipe the dirt off, lightly use a slightly moistened soft cloth and finish with a dry cloth..
- Do not use any type of solvent such as: Paint thinner, benzene, commercially available cleaners or anti-static spray for vinyl LPs.

Storing

- Do not store discs in places subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

NOTE: GOODMAN'S is not responsible for damage that may occur to any disc that is operated in this unit or not handled, cleaned, or stored as suggested above.

Front Panel Functions



1. POWER

Before plugging the power cord into the AC outlet, check to make sure all of the connections have been properly completed. When they have been, carefully plug power cord into outlet.

Press the POWER button on the front panel to power the unit.

When the unit is initially powered, a brief surge of electricity may cause interference with other electronic equipment on the same circuit. If this occurs, connect the unit to an outlet on a different circuit.

2. ▲/OPEN/CLOSE

Use this button to open and close the disc tray while in DVD mode. It is disabled when another signal source is used.

3. ►/PRE/TUN

Use this button to begin play function while in DVD mode.

When in the Tuner mode, this button is used to select presetting or tuning mode.

4. ▢/UP

While in the DVD status, you may press this button for next track.

While in the tuner mode, you may press this button for radio up search.

5. ▣/DOWN

Use this button to stop play function while in DVD mode.

While in the tuner mode, you may press this button for radio down search.

6. INPUT SIGNAL SOURCE

Use this button to select the proper input signal source. (Note: The selected input will correspond to the selected input terminal on the rear panel.)

7. VOLUME

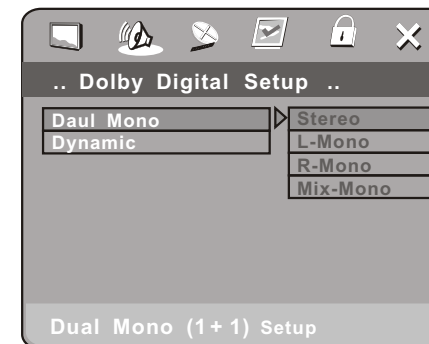
Use this knob to control the unit's volume. It controls all six channels simultaneously.

DOLBY DIGITAL SETUP

Dolby digital setup includes Dual MONO and dynamic range compress.

DUAL MONO

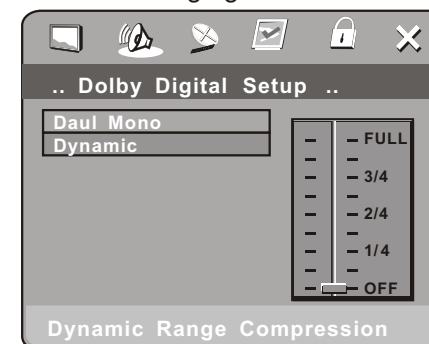
Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



If you have Dolby digital output in your amplifier/decoder, you may select stereo. Left, right and mixed sound accordingly.

DYNAMIC

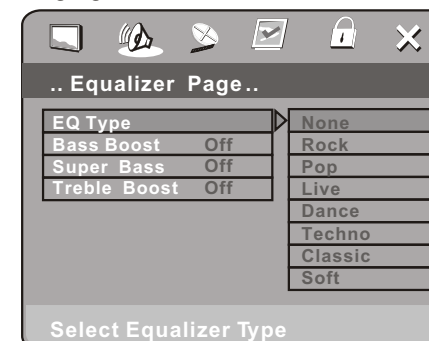
Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



EQUALIZER SETUP

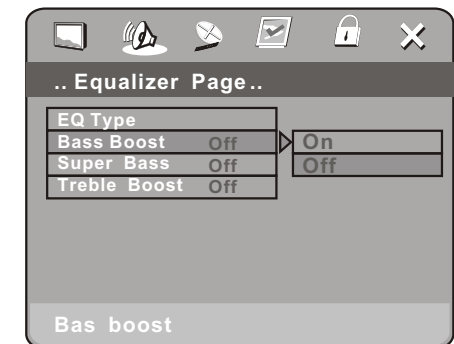
Include EQ Type, Bass Boost, Super Bass, Treble Boost setup.

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



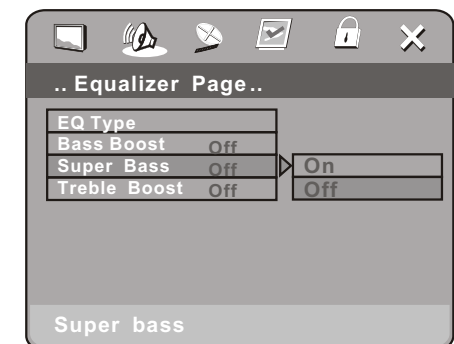
BASS BOOST SETUP

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



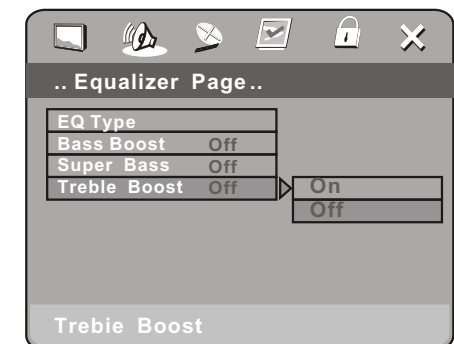
SUPER BASS SETUP

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



TREBLE BASS SETUP

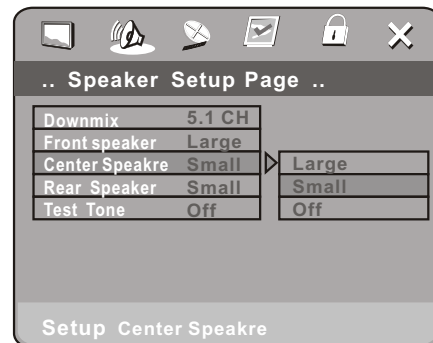
Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



SYSTEM SETUP

CENTER SPEAKER

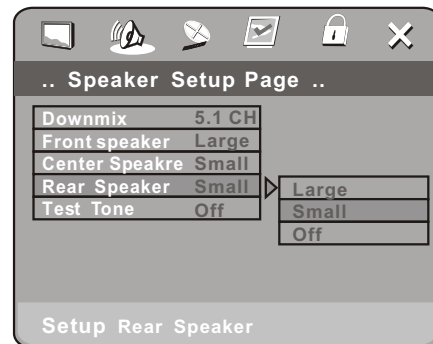
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



The center speaker is set to LARGE, SMALL or OFF.

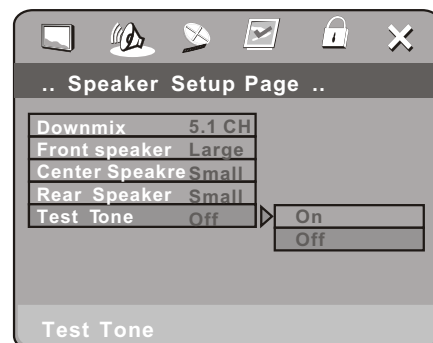
REAR SPEAKER

The rear speaker is set to LARGE, SMALL or OFF. Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



TEST TONE

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



TEST TONE is set to "ON" or "OFF"

While no disc in the DVD receiver, this function can test LEFT, CENTER, RIGHT, RIGHT SURROUND, LEFT SURROUND in sequence.

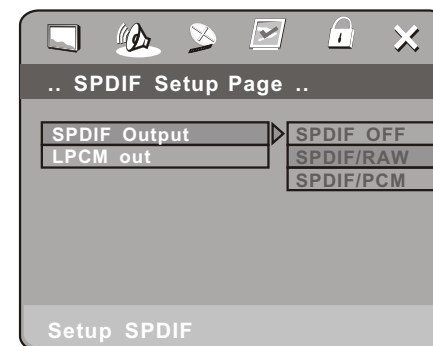
SPDIF SETUP

SPDIF SETUP includes SPDIF output and LPCM out setup.

Dolby digital signals can be output through COAXIAL in rear panel.

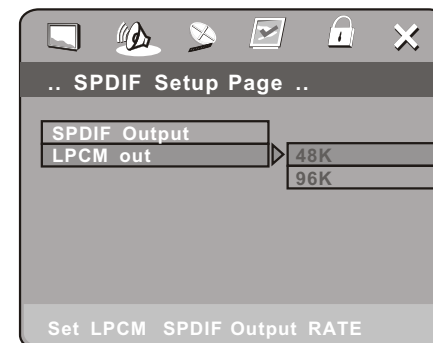
SPDIF OUTPUT

Follow the operation instructions stated in "DVD menu setup" in combination with desired option in the following figure.



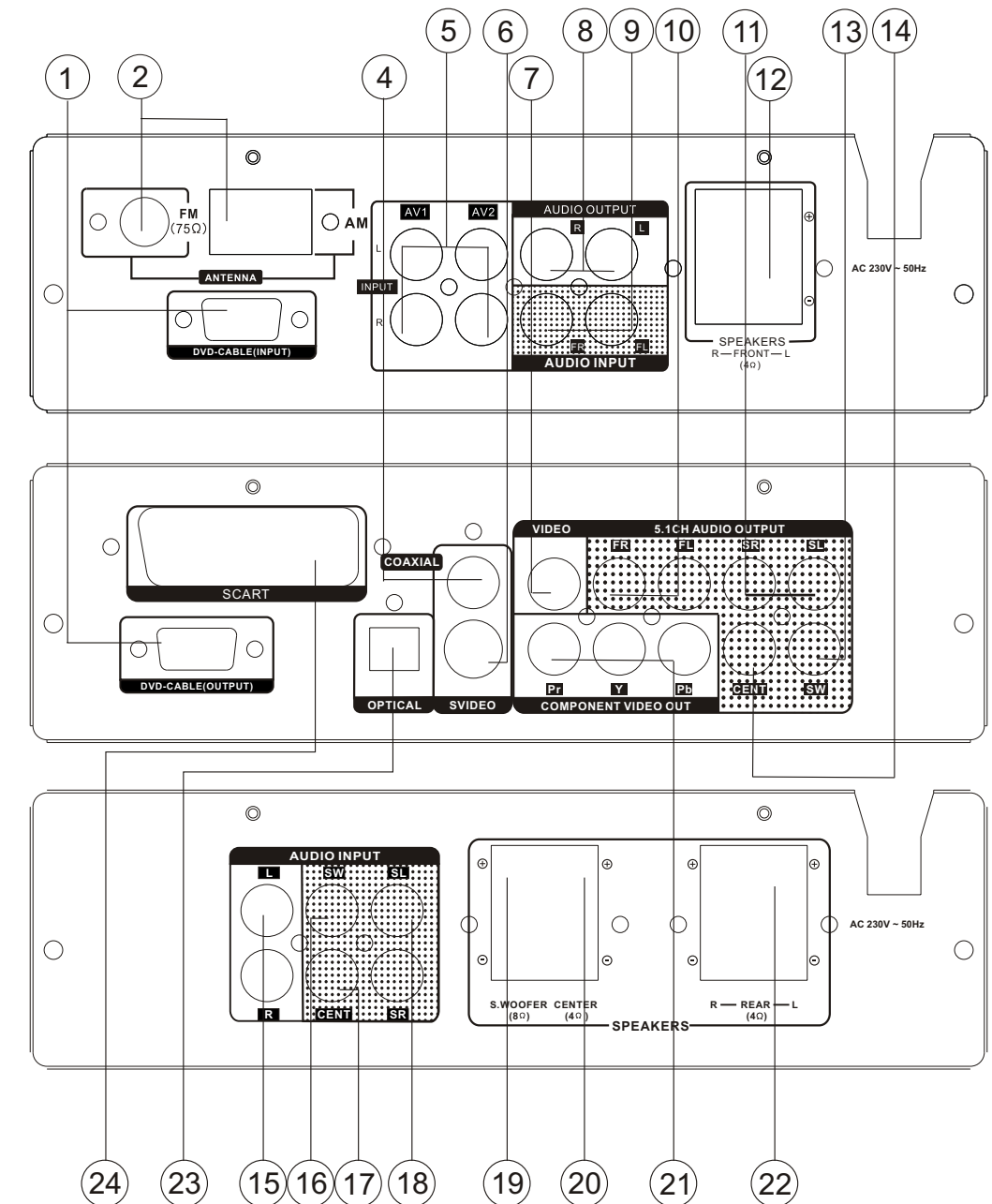
LPCM OUTPUT

To avoid disturbing neighbours at night, use this function to low down the volume without changing the original tone.



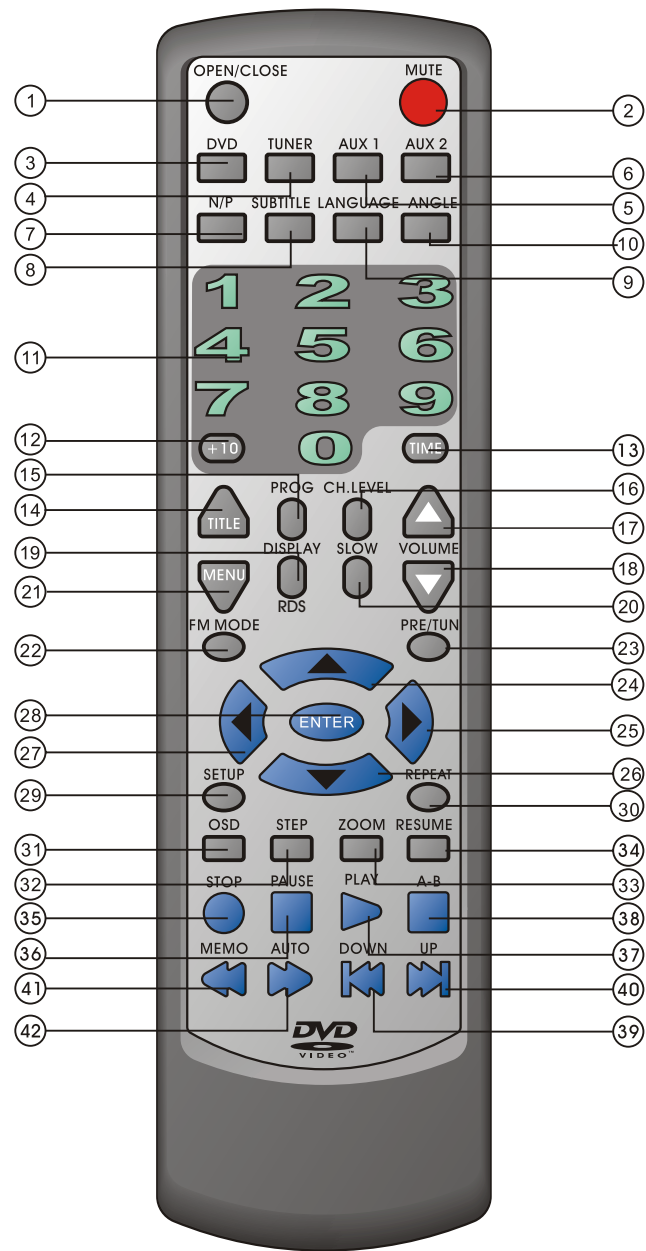
FRONT AND BACK PANELS

Back Panel Functions



- | | |
|---------------------------------|-------------------------------|
| 1. DVD cable | 13.5.1 subwoofer out |
| 2. FM/AM antenna | 14.5.1 center out |
| 4. Coaxial out | 15.Pre in |
| 5. AUX1 & AUX2 in | 16.5.1 subwoofer in |
| 6. S-video out | 17.5.1 center in |
| 7. Composite video out | 18.5.1 surround in |
| 8. Pre out | 19.Subwoofer speaker terminal |
| 9. 5.1 Front in | 20.Center speaker terminal |
| 10. 5.1 Front out | 21.Component video out |
| 11. 5.1 surround out | 22.Surround speakers terminal |
| 12.Front main speakers terminal | 23.Optical out |
| | 24.Scart out |

REMOTE CONTROLLER



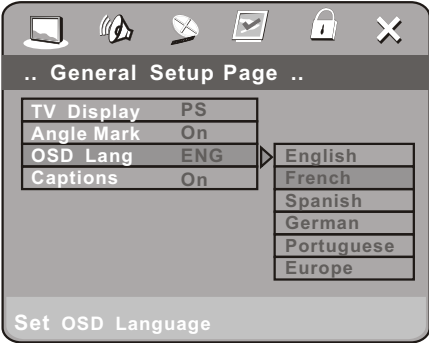
- ① OPEN/CLOSE
- ② MUTE
- ③ DVD SELECTOR
- ④ AM/FM TUNER
- ⑤ AUX1 SELECTOR
- ⑥ AUX2 SELECTOR
- ⑦ RESET
- ⑧ SUBTITLE
- ⑨ LANGUAGE
- ⑩ ANGLE
- ⑪ 0-9 NUMBER KEYS
- ⑫ +10
- ⑬ TIME
- ⑭ TITLE
- ⑮ PROG
- ⑯ CHANNEL LEVEL SELECTOR
- ⑰ VOL INCREASE
- ⑱ VOLUME DECREASE
- ⑲ SCREEN DISPLAY / RDS
- ⑳ SLOW MOTION
- ㉑ MENU
- ㉒ FM STEREO / MONO MODE
- ㉓ PRESET/TUNING
- ㉔ SCROLL UP
- ㉕ SCROLL RIGHT
- ㉖ SCROLL DOWN
- ㉗ SCROLL LEFT
- ㉘ ENTER
- ㉙ SETUP
- ㉚ REPEAT
- ㉛ OSD LANGUAGE SELECTOR
- ㉜ STEP
- ㉝ ZOOM
- ㉞ RESUME PLAY
- ㉟ STOP
- ㊱ PAUSE
- ㊲ PLAY
- ㊳ A-B REPEAT
- ㊴ DOWN (search down for radio stations/rewind skip)
- ㊵ UP (search up for radio stations/forward skip)
- ㊶ MEMO (memory/previous track)
- ㊷ AUTO (automatic search/next track)

SYSTEM SETUP

OSD LANGUAGE

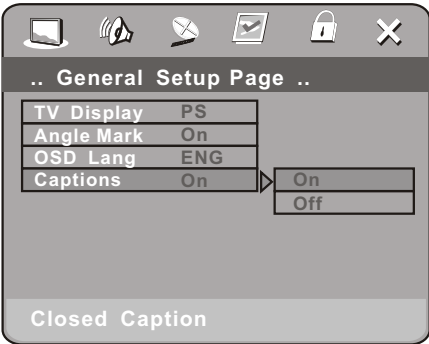
The user may use this item to set the language of the setup menu and screen display to English, French, Spanish, German, Portuguese and Europe.

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



CAPTIONS

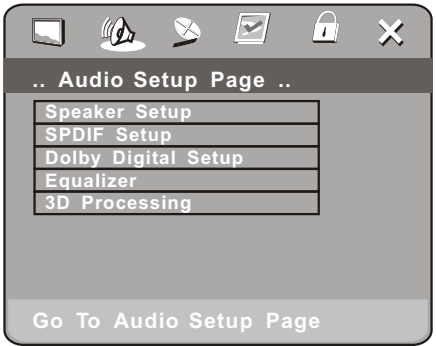
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



Note: This function doesn't work if the DVD doesn't show it.

AUDIO SETUP

Includes speaker setup, SPDIF setup, Dolby digital setup, 3D processing setup.

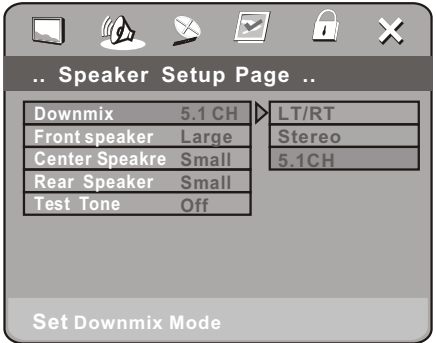


SPEAKER SETUP

This submenu options include DOWNMIX MODE, FRONT CENTER, REAR, TEST TONE setup.

DOWNMIX MODE

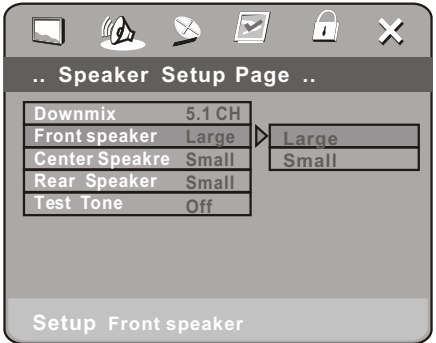
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.



This setting is suitable for films. If you only need two channels to enjoy music, it's recommended to select the 2nd option. Where 5.1 theater sound is available, the 3rd option is recommended.

FRONT SPEAKER

When set center, rear and subwoofer to "off" and front to "LARGE", then front audio signal can be mixed from center, rear and sub woofer speakers. Usually it is set to "SMALL".



FUNCTIONS

Zoom

A picture may be enlarged up to four times during either playback or slow motion through the unit's zoom function. Press the ZOOM key once and it enlarges the image 2x; press a second time and the image enlarges 3x; A third pressing enlarges the image 4x. A fourth pressing enlarges the image 1/2x, a fifth pressing the image 1/3x, a sixth pressing the image 1/4x. To return to normal-size playback, press the ZOOM key a seventh time. Enlargement takes place in the center of the picture.

CH.LEVEL

When a DVD disc is played, press this key and Vol▲ Vol▼ key to adjust channel level.

Volume and Mute

The volume on this DVD receiver is easily controlled with the remote control by pressing either the VOL▲ key to raise the volume or the VOL▼ key to lower it. By pressing the MUTE key, no audio will be heard. To reinstate the audio, press the MUTE key again.

Program

Allows you to program specific tracks in a desired order of play. Press PROG key program menu will appear on the screen, set up the program play in number key. The scroll to the START, Press ENTER key to program play. To exit the Programmed play mode, press the PROG button again.

DVD Menu Setup

By pressing the SETUP key on the remote control, the main setup menu appears. You will be asked to enter the Personal Identification Number (PIN), which is "0000".

1. After accessing the setup menu, press the scroll key for up or down movement to select a desired item. Once an item is selected, press the PLAY key to confirm your entry and to move to the Sub-entry.

2. Use the left or right scroll key to move the pointer and the up or down scroll key to select the Desired option. Once an item is selected, press the ENTER key to confirm your selection. This completes the setup of the selected function.

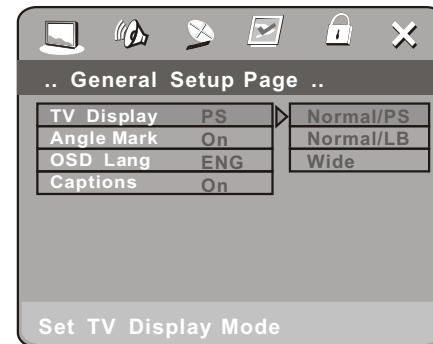
SYSTEM SETUP

GENERAL SETUP

This option is used to set up TV screen format, video functions and DVD functions, with options of "TV DISPLAY", "ANGLE MARK", "OSD LANGUAGE", "CAPTIONS".

TV DISPLAY

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option in the following figure.

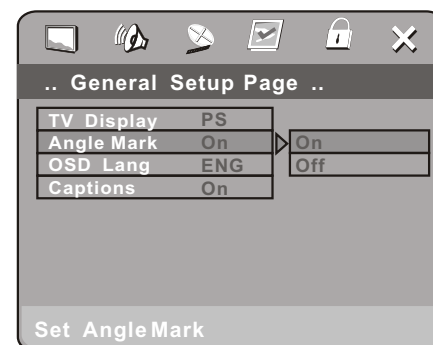


Note: Regardless of what screen format is chosen, if the screen displays in 4:3 format, the picture can only be shown in that format. With DVDs, the screen format is convertible. If the screen displays only in 4:3 format, when a DVD with 16:9 display format is used, the picture will be flattened.

TV screen Film format	4:3			16:9
	Normal	Full view	Mailbox	Wide screen
4:3				
16:9				

ANGLE MARK

When a DVD providing multiple angles is used, the user may select a particular shooting angle. Follow the operating instructions stated in "DVD MENU SETUP" in combination with the Desired option in the following figure.



OPERATING THE REMOTE CONTROL

Battery Installation

1. Push down and out on the battery Compartment cover to remove it.
2. Insert the two "AAA" batteries into the battery compartment of the remote control, making sure the + and - signs on the batteries and inside the battery compartment match up.
3. Replace the battery compartment cover.

Notes:

- Do not mix batteries from different manufacturers, nor old ones with new.
- If the remote control will not be used for an extended period of time, remove the batteries to prevent damage-causing corrosion.
- Remove dead batteries immediately to prevent damage-causing corrosion.
- If battery leakage occurs, wipe the battery liquid from the battery compartment, then replace both batteries.
- Always replace both batteries at the same time, using new, fully charged batteries.
- Life expectancy of batteries may vary depending on amount of use.

Using the Remote Control

Point the remote control at the remote sensor on the DVD receiver. When the signal is received from the remote, the unit will function accordingly. The remote will operate to approximately 16' from the remote sensor at an angle of around 30° each direction.

Notes:

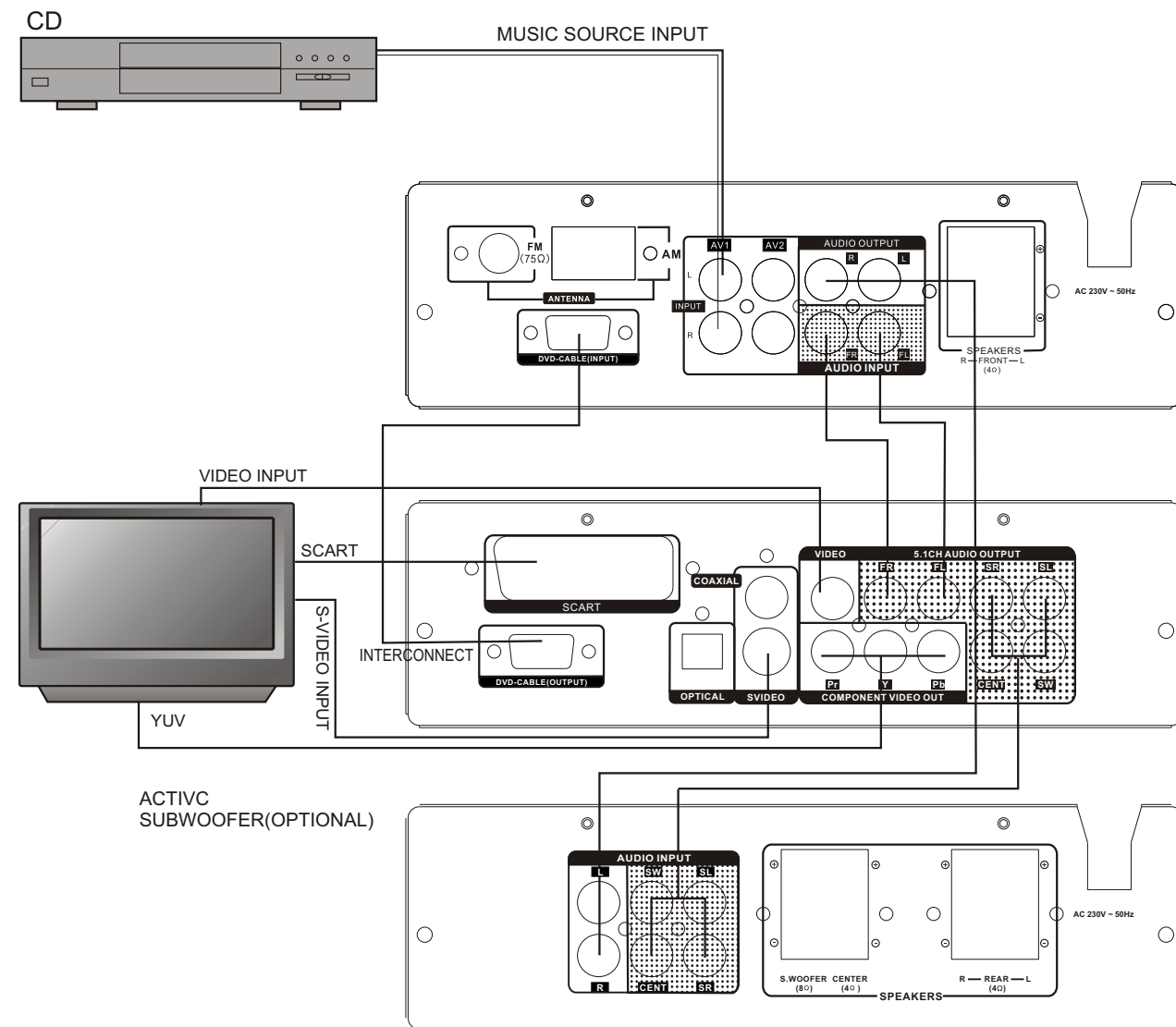
- Do not direct the remote sensor toward any light source, such as direct sunlight or a strong fluorescent light, as it may cause the unit to not operate correctly.
- When other remote controls are used nearby or when the remote is used near equipment using infrared rays, interference may occur.
- Placing an object on the remote control may cause it to inadvertently depress a button, changing a function and shortening battery life.
- Do not glaze the front of the DVD receiver with colored glass, as it may cause interference with normal operation of the controller.
- Make sure there is no barrier between the remote control and remote sensor, as it could prevent the unit from receiving the signal.
- Do not spill water or put wet items on the remote control.
- Never disassemble remote control.



BATTERIES

INCORRECT USE OF BATTERIES MAY CAUSE THEM TO LEAK, CORRODE OR EXPLODE.

CONNECTINGS



FUNCTIONS

Time

This DVD receiver can display various data regarding the disc being played.

Press Time button the number of title and chapter, Audio, Subtitle language, Angle, Title time, Chapter time, repeat mode, display time.



MENU: MENU/PBC

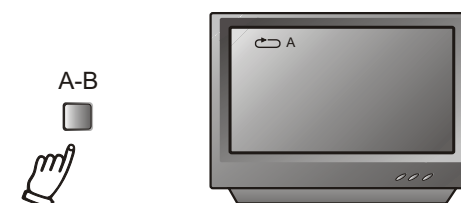
With the PBC function on, choosing a song on a CD can only be done when at the main menu. With the PBC function off, song selections can be made by entering the relevant number keys. The menu content of the disc will appear when the MENU button is pressed while a DVD disc is playing.



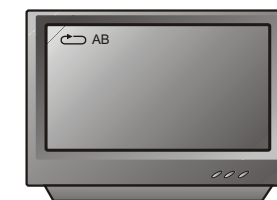
A-B Repeat

The A-B repeat function allows you to re-show sections between two specific points (A and B) on a disc.

1. Press the A-B button while the disc is playing to set point A, the beginning spot.



2. Press the A-B button again while the disc is playing to set point B, the ending spot. The section between A and B will replay.

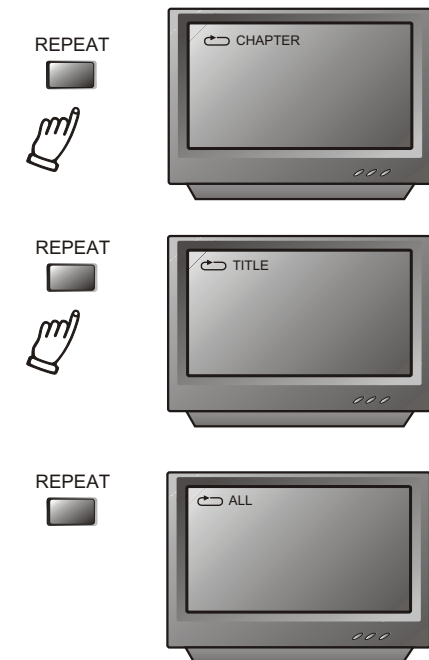


3. Press the A-B button a third time to cancel.

Repeat Play

This DVD receiver allows repeated playback of specific titles, chapters/tracks, or segment. It even allows switching between two items that are being repeated.

1. Select the item to repeat.
2. Press the REPEAT key.



The repeat mode changes each time the REPEAT key is pressed (i.e., from title repeat to chapter repeat, all repeat, to repeat off.)

When playing CD, press the REPEAT button to get the following display: TRACK, ALL, and Repeat off.

When playing Mp3, press REPEAT button to get the following player mode: Single, Repeat one, Repeat Folder, Folder.

AMP Volume up/down Adjustment

Press the CH.SEL button on the remote control, TV OSD appears:

VOL_L+00db

Press CH.SEL twice, OSD Appears:

VOL_R+00db

Press CH.SEL thirce to seven times the OSD converts in turn of RF,LS,FS and CN;

VOL_RS+00db

VOL_LS+00db

VOL_C+00db

Press CH.SEL continually it goes in cycle.

Press the VOL+ or VOL- button on the remote control to change the Volume value of ALL,LF, RF,LS,RS or CN separately.

FUNCTIONS

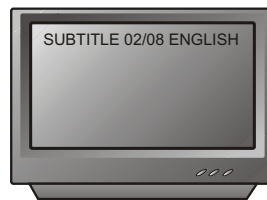
N/P

This DVD receiver supports video output of various systems, including auto, NTSC, and PAL. The picture will blink and become colourless when the wrong system is selected. If this occurs, press the N/P key on the remote control, then select the correct system (NTSC for North America, PAL for Europe). For more information on output format, refer to the TV set's manufacturer's instructions.

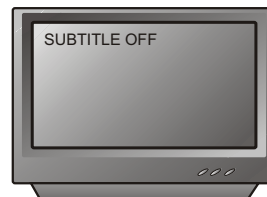
Subtitles

The unit has the capability to display subtitles in any of 32 different languages.

1. Press the SUBTITLE key. The subtitle menu will appear. Select the desired language by pressing the SUBTITLE key.



2. To remove the subtitles from view, press the SUBTITLE key until they disappear.



Note: The disc being played must be multi-subtitle encoded.

Camera Angle

The ability to change the camera angle allows viewer to play director and watch a movie from different perspectives.

1. Press the ANGLE key on the remote control. With each press, the camera angle changes.

2. The key may be pressed only when the flashing angle icon appears in the unit's display panel.



Note: Camera angle may be changed only in discs with multi-angle capability encoded into them.

Language

The unit has the capability to show movies in one of eight languages.

1. Press the LANGUAGE key. The language menu will appear. Select the desired language by pressing the LANGUAGE key.



Note: The disc being played must be multi-language encoded.

LOCATING A TITLE

DVD discs are normally divided into titles, which are then sub-divided into chapters. A specific title can be easily found with this unit. Specific titles can be found using either the title menu function, if the DVD disc contains a title menu, or through its unique title number.

Title Menu Function

1. Press the TITLE key. The title menu will appear on the TV screen.

2. Press the appropriate scroll key to select the desired title. A title may also be located by pressing its assigned number with the number buttons.

3. Press the ENTER key. This will start playback from chapter 1 of the selected title.

Note:

Some discs do not respond to this function. If different instructions appear on the TV screen, follow those instructions. The Instructions given here describe the basic procedure. Procedures may vary depending on the content of the DVD disc. When playing a VCD2.0 disc, TITLE key can be used to return to menu.

SPEAKERS

The configuration and arrangement of a surround sound system's speakers is critical. For maximum listening enjoyment, refer to the Arrangement of Speakers section in this manual prior to connecting speakers.

Surround Sound Speakers

Front or main right and left speakers; center speaker

- These three speakers provide extensive sound imaging and augment the dynamic effect of the audio. A movie's principal dialogue comes through these speakers.

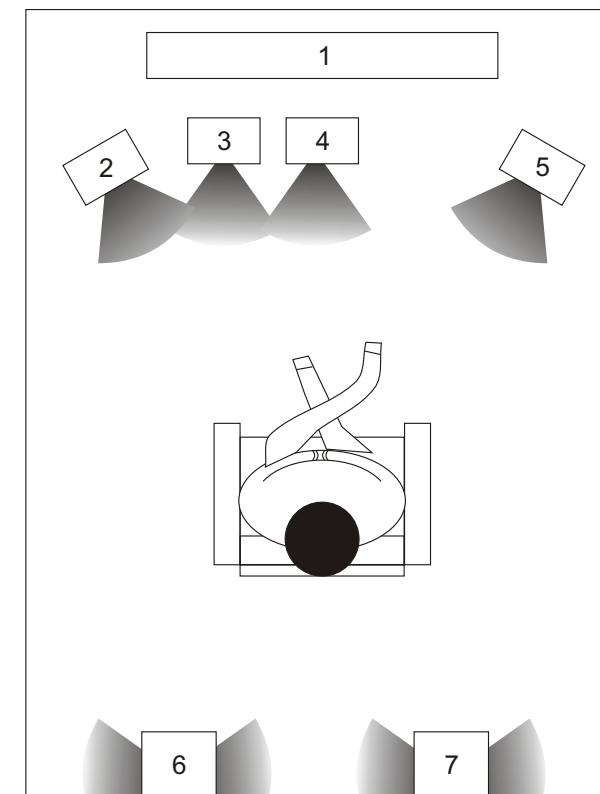
Rear or surround sound speakers

- These two speakers provide 3-D dynamic sound effects, and create an enveloping atmosphere, as they add background sounds.

Subwoofer speaker

- Provides rich and powerful bass, adding a powerful dimension of realism.

Note: Audio recorded for the center speaker and subwoofer will be assigned to the front and 3-D rear speakers to obtain the optimum 3-D surround sound effect.



- 1. TV set or screen
- 2. Front or main left speaker
- 3. Subwoofer
- 4. Center speaker

ARRANGEMENT OF SPEAKERS

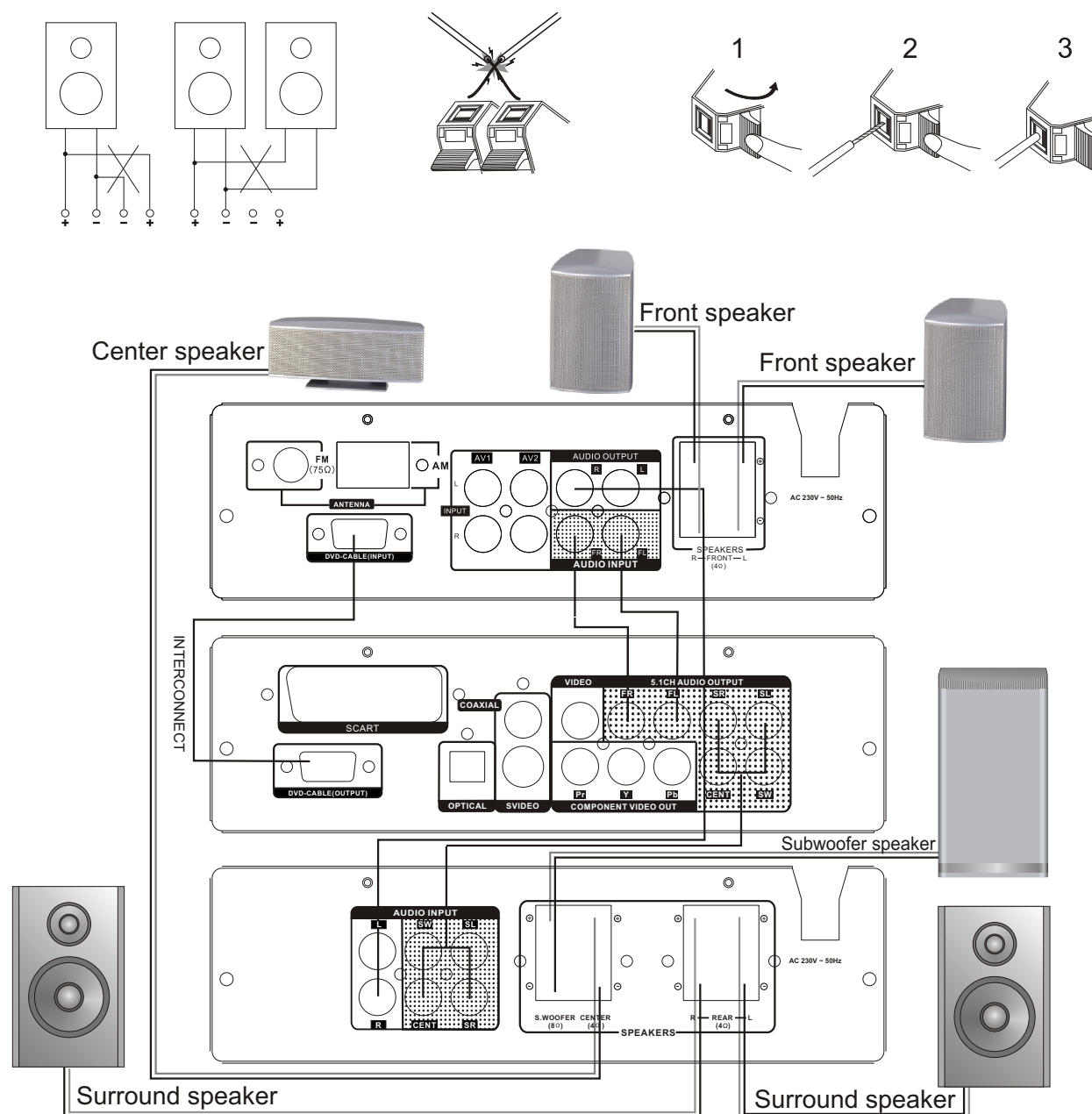
The ideal surround sound speaker configuration may vary according to room size and wall material. The figure below illustrates a typical arrangement.

Hints:

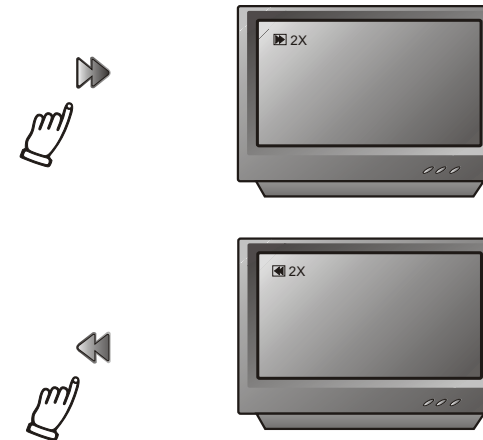
- Front or main speakers and central speaker should be placed at the same level and in a way that sound is oriented toward the listener's ears.
- 3D surround sound or rear speakers should be placed 3' higher than the height of listener's ears.
- Subwoofer speaker may be placed anywhere within the room, as its location produces little effect on a listener's sensation to sound. To obtain the optimum bass effect, a subwoofer is recommended in home theater systems.

- 5. Front or main right speaker
- 6. 3-D surround sound left speaker
- 7. 3-D surround sound right speaker
- 8. Viewer's location

CONNECTING THE LOUNDSPEAKERS



BASIC DVD OPERATION



To activate either function, simply press the ► key or ◀ key on the remote control. The speed changes each time the key is pressed. To resume normal playback, press the PLAY key.

Memory Playback

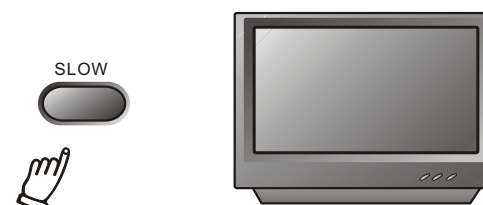
This unit allows the viewer to stop playback, then later continue playback from that exact disc location. Press the STOP key to halt playback. The unit then will memorize the location where playback was stopped. To resume watching, press the RESUME or PLAY key and the unit will resume playback from the exact location where playback was stopped. (Exclude Mp3 DISC)

When you play DVD discs, press MENU or TITLE key return menu and title, the unit then will memorize the location, To resume watching press the RESUME key and the unit will resume playback from the exact location.



Slow Motion

This DVD receiver has the ability to play discs in slow motion in either forward or reverse direction. Each time the SLOW key is pressed, the speed will slow from forward slow speed 1/2, to 1/4, to 1/8, to 1/16 to reverse slow speed 1/2, to 1/4, to 1/8, to 1/16, to normal speed. To resume normal playback, press the PLAY key.



FUNCTIONS

Screen Display

While a disc is playing, the status of various functions may be checked, such as the title, track number, and several time categories.

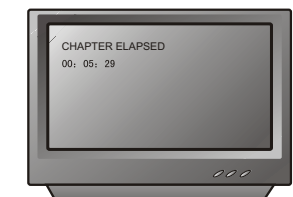
1. Press the DISPLAY key once and the title appears along with the chapter and how much time has played.



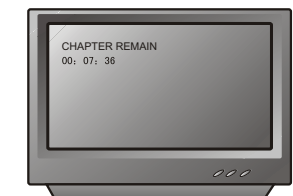
2. Press the DISPLAY key again and the remaining time for that particular title appears.



3. Press the DISPLAY key again and the total elapsed time for that particular chapter appears.



4. Press the DISPLAY key again and the total remaining time for that particular chapter appears.



5. Press the DISPLAY key again and the display turns off.

BASIC DVD OPERATION

Once the unit is connected to a television set and any other accessory equipment, you are ready to enjoy the excitement of DVD videos or your favorite CDs and MP3 files.

To play a DVD video disc:

Turn on the TV and select the A/V mode. If the set features an SCART connection, be sure the SCART mode is selected from the TV menu. Turn on amplifier, if connected. Select AC-3 or DVD mode.

To play an audio disc:

Turn on the audio system and choose the input source that is connected to the DVD player. Set the SPDIF OUTPUT to SPDIF OFF from the SETUP MENU display if you don't have the proper equipment for Dolby Digital surround sound.

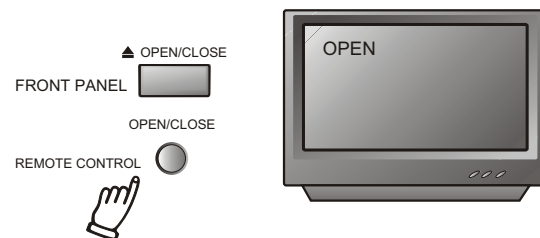
1. Press the POWER key on front panel. DISC LOADING appears on screen.



If there is no disc, NO DISC shown on screen:



2. Press the OPEN/CLOSE key. The disc tray will open.



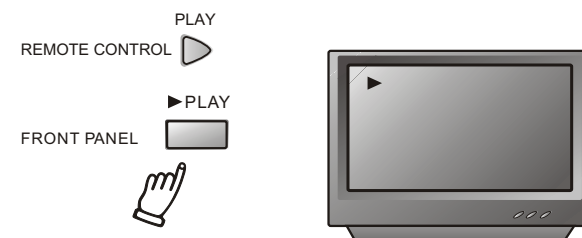
3. Place the disc on the disc tray. Be sure play side is face down on the tray.

4. Press OPEN/CLOSE key to close tray. The disc tray will close. The disc type will appear in the upper-left-hand corner of the screen.

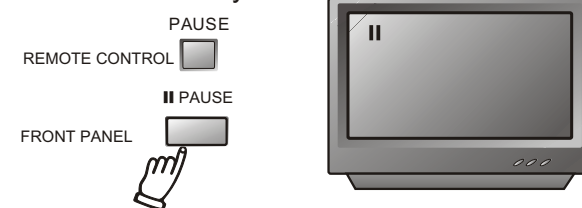
Once it has read the disc, the unit automatically will begin playback. When playing a DVD, the DVD title or menu will appear. CD tracks are played in sequence.

Note:

- It is possible to damage a disc if it is not placed correctly on the guides in the disc tray. This may also cause the DVD player to malfunction. Do not force or place anything other than a 5" DVD or CD onto the disc tray.
- Never move the DVD player during playback, as this may cause damage to the disc as well as the player. To open and close the disc tray, only use the OPEN/CLOSE key found on both the remote control and on the unit's front panel.



Press PAUSE key:



5. PREV/NEXT playback

Press ◀◀key or ▶▶key, play previous or next track. To resume normal playback, press PLAY key.

Press PREV key:



Press NEXT key:



6. Fast Forward/Reverse Playback

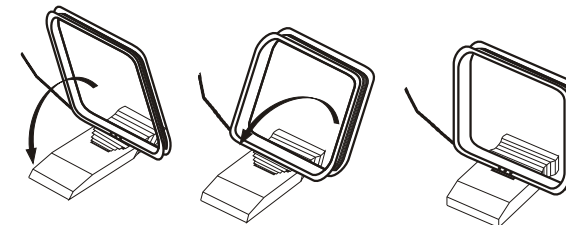
The unit features both fast forward and fast reverse playback. Either mode will speed up: 2x, 4x, 8x, 16x, 32x.

CONNECTING ANTENNA

Radio signals may be difficult to receive in some buildings and under certain conditions. The provided antennas will help in their reception. They are intended for indoor use only.

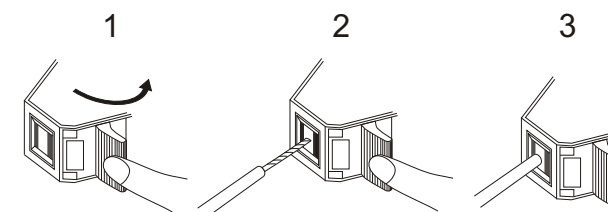
AM Loop Antenna

The placement of the AM loop antenna should be in a direction that provides the clearest reception. Keep as far as possible from DVD receiver, TV set, and speaker and power cords. If reception remains poor, an outdoor antenna may be necessary.



To connect the AM loop antenna:

1. Hold down handle
 2. Insert wire end into hole
 3. Release handle
- Position for best reception

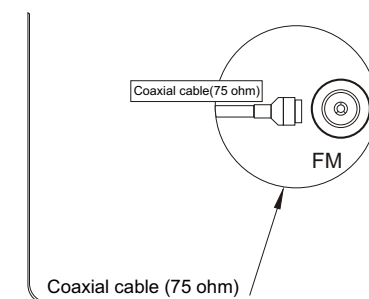
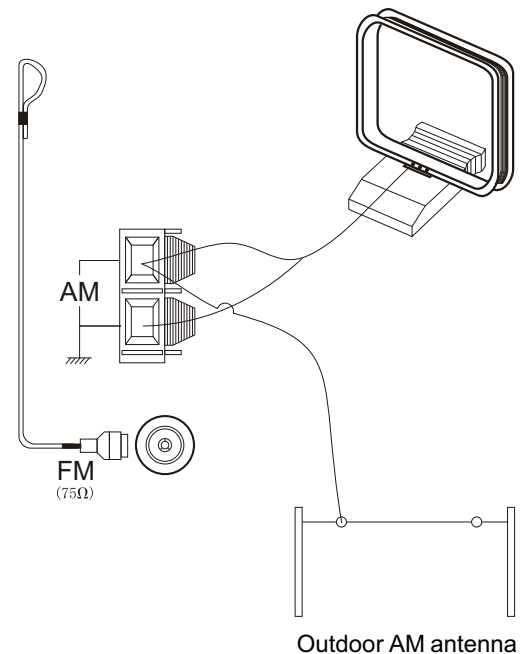


FM Indoor Antenna

The FM antenna should be fully extended and in a direction that provides the clearest signal. Secure the antenna ends in a location where distortion is a minimum. If reception remains poor, an outdoor antenna may be necessary.

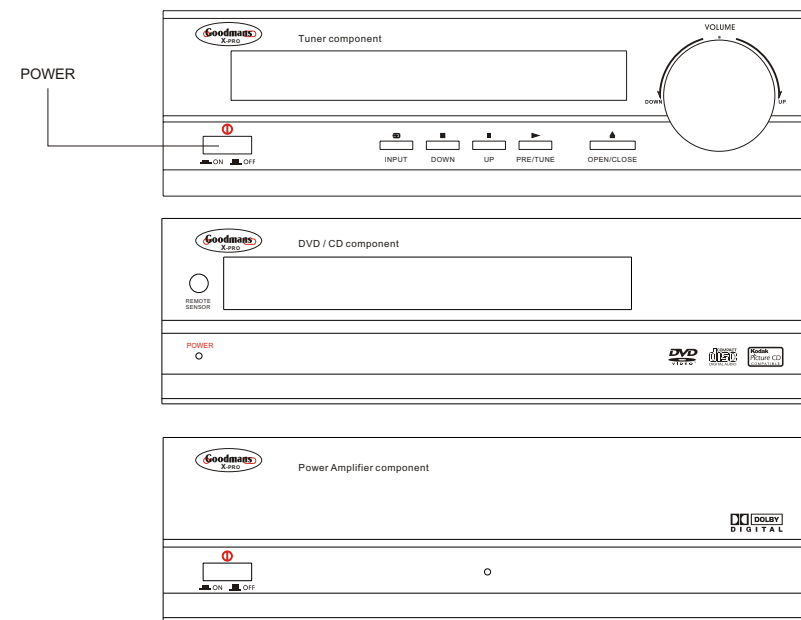
To connect the FM antenna:

1. Open cable terminal by pressing back on tab
2. Insert wire end
3. Release tab; make sure wire is in terminal securely



Outdoor FM antenna

CONNECTING POWER SUPPLY



Before plugging the power cord into the AC outlet, check to make sure all of the connections have been properly completed. When they have been, carefully plug power cord into outlet.

Press the POWER button on the front panel to power the unit. The display panel will light.

When the unit is initially powered, a brief surge of electricity may cause interference with other electronic equipment on the same circuit. If this occurs, connect the unit to an outlet on a different circuit.

BASIC OPERATION

Selecting Sound Source

1. Press any function button (DVD, AM/FM, AUX1, AUX2) to select the desired sound source. The appropriate symbol will appear in the display.
2. When the AM/FM tuner button is pressed, the last station listened to will play.

Note: The desired program source will not play unless it and the selected signal button coincide with the active program source signal input.

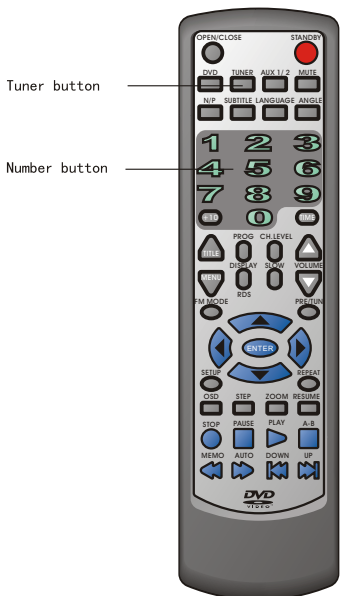
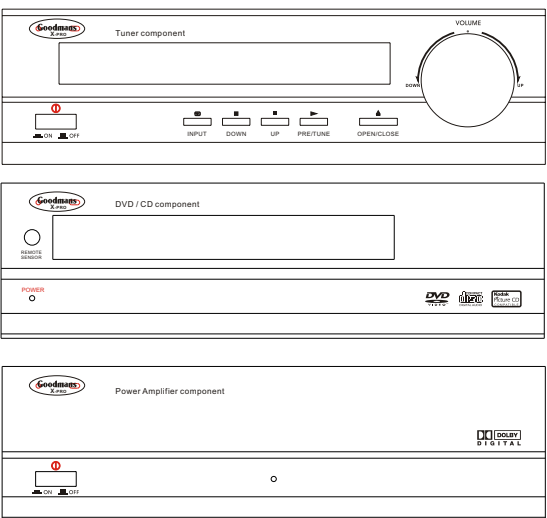
Volume Control

The volume may be adjusted by either turning the large volume knob on the front panel or using the appropriate volume button on the remote control.

Mute

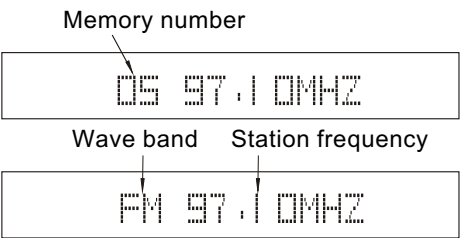
Pressing the MUTE button temporarily mutes every speaker. To resume audio, press MUTE button again.

PLAYING THE RADIO



Automatic Tuning

This unit will store up to 50 individual AM or 50 individual FM radio stations in its memory.



1. Press the AUTO button. The word AUTO will appear in the display and the automatic tuning mode is activated.
2. Stations will be stored in ascending order until 50 stations of that particular wave band have been saved. When a station is stored, the memory storage number, as well as the station's frequency, will flash for four seconds in the display.
3. When the total number of stations reaches 50, in a particular wave's (AM or FM) memory, no further station in that wave band will be saved.

To Play Preset Stations

1. Press the TUNER button to select the desired wave band.
2. Press the PRE/TUN button.
3. Press any of the numbered buttons to select the desired station's memory number. For example, to play the station at memory #5, simply press the 5 button; for memory #17, press the 1 button followed by the 7 button.
4. Stations in the memory function may also be accessed by pressing the UP or DOWN button.

Basic function of RDS(radio data system)

1. Identify the broadcasting-station
2. Identify the program
3. Display the complex information
4. Time display

Operation:

RDS button can be applied while the signal with RDS received from broadcasting station and the station will be identified automatically. You can check the time, complex information, the program and frequency of the station by pressing RDS button. Once the RDS signal disappears the function should not be available.