Mini Home Theater
OWNER'S MANUAL
MODEL: MBD102I

MBD102-A0I/D0I/X0I
MBS102V

MBD62I

MBD62-A0I/D0I/X0I
MBS62V

Before connecting, operating or adjusting this product, please read this instruction booklet carefully and completely.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

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

This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of 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 product.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING: Do not install this equipment in a confined space such as a book case or similar unit.

CAUTION: Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over heating.
The openings should be never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction have been adhered to.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
CLASSE 1 PRODUIT LASER

CAUTION:
This product employs a Laser System.
To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service center.
Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.
To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. DO NOT STARE INTO BEAM.

CAUTION: The apparatus should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.

CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit;
That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized LG Service Centre.

Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 89/336/EEC, 93/68/EEC and 2006/95/EC.

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Maintenance and Service

Refer to the information in this chapter before contacting a service technician.

Handling the unit

When shipping the unit

Please save the original shipping carton and packing materials. If you need to ship the unit, for maximum protection, re-pack the unit as it was originally packed at the factory.

Keeping the exterior surfaces clean

- Do not use volatile liquids such as insecticide spray near the unit.
- Do not leave rubber or plastic products in contact with the unit for a long period of time. since they leave marks on the surface.

Cleaning the unit

To clean the player, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution.
Do not use strong solvents such as alcohol, benzine, or thinner, as these might damage the surface of the unit.

Maintaining the Unit

The unit is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality could be diminished.
Depending on the operating environment, regular inspection and maintenance are recommended after every 1,000 hours of use.
For details, please contact your nearest authorized service center.

Introduction

Before use

To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference.
This manual provides information on the operation and maintenance of your unit. Should the unit require service, contact an authorized service location.

About the ✋ Symbol Display

" ✋ " may appear on your TV display during operation and indicates that the function explained in this owner's manual is not available on that specific DVD video disc.

Symbol Used in this Manual

Note:
Indicates special notes and operating features.

Tip:
Indicates tips and hints for making the task easier.

A section whose title has one of the following symbols is applicable only to the disc represented by the symbol.

⚠ Indicates hazards likely to cause harm to the unit itself or other material damage.

DVD DVD and finalized DVD±R/RW
VCD Video CDs
ACD Audio CDs
MP3 MP3 files
WMA WMA files
JPEG JPEG files
DivX DivX files

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Types of Playable Discs

DVD VIDEO	DVD (8 cm / 12 cm disc)
COMPACT disc DIGITAL VIDEO	Video CD (VCD) (8 cm / 12 cm disc)
COMPACT disc DIGITAL AUDIO	Audio CD (8 cm / 12 cm disc)

In addition, this unit can play a DVD±R/RW, SVCD and CD-R or CD-RW that contains audio titles, MP3, WMA, JPEG or DivX files.

Note:
- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD±R/RW) disc itself, some CD-R/RW (or DVD±R/RW) discs may not be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart shaped or octagonal). It may result in malfunctions.

Regional Code

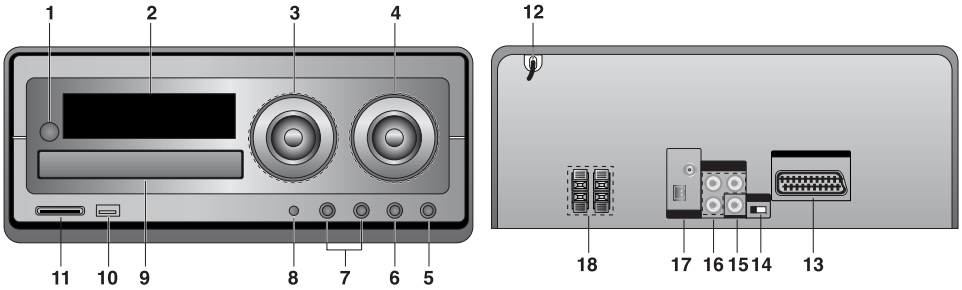
This unit has a regional code printed on the bottom of the unit. This unit can play only DVD discs labeled as the same as the rear of the unit or "ALL".

Note on Regional Codes
- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your DVD player's regional code or the disc cannot play.
- If you try to play a DVD with a different regional code from your player, the message "Check Regional Code" appears on the TV screen.

POWER SAVE MODE
You can set up the unit into an economic power save mode.
In power-on status, press and hold ⏻/❙ on the front panel (**POWER** on the remote control) for about 3 seconds.
- Nothing is displayed in the display window when the unit enters the power save mode.

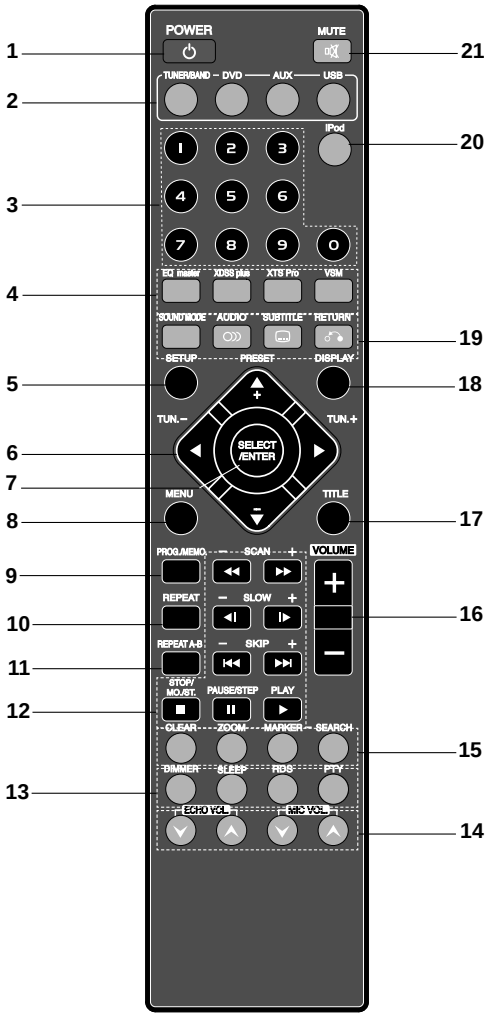
To cancel power save mode, press ⏻/❙ on the front panel (**POWER** on the remote control).

Front Panel/ Back Panel



1. ⏻/I (POWER)
2. Display window
3. • VOLUME
   • I◀◀ /▶▶I(SKIP/SCAN)
   • TUN. (-/+) (TUNER)
   • ▶/II (PLAY/PAUSE)
   • ■ (STOP)
   • MO./ ST. (MONO/ STEREO)
4. • MIC VOLUME KNOB
   • FUNC. (FUNCTION)
   (FM, AM, DVD/CD, USB, AUX - OPT (Optional) , OSD iPod, PORTABLE, TV-AUDIO)
   • CLOCK
   • TIMER
   • SET/ RDS(Optional)
5. PHONES
   (Headphone jack : ∅ 3.5mm)
6. PORTABLE IN jack
7. MIC1/ MIC2 (MIC Jacks)
8. • OPEN/CLOSE
   • DEMO
9. DISC TRAY
10. USB connector
11. iPod connector
12. Power cord
13. OUTPUT (TO TV) EURO AV socket
14. VIDEO OUT SELECTOR switch
15. VIDEO OUT connector
16. COMPONENT VIDEO OUT
    (PROGRESSIVE SCAN) connector (Y P_B P_R)
17. Antenna terminal
18. Speaker terminal

Remote Control

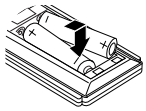


1. POWER button
2. FUNCTION SELECT buttons
   (TUNER/BAND, DVD, AUX, USB)
3. NUMERIC buttons (0-9)
4. EQ master, XDSS plus, XTS Pro, VSM buttons
5. SETUP button
6. • ARROW buttons (▲ / ▼ / ◄ / ►)
   (Selects an option in the menu.)
   • PRESET (-/+) buttons (▲ / ▼)
   • TUN. (-/+) buttons (◄ / ►)
7. SELECT/ ENTER button
8. MENU button
   (Use the MENU button to display the menu screen included on DVD video discs.)
9. PROG./MEMO. button
10. REPEAT button
11. REPEAT A-B button
12. • SCAN (◄◄/►►) buttons
    • SLOW (◄II/II►) buttons
    • SKIP (I◄◄ /►►I) buttons
    • STOP (■)/MO.ST. button
    • PAUSE(II)/ STEP button
    • PLAY (►) button
13. • DIMMER button
    • SLEEP button
    • RDS, PTY button - optional
14. ECHO VOL. (◡/◠), MIC VOL. (◡/◠) buttons
15. • CLEAR button
    • ZOOM button
    • MARKER, SEARCH buttons
16. VOLUME -/+ buttons
17. TITLE button
    (Use the TITLE button to display the title screen included on DVD video discs.)
18. DISPLAY button
19. • SOUND MODE button
    • AUDIO ( ) button
    • SUBTITLE ( ) button
    • RETURN ( ) button
20. iPod button
21. MUTE ( )button

Remote Control Operation Range

Point the remote control at the remote sensor and press the buttons.

- **Distance:** About 23 ft (7 m) from the front of the remote sensor
- **Angle:** About 30° in each direction in front of the remote sensor



Remote control battery installation

Remove the battery cover on the rear of the remote control, and insert two R03 (size AAA) batteries with ⊕ and ⊖ aligned correctly.

⚠ **Caution**

Do not mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.).

Installation and Setup

TV Connection

Make one of the following connections, depending on the capabilities of your existing equipment.

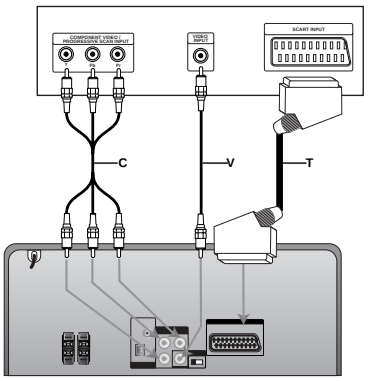
Tip:

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the unit. Use one of the connections described below.
- Please refer to the manuals of your TV, VCR, Stereo System or other devices as necessary to make the best connections.

Caution:

- Make sure the unit is connected directly to the TV. Select an exact AV input on your TV.
- Do not connect your unit to TV via your VCR. The DVD image could be distorted by the copy protection system.

Rear of TV



Video connection

Connect the VIDEO OUT jack from the unit to the VIDEO IN jack on the TV using the video cable **(V)**.

Component Video connection

Connect the COMPONENT VIDEO OUT jacks from the unit to the corresponding jacks on the TV using an Y P_B P_R cable **(C)**.

- If your television is a high-definition or “digital ready” television, you may take advantage of the DVD/CD Receiver’s progressive scan output for higher video resolution.
- If your TV does not accept your resolution setting, abnormal picture appears on the screen. Please read owner’s manual for TV then set the resolution that your TV can accept.

SCART connection

Connect the EURO AV (TO TV) socket on the DVD/CD Receiver to the corresponding jacks on the TV using the scart cable **(T)**.

Note:

A picture via scart input is not supported.

⚠ ***Caution***

VIDEO OUT SELECTOR switch



In power-off state, select either COMPONENT VIDEO OUT (PROGRESSIVE SCAN) or SCART signal of EURO AV (TO TV) terminal depending on how to connect the unit to the TV.

Selecting input source

You can use VCRs or other units connected to the EURO AV (TO TV) connector. Refer to the Owner’s Manual supplied with the unit for further information on the operation.

Press AUX on the remote control.

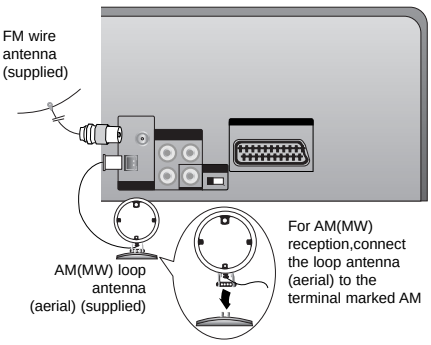
TV-AUDIO : for selecting the TV audio signal from SCART.

Note:

You can also select the input source by pressing repeatedly FUNC. on the front panel.

Antenna (Aerial) Connection

Connect the supplied FM/AM antennas for listening to the radio.

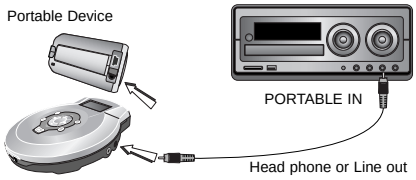


Note:

- To prevent noise pickup, keep the AM loop antenna away from the unit and other components.
- Be sure to fully extend the FM wire antenna.
- After connecting the FM wire antenna, keep it as horizontal as possible.

PORTABLE Function

When you connect a portable music playing device to the PORABLE IN jack on this device by using a ∅3.5mm mini stereo cable (not supplied), you can hear the sound being outputted from the portable device through the speaker.



1. Connect the PORTABLE IN jack on this device to a headphone jack or line out on another portable one by using a cable.
2. Press **AUX** repeatedly to select PORTABLE function.
3. Start playing the connected portable device.
4. Adjust the volume by using **VOLUME**.

Note:

The "∅3.5mm mini stereo" is sold separately.

Headphone Jack

Connect a stereo headphone plug (∅3.5mm) into the headphone jack.
Connecting headphones will switch off the speakers

Using Microphone

You can sing with a music source by connecting a microphone to the unit.

1. Connect your microphone to the MIC1/ MIC 2 Jacks.
   "MIC IN" and " " will be shown in the display window.
2. Play a music you want.
3. Sing along with the accompaniment.
   Adjust the microphone volume by pressing **MIC VOL.** button (or turning MIC VOLUME KNOB).
   (MIN,1 - 14, MAX steps)

Note:

- When not using the microphone, set the **MIC VOL.** to minimum or turn off the MICs and remove the microphone from the MIC Jacks.
- If the microphone is set too near the speaker, a howling sound may be produced. In this case, move the microphone away from the speaker or decrease the sound level by using **MIC VOL.**.
- If sound through the microphone is extremely loud, it may be distorted. In this case, decrease MIC volume.

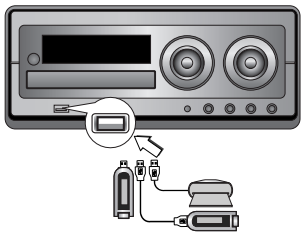
To Adjust ECHO Volume

You can give an echo effect to the sound from the microphones.

Press **ECHO VOL.** (◡/◠) on the remote control to increase the echo volume or decrease it.
(MIN,1 - 14, MAX steps)

USB Function

You can enjoy the media files such as pictures (JPG), movies (Video file) and tunes (MP3/WMA file) saved in an MP3 player or USB memory by connecting storage devices to the USB port of this unit.



Compatible Devices

1. Devices which require additional program installation when you have connected it to a computer, are not supported.
2. MP3 Player : Flash type MP3 player.
   • The MP3 player requiring installation of a driver is not supported.
3. USB Flash Drive : Devices that support USB2.0 or USB1.1.

Basic Playback

1. Connect the USB device to the USB port of your unit.
2. Press **USB** to select USB function.
3. Press **PLAY**

Note:

Besides Basic Playback, If you want to operate other functions, see the CD Playback section. Refer to the page 15, 16, and 17.

To Remove the USB from the unit

1. Choose the other functions except USB function in order to remove the USB.
2. Remove the USB from the unit.

Note:

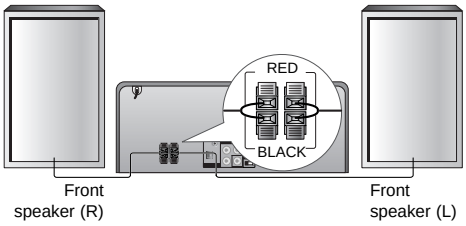
- **Do not extract the USB device in operating.**
- A back up demands to prevent a data damage.
- If you use a USB extension cable or USB hub, the USB device might not be recognized.
- A device using NTFS file system is not supported. (Only FAT (16/32) file system is supported.)
- The USB function of this unit does not support all USB devices.
- Digital camera and mobile phone are not supported.
- This unit is not supported when the total number of files is 1000 or more.
- If the drive of USB device is two or more, a drive folder is displayed on the screen. If you want to move to the previous menu after you select a folder, press RETURN.

Speaker System Connection

Connect the speaker cable to the speaker terminal.

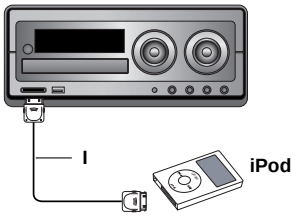
Note:

- Be sure to match the speaker cable to the appropriate terminal on the components: + to + and – to –. If the cords are reversed, the sound will be distorted and will lack base.
- Connect the Left/ Right speaker correctly. If it reversed, the sound may be distorted.



iPod connection

Connect the iPod connector on the front of the unit to the dock connector of iPod using an iPod cable **(I)**.



Note:

- Depending on the type of iPod, you may need to insert one of the dock adapters into the dock slot before you station your iPod.
- Adjust the volume to a moderate level before you connect your iPod and this unit.

Setting the Clock

1. Press **CLOCK**.
2. Select a 24 hour time system or a 12 hour time system by pressing **I◀◀ /▶▶I**.



(12HR) or (24HR)

3. Press **SET** to confirm the selected hour time system.
4. Press **I◀◀ /▶▶I** on the front panel to set the correct hours.
5. Press **SET**.
6. Press **I◀◀ /▶▶I** on the front panel to set the correct minutes.
7. Press **SET** and the correct time is shown on the display window.
8. Press **CLOCK** at any time to display the time for about 5 seconds.

Note:

If you want to reset the clock, press and hold **CLOCK** for more than 2 seconds.

Timer Function

With the TIMER function, you can have the radio reception, CD play and USB play turned on and off at the desired time.

1. Press **CLOCK** to check the current time. (If you don't set clock, the timer function doesn't work.)
2. Press **TIMER** to enter the timer setting mode. If you want to correct the previous memorized TIMER setting, press and hold the **TIMER** for more than 2 seconds.
   - The previously memorized timer on the time and "◷" indicator appears in the display window.
3. Each function (TUNER → DVD/CD → USB) flashes in the display window in turn. Press **SET** when the desired function is flashing.
4. a. When you select the TUNER function, select the previously memorized preset number by pressing **I◀◀ / ▶▶I** on the front panel and press **SET**.
      - "ON TIME" indicator appears for about 0.5 seconds in the display window and then disappears.

   b. When you select the DVD/CD or USB function,
      - "ON TIME" indicator appears for about 0.5 seconds in the display window and then disappears.
5. Set the hour to switch on by pressing **I◀◀ /▶▶I** on the front panel.
6. Press **SET**.
7. Set the minute to switch on by pressing **I◀◀ /▶▶I** on the front panel.
8. Press **SET**.
   - "OFF TIME" indicator appears for about 0.5 seconds in the display window and then disappears.
9. Set the hour to switch off by pressing **I◀◀ /▶▶I** on the front panel.
10. Press **SET**.
11. Set the minute to switch off by pressing **I◀◀ /▶▶I** on the front panel.
12. Press **SET**.
13. Adjust the volume level by pressing **I◀◀ /▶▶I** on the front panel.
14. Press **SET**.
    "◷" appears in the display window and the timer setting has been completed.
15. Switch the system off.
    The selected function is automatically switched on and off at the time set.

To cancel or check the timer

Each time the **TIMER** is pressed you can select the timer set or cancel. You can also check the timer setting status.

To activate or check the timer, press the **TIMER** that "◷" appears in the display window.

To cancel the TIMER, press the **TIMER** that "◷" disappears in the display window.

Note:

- If you insert the DVD,VCD or DivX except audio CD/MP3/WMA on the unit, the timer function will be operated to the TUNER.
- This is not supported in the multi card reader.

Sleep Timer Function

When the sleep timer is used, the power is automatically turned off after the specified time has elapsed.

1. Press **SLEEP** to set the desired sleep time. The SLEEP indicator and sleep time appears in the display window.
2. Each time you press **SLEEP** the setting changes in the following order.
   SLEEP 180 (minutes) →150 (minutes) →120 (minutes) → 90 (minutes) → 80 (minutes) → 70 (minutes) →60 (minutes) →50 (minutes) → 40 (minutes) →30 (minutes) → 20 (minutes) → 10 (minutes) →OFF (No display)

Note:

If you press **SLEEP** while the sleep time is displayed, the SLEEP time is reset.

To cancel the sleep timer mode

If you have to stop the function, press the **SLEEP** repeatedly until "SLEEP 10" appears, and then press **SLEEP** once again while "SLEEP 10" is displayed.

Displaying Disc Information On - screen

You can display various information about the disc loaded on-screen.

1. Press **DISPLAY** to show various playback information.
   The displayed items differ depending on the disc type or playing status.
2. You can select an item by pressing ▲ / ▼ and change or select the setting by pressing ◄ / ►.
   - Title (Track) – Current title (or track) number/ total number of titles (or tracks).
   - Chapter – Current chapter number/total number of chapters.
   - Time – Elapsed playing time.
   - Audio – Selected audio language or channel.
   - Subtitle – Selected subtitle.
   - Angle – Selected angle/ total number of angles.
   - Sound – Selected sound mode.

Note:
If any button is not pressed for a few seconds, the on-screen display disappears.

Initial Settings

By using the Setup menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup menu, among other things. For details on each Setup menu item, see the pages 11 to 14.

To display and exit the Menu:
Press **SETUP** to display the menu. A second press of SETUP will take you back to initial screen.

To go to the next level: Press ►.
To go back to the previous level: Press ◄.

GENERAL OPERATION

1. Press **SETUP**. The Setup menu appears.
2. Use ▲ / ▼ to select the desired option then press ► to move to the second level. The screen shows the current setting for the selected item, as well as alternate setting(s).
3. Use ▲ / ▼ to select the second desired option and then press ► to move to the third level.
4. Use ▲ / ▼ to select the desired setting then press **SELECT/ENTER** to confirm your selection. Some items require additional steps.
5. Press **SETUP** or **PLAY** to exit the Setup menu.

LANGUAGE



OSD

Select a language for the Setup menu and the on-screen display.

Disc Audio / Subtitle / Menu

Select the language you prefer for the audio track (disc audio), subtitles, and the disc menu.

Original – Refers to the original language in which the disc was recorded.

Other – To select another language, press numeric buttons and then **SELECT/ENTER** to enter the corresponding 4-digit number according to the language code list on the page 25. If you enter the wrong language code, press **CLEAR**.

DISPLAY



TV Aspect

4:3 – Select when a standard 4:3 TV is connected.

16:9 – Select when a 16:9 wide TV is connected.

Display Mode

The display Mode setting works only when the TV Aspect mode is set to “4:3”.

Letterbox – Displays a wide picture with bands on the upper and lower portions of the screen.

Panscan – Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.

Progressive Scan

Progressive Scan Video provides the highest quality pictures with less flickering.

If you are using the COMPONENT VIDEO OUT jacks, but are connecting the unit to a standard (analog) television, set Progressive Scan to Off.

If you are using the Component Video jacks for connection to a TV or monitor that is compatible with a progressive scan signal, set Progressive Scan to On.

To Turn ON progressive scan:

Connect component out of the unit to the input of your monitor/television, set your television or monitor to Component Input.

1. Select “Progressive Scan” on the DISPLAY menu then press ►.
2. Select “On” using ▲ / ▼.
3. Pressing **SELECT/ENTER** will set the player to Progressive scan mode.

Note:

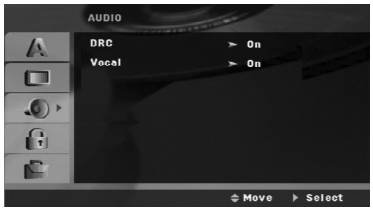
Progressive Scan cannot be selected in the setup menu when the VIDEO OUT SELECTOR switch is set at SCART position.

Caution:

Once the setting for progressive scan output is entered, an image will only be visible on a progressive scan compatible TV or monitor. If you set Progressive Scan to On in error, you must reset the unit. First, remove the disc in the unit. Next, press **STOP**(■) and hold it for five seconds before releasing it. The video output will be restored to the standard setting, and a picture will once again be visible on a conventional analog TV or monitor.

AUDIO

Each DVD disc has a variety of audio output options. Set the unit's AUDIO options according to the type of audio system you use.



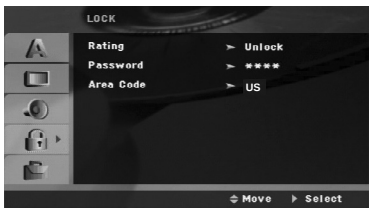
Dynamic Range Control (DRC)

With the DVD*1 format, you can hear a program's soundtrack in the most accurate and realistic presentation, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). Then, you may listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.
*1: Dolby Digital only

Vocal

Set Vocal to On only when a multi-channel karaoke DVD is playing. The karaoke channels on the disc will mix into normal stereo sound.

LOCK (Parental Control)



Rating

Blocks playback of rated DVDs based on their contents. Not all discs are rated.

1. Select "Rating" on the LOCK menu then press ►.
2. To access the LOCK options, you must input the password you have created. If you have not yet entered password, you are prompted to do so.

   Input a password and press **SELECT/ENTER**. Enter it again and press **SELECT/ENTER** to verify. If you make a mistake before pressing **SELECT/ENTER**, press **CLEAR**.
3. Select a rating from 1 to 8 using ▲ / ▼.

   Rating 1-8: Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.

   Unlock: If you select unlock, parental control is not active and the disc plays in full.
4. Press **SELECT/ENTER** to confirm your rating selection, then press **SETUP** to exit the menu.

Password

You can enter or change password.

1. Select "Password" on the LOCK menu and then press ►.
2. Follow the step 2 as shown above (Rating).

   To change the password, press **SELECT/ENTER** when the "Change" option is highlighted. Input a password and press **SELECT/ENTER**. Enter it again and press **SELECT/ENTER** to verify.
3. Press **SETUP** to exit the menu.

If you forget your password

If you forget your password, you can clear it using the following steps:

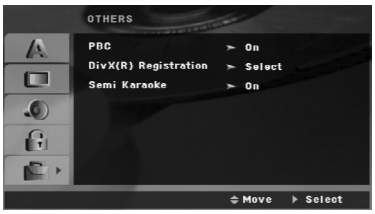
1. Press **SETUP** to display the Setup menu.
2. Input the 6-digit number "210499" and press **SELECT/ENTER**. The password is cleared.

Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 25.

1. Select "Area Code" on the LOCK menu then press ►.
2. Follow the step 2 as shown previous paragraph (Rating).
3. Select the first character using ▲ / ▼.
4. Press ► and select the second character using ▲ / ▼.
5. Press **SELECT/ENTER** to confirm your Area code selection.

OTHERS



PBC

Set Playback Control (PBC) to On or Off.

On: Video CDs with PBC are played according to the PBC.

Off: Video CDs with PBC are played in the same way as Audio CDs.

DivX(R) Registration

We provide you the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos based on the DivX® VOD service. For more information, visit www.divx.com/vod.

1. Select “DivX(R) Registration” option and then press ►.
2. Press **SELECT/ENTER** while “Select” is selected and the registration code will appear.
   Use the registration code to purchase or rent the videos from DivX® VOD service at www.divx.com/vod. Follow the instructions and download the video onto a disc for playback on this unit.
3. Press **SELECT/ENTER** to exit.

Note:

All the downloaded videos from DivX® VOD can only be played back on this unit.

Semi Karaoke

When a chapter/ title / track is fully finished ,this function shows the score in the screen with a fanfare sound.

On : Turn the “Semi Karaoke”function on. When you finished singing a score will appear on the screen.

Off : Turn the “Semi Karaoke” function off. Fanfare and score do not appears on the screen

Available discs for the Semi Karaoke function:

- DVD discs
- DVD Karaoke Discs
- VCD discs with more than 2 tracks

Note:

- This function operate on the DVD/CD mode.
- The Semi Karaoke function is available only when a microphone is connected.
- Watching movies, “off” the Semi Karaoke at the SETUP menu or enjoy it without connecting the MIC if the fanfare or score appears during changing a chapter.

Operation

General features

Buttons	Operations	Discs
OPEN / CLOSE	Opens or closes the disc tray.	ALL
❚❚ (PAUSE)	During playback, press ❚❚ to pause playback.	ALL
	Press ❚❚ repeatedly to play Frame-by-Frame.	DVD VCD DivX
SKIP (⏮ / ⏭)	During playback, press **SKIP** (⏮ or ⏭) to go to the next chapter/track or to return to the beginning of the current chapter/track. Press **SKIP** ⏮ twice briefly to step back to the previous chapter/track.	ALL
SCAN (◀◀ / ▶▶)	During playback, press **SCAN** (◀◀ or ▶▶) repeatedly to select the required scan speed. DVD : ◀◀, ◀◀◀, ◀◀◀◀, ◀◀◀◀◀, ◀◀◀◀◀◀ or ▶▶, ▶▶▶, ▶▶▶▶, ▶▶▶▶▶, ▶▶▶▶▶▶ DivX disc, Video CD : ◀◀, ◀◀◀, ◀◀◀◀, ◀◀◀◀◀ or ▶▶, ▶▶▶, ▶▶▶▶, ▶▶▶▶▶ WMA/MP3, Audio CD : ◀◀(X2, X4, X8) or ▶▶(X2, X4, X8)	DVD MP3 DivX ACD VCD WMA
REPEAT	During playback, press **REPEAT** repeatedly to select a desired repeat mode. DVD Video discs: Chapter/Title/Off Video CD, Audio CD, DivX/MP3/WMA discs: Track/All/Off	DVD MP3 DivX ACD VCD WMA
REPEAT A-B	During playback, press **REPEAT A-B** to select a point A and a point B and repeats a sequence from point A (Starting point) to point B (End point). Press **REPEAT A-B** to exit.	DVD VCD
ZOOM	During playback or in the pause mode, press **ZOOM** to the video image (3 steps). You can move through the zoomed picture using ◄ ► ▲ ▼.	DVD VCD
TITLE	If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may appears.	DVD
MENU	The disc menu appears on the screen.	DVD
(SUBTITLE)	During playback, press **SUBTITLE** repeatedly to select a desired subtitle language.	DVD DivX
(AUDIO language)	During playback, press **AUDIO** repeatedly to hear a different audio language or audio track.	DVD DivX
(AUDIO channel)	Press **AUDIO** repeatedly during playback to hear a different audio channel (STEREO., LEFT or RIGHT).	VCD
SLOW	Press **SLOW** (◀❚ or ❚▶) to select required speed. DVD : ◀❚ (1/2, 1/4, 1/8, 1/16) or ❚▶ (1/2, 1/4, 1/8, 1/16) Video CD : ❚▶ (1/2, 1/4, 1/8, 1/16)	DVD VCD

Notes on general features:

- Zoom may not work on some DVDs.
- The A-B repeat function is available only in the current title.
- If you want to operate REPEAT on VCD, you can use it after PBC is set to “off” on the SETUP MENU.

Additional features

Time Search DVD VCD DivX

To start playing at any chosen time on the disc:

1. Press **DISPLAY** during playback.
2. Press ▲ / ▼ to select the time clock icon and "--:--:--" appears.
3. Input the required start time in hours, minutes, and seconds. If you enter the wrong numbers, press **CLEAR** to remove the numbers you entered. Then input the correct numbers.
4. Press **SELECT/ENTER** to confirm. Playback starts from the selected time.

Marker Search DVD VCD DivX

To enter a Marker

You can start playback from up to nine memorized points. To enter a marker, press **MARKER** at the desired point on the disc. The Marker icon appears on the TV screen briefly. Repeat to enter up to nine markers.

To Recall or Clear a Marked Scene

1. During disc playback, press **SEARCH**. The marker search menu appears on the screen.
2. Within 10 seconds, press ◄ / ► to select a marker number that you want to recall or clear.
3. Press **SELECT/ENTER** and playback starts from the marked scene. Or press **CLEAR** and the marker number is erased from the list.
4. You can play any marker by inputting its number on the marker search menu.

Screen Saver

The screen saver appears when you leave the unit in Stop mode for about five minutes.

Last Scene Memory DVD

This unit memorizes the last scene from the last disc that is viewed. The last scene remains in the memory even if you remove the disc from the unit or switch off the unit. If you load a disc that has the scene memorized, the scene is automatically recalled.

Note:

This unit does not memorize the scene of a disc if you switch off the unit before commencing to play the disc.

1.5 speed playback

DVD VCD MP3 WMA ACD

You can quickly enjoy a music and movie.
The 1.5 speed allows you to watch the pictures and listen to the sound quicker than playing at a normal speed on the disc.

1. Press **PLAY** during the normal playback. The screen will appear at 1.5 speed with sound .
2. To return to the normal PLAY, press **PLAY**.

System Select

You must select an appropriate system mode for your TV system. If NO DISC appears in the display window, press and hold PAUSE/STEP for more than 5 seconds to select a system (PAL, NTSC or AUTO).

- When the selected system is not compatible with the system of your TV, normal colour picture may not be displayed.

NTSC: Select when unit is connected with NTSC-TV.

PAL: Select when unit is connected with PAL-TV.

AUTO: Select when unit is connected with Multi system TV.

Playing an Audio CD or MP3/WMA file

This unit can play Audio CDs or MP3/WMA files.

MP3/ WMA/ Audio CD
Once you insert an MP3/WMA files recording media Audio CD, a menu appears on the TV screen.
Press ▲ / ▼ to select a track/file and then press **PLAY** or **SELECT/ENTER**, and playback starts. You can use variable playback functions. Refer to the page 15, 16.

ID3 TAG
When playing a file containing information such as track titles, you can see the information by pressing DISPLAY repeatedly. The information [Folder and file name, Song, Artist, Album, Genre, Comment, Time information] of the MP3/WMA file will be shown in the display window or TV screen.
To move to next or previous files, press the SKIP (I◀◀ / ▶▶I) button.

Tip:

- Press **MENU** to move to the next page.
- On a CD with MP3/WMA and JPEG, you can switch MP3/WMA and JPEG. Press **TITLE**, and MUSIC or PHOTO word on top of the menu is highlighted.

MP3 / WMA disc compatibility with this player is limited as follows:
- Sampling frequency: within 32 - 48 kHz (MP3), within 24 - 48kHz (WMA)
- Bit rate: within 32 - 320kbps (MP3), 40 - 192kbps (WMA)
- The unit cannot read an MP3/WMA file that has a file extension other than ".mp3" / ".wma".
- CD-R physical format should be ISO 9660
- If you record MP3 / WMA files using software that cannot create a file system (eg. Direct-CD) it is impossible to playback MP3 / WMA files.We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.
- File names should have a maximum of 8 letters and must incorporate an .mp3 or .wma extension.
- They should not contain special letters such as / ? * : " < > l etc.
- The total number of files on the disc should be less than 999.

This unit requires discs and recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 or WMA files) and these require certain pre-existing conditions (see above) to ensure compatible playback.

Customers should note that permission is required in order to download MP3 / WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.

Programmed Playback

The program function enables you to store your favorite tracks from any disc in the unit memory. A program can contain 300 tracks.

1. Insert a disc.
   Audio CD and MP3/WMA discs:
2. Select a track on the "List", and then press **PROG.MEMO.** or select "♫➡ (Add)" icon and then press **SELECT/ENTER** to place the selected track on the "Program" list. Repeat to place additional tracks on the list.

Note:

You can add all tracks in the disc. Select "♫♫➡ (Add All)" icon then press **SELECT/ENTER**.

3. Select the track you want to start playing on the "Program" list. Press **MENU** to move to the next page.
4. Press **PLAY** or **SELECT/ENTER** to start. Playback begins in the order in which you programmed the tracks. Playback stops after all of the tracks on the "Program" list have played once.
5. To resume normal playback from programmed playback, select a track of AUDIO CD (or MP3/WMA) list and then press **PLAY**.

Repeat Programmed Tracks

1. Press **REPEAT** when playing a disc. The repeat icon appears.
2. Press **REPEAT** to select a desired repeat mode.
   - TRACK: repeats the current track
   - ALL: repeats all the tracks on programmed list.
   - Off(No display): does not play repeatedly.

Erasing a Track from "Program" List

1. Use ▲▼ to select the track that you wish to erase from the Program list.
2. Press **CLEAR**. Alternatively, select "♫🗑 (Delete)" icon then press **SELECT/ENTER** to place the selected track on the Program list. Repeat to erase additional tracks on the list.

Erasing the Complete Program List

Use ▲ / ▼ to select "♫♫🗑 (Del all)" and then press **SELECT/ENTER**.

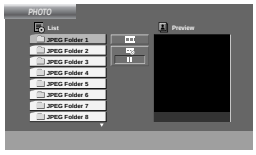
Note:

The programs are also cleared when the disc is removed.

Viewing a JPEG file

This unit can play discs with JPEG files.
Before playing JPEG recordings, read the notes on JPEG Recordings on the right.

1. Insert a disc and close the tray.
   The PHOTO menu appears on the TV screen.



2. Press ▲ / ▼ to select a folder, and then press **SELECT/ENTER**. A list of files in the folder appears.
   If you are in a file list and want to return to the previous Folder list, use ▲ / ▼ to highlight .. and press **SELECT/ENTER** or **PLAY**.
3. If you want to view a particular file, press ▲ / ▼ to highlight a file and press **SELECT/ENTER** or **PLAY**. While viewing a file, you can press **STOP** to move to the previous menu (JPEG menu).

Slide Show

Use ▲ ▼ ◄ ► to highlight the (Slide Show) then press **SELECT/ENTER** or **PLAY**.

Tip:

- There are four Slide Speed options :
  > (Slow), >> (Normal), >>> (Fast) and II (off).
  Use ▲ /▼ /◄ /► to highlight the Speed. Then, use ◄ / ► to select the option you want to use and then press **SELECT/ENTER**.
- If you set Speed option to Off, the slide show is not active.

Still Picture

1. Press **PAUSE/STEP** during the slide show.
   The unit will now enter the PAUSE mode.
2. To return to the slide show, press PLAY or press **PAUSE/STEP** again.

Moving to another File

Press **SKIP** (**I◄◄** or **►►I**) once during viewing a picture to advance to the next or previous file.

Rotating the picture

Press ▲ /▼ /◄ /► during showing a picture to rotate the picture clockwise or counter-clockwise.

Zoom

Press the **ZOOM** repeatedly.

Zoom on ⟷ Zoom off

Press ▲, ► or ►► to enlarge the photo(video) image.
Press ▼, ◄ or ◄◄ to reduce the photo(video) image.

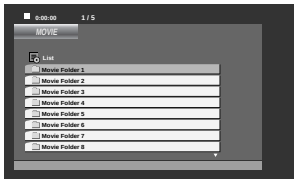
JPEG file compatibility with this player is limited as follows:

- Depending upon the size and the number of JPEG files, it could take a long time for the unit to read the disc's contents. If you don't see an on-screen display after several minutes, some of the files may be too large — reduce the resolution of the JPEG files to less than 2M pixels as 2760 x 2048 pixels and burn another disc.
- The total number of files and folders on the disc should be less than 999.
- Some discs may not operate due to a different recording format or the condition of disc.
- Ensure that all the selected files have the ".jpg" extensions when copying into the CD layout.
- If the files have ".jpe" or ".jpeg" extensions, please rename them as ".jpg" file.
- File names without ".jpg" extension will not be able to be read by this unit. Even though the files are shown as JPEG image files in Windows Explorer.

Playing a DivX Movie file

Using this unit you can play DivX file.

1. Insert a disc and close the tray. The MOVIE menu appears on the TV screen.



2. Press ▲ / ▼ to select a folder and then press **SELECT/ENTER**. A list of files in the folder appears. If you are in a file list and want to return to the Folder list, use ▲ / ▼ to highlight and press **SELECT/ENTER** or **PLAY**.
3. If you want to view a particular file, press ▲ / ▼ to highlight a file and press **SELECT/ENTER** or **PLAY**.
4. Press **STOP** to exit.

Tip:

- Press **MENU** to move to the next page.
- On a CD with MP3/WMA, JPEG and MOVIE file, you can switch MUSIC, PHOTO and MOVIE menu. Press **TITLE** and MUSIC, PHOTO and MOVIE word on top of the menu is highlighted.

Note:

- Be sure to select “SUBTITLE ON” mode by pressing the subtitle file every time before playing a DivX file .
- When the subtitle has more than two languages in the file, original subtitle is only available.
- You can not adjust sound mode and VIRTUAL sound during the DivX file playing.
- The DivX subtitle file name has to be identified with the DivX file name to display by this unit.

Notice for displaying the Divx subtitle

If the subtitle does not display properly during playback, press and hold **SUBTITLE** for about 3 seconds then press **SUBTITLE** to select another language code until the subtitle is displayed properly

DivX file compatibility with this player is limited as follows:

- Available resolution size of the DivX file is under 800x600 (W x H) pixel.
- The file name of the DivX subtitle is available by 45 characters.
- If there is impossible code to express in the DivX file, it may be displayed as " _ " mark on the display.
- **If the number of the screen frame is over 30 per 1 second, this unit may not operate normally.**
- **If the video and audio structure of recorded files is not interleaved, either video or audio is outputted.**

Playable DivX file

• ".avi ", ".mpg ", ".mpeg ", ".divx"

Playable Subtitle format

SubRip(*.srt/*.txt)
SAMI(*.smi)
SubStation Alpha(*.ssa/*.txt)
MicroDVD(*.sub/*.txt)
SubViewer 2.0(*.sub/*.txt)
VobSub(*.sub)

Playable Codec format

• "DIVX3.xx ", "DIVX4.xx ", "DIVX5.xx ", "MP43 ", "3IVX ".

Playable Audio format

• "AC3 ", "PCM ", "MP3 ", "WMA ".
  • Sampling frequency: within 32 - 48 kHz (MP3), within 24 - 48kHz (WMA)
  • Bit rate: within 32 - 320kbps (MP3), 40 - 192kbps (WMA)

Using iPod

You can enjoy playback of your iPod using the supplied remote control.

iPod is a trademark of Apple Computer, Inc, registered in the U.S. and other countries.

General operation

1. Connect your iPod and the unit with iPod cable. Refer to the page 9.
   Your iPod is automatically turned on
2. Turn the unit on.
3. Press **iPod** on the remote control to enter the iPod mode.
   The iPod menu appears on the TV screen.
   The initial screen of iPod menu is the OSD iPod mode.
4. Use ▲ / ▼ and **SELECT/ENTER** on the Remote Control to display the list of menu.
5. Press **SELECT/ENTER** to play.

General features

Remote Control buttons	iPod buttons	Operations
► (PLAY)	► II	During pause, press ► to resume playback.
II (PAUSE)	► II	During playback, press II to pause playback.
■ (STOP)	-	During playback, press ■ to stop playback. Press ENTER to resume playback.
SKIP (I◄◄ /►►I) SCAN (◄◄ / ►►)	I◄◄ /►►I	During playback, press SKIP (I◄◄ or ►►I) to go to the next track or to return to the beginning of the current track. Press SKIP I◄◄ twice briefly to step back to the previous track. Music file: During playback, press and hold SCAN (◄◄ or ►►) and then release at a point you want. Video file: During playback, press and hold SKIP (I◄◄ or ►►I) and then release at a point you want.
REPEAT	REPEAT	During playback, press REPEAT repeatedly to select a desired repeat mode. (Track/All/Off)
MENU	MENU	Moves to the previous menu.

Note:

- It works with all iPod models that have a dock connector.
- Compatibility with your iPod may vary depending on the type of your iPod.
- Depending on your iPod's software version, it may not be possible to control your iPod from the unit. We recommend installing the latest software version.
- Adjust the volume to a moderate level before you connect your iPod and this unit.
- MIC function is not supported on the iPOD mode.

Playing the iPod in the Remote iPod mode

You can operate your iPod by using the supplied remote control and controls on your iPod.

1. Press **iPod** on the Remote Control until "IPOD" appears in the display window.

   Note:
   You can select the Remote iPod mode or OSD iPod mode by pressing repeatedly iPod on the remote control.

2. Use ▲ / ▼ and **SELECT/ENTER** on the Remote Control or controls on your iPod to display the list of menu by viewing your iPod.
3. Press **SELECT/ENTER** to play.

Note:

- When you connect the unit and TV to VIDEO IN/OUT, TV screen is turned off temporarily.
- Connect the VIDEO OUT jack on the rear of the unit to the VIDEO IN jack on the TV using the video cable if you want to view the video or photo file.
- The images of video or photo files are outputted only when you connect the unit to the VIDEO OUT connector.
- You can enjoy the photo files with only slide show

Playing the iPod in the OSD iPod mode

You can operate your iPod by controlling OSD menu on the TV screen with the supplied remote control. The controls on your iPod are not operational in the OSD iPod mode.

1. Press **iPod** on the Remote Control until “OSD IPOD” appears in the display window.
2. Use ▲ / ▼ and **SELECT/ENTER** on the Remote Control to display the list of menu.
3. Press **SELECT/ENTER** to play.



Music

Classifies and plays the files by Playlists, Artists, Albums, Genres, Songs, and Composers.

Photos / Videos

The video or photo file is not played in the OSD iPod mode.
If you want to play the video or photo file, change to the Remote iPod mode.

Now Playing

Displays and plays the last played music file.

iPod message



When you connect the unit and TV to COMPONENT VIDEO IN/OUT in the Remote iPod mode, the screen on the left appears.
Connect the unit and TV to VIDEO IN/OUT.



When you select the Photos or Videos menu in the OSD iPod mode, the screen on the left appears. Change the unit to the Remote iPod mode.



When you connect the iPod that is not supported on this unit, the screen on the left appears. Depending on your iPod’s software version, it may not be possible to control your iPod from the unit. We recommend installing the latest software version.



If the power of your iPod is insufficient or the iPod is misconnected or unknown device, the screen on the left appears.

Presetting the Radio Stations

You can preset 50 stations for FM and AM. Before tuning, make sure that you have turned down the volume to the minimum.

1. Press **TUNER/BAND** to select the frequency (AM or FM) you want.
2. Select a station you want by pressing **TUN.** (-/+).
   Tuning in automatically
   - Press **TUN.** (-/+) for more than 0.5 second. Scanning stops when the unit tunes in a stations.

   Tuning in manually
   Press **TUN.** (-/+) briefly and repeatedly.
3. Press **PROG./MEMO.**.
   A preset number will flash in the display window.
4. Press **PRESET** (▲/▼) to select the preset number you want.
5. Press **PROG./ MEMO.** again.
   The station is stored.
6. Repeat the steps 1 (or 2) to 5 to store other stations.

To delete all the memorized stations

Press and hold **PROG./ MEMO.** for about two seconds, “ERASE ALL” appears in the display window and then **PROG./ MEMO.** again, the stations are deleted.

For your reference

If all stations have already been entered, “FULL” message will appear in the display window for a moment and then a preset number will flash. To change the preset number, follow the steps 4-5.

To recall presets

Press and hold **PRESET** (▲/▼) until the desired preset number appears or press it repeatedly.

Listening to the Radio

1. Press **TUNER/BAND** to select the frequency (AM or FM) you want.
   The last received station is tuned in.
2. Press **PRESET** (▲/▼) repeatedly to select the preset station you want.
   - Each time you press the button, the unit tunes in one preset station at a time.
3. Adjust the volume by pressing **VOLUME (-/+)** repeatedly.

To listen to non-preset radio stations

- For manual tuning, see “Tuning in manually” in the step 2 on left.
- For automatic tuning, see “Tuning in automatically” in the step 2 on left.

To turn off the radio

Press **POWER** to turn the unit off or select another function mode (DVD/CD, USB, AUX).

For your reference

- If an FM program is noisy;
  Press **MO./ ST.** that “STEREO” appears in the display window. There will be no stereo effect, but the reception will be improved.
  Press **MO./ ST.** again to restore the stereo effect.
- To improve reception;
  Reposition the supplied antennas.

RDS Operation - Optional

This unit is equipped with RDS (Radio Data System), which brings a wide range of information to FM radio. Now in use in many countries, RDS is a system for transmitting station call signs or network information, a description of station programme type text message about the station or specifics of musical selection and the correct time.

RDS TUNING

When a FM station is tuned in and it contains RDS data, the unit will automatically display the station's call sign and the RDS indicator will light in the Display Window as well as indicators for the RDS services programme (PS), programme type recognition (PTY), Radiotext (RT) and Clock Time (CT) if transmitted by the station.

RDS DISPLAY OPTIONS

The RDS system is capable of transmitting a wide variety of information in addition to the initial call sign that appears when a station is first tuned. In normal RDS operation the display will indicate the station name, broadcast network or call letters. Pressing **RDS** enables you to cycle through the various data types in the sequence:

(PS → FREQUENCY → PTY → RT → CT)

- **PS (Programme Service name)-** The name of the channel is shown in the Display Window.
- **PTY (Programme type recognition)-** The name of the programme type is shown in the Display Window.
- **RT (Radiotext)-** A "text" message contains special information from the broadcast station. Note that this message may scroll across the display to permit message.
- **CT (Time controlled by the channel)-** Enables the unit to receive the actual time and show it in the Display Window.

Note:

Some RDS stations may not choose to include some of these additional features. If the data required for the selected mode is not being transmitted, the Display Window will show a **PTY NONE, RT NONE, CT NONE, PS NONE** message.

Programme Search (PTY)

A major benefit of RDS is its ability to encode broadcasts with Programme Type (PTY) codes that indicate the type of material being broadcast. The following list shows the abbreviations used to indicate each PTY along with an explanation of the PTY.

NEWS	News
AFFAIRS	Current Affairs
INFO	Information
SPORT	Sports
EDUCATE	Educational
DRAMA	Drama
CULTURE	Culture
SCIENCE	Science
VARIED	Varied Speech Programme
POP M	Popular Music
ROCK M	Rock Music
EASY M	Easy Listening Music
LIGHT M	Light Music
CLASSICS	Classical Music
OTHER M	Other Music
WEATHER	Weather Information
FINANCE	Financial Programmes
CHILDREN	Children's Programmes
SOCIAL	Social Affairs Programmes
RELIGION	Religious Broadcasts
PHONE IN	Phone-In Programmes
TRAVEL	Travel and Touring
LEISURE	Leisure and Hobby
JAZZ	Jazz Music
COUNTRY	Country Music
NATION M	National Music
OLDIES	Oldies Music
FOLK M	Folk Music
DOCUMENT	Documentary Programmes
TEST	Station Alarm Test Message
ALARM !	Emergency Broadcast Information

You may search for a specific Programme Type (PTY) by following these steps:

1. Press **TUNER/BAND** to select FM mode.
2. Press **PTY**, the display will show the last PTY in use.
3. Press **PTY** repeatedly to select a desired PTY.
4. When the PTY is selected, press **TUN.(-/+)**.The unit will go into an automatic search mode. When a station is tuned, the search will stop.

Dimmer

This function will change the brightness of the display window on the front panel during in power-on status.

Press the **DIMMER** repeatedly.

Mute

Press **MUTE** to mute your unit.

You can mute your unit in order, for example, to answer the telephone.

Sound Mode

You can enjoy surround sound simply by selecting one of the pre-programmed sound fields according to the program you want to listen to (2 ch. sound only).

Press **SOUND MODE** repeatedly.

BYPASS → ON STAGE → STUDIO → CLUB → HALL → THEATER 1 → CHURCH → BYPASS...

Note:

Initial sound mode is BYPASS.

EQUALIZER Effect

You can choose 7 fixed sound impressions and adjust the BASS, MIDDLE and TREBLE.

- You can select a desired sound impressions by using **EQ master**.

NORMAL → USER EQ → POP → CLASSIC
↑ ↓
JAZZ ← DRAMA ← ROCK

- Press **EQ master** to select USER EQ.

1. To enter the “USER EQ” setting mode, press **SET** while “USER EQ” is displayed.
2. In USER EQ mode, press ▶II or ■ on the front panel repeatedly. Then you can select the sound effect you want among BASS, MIDDLE or TREBLE.
3. When a menu you select is displayed, press I◀◀ / ▶▶I on the front panel to set the sound level MIN, -4 ~ +4, MAX steps.
   - Then the sound level is displayed for a moment and the setting completed.
4. Repeat the steps from 2 to 3 to set other sound effect.
5. Press **SET**.

DEMO

Press **DEMO** on the front panel in power off state to demonstrate the function in the display window. To cancel it, press **POWER** or **DEMO** again.

XDSS (Extreme Dynamic Sound System)

Press **XDSS plus** to reinforce treble, bass and the surround effect.
The “XDSS ON” or “NORMAL” indicator lights.

MP3 Optimizer

This function is optimized for compressible MP3 files so that it improves the bass sound. Each time you press **XDSS plus** the setting changes in the following order.

XDSS ON → MP3 -- OPT ON → NORMAL

XTS Pro

The function creates the optimum sound for you to play of the original sound. Each time you press **XTS Pro**, “XTS -- P ON” or “NORMAL” is displayed in turn.

Note:

The XTS Pro function will not be operated when a headphone has been connected.

VIRTUAL sound

Press **VSM** to set the VIRTUAL sound.

Source	Display	Effect
2.1 ch.	VIRTUAL	3D STEREO
5.1 ch	VIRTUAL	VIRTUAL sound

- **3D STEREO**

  Realtime 3D positioned sound rendering technology with stereo sources, optimized for stereo speakers. Listeners may experience amazing virtual surround effects with their own multimedia players.

- **VIRTUAL sound**

  A pending down mix technology converts 5.1 channel to 2 channel sound having directional information of audio. And it makes a 2 channel or 2.1 channel feel 5.1 channel sound.

Reference

Language Codes

Use this list to input your desired language for the following initial settings:
Disc Audio, Disc Subtitle, Disc Menu.

Language	Code	Language	Code	Language	Code	Language	Code
Abkhazian	6566	Fiji	7074	Lingala	7678	Singhalese	8373
Afar	6565	Finnish	7073	Lithuanian	7684	Slovak	8375
Afrikaans	6570	French	7082	Macedonian	7775	Slovenian	8376
Albanian	8381	Frisian	7089	Malagasy	7771	Somali	8379
Ameharic	6577	Galician	7176	Malay	7783	Spanish	6983
Arabic	6582	Georgian	7565	Malayalam	7776	Sudanese	8385
Armenian	7289	German	6869	Maltese	7784	Swahili	8387
Assamese	6583	Greek	6976	Maori	7773	Swedish	8386
Aymara	6588	Greenlandic	7576	Marathi	7782	Tagalog	8476
Azerbaijani	6590	Guarani	7178	Moldavian	7779	Tajik	8471
Bashkir	6665	Gujarati	7185	Mongolian	7778	Tamil	8465
Basque	6985	Hausa	7265	Nauru	7865	Tatar	8484
Bengali; Bangla	6678	Hebrew	7387	Nepali	7869	Telugu	8469
Bhutani	6890	Hindi	7273	Norwegian	7879	Thai	8472
Bihari	6672	Hungarian	7285	Oriya	7982	Tibetan	6679
Breton	6682	Icelandic	7383	Panjabi	8065	Tigrinya	8473
Bulgarian	6671	Indonesian	7378	Pashto, Pushto	8083	Tonga	8479
Burmese	7789	Interlingua	7365	Persian	7065	Turkish	8482
Byelorussian	6669	Irish	7165	Polish	8076	Turkmen	8475
Cambodian	7577	Italian	7384	Portuguese	8084	Twi	8487
Catalan	6765	Japanese	7465	Quechua	8185	Ukrainian	8575
Chinese	9072	Javanese	7487	Rhaeto-Romance	8277	Urdu	8582
Corsican	6779	Kannada	7578	Rumanian	8279	Uzbek	8590
Croatian	7282	Kashmiri	7583	Russian	8285	Vietnamese	8673
Czech	6783	Kazakh	7575	Samoan	8377	Volapük	8679
Danish	6865	Kirghiz	7589	Sanskrit	8365	Welsh	6789
Dutch	7876	Korean	7579	Scots Gaelic	7168	Wolof	8779
English	6978	Kurdish	7585	Serbian	8382	Xhosa	8872
Esperanto	6979	Laothian	7679	Serbo-Croatian	8372	Yiddish	7473
Estonian	6984	Latin	7665	Shona	8378	Yoruba	8979
Faroese	7079	Latvian, Lettish	7686	Sindhi	8368	Zulu	9085

Area Codes

Choose a area code from this list.

Area	Code	Area	Code	Area	Code	Area	Code
Afghanistan	AF	Ethiopia	ET	Malaysia	MY	Saudi Arabia	SA
Argentina	AR	Fiji	FJ	Maldives	MV	Senegal	SN
Australia	AU	Finland	FI	Mexico	MX	Singapore	SG
Austria	AT	France	FR	Monaco	MC	Slovak Republic	SK
Belgium	BE	Germany	DE	Mongolia	MN	Slovenia	SI
Bhutan	BT	Great Britain	GB	Morocco	MA	South Africa	ZA
Bolivia	BO	Greece	GR	Nepal	NP	South Korea	KR
Brazil	BR	Greenland	GL	Netherlands	NL	Spain	ES
Cambodia	KH	Heard and McDonald Islands	HM	Netherlands Antilles	AN	Sri Lanka	LK
Canada	CA	Hong Kong	HK	New Zealand	NZ	Sweden	SE
Chile	CL	Hungary	HU	Nigeria	NG	Switzerland	CH
China	CN	India	IN	Norway	NO	Taiwan	TW
Colombia	CO	Indonesia	ID	Oman	OM	Thailand	TH
Congo	CG	Israel	IL	Pakistan	PK	Turkey	TR
Costa Rica	CR	Italy	IT	Panama	PA	Uganda	UG
Croatia	HR	Jamaica	JM	Paraguay	PY	Ukraine	UA
Czech Republic	CZ	Japan	JP	Philippines	PH	United States	US
Denmark	DK	Kenya	KE	Poland	PL	Uruguay	UY
Ecuador	EC	Kuwait	KW	Portugal	PT	Uzbekistan	UZ
Egypt	EG	Libya	LY	Romania	RO	Vietnam	VN
El Salvador	SV	Luxembourg	LU	Russian Federation	RU	Zimbabwe	ZW

Troubleshooting

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
No power.	• The power cord is disconnected.	• Plug the power cord securely into the wall outlet.
The power is on, but the unit does not work.	• No disc is inserted.	• Insert a disc. (Check that the DVD or, audio CD indicator in the DVD display is lit.)
No picture.	• The TV is not set to receive DVD signal output.	• Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen.
	• The video cable is not connected securely.	• Connect the video cable into the jacks securely.
	• The connected TV power is turned off.	• Turn on the TV.
There is no sound or only a very low-level sound is heard.	• The equipment connected with the audio cable is not set to receive DVD signal output.	• Select the correct input mode of the unit so you can hear the sound from the unit.
	• The power of the equipment connected with the audio cable is turned off.	• Turn on the equipment connected with the audio cable.
The playback picture is poor.	• The disc is dirty.	• Clean the disc.
The unit does not start playback.	• No disc is inserted.	• Insert a disc. (Check that the DVD, or audio CD indicator in the DVD display is lit.)
	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type, colour system and Regional code.)
	• The disc is placed upside down.	• Place the disc with the playback side down.
	• The disc is not placed within the guide.	• Place the disc on the disc tray correctly inside the guide.
	• The disc is dirty.	• Clean the disc.
	• A menu is on the TV screen.	• Press the SETUP button to turn off the menu screen.
	• The Rating level is set.	• Cancel the Rating function or change the rating level.
Loud hum or noise is heard.	• The disc is dirty.	• Clean the disc.
	• The speakers and components are connected poorly.	• Connect the speakers and components securely.
	• The unit is located too close to the TV.	• Move your TV away from the audio components.

Symptom	Cause	Correction
Radio stations cannot be tuned in.	• The antenna is positioned or connected poorly.	• Connect the antenna securely.
		• Adjust the antennas and connect an external antenna if necessary.
	• The signal strength of the stations is too weak (when tuning in with automatic tuning).	• Tune in the station manually.
	• No stations have been preset or preset stations have been cleared (when tuning by scanning preset stations).	• Preset the stations (page 22).
The remote control does not work properly.	• The remote control is not pointed at the remote sensor of the unit.	• Point the remote control at the remote sensor of the unit.
	• The remote control is too far from the unit.	• Use the remote control within about 23 ft (7 m).
	• There is an obstacle in the path of the remote control and the unit.	• Remove the obstacle.
	• The batteries in the remote control are not enough.	• Replace the batteries with new ones.
The front panel display is too dim.	• The Dimmer function is operated	• Press **DIMMER**.
Nothing is display on the front panel display.	• The unit enters the power save mode	• To cancel power save mode.

Specifications

General

Power supply	Refer to the back panel of the unit.
Power consumption	Refer to the back panel of the unit.
Net Weight	3.08kg (MBD102I Model) 3.00kg (MBD62I Model)
External dimensions (WxHxD)	300 x 130 x 243 mm

CD/DVD

Laser	Semiconductor laser, wavelength 650 nm
Signal system	PAL 625/50, NTSC 525/60
Frequency response (audio)	40 Hz to 20 kHz
Signal-to-noise ratio (audio)	More than 75 dB (1 kHz, NOP -3 dB, 20 kHz LPF/A-Filter)
Dynamic range (audio)	More than 75 dB
Harmonic distortion (audio)	0.5 % (1 kHz, at 1W position) (20 kHz LPF)

Video

Video output	1.0 V (p-p), 75 Ω, negative sync./ RCA jack x 1/ SCART (TO TV)
COMPONENT VIDEO OUT	(Y) 1.0 V (p-p), 75 ohms, negative sync, RCA jack x 1 (P_B)/(P_R) 0.7 V (p-p), 75 ohms, RCA jack x 1

Tuner

FM	Tuning Range	87.5 - 108.0MHz or 65 - 74MHz, 87.5 - 108.0MHz
	Intermediate Frequency	10.7MHz
	Signal to Noise Ratio	60/55dB
	Frequency Response	50 - 10000Hz
AM	Tuning Range	522 - 1620kHz or 520 - 1720kHz
	Intermediate Frequency	450kHz
	Signal to Noise Ratio	30dB
	Frequency Response	80 - 1800Hz

Amplifier

Output Power	50W + 50W (MBD102I Model) 30W + 30W (MBD62I Model)
T.H.D	0.5%
Frequency Response	40 - 20000Hz
Signal-to-noise ratio	75dB

Speakers

Speaker Name	MBS102V	MBS62V
Type	Bass Reflex 2Way 2 Speaker	Bass Reflex 2Way 2Speaker
Impedance	4Ω	4 Ω
Frequency Response	60 - 20000Hz	60 - 20000Hz
Sound Pressure Level	82dB/W (1m)	82dB/W (1m)
Rated Input Power	50W	30W
Max. Input Power	100W	60W
Net Dimensions (WxHxD)	160 x 308 x 233mm	160 x 308 x 204 mm
Net Weight (1EA)	2.8kg	2.5kg

Designs and specifications are subject to change without notice.

P/NO : MFL38043305