



LG

Life's Good

OWNER'S MANUAL DVD MINI HI-FI SYSTEM

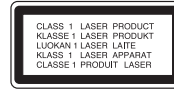
Please read this manual carefully before operating your set and retain it for future reference.

MBT506 (MBT506, MDS505V/ W)



MFL67340753

Safety Information



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 uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the 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 shall be never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product shall not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction has been adhered to.

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. Shall 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 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 service center. 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.

This device is equipped with a portable battery or accumulator.

Safety way to remove the battery or the battery from the equipment: Remove the old battery or battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put it in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimbursement systems batteries and accumulators. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

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

Copyrights

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission. This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When recording and playing the pictures of these discs picture noise will appear. This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.


CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p UNIT, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

You have to set the disc format option to [Mastered] in order to make the discs compatible with the LG players when formatting rewritable discs. When setting the option to Live File System, you cannot use it on LG players.

(Mastered/ Live File System : Disc format system for Windows Vista)

Table of Contents

1 Getting Started

- 2 Safety Information
- 6 Unique Features
- 6 Accessories
- 6 Introduction
 - 6 - Playable Discs
 - 6 - About the  Symbol Display
 - 7 - Symbol Used in this Manual
 - 7 - Regional Codes
 - 7 - Playable file Requirement
 - 8 - DivX file requirement
- 9 Remote control
- 10 Front panel
- 12 Rear panel

2 Connecting

- 13 Connecting to speakers
 - 13 - Attaching the speakers to the unit
- 13 Connections to Your TV
 - 14 - Component Video Connection
 - 14 - Video Connection
- 15 Optional Equipment Connection
 - 15 - AUX In Connection
 - 15 - USB Connection
 - 15 - Enjoying audio from an external source and selecting the function
- 16 - AUDIO (PORT. IN) In Connection
- 16 Antenna Connection

3 System Setting

- 17 Adjust the Setup settings
 - 17 - OSD Initial language settings - Optional
 - 17 - To display and exit the Setup Menu
 - 18 - Language
 - 18 - Display
 - 19 - Audio
 - 20 - Lock (Parental Control)
 - 21 - Others

4 Operating

- 22 Using the Home Menu
- 22 Basic Operations
 - 22 - Disc/USB Operations
- 23 iPod Operation
 - 24 - Playing the iPod
 - 25 - Enjoying iPod on the screen
- 26 Other Operations
 - 26 - Displaying Disc Information on-screen
 - 26 - To display the DVD Menu
 - 26 - To display the DVD title
 - 26 - Starting play from selected time
 - 27 - Marked Playback
 - 27 - Changing subtitle code page
 - 28 - AUTO DJ playback
 - 28 - Viewing a PHOTO file
 - 29 - Sleep Timer Setting
 - 29 - Dimmer
 - 29 - Turn off the sound temporarily
 - 29 - 1.5 times speed playback
 - 30 - Screen Saver
 - 30 - System Select - Optional
 - 30 - Last Scene Memory
 - 30 - DEMO
 - 30 - VOCAL FADER
- 31 Radio Operations
 - 31 - Listening to the radio
 - 31 - Presetting the Radio Stations
 - 31 - Deleting a saved station
 - 31 - Deleting all the saved stations
 - 31 - Improving poor FM reception
 - 32 - Setting the USER EQ
 - 32 - Setting the Clock
 - 32 - Using your player as an alarm clock
- 33 Sound adjustment
 - 33 - Setting the surround mode
 - 33 - Adjust the speaker level settings
- 34 Advanced Operations
 - 34 - Listening to music from your portable player or external device
 - 34 - Recording to USB

5 Troubleshooting

36 Troubleshooting

6 Appendix

37 Maintenance

37 - Handling the Unit

37 - Notes on Discs

38 Area Code List

39 Language code List

40 Trademarks and Licenses

41 Specifications

1

2

3

4

5

6

Unique Features

Portable In

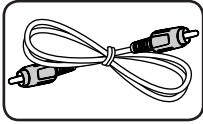
Listens to music from your portable device. (MP3, Notebook, etc)

USB Direct Recording

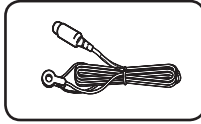
Records music to your USB device.

Accessories

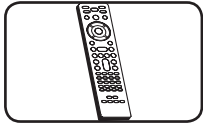
Please check and identify the supplied accessories.



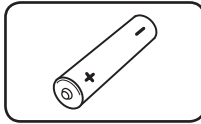
Video cable (1)



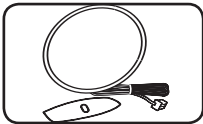
FM antenna (1)



Remote control (1)



Battery (1)



AM antenna (1)

Introduction

Playable Discs

This unit plays DVD±R/RW and CD-R/RW that contains audio titles, DivX, MP3, WMA and/or JPEG files. Some DVD±RW/DVD±R or CD-RW/CD-R cannot be played on this unit due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.



DVD-VIDEO (8 cm / 12 cm disc)

Discs such as movies that can be purchased or rented.



DVD±R (8 cm / 12 cm disc)

Video mode and finalized only



DVD-RW (8 cm / 12 cm disc)

Video mode and finalized only



DVD+R: Video mode only

Supports the double layer disc also




DVD+RW (8 cm / 12 cm disc)

Video mode and finalized only



Audio CD: Music CDs or CD-R/CD-RW in music CD format that can be purchased.

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 disc.

Symbol Used in this Manual

ALL	All discs and file listed below
MP3	MP3 files
DVD	DVD and finalized DVD±R/RW
WMA	WMA files
DivX	DivX files
ACD	Audio CDs
JPG	JPG files

Regional Codes

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

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

Note

Indicates special notes and operating features.

Caution

Indicates cautions for preventing possible damages from abuse.

Playable file Requirement

MP3/ WMA music file requirement

MP3/ WMA file compatibility with this unit is limited as follows :

- Sampling frequency : within 32 kHz to 48 kHz (MP3), within 32 kHz to 48 kHz (WMA)
- Bit rate : within 32 kbps to 320 kbps (MP3), 40 kbps to 192 kbps (WMA)
- Support Version : v2, v7, v8, v9
- Maximum files : Under 999
- File extensions : ".mp3"/ ".wma"
- CD-ROM file format : ISO 9660/ JOLIET
- We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.

Photo file requirement

JPEG disc compatibility with this unit is limited as follows :

- Max pixel in width : 2 760 x 2 048 pixel
- Maximum files : Under 999
- Some discs may not operate due to a different recording format or the condition of disc.
- File extensions: ".jpg"
- CD-ROM file format : ISO 9660/ JOLIET

Compatible USB Devices

- MP3 Player : Flash type MP3 player.
- USB Flash Drive : Devices that support USB2.0 or USB1.1.
- The USB function of this unit does not support some USB devices.

USB device requirement

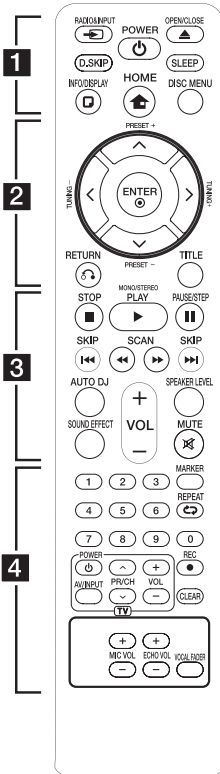
- Devices which require additional program installation connected to a computer, are not supported.
- Do not extract the USB device while in operation.
- For a large capacity USB, it may take longer than a few minute to be searched.
- To prevent data loss, back up all data.
- If you use a USB extension cable or USB hub, the USB device is not recognized.
- Using NTFS file system is not supported. (Only FAT(16/32) file system is supported.)
- This unit is not supported when the total number of files is 1 000 or more.
- External HDD, Card readers, Locked devices, or hard type USB devices are not supported.
- USB port of the unit cannot be connected to PC. The unit can not be used as a storage device.

DivX file requirement

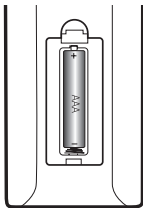
DivX file compatibility with this unit is limited as follows :

- Available resolution:
up to 800 x 600 (W x H) pixels.
- The file name of the DivX subtitle should be entered 45 characters or less.
- If there is a code impossible to express in the DivX file, it may be displayed as a " _ " mark on the display.
- Frame rate : less than 40 fps.
- If the video and audio structure of recorded files are not interleaved, either video or audio is output.
- 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", "MP4V3", "3IVX".
- Playable Audio format : "AC3", "PCM", "MP3", "WMA".
- Sampling frequency : between 32 to 48 kHz (MP3), between 32 to 48 kHz (WMA)
- Bit rate : between 32 to 320 kbps (MP3), 40 to 192 kbps (WMA)
- For Discs formatted in Live file system, you can not use it on this unit.
- If the name of movie file is different from that of the subtitle file, during playback of a DivX file, subtitle may not be display.
- If you play a DivX file differ from DivX spec, it may not operate normally.

Remote control



Battery Installation



Remove the battery cover on the rear of the Remote Control, and insert one (size AAA) battery with **+** and **-** matched correctly.

..... **1**

RADIO&INPUT: Changes input sources.

D.SKIP: Choose a desired disc.

POWER: Switches the unit ON or OFF.

OPEN/CLOSE: Opens and closes the disc Drawer.

SLEEP: Sets the system to turn off automatically at a specified time. (Dimmer: The display window will be darkened by half.)

INFO/DISPLAY: Accesses On-Screen Display.

HOME: Displays the [Home] menu.

DISC MENU: Accesses the menu on a DVD disc.

..... **2**

^ / v / < / > (up / down / left / right): Used to navigate on-screen displays.

PRESET (+/-): Selects programmed of Radio.

TUNING (-/+): Tunes in the desired radio station.

ENTER: Acknowledges menu selection. Presetting the radio station.

RETURN: Moving back wards in the menu.

TITLE: If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may appear.

..... **3**

STOP (■): Stops playback or recording.

PLAY (▶), MONO/STEREO: Starts playback. Selects Mono/Stereo.

PAUSE/STEP (⏸): Pauses playback.

SKIP (◀◀/▶▶): Goes to next or previous chapter/ track/ file.

SCAN (◀◀/▶▶): Searches backward or forward.

..... **4**

AUTO DJ: Selects the AUTO DJ mode. (For more information refer to the page 28)

SOUND EFFECT: Selects a sound effect mode.

VOL (Volume) (+/-): Adjusts speaker volume.

SPEAKER LEVEL: Sets the sound level of desired speaker.

MUTE: Mutes the sound.

0 to 9 numerical buttons: Selects numbered options in a menu.

MARKER: Marks play list.

REPEAT: Selects a play mode. (Repeat/Random)

..... **4**

TV Control buttons: Controls the TV. (LG TV only)

- You can control the sound level, input source, and power switching of LG TVs as well. Hold POWER (TV) and press PR/CH (**^/v**) button repeatedly until the TV turns on or off.

REC (●): USB Direct Recording.

CLEAR: Removes a track number on the Program List.

MIC VOL (+/-): Adjusts microphone volume.

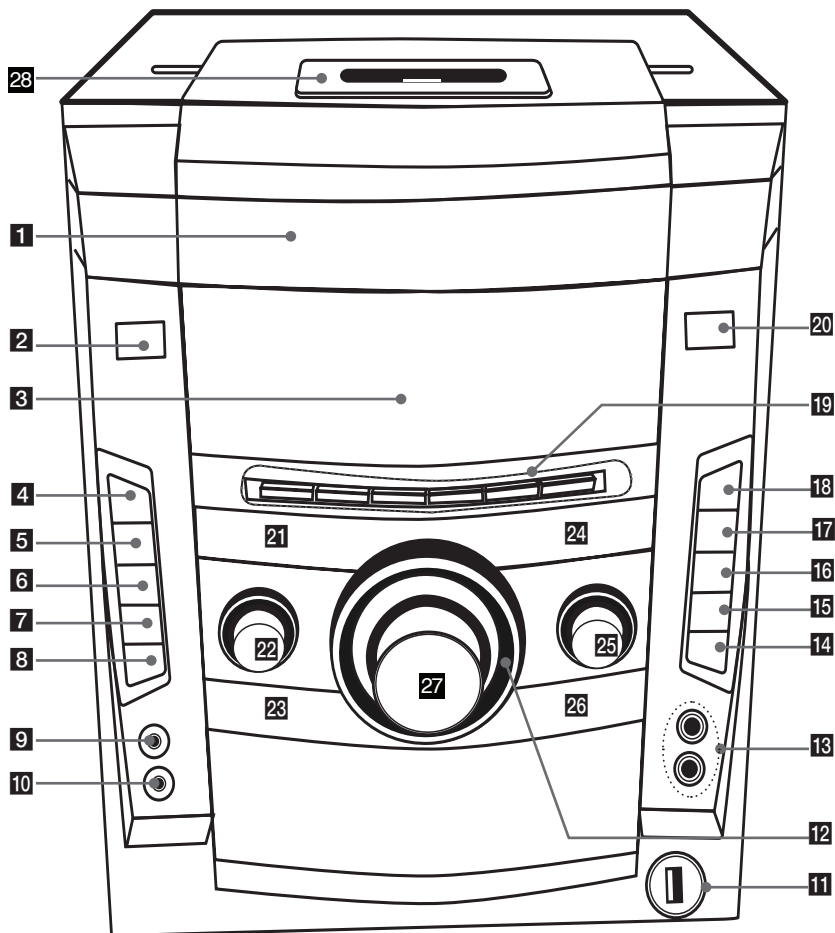
ECHO VOL (+/-): Adjusts echo volume.

VOCAL FADER: You can enjoy the function as karaoke, by reducing singer vocal of music in the various source.

Front panel

1

Getting Started

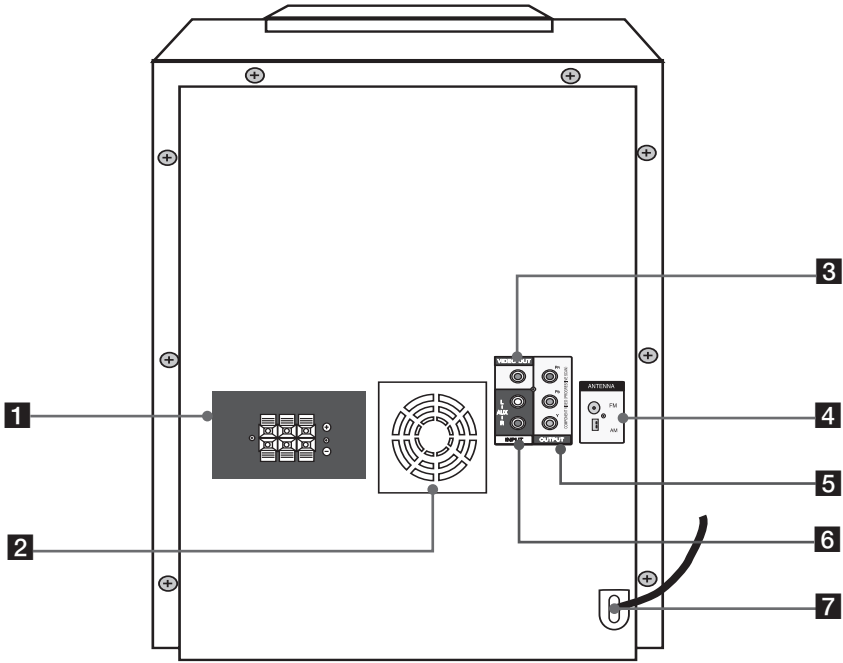


- 1 Disc tray**
- 2  (Power)**
- 3 Display window**
- 4 TIMER**
With the TIMER function you can turn USB, CD play and TUNER reception on or off at a desired time.
- 5 CLOCK**
For setting the clock and checking the time.
- 6 USER EQ**
Controls sound register.
- 7 LG SOUND EFFECT**
You can select a Natural or Local Specialization equalizer effect.
- 8 BASS BLAST**
Reinforces the treble, bass and surround effect.
MP3 Opt.
Optimizes compressive MP3 files so that it improves the treble sound.
- 9 PORT. IN jack**
- 10 PHONES**
- 11 USB port**
- 12 MULTI JOG DIAL**
Moves to the another file/ track or you can select the tuning range.
- 13 MIC jack.**
- 14 **
Recording to USB
- 15 DEMO**
In power off state to demonstrate the function on display window.
- 16 SOUND EFFECT**
Chooses sound impressions.
- 17 DISC SKIP**
Chooses a desired CD
- 18 OPEN/CLOSE**
- 19  / SET**
Pauses playback. /Confirms the settings.
 / TUNING -
 / PRESET -
 / PRESET +
 / TUNING +
 / STOP
Stops playback or recording.
- 20 AUTO DJ**
Selects the AUTO DJ mode. (For more information refer to the page 28)
- 21 HOME**
Displays the [Home] menu.
- 22 ECHO VOL.**
- 23 RADIO**
Selects the RADIO function.
- 24 iPod**
Selects the iPod function
- 25 MIC VOL.**
- 26 AUX/PORTABLE**
Selects the AUX, PORTABLE function.
- 27 MASTER VOLUME**
Controls the volume when using any function.
- 28 iPod dock**

Rear panel

1

Getting Started



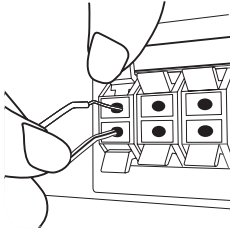
- 1** Speaker terminal
- 2** Cooling fan
- 3** VIDEO OUT connector
- 4** ANTENNA (FM, AM)
- 5** OUT PUT (COMPONENT VIDEO) connector
- 6** IN PUT (AUX) connector
- 7** Power cord.

Connecting to speakers

Attaching the speakers to the unit

To connect the cable to the unit, press each plastic finger pad to open the connection terminals on the unit. Insert the wire and release the finger pad.

Connect the black stripe of each wire to the terminals marked - (minus) and the other end to the terminals marked + (plus).



Colour	Speaker	Position
Orange	Sub woofer	Any front position
Red	Front	Front right
White	Front	Front left

Caution

- Be careful to make sure children not to put their hands or any objects into the *speaker duct.
*Speaker duct: A hole for plentiful bass sound on speaker cabinet (enclosure).
- The speakers contain magnet parts, so color irregularity may occur on the TV screen or PC monitor screen. Please use the speakers far away from either TV screen or PC monitor.

Connections to Your TV

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

Note

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the unit. Use only one of the connections described in this manual.
- Please refer to the manuals of your TV, Stereo System or other devices as necessary to make the best connections.
- Make sure the unit is connected directly to the TV. Tune the TV to the correct video input channel.
- Do not connect your unit via your VCR. The image could be distorted by the copy protection system.

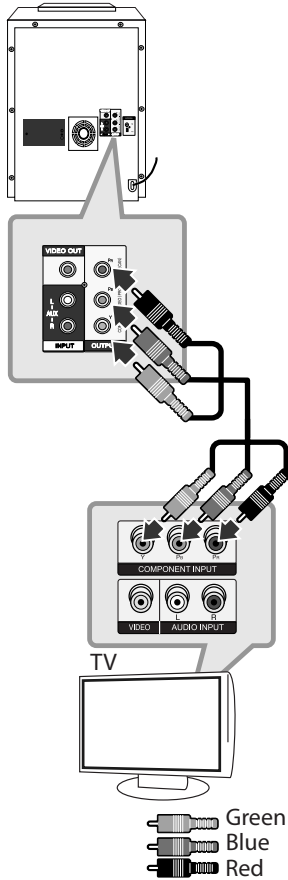
Component Video Connection

Connect the COMPONENT VIDEO OUT (PROGRESSIVE SCAN) jacks on the unit to the corresponding input jacks on the TV using component cables.

You can hear the sound through the system's speakers.

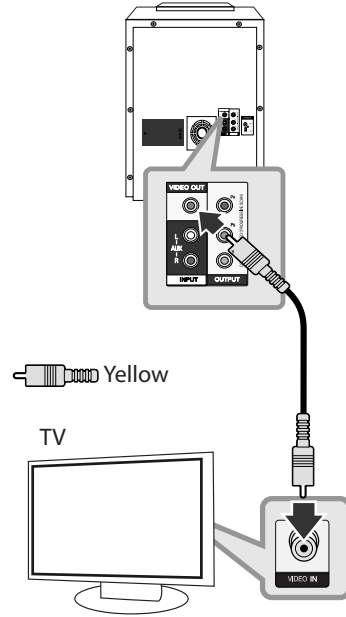
2

Connecting



Video Connection

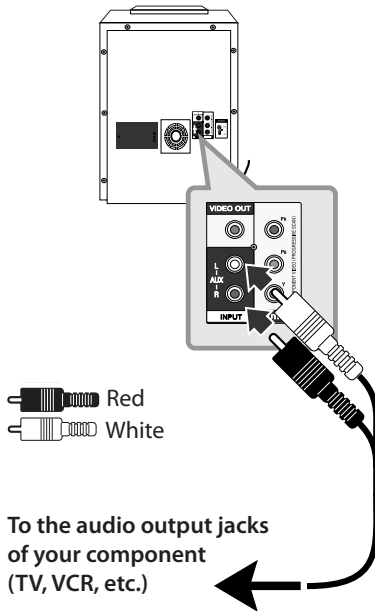
Connect the VIDEO OUT jack on the unit to the video in jack on the TV using a video cable.



Optional Equipment Connection

AUX In Connection

Connect an Output of auxiliary device to the AUX (L/R) INPUT Connector.

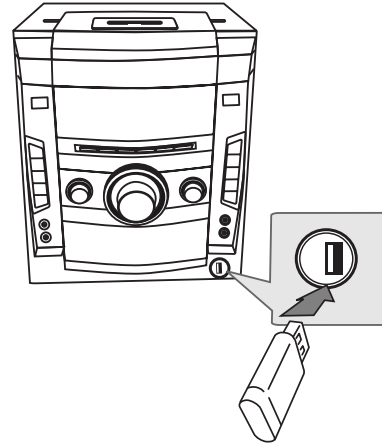


! Note

If your TV has only one output for audio (mono), connect it to the left (white) audio jack on the unit.

USB Connection

Connect the USB port of USB Memory (or MP3 player, etc.) to the USB port on the front of the unit.



! Note

Removing the USB Device from the unit

1. Choose a different function/mode or press **STOP** (■) twice in a row.
2. Remove the USB device from the unit.

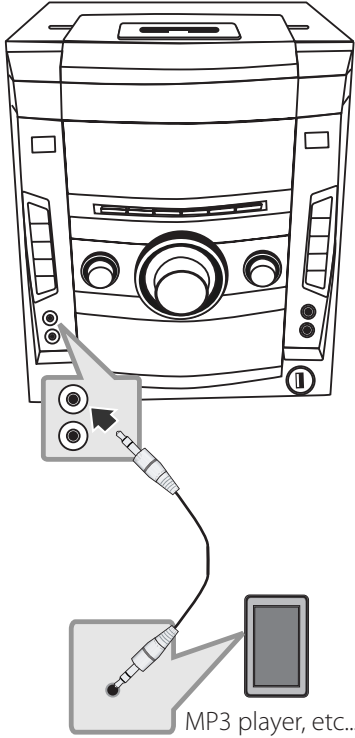
Enjoying audio from an external source and selecting the function

You can enjoy audio from an external source through your unit. And you can select the function.

Press **RADIO&INPUT** repeatedly to select the desired input source or the function. - DVD/CD, AUX, iPod, PORTABLE, FM, AM

AUDIO (PORT. IN) In Connection

Connect an output of portable device (MP3 or PMP etc) to the AUDIO (PORT. IN) input connector.



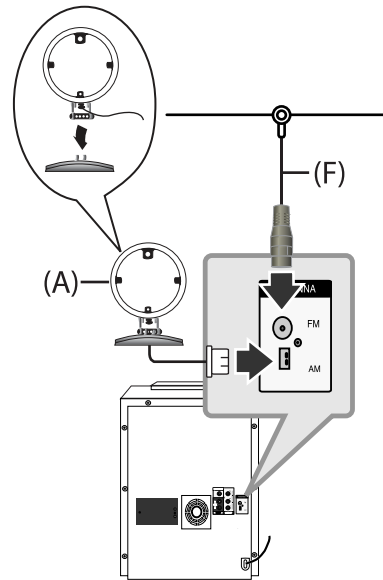
2
Connecting

Antenna Connection

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

Connect the AM Loop antenna to the AM antenna connector. (A)

Connect the FM wire antenna to the FM antenna connector. (F)



! 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.

Adjust the Setup 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 pages 17 to 21.

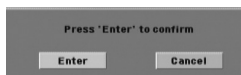
OSD Initial language settings - Optional

When using this unit for the first time, the initial language setup menu appears on your TV screen. You must complete initial language selection before using the unit. English will be selected as the initial language.

1. Press **POWER** to turn the unit on.
The language setup menu will appear on the screen.



2. Use $\wedge / \vee / < / >$ to select a language then press **ENTER**.
The confirm menu will appear.



3. Use $< / >$ to select [Enter] then press **ENTER** to finish the language setup.

To display and exit the Setup Menu

1. Press **HOME**.
Displays the [Home] Menu.



2. Select an [Setup] by using $< / >$.
3. Press **ENTER**.
Displays the [Setup].
4. Press **HOME** or **RETURN** to exit in the [Setup] Menu.

About help menu for Setup

Menu	Buttons	Operation
$\blacktriangle / \blacktriangledown$ Move	\wedge / \vee	Moving to another menu.
\blacktriangleleft Move	$<$	Moving to previous level.
\blacktriangleright Move	$>$	Moving to next level or selecting menu.
$\circ \rightarrow \circ$ Close	RETURN	To exit the [Setup] menu or [2.1 Speaker Setup].
\odot Select	ENTER	To confirm menu.

Language

Menu Language

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

Disc Audio/Disc Subtitle/Disc 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 **ENTER** to enter the corresponding 4-digit number according to the language code list on the page 39. If you enter the wrong language code, press **CLEAR**.

[Off (for Disc Subtitle)]

Turn off Subtitle.

Display

TV Aspect

Select which screen aspect to use based on the shape of your TV screen.

[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]

This displays a wide screen picture with black bands at the top and bottom of the screen.

[Panscan]

This fills the entire 4:3 screen, cropping the picture as necessary.

Progressive Scan (For Component Video connections)

Selects whether the COMPONENT VIDEO(PROGRESSIVE SCAN) OUT jacks output progressive signal. If your TV accepts progressive format signals, you will enjoy accurate color reproduction and high quality image by selecting [On]. If your TV does not accept progressive format signals, select [Off].

If you set Progressive Scan to [On] in error, you must reset the unit. First, remove the disc from the unit. Next, press and hold **STOP** (■) for about five seconds. The video output will be restored to the standard setting, and a picture will be visible on your TV.

Audio

2.1 Speaker Setup

Make the following settings for the built-in 5.1 channel surrounds decoder.

1. Select [2.1 Speaker Setup] on the [Audio] menu.
2. Press **ENTER**.
The [2.1 SPEAKER] appears.



3. Use **</>** to select the desired speaker.
4. Adjust options using **^/v/</>** buttons.
5. Returns to the previous menu by pressing **RETURN**.

[Speaker]

Select a speaker that you want to adjust.

! Note

Certain speaker settings are prohibited by the Dolby Digital licensing agreement.

[Size]

Since the speaker settings are fixed, you cannot change the settings.

[Volume]

Adjust the output level of each speaker.

[Distance]

Adjust the distance between each speaker and the listening position.

[Speaker Test Start]

Select [Speaker Test Start] by using the **^/v** and press **ENTER**. Press **ENTER** again to stop. Adjust the volume to match the volume of test signals memorized in the system.

DRC (Dynamic Range Control)

Make the sound clear when the volume is turned down (Dolby Digital only). Set to [On] for this effect.

Vocal

Select [On] to mix karaoke channels into normal stereo.

This function is effective for multi-channel karaoke DVDs only.

Semi Karaoke

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

[On]

When you finished singing a score will appear on the screen.

[Off]

Fanfare and score do not appears on the screen.

! Note

- DVD, DVD Karaoke discs with more than 2 tracks are available discs for this function.
- When you watch 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.
- This function operate on the DVD/CD mode.
- The Semi Karaoke function is available only when a microphone is connected.

Lock (Parental Control)

Initial Setting of the Area Code

When you use this unit for the first time, you have to set the Area Code as shown below.

1. Select the [Lock] menu and then press **>**.
2. Press **>**.
To access the [Lock] options, you must input the password you have created. Input a password and press **ENTER**. **ENTER** it again and press **ENTER** to verify. If you make a mistake before pressing **ENTER**, press **CLEAR**.
3. Select the first character using **Λ / V** buttons.
4. Press **ENTER** and select the second character using **Λ / V** buttons.
5. Press **ENTER** to confirm your Area code selection.

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. Input a password and press **ENTER**.
3. Select a rating from 1 to 8 using the **Λ / V** buttons.

[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 **ENTER** to confirm your rating selection.

Password

You can enter or change password.

1. Select [Password] on the [Lock] menu and then press **>**.
2. Input a password and press **ENTER**.
To change the password, press **ENTER** when the [Change] option is highlighted. Input a password and press **ENTER**. Enter it again and press **ENTER** to verify.
3. Press **HOME** to exit the menu.

! Note

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

1. Select the [Setup] menu on the [Home] menu.
2. Input the 6-digit number "210499" and press **ENTER**. The password is cleared.

If a disc is inserted, this function is not operated.

Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 38.

1. Select [Area Code] on the [Lock] menu then press **>**.
2. Input a password and press **ENTER**.
3. Select the first character using **▲ / ▼** buttons.
4. Press **ENTER** and select the second character using **▲ / ▼** buttons.
5. Press **ENTER** to confirm your Area code selection.

Others

DivX(R) Registration

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

[Register]

Displays the registration code of your unit.

[Deregister]

Deactivate your unit and display the deactivation code.

! Note

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

Using the Home Menu

1. Press **HOME**.
Displays the [Home] menu.



2. Select an option by using **</>**.
3. Press **ENTER** then select option menu.
[Music] – Displays [MUSIC] menu.
[Movie] – Start video media's playback or displays the [MOVIE] menu.
[Photo] – Displays [PHOTO] menu.
[Setup] – Displays the [Setup] menu.

Basic Operations

Disc/USB Operations

1. Insert the disc by Pressing **OPEN/CLOSE** or connect the USB device to the USB port.
2. Press **HOME**.
Displays the [Home] Menu.
3. Select an option by using **</>**.
If you select the [Movie], [Photo] or [Music] option when you connect up to two devices, it appears as above.



4. Press **ENTER** then selected option menu.

! Note

- For the most Audio CD and DVD-ROM discs, playback starts automatically.
- The unit plays only music file contained in the USB storage device or disc automatically.

To	Do this
Stop	Press ■.
Playback	Press ▶.
Pause	During playback, press PAUSE/STEP .
Frame-by-Frame playback	Press PAUSE/STEP repeatedly to play title Frame-by-Frame. (DVD, DivX only)
Skipping to the next/ previous chapter/ track/ file	During playback, press or rotate; (1) to go to the next track/ file or to return to the beginning of current track/file: - On the remote control: ◀◀ or ▶▶ - On the unit: MULITI JOG DIAL or ◀◀/▶▶ (2) to go back to the previous track/file: - On the remote control: ◀◀ - On the unit: MULITI JOG DIAL or ◀◀
Locating a point quickly by playing a file in fast forward or fast reverse	During playback, press and hold ◀◀ or ▶▶ on remote control or ◀◀ or ▶▶ on the unit repeatedly to select the required scan speed. To return to normal speed, press PLAY .
Playing repeatedly or randomly	Press REPEAT repeatedly, and the current title, chapter or track will be played back repeatedly or randomly. - Random play mode : only music files.
Slowing down the playing speed	In the pause mode, press SCAN (◀◀ or ▶▶) to select the required speed. (DVD, DivX only) - The DivX file can not be slow down reverse play back.

iPod Operation

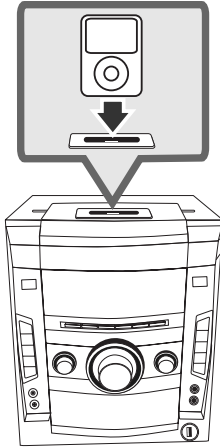
You can enjoy the sound with your iPod. For details about iPod, refer to the iPod's User Guide.

Preparation

- To view iPod's Videos and Photos on the TV screen.
 - Be sure to use the video connection through the COMPOSITE jack on the rear panel of this unit. Select the appropriate video input mode on the TV.
 - Depending on the iPod, make sure that select Videos > Video settings, and then set TV Out to Ask or On from your iPod. For details about Video Settings, refer to the iPod User Guide.
 - The viewing photos is available only if this unit is in iPod IN mode and you can view photos only as a slide show. You have to start a slide show on your iPod to view a photo on a TV. For details about a slide show, refer to the iPod User Guide.
- Before connecting the iPod, turn this unit off and reduce the volume of this unit to its minimum.

Playing the iPod

1. Connect the iPod firmly.



Button		Do this
ON UNIT	ON REMOTE	
SET/II	▶/II	Pause or restart
⏮/▶▶	⏮/▶▶	Skip
⏮/▶▶ (Press and hold)	⏮/▶▶ (Press and hold)	Search
-	REPEAT	To select a desired repeat mode: Track (↺), All (↻), Off (No display).
-	^/v/</>	Selects an option in the menu.
▶	▶, ENTER	Starts playback.

If you turn this unit on, your iPod is automatically turned on and recharging starts. If your iPod is completely discharged, charge the battery first.

2. Press **iPod** on the unit or **FUNCTION** on the remote control to select iPod function. You can operate your iPod through an iPod's display by using the supplied remote control and also control on your iPod.

Compatible iPod

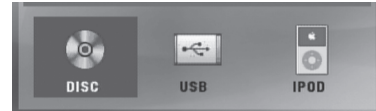
- We recommend installing the latest software version.
- The unit supports the models as follows, iPod nano, 1G, 2G, 3G, 4G/ iPod classic/ iPod 4G, 5G/ iPod touch 2G.
For some models, the unit may not operate depending on the firmware version.
- Depending on your iPod's software version, it may not be possible to control your iPod from the player.
- Unsupported iPod models are recognized as an USB device when connected.

! Note

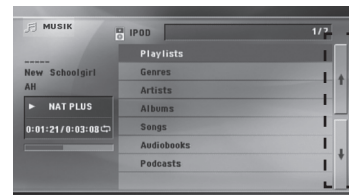
- An error message "CHECK" or "Connected iPod model is not supported." appears when:
 - your iPod is not available for the function to be operated.
- An error message "CHECK" or "Please update iPod's software." appears when:
 - your iPod has an old software version.
 - ➔ Update your iPod software to latest version.
- If this unit displays an error message, follow the message. An error message "CHECK" or "Please check your iPod." appears when:
 - the communication between this unit and your iPod is failed.
 - ➔ Undock & re-dock your iPod in this unit.
 - your iPod is not connected firmly.
 - this unit recognises your iPod as unknown device.
 - your iPod is exceptionally low on power.
 - ➔ The battery needs to be charged.
 - ➔ If you charge the battery while iPod is extremely low in power, it may take longer to charge.
- Compatibility with your iPod may vary depending on the type of your iPod.
- iPod touch and iPhone have any difference in operation other than iPod. You may need any additional control to use them with this unit. (e.g. "slide to unlock")
- If you use an application, make a call, or send and receive SMS text message, etc. on iPod touch or iPhone, disconnect it from iPod dock of this unit and then use it.
- Depending on your iPod's software version, it may not be possible to control your iPod from this unit. We recommend installing the latest software version.
- The video quality depends on the video sources on your iPod.
- If you have a problem with your iPod, please visit www.apple.com/support/ipod.

Enjoying iPod on the screen

1. Connect the iPod firmly.
2. Press [Music] or [Movie].
If you connected the other device (CD or USB), select the iPod on the menu and ENTER.



3. Select a content using \wedge / \vee / \lt / \gt , and press ENTER..



Moving to the previous or next file list.

4. Operate iPod.
Refer to basic operation section.


! Note

The controls on your iPod are not operational in this mode.

Other Operations

Displaying Disc Information on-screen

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

1. Press  **INFO/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 **^/V** and change or select the setting by pressing **</>**.

Title	- Current title number/ total number of titles.
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.

Note

If any button is not pressed for a few seconds, the onscreen display disappears.

To display the DVD Menu

DVD

When you play a DVD which contains several menu, you can select the menu you want using the Menu.

1. Press **DISC MENU**.
The disc's menu appears.
2. Select the menu by using **^/V/ </>**.
3. Press **PLAY** to confirm.

To display the DVD title

DVD


When you play a DVD which contains several title, you can select the title you want using the Menu.

1. Press **TITLE**.
The disc's title appears.
2. Select the menu by pressing **^/V/ </>**.
3. Press **PLAY** to confirm.

Starting play from selected time

DVD DivX

To start playing at any chosen time on the file or title.

1. Press  **INFO/DISPLAY** during playback.
2. Press **^/V** to select the time clock icon and "--:--:" appears.
3. Input the required start time in hours, minutes, and seconds from left to right. If you enter the wrong numbers, press **CLEAR** to remove the numbers you entered. Then input the correct numbers.
For example, to find a scene at 1 hour, 10 minutes, and 20 seconds, enter "11020" by using numerical buttons.
4. Press **ENTER** to confirm. Playback starts from the selected time.

Marked Playback

ACD MP3 WMA

The mark function enables you to store your favourite files from any disc or USB device in the unit memory.

1. Select [Music] on the [Home Menu].

Returning to the upper folder.
(MP3/WMA only)

File information will be displayed according to the ID3TAG information on the appropriate music file. (MP3 only)



Selecting all tracks/files.

Deselecting all tracks/files.

Moving to the previous or next file list.

2. Select a desired music on the [List] by using the \wedge / \vee then press **MARKER** to appear the mark on the list.
3. Press **ENTER** or **▶ PLAY**.
Displays the play mode.
4. Select the play mode by using the \wedge / \vee and press **ENTER**.

[Mark Play]

Marked playback.

[Current Play]

Normal playback.

! Note

If you want to select all files on the list, select [Select All] and press **ENTER**.

To delete a Marker

1. Use \wedge / \vee to select the track that you wish to erase from the marked file.
2. Press **MARKER**.

To delete all Markers

Use $\wedge / \vee / < / >$ to select [Deselect All] then press **ENTER** in program edit mode.

! Note

The markers are also cleared when the disc or USB device is removed, the unit is switched to power off or the function is switched to others.

Changing subtitle code page

DivX

If the subtitle is not displayed properly, you can change the subtitle code page to view the subtitle file properly.

1. During playback, press \square **INFO/DISPLAY** to display the On-Screen display.
2. Use \wedge / \vee to select the [Code Page] option.
3. Use $< / >$ to select desired code option.
4. Press **RETURN** (\curvearrowright) to exit the On-Screen display.

AUTO DJ playback

ACD MP3 WMA

Auto DJ blends the end of one song into the beginning of another for seamless playback. It equalizes volume across tracks for uninterrupted playback.

Press **AUTO DJ** on the remote control or unit repeatedly, the display changes as follows: order, RANDOM (AUTO DJ RANDOM) -> (AUTO DJ SEQUENTIAL) -> (AUTO DJ OFF).

Mode	Display Window	Description
OFF	- (AUTO DJ OFF)	Moving to another file.
RANDOM	RANDOM (AUTO DJ RANDOM)	Returning to the menu.
REPEAT	(AUTO DJ SEQUENTIAL)	Hiding the help menu.

Note

- Searching for a section or playing repeatedly or randomly is not supported on the AUTO DJ mode.
- If you switch to other functions or stop the music using **STOP** on the unit (**STOP** (■) on the remote control) on AUTO DJ mode, AUTO DJ function will be disabled.
- AUTO DJ function is not supported in the music file whose length is less than 60 seconds.
- All musics are repeated continually until the user deactivates the AUTO DJ function.
- During recording AUTO DJ function is not available.
- If you change a disc while the AUTO DJ function is activated the function is deactivated.

Viewing a PHOTO file

JPG

This unit can play discs with photo files.

1. Select [Photo] on the [Home Menu] and press **ENTER**.

Moving to the previous or next file list.



Returning to the upper folder.

2. Press **▲/▼** to select a folder, and then press **ENTER**.
3. If you want to view a slide show, press **▲/▼** to highlight a file and press **PLAY**.

About help menu in the [Photo] menu

Menu	Buttons	Operation
▶ Slide Show	PLAY	Viewing a slide show.
▲▼◀▶ Move	▲/▼/◀/▶	Moving to another file or content.
◎ Select	ENTER	Viewing a particular file.
↶ Close	RETURN	Returning to the [Home Menu].

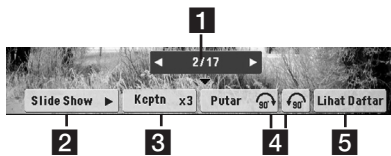
About help menu in the full screen

Menu	Buttons	Operation
Menu	INFO/DISPLAY	Displaying the Option menu.
◀/▶ Prev./Next	</>	Moving to another file.
 Close	RETURN	Returning to the [Photo] menu.

Options while viewing a photo

You can use various options during viewing a photo in full screen.

- While viewing a photo in full screen, press INFO/DISPLAY to display the option menu.
- Select an option using $\wedge / \vee / < / >$.



- 1 Current photo/ Total number of photos** – Use $< / >$ to view previous/next photo.
- 2 Slide Show** $\blacktriangleright / \parallel$ – Press **ENTER** to start or pause slide show.
- 3 Speed x3/ x2/ x1** – Use **ENTER** to select a delaying speed between photos in a slide show.
- 4 Rotate** – Press **ENTER** to rotate the photo.
- 5 Go to list** – Press **ENTER** to return [Photo] menu.

Sleep Timer Setting

Press **SLEEP** one or more times to select delay time between 10 and 180 minutes, after the unit will turn off.

To check the remaining time, press **SLEEP**.

To cancel the sleep function, press **SLEEP** repeatedly until “SLEEP 10” appears, and then press **SLEEP** once again while “SLEEP 10” is displayed.

! Note

You can check the remaining time before the Unit turns off.

Press **SLEEP** The remaining time appears in the display window.

Dimmer

Press **SLEEP** once. The display window will be darkened by half. To cancel it, press **SLEEP** repeatedly until dim off.

Turn off the sound temporarily

Press \times **MUTE** to mute your unit.

You can mute your unit in order, for example, to answer the telephone, appears the \times in the display window.

1.5 times speed playback

DVD

The 1.5 speed allows you to watch the pictures and listen to the sound quicker than playing at a normal speed.

- During playback, press **PLAY** to play at 1.5 times speed. “▶X1.5” appears on the screen.
- Press **PLAY** again to exit.

Screen Saver

unit in Stop mode for about five minutes.

System Select - Optional

You must select the appropriate system mode for your TV system. Press and hold **II (PAUSE/STEP)** for more than five seconds to be able to select a system in the [Home] menu. (AUTO/ PAL/ NTSC)

Last Scene Memory

DVD

This unit memorizes last scene from the last disc that is viewed. The last scene remains in 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.

DEMO

In power off state to demonstrate the function on display window.

VOCAL FADER

You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. (MP3/ WMA/ CD/ etc.) Press the

VOCAL FADER, and "FADE ON" will appear in display window.

To cancel it, press **VOCAL FADER** again. The quality of the VOCAL FADER may be different depending on the recording conditions of music files. This function is available only when MIC is connected.

! Note

- This function is available to use only when a microphone is connected.
- It is not available on the MONO source.

Radio Operations

Be sure that both FM/AM aerials are connected.
(Refer to the page 16)

Listening to the radio

1. Press **RADIO&INPUT** until FM/AM appears in the display window.
The last received station is tuned in.
2. Press and hold **TUNING (-/+)** for about two seconds until the frequency indication starts to change, then release. Scanning stops when the unit tunes in a station.
or
Press **TUNING (-/+)** repeatedly.
3. Adjust the volume by rotating **MASTER VOLUME** on the front panel or by pressing **VOL (+/-)** on the remote control repeatedly.

Presetting the Radio Stations

You can preset 50 stations for FM/AM.

Before tuning, make sure that you have turned down the volume.

1. Press **RADIO&INPUT** on the remote control or **RADIO** on the unit until FM or AM appears in the display window.
2. Press or rotate to select a desired frequency;
- On the remote control: **TUNING (-/+)**
- On the unit: **MULTI JOG DIAL** or **◀◀ / ▶▶**
3. Press **ENTER** a preset number will flash in the display window.
4. Press **PRESET (-/+)** to select the preset number you want.
5. Press **ENTER**.
The station is stored.
6. Repeat steps 2 to 5 to store other stations.
7. Press to select a preset station;
- On the remote control: **PRESET -/+** or 0 to 9 numerical buttons
- On the unit:
◀ PRESET - / PRESET + ▶

Deleting a saved station

1. Press **PRESET - / +** to Select a preset number you want to delete.
2. Press **CLEAR**, the preset number will blink in the display window.
3. Press **CLEAR** again, to delete the selected preset number.

Deleting all the saved stations

1. Press and hold **CLEAR** for two seconds.
"ERASE ALL" will flash up on the unit display.
2. Press **CLEAR** to erase all saved of the radio stations.

Improving poor FM reception

Press **PLAY (MONO/STEREO)** on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

Setting the USER EQ


You can listen to music with the desired sound effect by adjusting the BASS, MIDDLE and TREBLE.

1. Press **USER EQ**.
"USER EQ" is displayed.
2. Press **SET/II** to enter the **USER EQ**.
3. Select the BASS, MIDDLE or TREBLE sound effect you want by using **◀ PRESET - / ▶ PRESET +**.
4. Press **◀◀ TUNING - / ▶▶ TUNING +** or rotating **MULTI JOG DIAL** on the unit to select the sound level you want.
5. To finish the setting, press **SET/II**.



Setting the Clock

1. Turn the power on.
2. Press **CLOCK** for at least 2 seconds
3. Choose from either, by rotating the **MULTI JOG DIAL** knob or pressing **◀◀ / ▶▶**.
- AM 12:00 (for an AM and PM display) or 0:00 (for a 24 hour display)
4. Press **SET/II** for confirm your selection
5. Select the hours, by rotating the **MULTI JOG DIAL** knob or pressing **◀◀ / ▶▶**.
6. Press **SET/II**.
7. Select the minutes, by rotating the **MULTI JOG DIAL** knob or pressing **◀◀ / ▶▶**.
8. Press **SET/II**.

Using your player as an alarm clock

1. Turn the power on.
2. Press **TIMER**. Each functions flashes.
3. Press **SET/II** when the function you want to be woken by is showing.
4. "ON TIME" will be displayed. This is where you set the time you want the alarm to start. Rotate the **MULTI JOG DIAL** knob or press **◀◀ / ▶▶** to change the hours and minutes and **SET/II** to save.
5. The "OFF TIME" will be displays. This is where you set the time you want the function to stop.
6. Rotate the **MULTI JOG DIAL** knob or press **◀◀ / ▶▶** to change the hours and minutes and press **SET/II** to save.
7. Rotate the **MULTI JOG DIAL** knob or press **◀◀ / ▶▶** to change the hours and minutes and press **SET/II** to save. The clock icon  shows that the alarm is set.
8. Press **TIMER** button 2 times. You can check the setting status.

! Note

- If you set the clock time, you can check the time by pressing **CLOCK** even when the player is turned off.
- If you set the clock time and alarm, you can check the alarm icon  by pressing **CLOCK** even when the player is turned off.
- If you set the clock time and alarm, you can check the alarm icon  and setting information by pressing **TIMER** even when the unit is turned off.

Sound adjustment

Setting the surround mode

This system has a number of pre-set surround sound fields. You can select a desired sound mode by using **SOUND EFFECT**.

You can change the **SOUND EFFECT** using **</ >** arrow key while the sound effect information is displayed on.

The displayed items for the equalizer maybe different depending on sound sources and effects.

On Display	Description
NAT PLUS	You can enjoy the natural sound effect same as a 5.1-channel. (optional)
NATURAL	You can enjoy comfortable and natural sound.
Local Specialization equalizer	Regionally optimized sound effect. (DANGDUT/ ARABIC/ PERSIAN/ INDIA/REGUETON/ MERENGUE/ SAMBA/ SALSA)
AUTO EQ	Sets the sound equalizer on the mode that is the most similar to the genre which is included in the MP3 ID3 tag of song files.
POP CLASSIC JAZZ ROCK	This program lends an enthusiastic atmosphere to the sound, giving you the feeling you are at an actual rock pop, jazz or classic concert.
MP3 - OPT	This function is optimized for compressible MP3 file. It improves the treble sound.
BASS BLAST	During playback, reinforce the treble, bass and surround sound effect.
LOUDNESS	Improves the bass and treble sound .
VIRTUAL	You can enjoy more virtual surround sound.

On Display	Description
BYPASS	You can enjoy the sound without equalizer effect.

! Note

- In some of surround modes, some speakers, there's no sound or low sound. It depends on the mode of surround and the source of audio, it is not defective.
- You may need to reset the surround mode, after switching the input, sometimes even after the sound track changed.

Adjust the speaker level settings

You can adjust the sound level of each speaker.

1. Press **SPEAKER LEVEL** repeatedly to select a desired speaker to set.
2. Press **VOL +/-** to adjust the sound level of the selected speaker while the level setting menu is displayed on the display window.
3. Repeat and adjust the sound level of the other speakers.

Advanced Operations

Listening to music from your portable player or external device

The unit can be used to play the music from many types of portable player or external devices.

1. Connect the portable player to the PORT.IN(PORTABLE IN) connector of the unit.

Or

Connect the external device to the AUX connector of the unit.

2. Turn the power on by pressing **POWER**.
3. Select the PORTABLE or AUX (L/R) INPUT function by pressing **RADIO&INPUT**.
4. Turn on the portable player or external device and start it playing.

4

Operating

Recording to USB

You can record a various sound source to USB.

1. Connect the USB device to the unit.
2. Select a function in which you want to record.
3. Playback a sound source first.
4. Press **R** on the unit or **REC** on the remote control.
5. Press the **R** on the unit or **REC** on the remote control button once more when "USB REC" is displayed.
> Recording starts.

[All tracks/ files recording]

Record to USB in stop or play mode.

[Program list recording]

After marking desired file(s) and you can record it to USB (Refer to the pagepage 27).

6. To stop recording, press **■**.

It'll be stored as follows.

Audio CD	<pre> CD_REC ├── TRK_001 ├── TRK_002 ├── ... └── ... </pre>
MP3/WMA	<pre> FILE_REC ├── 001_ABC(File name) ├── 002_DEF(File name) ├── ... └── ... </pre>
The other sources (Tuner, AUX, Portable, etc)	<pre> EXT_REC ├── AUDIO_001 ├── AUDIO_002 ├── ... └── ... </pre>

 **Note**

- You can check the recording percentage rate for the USB record on the screen during the recording. (Audio CD or MP3/WMA CD only)
- During recording MP3/WMA, there is no sound.
- When you stop recording during playback, the file that has been recorded at that time will be stored.
- Do not remove the USB device during USB recording. It will result in an incomplete file being made and may not be deleted on a PC.
- If USB recording does not work, messages like "NO USB", "ERROR", "USB FULL" or "NO REC" will be displayed on the display window
- Multi card reader device or external HDD can not be used for USB recording.
- A file is recorded by 128 Mbyte (about 2 hours) when you record for a long term. There are recorded less than 4 files.
- When you stop recording during playback, the file will not be stored. (In case of audio disc)
- USB record is not possible from CD-G discs.
- During recording, you can select a function by pressing, **HOME, AUX/ PORTABLE/ iPod, RADIO** on the unit or **HOME, RADIO&INPUT** on the remote control.

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offense. This equipment should not be used for such purposes.

**Be responsible
Respect copyrights**

Troubleshooting

PROBLEM	CORRECTION
No power	Plug the power cord into the wall outlet securely.
No picture	Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen.
	Connect the video cables securely to both the TV and unit.
There is little or no sound	Select the correct input mode of the unit so you can hear the sound from the unit.
	Connect the audio cables into the connection terminals correctly.
	Replace with a new audio cable.
The DVD picture quality is poor	Clean the disc using a soft cloth with outward strokes.
A DVD/CD will not play	Insert a disc.
	Insert a playable disc (check the disc type, colour system and regional code).
	Place the disc with the label or printed side facing upwards.
	Enter your password or change the rating level.
Humming noise heard while a DVD or CD is playing	Clean the disc using a soft cloth with outward strokes.
	Move unit and audio components further away from your TV.
Radio stations can't be tuned in properly	Check the antenna connection and adjust its position.
	Attach an external aerial if necessary.
	Tune to the station manually.
	Preset some radio stations, see pagepage 31 for details.
The remote control doesn't work well / at all	The remote is not pointed directly at the unit. Point the remote directly at the unit.
	The remote is too far from the unit. Use the remote within 23 feet (7m) of the unit.
	There is an obstacle in the path between the remote control and the unit. Remove the obstacle.
	The battery in the remote control are flat. Replace the battery with new ones.
iPod does not work	Check whether the player is connected to the unit correctly. Connect it to the unit correctly.

Maintenance

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.
- Wiping with strong pressure may damage the surface.
- Do not leave rubber or plastic products in contact with the unit for a long period of time.

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. For details, please contact your nearest authorized service center.

Notes on Discs

Handling Discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.

Storing Discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

Cleaning Discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center to out.

Do not use strong solvents such as alcohol, benzine, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

Area Code List

Choose an area code from this list.

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

Language code List

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

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

Trademarks and Licenses



Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.



"DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation.



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

"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.


Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.



DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.



Specifications

General	
Power requirements	Refer to main label.
Power consumption	Refer to main label.
Dimensions (W x H x D)	273 x 333 x 339 mm without foot
Net Weight (Approx.)	5.7 kg
Operating temperature	41 °F to 95 °F (5 °C to 35 °C)
Operating humidity	5 % to 90 %
Bus Power Supply (USB / iPod)	DC 5 V  500 mA

Inputs/ Outputs	
VIDEO OUT	1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1
COMPONENT VIDEO OUT	(Y) 1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1 (Pb)/(Pr) 0.7 V (p-p), 75 Ω, RCA jack x 2
ANALOG AUDIO IN	2.0 Vrms (1 kHz, 0 dB), 600 Ω, RCA jack (L, R) x 1
PORT. IN	0.5Vrms (3.5 mm stereo jack)

Amplifier		
Stereo mode	150 W + 150 W (4 Ω at 1 KHz)	
Surround mode	Front	150 W + 150 W (4 Ω at 1 KHz)
	Subwoofer	200 W (3 Ω at 60 Hz)

Tuner	
FM Tuning Range	87.5 to 108.0 MHz or 87.50 to 108.00 MHz
AM Tuning Range	522 to 1 620 kHz, 520 to 1 710 kHz or 522 to 1 710 kHz

CD	
Frequency Response	40 to 20 000 Hz
Signal-to-noise ratio	75 dB
Dynamic range	80 dB

Front Speaker	
Type	2 Way 2 speaker
Impedance Rated	4 Ω
Input Power	150 W
Max. Input Power	300 W
Net Dimensions (W x H x D)	240 x 387 x 336 mm
Net Weight	5 kg

Passive Subwoofer	
Type	1 Way 1 Speaker
Impedance Rated	3 Ω
Input Power	200 W
Max. Input Power	400 W
Net Dimensions (W x H x D)	261 x 331 x 409 mm
Net Weight	6.5 kg

Design and specifications are subject to change without notice.

