LG

Life's Good

OWNER'S MANUAL

DVD Receiver System

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

MODEL
HT905TAW (HT905TAW, SH95TA-F/ S/ C/ W, W95)

1
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.

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. 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: 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.

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.

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 overheating. 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 instructions have been adhered to.

- The appliance is not intended for use by young children or infirm persons without supervision.
- Young Children should be supervised to ensure that they do not play with appliance.
- If the appliance is supplied from a cord extension set or an electrical portable outlet device, the cord extension set on electrical portable outlet device must be positioned so that it is not subject to splashing or ingress of moisture.

Where Fitted:

A device is equipped with a portable battery or accumulator.

Safe way to remove the battery or the battery from the equipment:

Remove the old battery or 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 pack or batteries must be disposed in the appropriate container at designated collection points. Do not dispose of batteries or battery pack together with other waste. It is recommended that you use local, free reimbursement system batteries and accumulators. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

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

Contents

1
2
3
4
5
6
7

1

2

3

4

5

6

7

2
Preparation

Unique Features

Portable In

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

USB Direct Recording

Records music from CD to your USB device.

Full HD up-scaling

Views Full HD picture quality with simple setup.
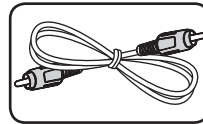
Home Theatre Speaker ez Setup

listens to sound from TV, DVD and Digital device with vivid 5.1 (2.1 or 2.0) ch mode.
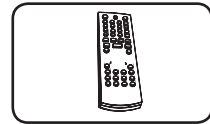
Made for iPod

Plays music from IPod with simple connection.
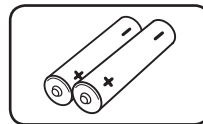
Accessories

Please check and identify the supplied accessories.
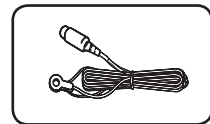
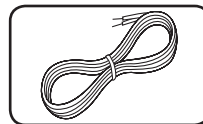Video cable (1)   Remote control (1)

Batteries (2)   FM antenna (1)

Speaker cables (6)

Introduction

Playable Discs

This unit plays DVD±R/RW and CD-R/RW discs that contain audio titles, DivX, MP3, WMA and/or JPEG files. Some DVD±RW/DVD±R or CD-RW/CD-R discs 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 discs and file listed below   **ALL**

MP3 files   **MP3**

DVD and finalized DVD±R/RW   **DVD**

WMA files   **WMA**

DivX files   **DivX**

Audio CDs   **ACD**

JPG files   **JPG**

> **NOTE**
Indicates special notes and operating features.

> **TIP**
Indicates tip and hints for making the task easier.

> **CAUTION**
Indicates cautions for preventing possible damages from abuse.

Regional Codes

This unit has a regional code printed on the rear of the unit. This unit can play only DVD discs labelled the 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.

Playable file Requirement

MP3/ WMA music file requirement

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

- Sampling frequency : within 32 to 48 kHz (MP3), within 32 to 48 kHz (WMA)

- Bit rate : within 32 to 320 kbps (MP3), 40 to 192 kbps (WMA)

- Support Version : v2, v7, v8, v9

- Maximum files : Under 999

- File extensions : ".mp3"/ ".wma"

- CD-ROM file format : ISO9660/ JOLIET

- We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.

Photo file requirement

Photo file compatibility with this unit is limited as follows :

- Max pixel in width : 2760 x 2048 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 : ISO9660/ JOLIET

DivX file requirement

DivX file compatibility with this unit is limited as follows :

- Available resolution: within 720x576 (W x H) pixels.

- The file name of the DivX subtitle should be entered within 45 characters.

- If there is impossible code to express in the DivX file, it may be displayed as " _ " mark on the display.

- Frame rate : less than 30 fps.

- 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", "MP4V3", "3IVX".

- Playable Audio format : "AC3", "DTS", "PCM", "MP3", "WMA".

- Sampling frequency : within 32 to 48 kHz (MP3), within 32 to 48 kHz (WMA)

- Bit rate : within 32 to 320 kbps (MP3), 40 to 192 kbps (WMA)

- For Discs formatted in Live file system, you can not 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 displayed.

- If you play a DivX file different from DivXspec, it may not operate normally.

Remote control

Remote control
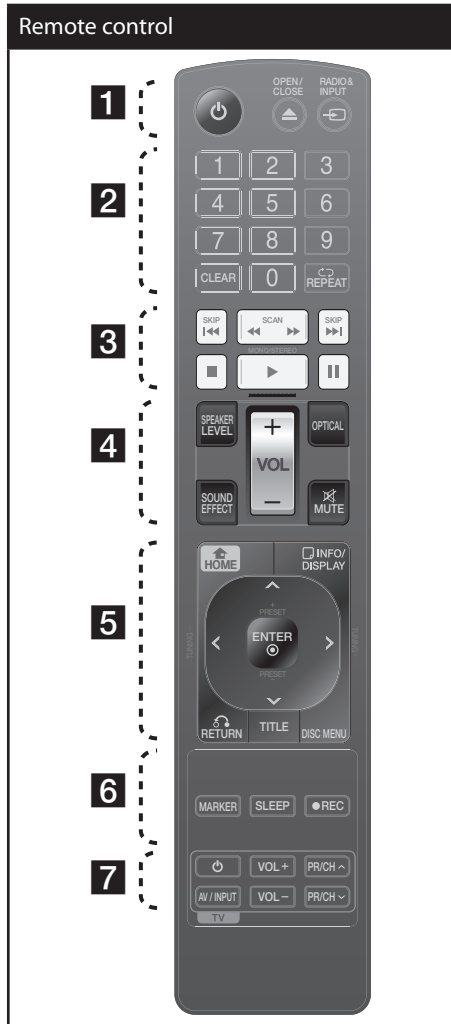
• • • • • • • • • • **1** • • • • • • • • • •

⏻ **(POWER)** : Switches the unit ON or OFF.

⏏ **OPEN/CLOSE** : Opens and closes the disc Drawer.

⊸ **RADIO&INPUT**: Changes input sources.

• • • • • • • • • • **2** • • • • • • • • • •

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

CLEAR : Removes a number when setting the password.

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

• • • • • • • • • • **3** • • • • • • • • • •

◄◄ /►►I **SKIP** : Goes to next or previous chapter/ track/ file.

◄◄/►► **SCAN** : Searchs backward or forward.

■ **(STOP)** : Stops playback or recording.

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

❚❚ **(PAUSE/STEP)** : Pauses playback.

• • • • • • • • • • **4** • • • • • • • • • •

SPEAKER LEVEL: Sets the sound level of desired speaker.

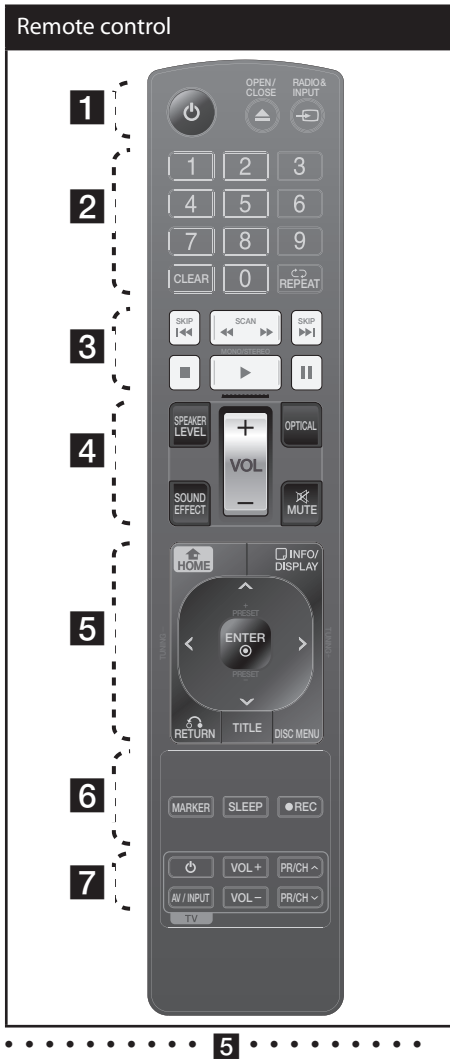**SOUND EFFECT**: Selects a sound effect mode.

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

OPTICAL: Changes input source to optical directly.

⌀ **MUTE :** Mutes the sound.

> **Place the battery into the remote control compartment.**
>
> Making sure correct polarity is observed + (plus) and – (minus).

2

Preparation

Remote control

• • • • • • • • • • **5** • • • • • • • • • •

⌂ **HOME**: Displays the [Home] menu.

▯ **INFO./DISPLAY** : Accesses On-Screen Display.

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

PRESET (**+/-**) : Selects programme of Radio.

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

⊙ **ENTER** : Acknowledges menu selection. Presetting the radio stations.

∿ **RETURN** : Moves backwards in the menu or exits the setup menu.

TITLE : If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may not appear.

DISC MENU : Accesses the menu on a DVD disc.

• • • • • • • • • • **6** • • • • • • • • •

MARKER : Marks play list.

SLEEP : Sets the System to turn off automatically at a specified time. (Dimmer : The display window will be darken by half.)
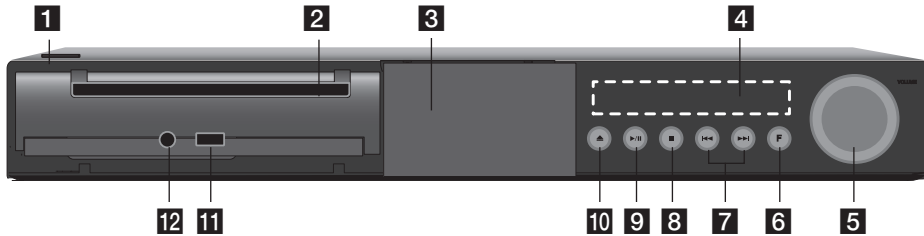
● **REC** : USB Direct Recording.

• • • • • • • • • • **7** • • • • • • • • •

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

> ### Controlling the TV
>
> By pressing the designated buttons you can control the sound level (VOL+-), Input source (AV Input), Channel Selection (PR/CH) and (Power) On/Off switching of LG TVs as well. Pressing the(Power) or (PRCH) **Λ/V** button will also Turn TV ON.

Front panel

2

a **⏻/I (POWER)**
Switches the unit ON or OFF.

b Disc Tray

c iPod Dock

d Display window
Shows the current status of the unit.

e **VOLUME**
Adjusts speaker volume.

f **F (FUNCTION)**
Changes the input source or function.

g **⏮/⏭ (SKIP)**
Go to next or previous file/track/chapter.
Searches backward or forward (Press and hold)
Tunes in the desired radio station.

h ■ **(STOP)**
Stops playback.

i ►/II **(PLAY / PAUSE)**
Starts playback.
Pause playback temporarily, press again to exit pause mode.

j ⏏ **(OPEN/CLOSE)**
Opens or closes the disc tray.

k USB Port
Connect a USB device.

l PORT. IN
Connect to a portable player with audio outputs.

Rear panel
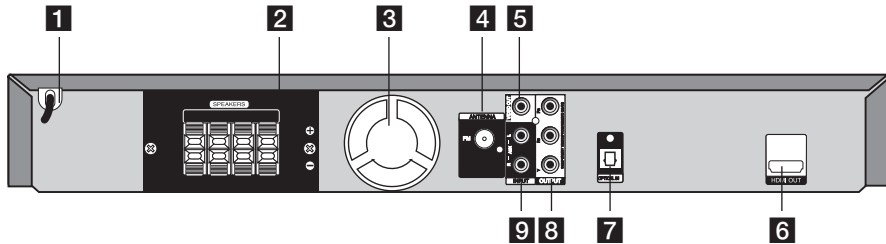
1 Power cord

2 Speakers connectors
Connect the speaker cables.

3 Cooling Fan

4 Antenna Connector
FM- Connect the FM wired antenna

5 VIDEO OUT
Connect to a TV with video inputs.

6 HDMI OUT (Version 1.2A)
Connect to TV with HDMI inputs.
(Interface for digital audio and video)

7 OPTICAL IN
Connect to optical audio equipment.

8 COMPONENT VIDEO (Y PB PR)OUTPUT
(PROGRESSIVE SCAN)
Connect to a TV with Y PB PR inputs.

9 AUX (L/R) INPUT
Connect to an external source with 2
channel audio outputs.

3
Installation

Assembling the speaker stand to the speaker
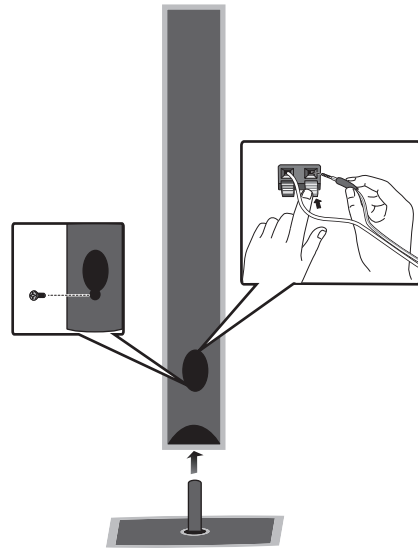
Before connecting the speakers, assemble the speakers. Please check the items for assembling the speakers.

Pakage contents
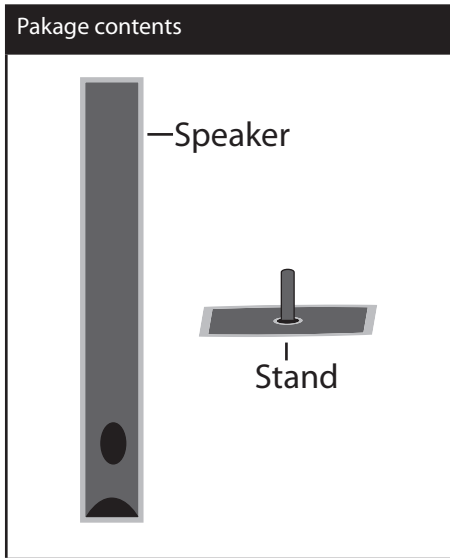
— Speaker

Stand

Attach the speakers to the speaker stands by rotateing the screws.

Attaching the speakers to the main unit

1. You will have received six speaker cables. Each one is color-coded by a band near each end and connects one of the six speakers to the unit.

2. Connect the wires to the unit.
   Match each wire's colored band to the same colored connection terminal on the rear of the unit. To connect the cable to the unit, press each plastic finger pad to open the connection terminal. Insert the wire and release the finger pad.
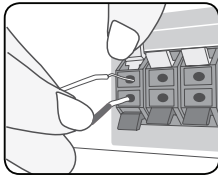
   Connect the black end of each wire to the terminals marked -(minus) and the other end to the terminals marked + (plus).

3. Connect the wires to the speakers. Connect the other end of each wire to the correct speaker according to the color coding:

Color	Speaker	Position
Green	Center	Center
Orange	Sub woofer	Any front position
Red	Front	Front right
White	Front	Front left

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

> ⚠ **CAUTION**
>
> Be careful children do not to put their hands or place any objects into the *speaker duct.
> *Speaker duct: Creates deep bass sound from Speaker cabinet. (enclosure)

Connecting Wireless speakers

WIRELESS Receiver LED indicator

LED Color	Operation
Blue	The wireless receiver is receiving the signal of the wireless transmitter.
Red	The Wireless Receiver is in standby mode.
Off (No display)	The Wireless Receiver is turned off.

Initial ID setting Wireless Receiver

1. Connect the Wireless Receiver and the rear speaker (right, left) with the speaker cables.

2. Connect the power cord of the Wireless Receiver to the outlet.

3. Turn on the main unit and Wireless Receiver: The main unit and wireless receiver will be automatically connected. "MATE OK" appears in display window.

Setting an ID of Wireless Receiver

When the unit is manufactured, the ID is already set. If any interference occurs which causes loss of ID or you use a new wireless receiver, an ID mating should be set again.

1. Turn on the main unit and turn off the wireless receiver.

2. Press and hold ■ (STOP) button on the front of unit and MUTE button on the remote control simultaneously for a few seconds until "REMATE" appears in display window.

3. Turn on the Wireless Receiver. A new ID is set.

3

Installation

About Ferrite Core (for EMI only)

Be sure to attach the ferrite core to the speaker cable. By connecting this Ferrite core to Unit it can reduce interference Noise. This ferrite core can reduce noises.

How to attach the ferrite core

1. Press the stopper [a] of the ferrite core to open.

2. Wind the speaker cables once on the ferrite core.

3. Close the ferrite core until it clicks.
   Refer to the fig.3 and comment.

1	[a]
2	
3 (fig. 3)	Rear of wierless receiver The length of wire between connector and ferrite core should be as short as possible.

⚠ NOTE

• If there is a strong electromagnetic field prom nearby product, interference may occur. Reposition the unit (Wireless Receiver and main unit) away from this area.

• If there is no audio signal present for longer than 10 minutes, the Wireless Receiver will automatically switch to standby mode. In power saving mode, both LEDs will turn red. LEDs will turn blue when Audio signal returns.

• If you operate main unit from Standby mode, audio from wireless speakers (rear speakers) will commence within a few seconds.

• Set the distance between this unit and Wireless Receiver within 10 m (32 ft.).

• Optimum performance can be implemented only when the Wireless Transmitter and the Wireless Receiver within distance of 2 m (6 ft.) to 10 m (32 ft.) is used since communication failure may occur if longer distance is used.

• Be sure to match the speaker cable to the appropriate terminal on the components: + to + and – to –. If the cables are reversed, the sound will be distorted and will lack bass.

• It takes a few seconds (and may take longer) for the Wireless Transmitter and Wireless Receiver to communicate with each other.

• Use the rear speaker at least 30 cm (11 inch) away from either TV screen or PC monitor.
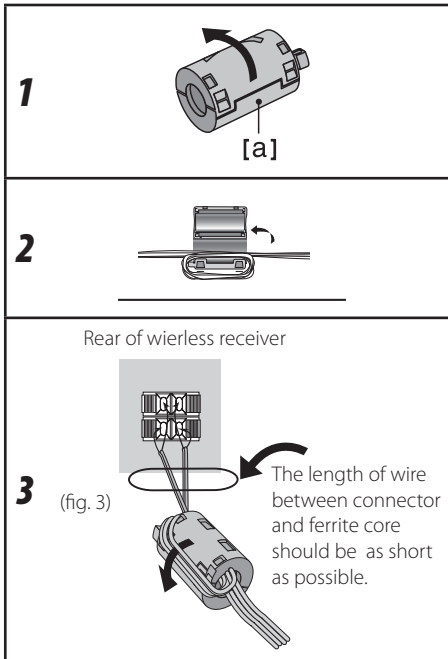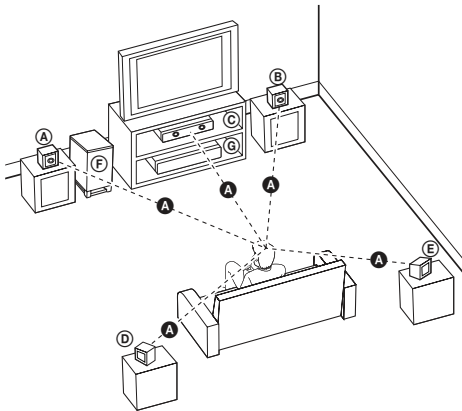
Positioning the system

The following illustration shows an example of positioning the system. Note that the illustrations in these instructions differ from the actual unit for explanation purposes.
For the best possible surround sound, all the speakers other than the subwoofer should be placed at the same distance from the listening position (Ⓐ).

Ⓐ **Front left speaker (L)/**
Ⓑ **Front right speaker (R):**
Place the front speakers to the sides of the monitor or screen and as flush with the screen surface as possible.

Ⓒ **Center speaker:**
Place the center speaker above or below the monitor or screen.

Ⓓ **Surround left speaker (L)/**
Ⓔ **Surround right speaker (R):**
Place these speakers behind your listening position, facing slightly inwards.

Ⓕ **Subwoofer:**
The position of the subwoofer is not so critical, because low bass sounds are not highly directional. But it is better to place the subwoofer near the front speakers. Turn it slightly toward the center of the room to reduce the wall reflections.

Ⓖ **Unit**

3

Installation

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. Switch the TV input source 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 OUTPUT (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.

Component Connection

Unit

TV

Green
Blue
Red
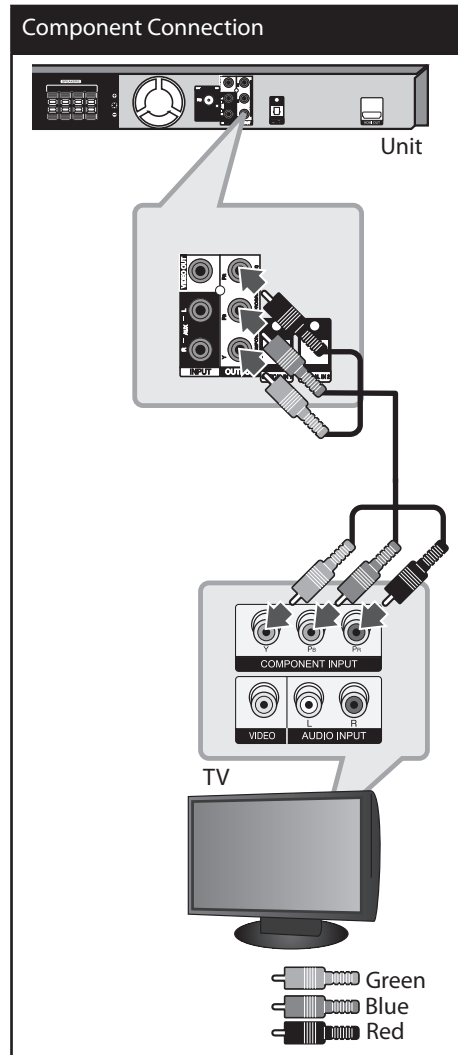
HDMI Out Connection

If you have a HDMI TV or monitor, you can connect it to this unit using a HDMI cable. Connect the HDMI OUT jack on the unit to the HDMI IN jack on a HDMI compatible TV or monitor.
Set the TV's source to HDMI (refer to TV's Owner's manual).

HDMI Connection

Unit
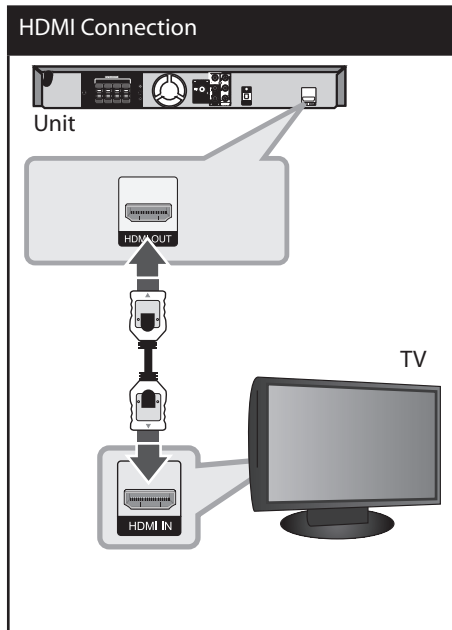
TV

HDMI OUT

HDMI IN

! TIP

- You can fully enjoy digital audio and video signals together with this HDMI connection.

- When you use HDMI connection, you can change the resolution for the HDMI output. (Refer to "Resolution Setting" on page 21.)

! NOTE

- If a connected HDMI device does not accept the audio output of the unit, the HDMI device's audio sound may be distorted or may not be output.

- When you connect a HDMI or DVI compatible device make sure of the following:
  - Try switching off the HDMI/DVI input device and this unit. Next, switch on the HDMI/DVI input device first and leave it for around 30 seconds, then switch on this unit allowing it time to connect to input device.
  - The connected device's video input is set correctly for this unit.
  - The connected device is compatible with 720x480i (or 576i), 720x480p (or 576p), 1280x720p,1920x1080i or 1920x1080p video input.

- Not all HDCP-compatible HDMI or DVI devices will work with this unit.
  - The picture will not be displayed properly with non-HDCP device.
  - This unit does not playback and TV screen exhibits black or green screen or white snow noise on the screen.

- If there is noise or lines on the screen, please check the HDMI cable and use a HDMI cable version higher than 1.2A

! CAUTION

- Changing the resolution when the connection has already been established may result in malfunctions. To solve the problem, turn off the unit and then turn it on again.

- When the HDMI connection with HDCP is not verified, TV screen may change to black or green screen or the snow noise may occur on the screen. In this case, check the the HDMI connection, or disconnect the HDMI cable.

Video Connection

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

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

Video Connection

Unit

TV

Yellow
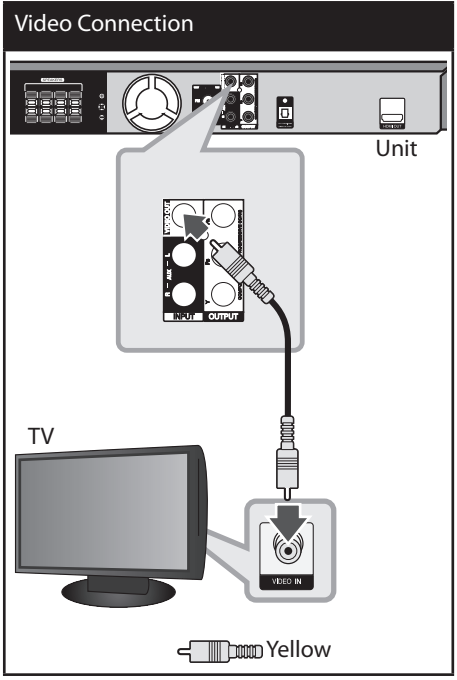
Resolution Setting

The unit provides several output resolutions for HDMI OUT and COMPONENT VIDEO OUT jacks. You can change the resolution using [Setup] menu.

1. Press ⏏ **HOME**.

2. Use **</>** to select the [Setup] and press ⊙ **ENTER**. The [Setup] menu appears.

3. Use **∧/∨** to select [DISPLAY] option then press **>** to move to the second level.

4. Use **∧/∨** to select the [Resolution] option then press **>** to move to the third level.

5. Use **∧/∨** to select the desired resolution then press ⊙ **ENTER** to confirm your selection.

⚠ NOTE

If your TV does not accept the resolution you have set on the player, you can set resolution to 480p (or 576p) as follows:

Press ■ **(STOP)** for more than 5 seconds.

Video Output Resolution

Displayed resolution in display window and outputted resolution may different according to connection type.

[HDMI OUT]: 1080p, 1080i, 720p and 480p (or 576p) and 480i (or 576i)

[COMPONENT VIDEO OUT]: 480p (or 576p) and 480i (or 576i)

[VIDEO OUT]: 480i (or 576i)

3

Installation

Optional Equipment Connection

AUX In Connection

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

AUX In Connection

Unit

To the audio output jacks of your component (TV, VCR, etc.)

Red
White
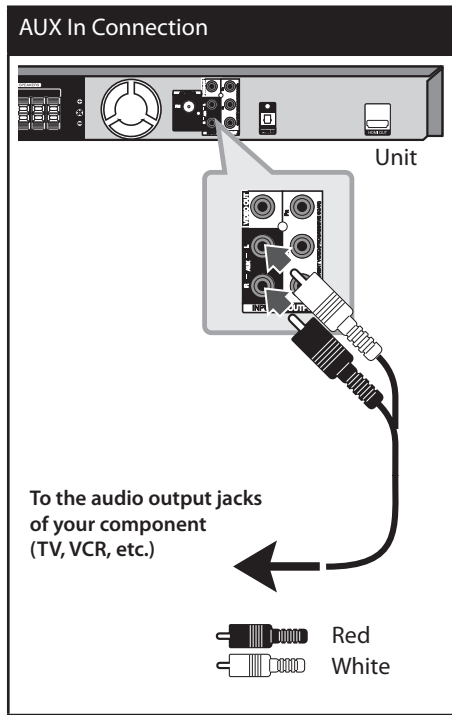
⚠ **NOTE**

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

AUDIO (PORT. IN) In Connection

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

PORT.IN Connection

MP3 player, etc...
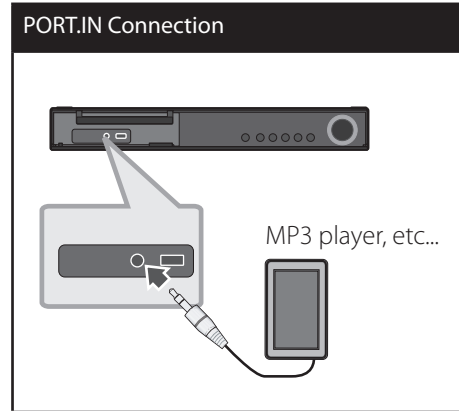
Listening to music from your portable player or external device

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.

USB Connection

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

USB Connection
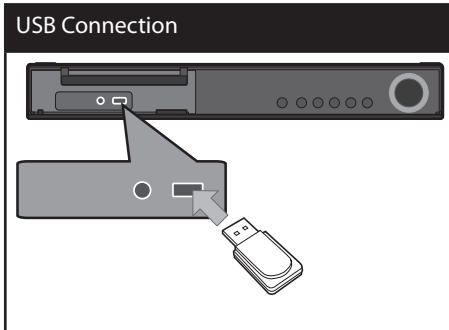
Removing the USB Device from the unit

1. Choose a different function mode or press **STOP** (■) twice in a row.

2. Remove the USB device from the unit.

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 minutes to recover and search for data.

• 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.

OPTICAL In connection

Connect an optical output of Unit (or Digital Device etc) to the OPTICAL IN connector.

OPTICAL IN Connection

To the digital optical output jack of your component
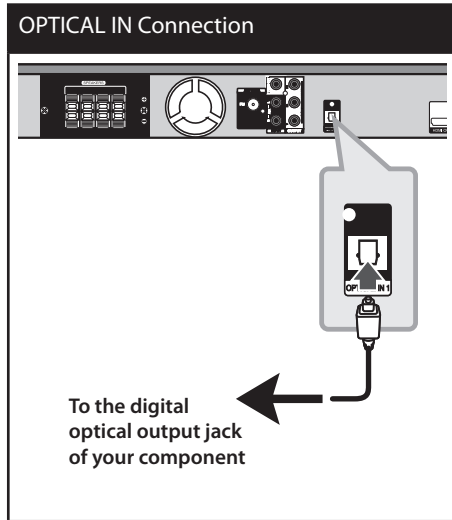
Home theatre speaker ez setup

Listen to sound from TV, DVD and Digital Device with 5.1(2.1 or 2)ch mode. Even in power off mode, if you press **OPTICAL**, Unit is powered ON and is automatically changed to AUX OPT mode.

1. Connect the unit's OPTICAL IN jack to jack on optical out of your TV (or Digital Device etc.).

2. Select the AUX OPT by using the **OPTICAL**. To select the AUX OPT directly

3. Listen sound with 5.1(2.1 or 2)ch speaker.

4. To escape from AUX OPT by using the **OPTICAL**. Function is retuned to previous one.

Antenna Connection

Connect the supplied FM antenna for listening to the radio.

Connect the FM Wire antenna to the FM antenna connector.

Antenna Connection
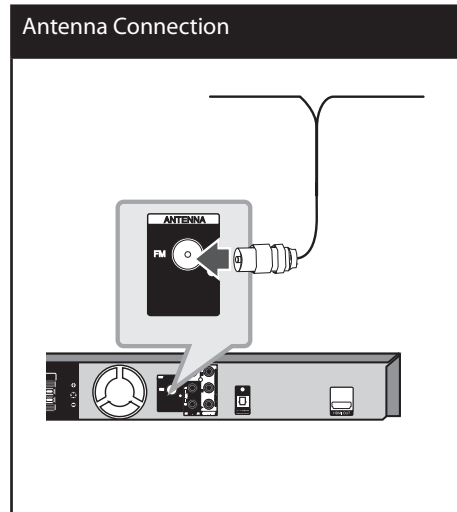
⚠ NOTE

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 25 to 29.

OSD Initial language settings

During the first use of this unit, 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 ∧ ∨ **< >** to select a language then press ⊙ **ENTER**.
   The confirm menu will appear.

3. Use **< >** to select the [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
▲▼ Move	∧ ∨	Moving to another menu.
◄ Move	<	Moving to previous level.
► Move	>	Moving to next level or selecting menu.
↩ Close	↩ RETURN	To exit the [Setup] menu or [5.1 Speaker Setup].
⊙ 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 44. 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]
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. (If the disc/file is not compatible with Pan Scan, the picture is displayed at Letterbox ratio.)

Resolution

Sets the output resolution of the Component and HDMI video signal. Refer to "Resolution Setting" for details about the resolution (page 21).

[Auto]
If the HDMI OUT jack is connected to TVs providing display information (EDID), automatically selects the resolution best suited to the connected TV. If the COMPONENT VIDEO OUT is only connected, this changes the resolution to 480i (or 576i) as default resolution.

[1080p]
Outputs 1080 lines of progressive video.

[1080i]
Outputs 1080 lines of interlaced video.

[720p]
Outputs 720 lines of progressive video.

[480p (or 576p)]
Outputs 480 (or 576) lines of progressive video.

[480i (or 576i)]
Outputs 480 (or (576) lines of interlaced video.

Audio

5.1 Speaker Setup

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

1. Select [5.1 Speaker Setup] on the [Audio] menu.

2. Press ⊙ **ENTER**.
   The [5.1 Speaker setup] appears.

3. Use **< >** to select the desired speaker.

4. Adjust options using **∧ ∨ < >** buttons.

5. Returns to the previous menu by pressing ♂ **RETURN**.

[Speaker selection]
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]
Press **< >** to adjust the output level of the selected speaker.

Front L/R : 0 ~ -5
SubWoofer, Rear L/R, Center : 5 ~ -5

[Distance]
After you connected speakers to your unit, set the Distance between the speakers and your listening point if the distance of Center or Rear speakers is bigger than the distance of Front speakers. This allows the sound from each speaker to reach the listener at the same time. Press **< >** to adjust the Distance of the selected speaker. This distance is equivalent to a difference of the distance between Center or Rear speaker and Front speakers.

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

3

Installation

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.

HD AV Sync

Sometimes Digital TV encounters a delay between picture and sound. If this happens you can compensate by setting a delay on the sound so that it effectively 'waits' for the picture to arrive: this is called HD AV Sync. Use ∧ ∨ (on the remote control) to scroll up and down through the delay amount, which you can set at anything between 0 and 300m sec.

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.

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 ∧ ∨ buttons.

4. Press ⊙ **ENTER** and select the second character using ∧ ∨ 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 ∧ ∨ 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. Press ⊙ **ENTER**.

3. 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.

4. 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.

Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 45.

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 VOD

We provide you with the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos using the DivX® VOD service.

For more information, visit www.divx.com/vod.

Press ⊙ **ENTER** when [DivX(R) VOD] is highlighted and you can view the registration code of the unit.

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

3

Installation

4
Operation

Using the Home Menu

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

2. Select an option by using **< >**.

3. Press ⊙ **ENTER** then selected 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.

> ⚠ **NOTE**
>
> You can not select the [Music], [Movie] or [Photo] option when the USB device is not connected or a disc is not inserted.

Basic Operations

1. Insert the disc by using the ⏏ **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 belows. Select a media then press ⊙ **ENTER**.

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 files contained in the USB storage device or disc automatically.

To	Do this
Stop	Press ■ **(STOP)**
Playback	Press ▶ **(PLAY)**, **MONO/ STEREO**.
Pause	Press II **(PAUSE/STEP)**.
Frame- by-Frame playback	Press II **(PAUSE/STEP)** repeatedly to play title Frame-by-Frame. (DVD, DivX only)
Skipping to the next/ previous chapter/ track/ file	During playback, press I◀◀ /▶▶I **SKIP** to go to the next chapter/ track/ file or to return to the beginning of the current chapter/ track/ file. Press I◀◀ **SKIP** twice briefly to step back to the previous chapter/ track/ file.
Locating a point quickly by playing a file in fast forward or fast reverse	During playback, press ◀◀/▶▶ **SCAN** repeatedly to select the required scan speed. To return to normal speed, press ▶ **(PLAY)**, **MONO/ STEREO**.
Playing repeatedly or randomly	Press ⟳ **REPEAT** repeatedly, and the current title, chapter or track will be played back repeatedly or randomly. DVD : Chapter/ Title/ Off - DivX : Title/ All/ Off - Audio CD/ MP3/ WMA : Track/ All/ Random/ Off
Slowing down the playing speed	In the pause mode, press SLOW (◀◀ or ▶▶) to select the required speed. (DVD, DivX only) The DivX file cannot be slow down reverse playback.

Other Operations

Displaying Disc Information on-screen

You can display various information about the disc on the screen once it has been loaded and read.

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 ∧ ∨ 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 on-screen display disappears.

4

Operation

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 ∧ ∨ < >.

3. Press ▶ **(PLAY)**, **MONO/STEREO** 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 ∧ ∨ < >.

3. Press ▶ **(PLAY)**, **MONO/STEREO** to confirm.

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.

1. During playback, press ▶ **(PLAY)**, **MONO/STEREO** to play at 1.5 times speed. "▶X1.5" appears on the screen.

2. Press ▶ **(PLAY)**, **MONO/STEREO** again to exit.

Screen Saver

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

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 ∧ ∨ 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.

Resume playback
DVD   DivX   ACD   MP3   WMA

The unit records the point where you pressed the ■ (STOP) depending on the disc.
If "❚❚■ (Resume Stop)" appears on the screen briefly, press ▶ **(PLAY)**, **MONO/STEREO** to resume playback (from the scene point).

If you press ■ (STOP) twice or unload the disc, "■"(Complete Stop) appears on the screen. The unit will clear the stopped point.

> **! NOTE**
>
> The resume point may be cleared when a button is pressed (for example; ⏻ **(POWER)**, ⏏ **OPEN/CLOSE**, etc).

4

Operation

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.

Music 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 ∧ ∨ then press **MARKER** to appears the mark on the list.

3. Press ⊙ **ENTER** or ▶ **(PLAY)**, **MONO/ STEREO**.
Displays the play mode.

4. Select the play mode by using the ∧ ∨ 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 ∧ ∨ to select the track that you wish to erase from the marked file.

2. Press **MARKER**.

To delete all Markers

Use ∧ ∨ < > 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.

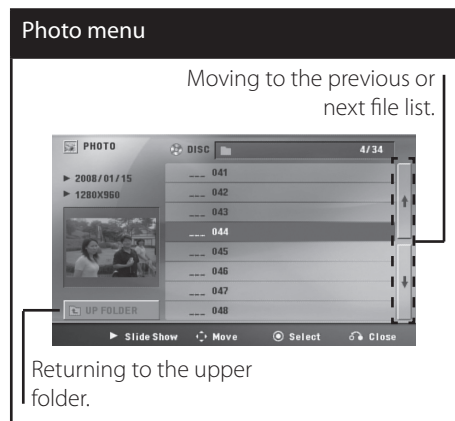## Changing subtitle code page [DivX]

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

1. During playback, press ⊡ **INFO/DISPLAY** to display the On-Screen display.

2. Use ∧ ∨ to select the [Code Page] option.

3. Use < > to select desired code option.

4. Press ⤺ **RETURN** to exit the On-Screen display.

4

Viewing a PHOTO file `JPG`

This unit can play discs with photo files.

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

Photo menu

Moving to the previous or next file list.

PHOTO	DISC	4/34
▶ 2008/01/15	---	041
▶ 1280X960	---	042
	---	043
	---	044
	---	045
	---	046
	---	047
🗀 UP FOLDER	---	048
▶ Slide Show ✛ Move ⊙ Select ↰ Close		

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)**, **MONO/STEREO**.

About help menu in the [Photo] menu.

Menu	Buttons	Operation
▶Slide Show	▶ (PLAY), MONO/ STEREO	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.

1. While viewing a photo in full screen, press ▭ **INFO./DISPLAY** to display the option menu.

2. Select an option using ∧ ∨ < >.

a Slide Show ▶   Speed x3   Rotate   Go to list

a **Current photo/ Total number of photos** – Use < > to view previous/next photo.

b **Slide Show ▶/ ‖**– Press ⊙ **ENTER** to start or pause slide show.

c **Speed x3/ x2/ x1** – Use ⊙ **ENTER** to select a delaying speed between photos in a slide show.

d **Rotate** – Press ⊙ **ENTER** to rotate the photo.

e **Go to list** – Press ⊙ **ENTER** to return [Photo] menu.

4 Operation

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 darken by half. To cancel it, press **SLEEP** repeatedly until dim off.

Turn off the sound temporarily

Press **MUTE** to mute your unit.

You can mute your unit , for example, to answer the telephone.
Press MUTE and "MUTE" is displayed.

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.

System Select - Optional

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

> **NOTE**
>
> If the USB device is connected or a disc is inserted, this function is not operated.

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 memu is displayed on the display window.

3. Repeat and adjust the sound level of the other speakers.

4

Operation

Radio Operations

Be sure that both FM aerials are connected. (Refer to the page 24)

Listening to the radio

1. Press ⏎ **RADIO&INPUT** until FM 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 **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.

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

1. Press ⏎ **RADIO&INPUT** until FM appears in the display window.

2. Select the desired frequency by using **TUNING** (-/+)

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 the steps 2 to 5 to store other stations.

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.

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 selectd preset number.

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.

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.
NATURAL	You can enjoy comfortable and natural sound
Local specialization equalizer	Regionally optimized sound effect. (DANGDUT/ ARABIC/ PERSIAN/ INDIA/ REGUETON/ MERENGUE/ SAMBA/ SALSA/ CUMBIA/ AFRO)
AUTO EQ	Realizes the sound equalizer that is the most similar to the genre of 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.
BASS	During playback, reinforce the treble, bass and surround sound effect.

On Display	Description
CLRVOICE	This program makes voice /speech sound clear, improving the quality of vocal sound. (We encourage to use this EQ when you watch the movie of 5.1 channel.)
GAME	You can enjoy more virtual sound while playing video games.
NIGHT	This may be useful when you want to watch movies at low volume late at night.
RETOUCH	When listening to MP3 files or other compressed music, you can enhance the sound. This mode is available only to 2 channel sources.
LOUDNESS	Improves the bass and treble sound.
VIRTUAL	You can enjoy more virtual surround sound.
PLII MOVIE PLII MUSIC	Dolby Pro Logic II enables you to play stereo source on 5.1-channel..
BYPASS	You can enjoy the sound without equalizer effect.

⚠ NOTE

- In some of surround mode settings, there may be LOW or NO sound present through some speakers. This depends on the Surround Mode setting and the source of audio that is played. This does NOT mean the Unit is defective.
- You may need to reset the surround mode, after switching the input, sometimes even after the sound track changed.

Advanced Operations

Recording to USB

You can record music or sound souce to USB device by connecting in to the port on the unit.

1. Connect the USB device to the unit.

2. Select a mode in which you want to record. Play back a sound source first.

3. Start the recording by pressing ● **REC**.

4. To stop recording, press ■ **(STOP)**.

[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 page 33).

It'll be stored as follows

Audio CD	📁 CD_REC ├─ TRK_001 ├─ TRK_002 │ ▪ │ ▪ │ ▪
MP3/ WMA	📁 FILE_REC ├─ 001_ABC(File name) ├─ 002_DEF(File name) │ ▪ │ ▪ │ ▪
The other sources (Tuner, AUX, Portable)	📁 EXT_REC ├─ AUDIO_001 ├─ AUDIO_002 │ ▪ │ ▪ │ ▪

ⓘ 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. (Audio CD only)

- Do not remove the USB device or turn off the unit during USB recording. If not, an incomplete file may be made and not deleted on PC.

- If USB recording does not work, the message like "NO USB", "ERROR", "USB FULL" or "NO REC" is displayed on the display window.

- Multi card reader divice or external HDD can not be used for USB recording.

- When recording for long periods, a file is recorded at 128 Mbyte size (about 2 hours). Therefore less than 4 files are recorded.

- When you stop recording during playback, the file will not be stored.

- In the User state of CD-G, DTS type disc, USB record is not available or operated.

- The files in the sub-folders are not recorded during all track recording.

- You may not record more than 999 files.

- The numbering of the recording file is entered from the lowest number. So if you delete some of the recording files, the next recording file could be the lowest number among them.

Playing the iPod

You can enjoy accessing the media files from 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 connect the video connection (VIDEO OUT) jack on the rear panel of this unit to your TV input. 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 of 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.

Enjoying iPod in iPod IN mode

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

1. Connect the iPod firmly.
   To open the iPod Dock, pull iPod dock.

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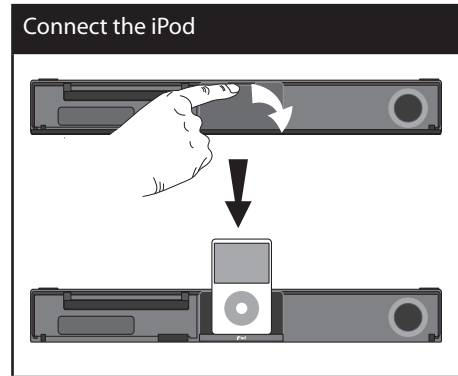
If you turn this unit on, your iPod is automatically turned on and recharging starts.
If your iPod is completely discharged, charge the battery first.

2. Press ⊕ **RADIO&INPUT** to select iPod IN mode.

Λ/V/</>	Selects an option in the menu.
▶ (PLAY), **MONO/ STEREO / ⊙ ENTER**	Starts playback of music or video.
❚❚	To pause while it is playing. To resume playing, press ▶ **(PLAY)**, **MONO/STEREO** again.
■ (STOP)	Stops.
◀◀ / ▶▶ SCAN	Fast-forward or rewind a song or video
I◀◀ /▶▶I SKIP	Skip the playback forward or backward .
↺ REPEAT	To select a desired repeat mode: Track (↺), All (↺), Off (No display).

Enjoying iPod on the screen

You can operate your iPod by controlling menu on the screen.

1. Connect the iPod firmly.
To open the iPod Dock, pull iPod dock.

2. Press [Music] or [Movie].
If you are connected to another device (CD or USB), select the iPod on the menu and press ⊙ ENTER.

3. Select a content using **Λ/V/</>**, and press ⊙ ENTER.
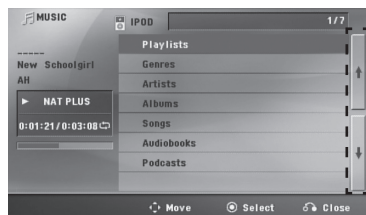
Moving to the previous or next file list.

4. Operate iPod.
Refer to basic operation section.

> ## ⚠ NOTE
>
> • If the iPod's OSD language is selected to simple chinese, the power scroll function is not operated correctly.
> • The controls on your iPod are not operational in this mode.

NOTE

• An error message "CHECK IPOD" or "Connected iPod model is not supported." appears when:
  - your iPod is not available for the function to be operated.

• An error message "CHECK IPOD" 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 IPOD" 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 recognizes 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 maytake longer to charge.

• You may use the dock adapter which should be supplied with your iPod to the dock for the stable use of the iPod. If you need an adapter, consult your iPod dealer.

• 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.

5
Maintenance

Notes on Discs

Handling Discs

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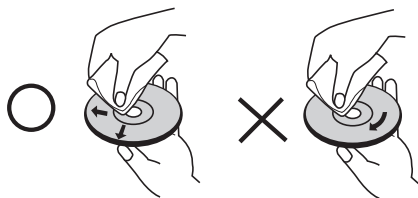
Do not use strong solvents such as alcohol, benzine, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

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.

6
Troubleshooting

PROBLEM	CAUSE	CORRECTION
No power	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
No picture	The TV is not set to receive the DVD signal.	Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen.
	The video cables are not connected securely.	Connect the video cables securely to both the TV and unit.
There is little or no sound	Equipment connected via 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 audio cables are not connected to the speakers or unit securely.	Connect the audio cables into the connection terminals correctly.
	The audio cables are damaged.	Replace with a new audio cable.
The DVD picture quality is poor	The disc is dirty.	Clean the disc using a soft cloth with outward strokes.
A DVD/CD will not play	No disc is inserted.	Insert a disc.
	An unplayable disc is inserted.	Insert a playable disc (check the disc type, colour system and regional code).
	The disc is inserted upside down.	Place the disc with the label or printed side facing upwards.
	There is a parental lock which prevents the playback of DVDs with a certain rating.	Enter your password or change the rating level.
Humming noise heard while a DVD or CD is playing	The disc is dirty.	Clean the disc using a soft cloth with outward strokes.
	The unit is located too close to the TV, causing feedback.	Move unit and audio components further away from your TV.
Radio stations can't be tuned in properly	The antenna is positioned or connected poorly.	Check the antenna connection and adjust its position.
		Attach an external aerial if necessary.
	The signal strength of the radio station is too weak.	Tune to the station manually.
	No stations have been preset or preset stations have been cleared (when tuning by scanning preset channels).	Preset some radio stations, see page 36 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 batteries with new ones.

7
Appendix

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

7

Area Codes

Choose a area code from this list.

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

Trademarks and Licenses

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

Digital Surround

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

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

DivX is a registered trademark of DivX, Inc., and is used under license.

Energy Saving (Extremely Low Power Consumption)

On the LG products, an innovative power consumption system in stand-by mode is built.

It consumes less than 0.09 watts in that mode. Therefore, the small amounts of electricity are consumed even though the power plug is inserted.

Made for iPod

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

Works with iPhone

iPhone is a trademark of Apple Inc.

"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.

"Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone 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

SIMPLINK
Easy LG TV Control

What is SIMPLINK?

Some functions of this unit are controlled by TV's remote control when this unit and LG TV with SIMPLINK are connected through HDMI connection. Controllable functions by LG TV's remote control; Play, Pause, Scan, Skip, Stop, Power Off, etc.
• Refer to the TV owner's manual for the details of SIMPLINK function.
• LG TV with SIMPLINK function has the logo as shown above.
• Use a higher version cable than 1.2 A HDMI cable.

Specifications

General

• Power requirements:
  Refer to main label

• Power consumption:
  Refer to main label

• Dimensions (W x H x D):
  430 x 62.5 x281 mm without foot

• Net Weight (Approx.):
  4.0 kg

• Operating temperature:
  41 °F to 95 °F (5 °C to 35 °C)

• Operating humidity:
  5 % to 90 %

• Bus Power supply (USB):
  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

• HDMI OUT (video/audio):
  19 pin (HDMI standard, Type A)
  HDMI version : 1.2A

• ANALOG AUDIO IN:
  2.0 Vrms (1 kHz, 0 dB), 600 Ω, RCA jack (L, R) x 1

• DIGITAL IN (OPTICAL 1):
  3 V (p-p), Optical jack x 1

• PORT. IN:
  0.5 Vrms (3.5 mm stereo jack)

Tuner

FM Tuning Range:
87.5 to 108.0 MHz or 87.50 to 108.00 MHz

Amplifier

- Stereo mode: 180 W + 180 W (4 Ω at 1 KHz)

- Surround mode:
  Front   180 W + 180 W (4 Ω at 1 KHz)
  Center   180 W (4 Ω at 1 KHz)
  Surround   180 W + 180 W (4 Ω at 1 KHz)
  Subwoofer   200 W (3 Ω at 60 Hz)

Wireless receiver

- Power requirements:
  Refer to main label.

- Power consumption:
  Refer to main label.

- External dimensions (WxHxD):
  64 x 213.6 x 252.3 mm
  (2.5 x 8.6 x 9.9 inches)

- Net Weight:
  1.2 kg (2.6 lbs)

- Reception Output:
  5.8 GHz

Speakers

- Front speaker
  Type: 2 Way 3 speaker
  Impedance: 4Ω
  Rated Input Power: 180 W
  Max. Input power: 360 W
  Net Dimensions
  (W x H x D):   270 x 1 050 x 225 mm
  Net Weight: 3.1 kg

- Rear speaker
  Type: 2 Way 2 speaker
  Impedance   4Ω
  Rated Input Power: 180 W
  Max. Input power: 350 W
  Net Dimensions
  (W x H x D):   270 x 1 050 x 225 mm
  Net Weight: 3.0 kg

- Center speaker
  Type: 2 Way 3 speaker
  Impedance: 4Ω
  Rated Input Power: 180 W
  Max. Input power: 360 W
  Net Dimensions
  (W x H x D):   320 x 102 x 85 mm
  Net Weight: 1.0 kg

- Passive Subwoofer
  Type: 1 Way 1 speaker
  Impedance: 3Ω
  Rated Input Power: 200 W
  Max. Input power: 400 W
  Net Dimensions
  (W x H x D):   190 x 385 x 318 mm
  Net Weight: 5.0 kg

Designs and specifications are subject to change
without prior notice.

LG
Life's Good