



ENGLISH

OWNER'S MANUAL

DVD Micro Hi-Fi System

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

DM2740DAB (DM2740DAB, CMS2730F)



www.lg.com

Safety Information

1

Getting Started



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.



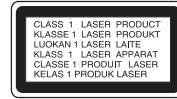
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

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.

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.

Notes on Copyrights

- 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 Rovi, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi. Reverse engineering or disassembly is prohibited.
- Under the U.S. Copyright laws and Copyright laws of other countries, unauthorized recording, use, display, distribution, or revision of television programs, video tapes, BD-ROM discs, DVDs, CDs and other materials may subject you to civil and/or criminal liability.

- 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.

RF Radiation Exposure Statement

This equipment should be installed and operated with minimum distance of 20 cm from your body.

Table of Contents

1 Getting Started

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

2 Connecting

- 13 Attaching the speakers to the unit
- 13 Connections to Your TV
 - 14 – HDMI Out Connection
 - 15 – Video Connection
 - 15 – Resolution Setting
- 16 Optional Equipment Connection
 - 16 – AUDIO (PORT. IN) In Connection
 - 16 – Listening to music from your portable player or external device
 - 16 – OPTICAL In connection
 - 16 – Speaker ez setup
- 17 Antenna Connection
 - 18 – USB Connection

3 System Setting

- 19 Adjust the setup settings
 - 19 – OSD Initial language settings - Optional
 - 19 – To display and exit the Setup menu
- 20 – Language
- 20 – Display
- 21 – Audio
 - 21 – Lock (Parental Control)
 - 22 – Others

4 Operating

- 23 Using the Home Menu
- 23 Basic Operations
- 24 Other Operations
 - 24 - Displaying Disc Information on-screen
 - 24 - To display the DVD Menu
 - 24 - To display the DVD title
 - 24 - 1.5 times speed playback
- 25 - Starting play from selected time
- 25 - Resume playback
- 25 - Changing subtitle code page
- 25 - Last Scene Memory
- 25 - Screen Saver
- 25 - Power Resume - Optional
- 26 - Marked Playback
- 26 - Viewing a PHOTO file
- 27 - System Select - Optional
- 28 Setting the Clock
 - 28 - Using your player as an alarm clock
 - 28 - Sleep Timer Setting
- 29 - Dimmer
- 29 - Turn off the sound temporarily
- 29 - DEMO
- 29 - Auto Power Down
- 30 Radio Operations
 - 30 - Listening to the radio
 - 30 - Presetting the Radio Stations
 - 30 - Deleting all the saved stations
 - 30 - Deleting a saved station
 - 30 - Improving poor FM reception
 - 30 - Listening to the DAB
 - 30 - Aligning the service names
- 31 - DAB scan
- 31 - Deleting all of the saved DAB scan stations
- 31 Sound adjustment
 - 31 - Setting the surround mode
 - 31 - Adjust the speaker level settings
- 32 Advanced Operations
 - 32 - Recording to USB
- 33 Using a Bluetooth® wireless technology
 - 33 - Listening to music of a Bluetooth device

5 Troubleshooting

- 36 Troubleshooting

6 Appendix

- 37 Area Code List
- 38 Language code List
- 39 Trademarks and Licenses
- 40 Specifications
- 42 Maintenance
 - 42 - Handling the Unit
 - 42 - Notes on Discs

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 from CD to your USB device.

Full HD up-scaling

Views Full HD picture quality with simple setup.

Bluetooth

Listens to music stored on your Bluetooth device.

NFC Tag

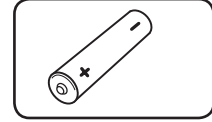
You can easily connect to Bluetooth devices through NFC Tag.

Accessories

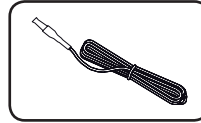
Please check and identify the supplied accessories.



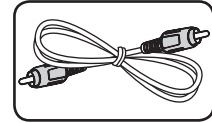
Remote control (1)



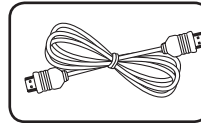
Battery (1)



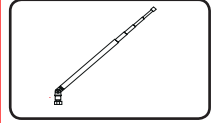
FM antenna (1)



Video cable (1)



HDMI cable (1)



DAB 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 specific media.

Symbols Used in this Manual



DVD-Video, DVD±R/RW in Video mode or VR mode and finalized



Audio CDs



Video files contained in the USB/Disc



Audio files contained in the USB/Disc



Photo files



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 labeled 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.

1 Playable file Requirement

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.
- 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)

DTS is not supported. (In the case of playing DTS audio format, there will be no audio output.)

Photo file requirement

Photo file compatibility with this unit is limited as follows :

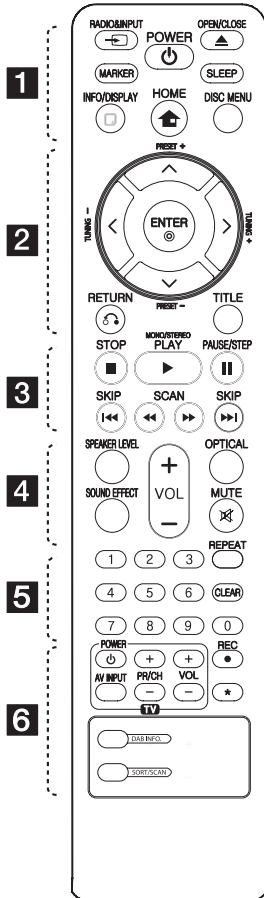
- Max pixel in width : 2 760 x 2 048 pixel
- Maximum files : Under 999
- Some discs may not operate due to a different recording format or the condition of disc.
- File extensions: ".jpg"
- CD-ROM file format : ISO9660/ JOLIET

DivX file requirement

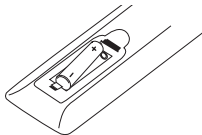
DivX file compatibility with this unit is limited as follows:

- Available resolution: up to 720 x 576 (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 : "DIVX3.11", "DIVX4", "DIVX5", "DIVX6".
- Playable Audio format : "AC3", "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 display.
- If you play a DivX file differ from DivXspec, 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.

MARKER: Marks play list.

POWER: Switches the unit ON or OFF.

OPEN/CLOSE: Ejects or insert the disc from slot loader.

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 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.

3

SKIP: Goes to the next or previous chapter / track / file.

SCAN: Searches backward or forward.

STOP: Stops playback.

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.

5

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

CLEAR: Removes a number when setting the password.

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

6

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 (+/-) button repeatedly until the TV turns on or off.

REC: USB Direct Recording.

*****: This button is not available.

DAB INFO:

- DAB radio type.
- Changes the display information of DAB channel.

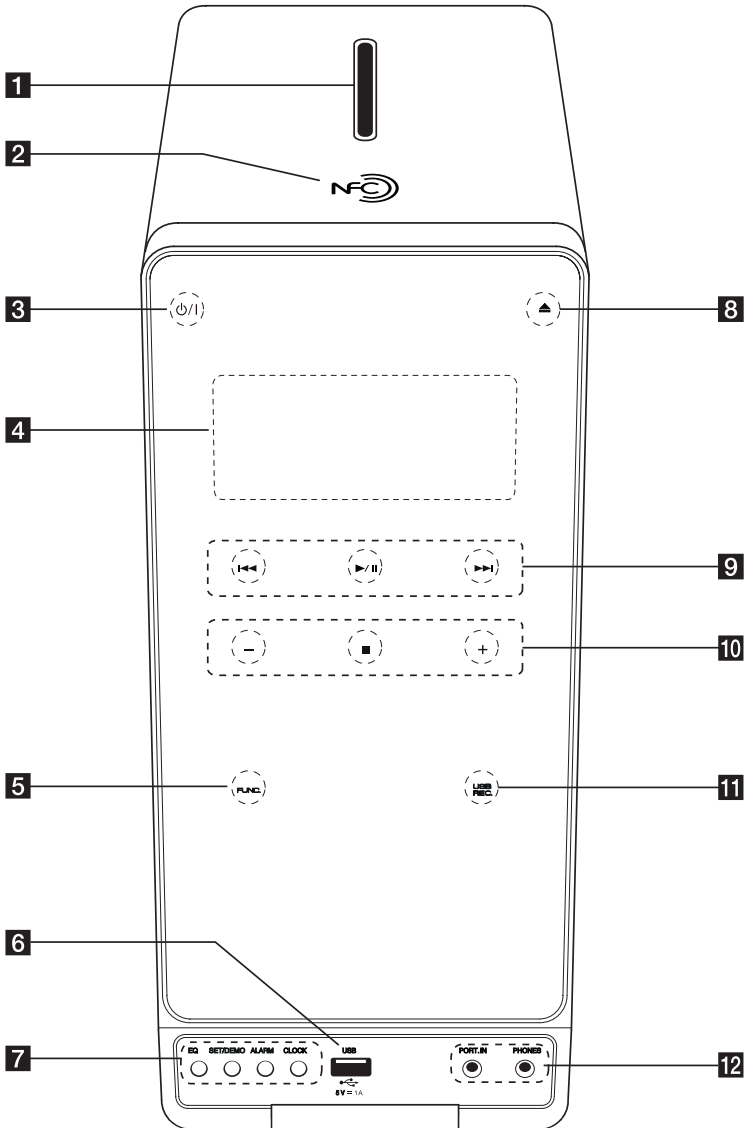
SORT/SCAN:








- Searches radio stations by radio type.
- Aligning the service names DAB band scanning.

Front panel

1

Getting Started



- 1** **Disc Slot**
Insert a disc in the disc slot with the label side left.
- 2**  **NFC**
You can easily connect to Bluetooth devices through NFC Tag.
- 3**  **(POWER)**
Switches the unit ON or OFF.
- 4** **Display window**
Shows the current status of the unit.
- 5** **FUNC. (FUNCTION)**
Changes the input source or function.
- 6** **USB Port**
Connects an USB device.
- 7** **EQ**
Chooses sound impressions.
SET/DEMO
Confirms the setting. Show DEMO.
ALARM
With the ALARM function you can turn DVD/CD, USB play and TUNER reception on at a desired time.
CLOCK
For setting the clock and checking the time.
- 8**  **(OPEN/CLOSE)**
Ejects or insert the disc from slot loader.
- 9**  **(Skip/Search):**
Goes to next or previous file/track.
Searches backward or forward (Press and hold)
Tunes in the desired radio station.
 **(PLAY / PAUSE)**
Starts playback.
Pauses playback temporarily, press again to exit pause mode.
Selects stereo/mono in FM mode.
- 10**  **(VOLUME)**
Adjusts speaker volume.
 **(STOP)**
Stops playback.
- 11** **USB REC.**
Recoding to USB.
- 12** **PORT. IN**
Connects to a portable player with audio outputs.
PHONES
Headphone jack

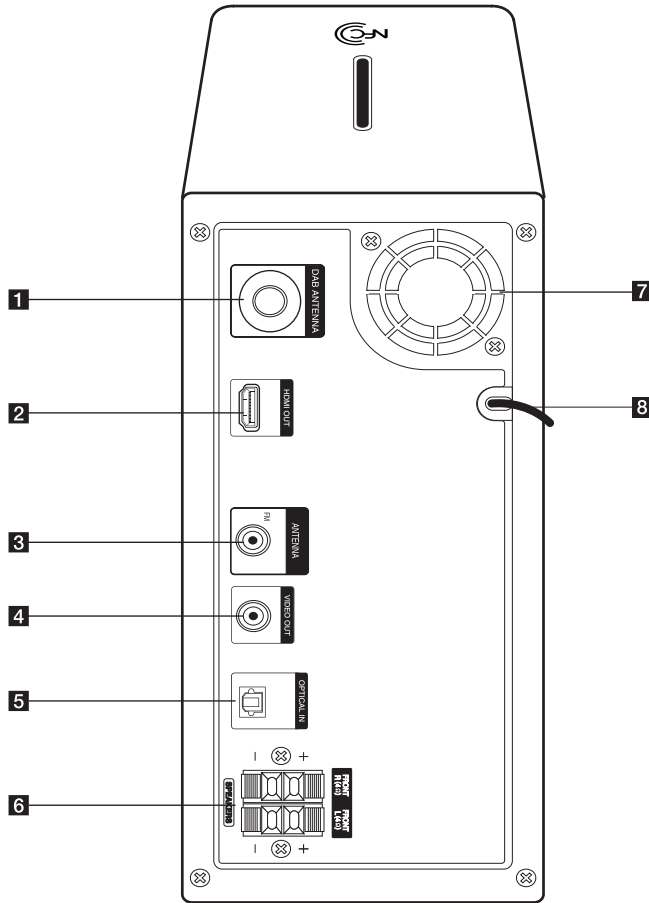
 **Caution**

Precautions in using the touch buttons

- Use the touch buttons with clean and dry hands.
- In a humid environment, wipe out any moisture on the touch buttons before using.
- Do not press the touch buttons hard to make it work.
- If you apply too much strength, it can damage the sensor of the touch buttons.
- Touch the button that you want to work in order to operate the function correctly.
- Be careful not to have any conductive material such as metallic object on the touch buttons. It can cause malfunctions.

Rear panel

1
Getting Started



1 DAB ANTENNA

Connects the DAB antenna.

2 HDMI OUT

Connects to TV with HDMI inputs.
(Interface for digital audio and video)

3 ANTENNA (FM)

Connects the FM wired antenna

4 VIDEO OUT

Connects to a TV with video inputs.

5 OPTICAL IN

Connects to optical audio equipment.

6 SPEAKERS terminal

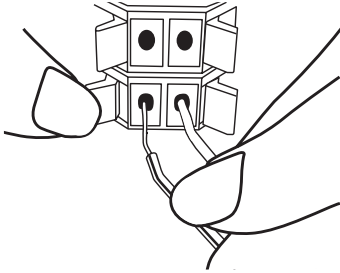
7 Cooling Fan

8 Power cord

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).



! Caution

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 player. 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.

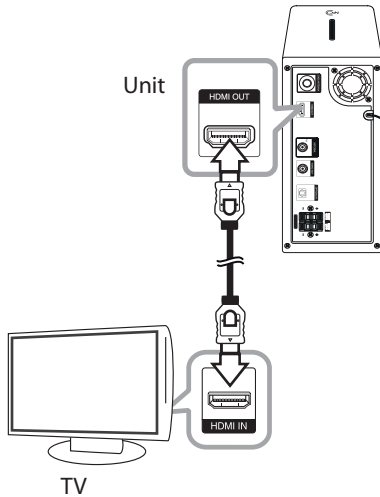
! Caution

- Make sure the unit is connected directly to the TV. Tune the TV to the correct video input channel
- Do not connect your player via your VCR. The image could be distorted by the copy protection system.

HDMI Out Connection

If you have a HDMI TV or monitor, you can connect it to this unit using a HDMI cable (Type A, High Speed 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).



! 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" on page 15.)

! 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 output.
- When you connect a HDMI or DVI compatible device make sure of the following:
 - Try switching off the HDMI/DVI device and this unit. Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this unit.
 - The connected device's video input is set correctly for this unit.
 - The connected device is compatible with 720 x 480i (or 576i), 720 x 480p (or 576p), 1280 x 720p, 1920 x 1080i or 1920 x 1080p 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 is changed to black or green screen or the snow noise may occur on the screen.
- If there is noise or lines on the screen, please check the HDMI cable and use a higher version cable than High Speed HDMI™ cable.

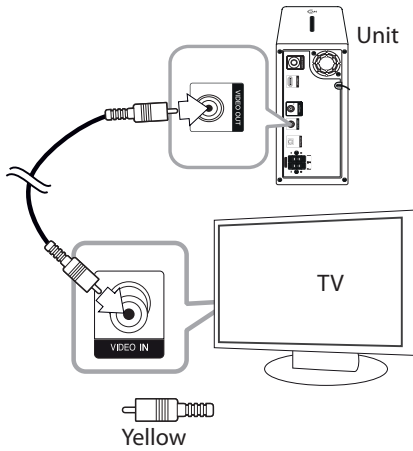
! Caution

- 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 is changed to black or green screen or the snow noise may occur on the screen. In this case, check 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.



Resolution Setting

The unit provides several output resolutions for HDMI OUT TO TV.

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 differ according to connection type.

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

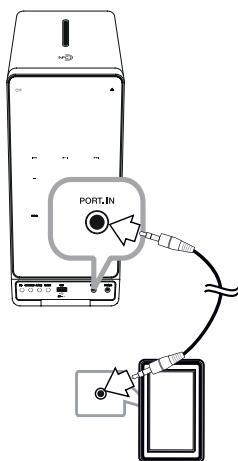
[VIDEO OUT]: 480i (or 576i).

Optional Equipment Connection

2
Connecting

AUDIO (PORT. IN) In Connection

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



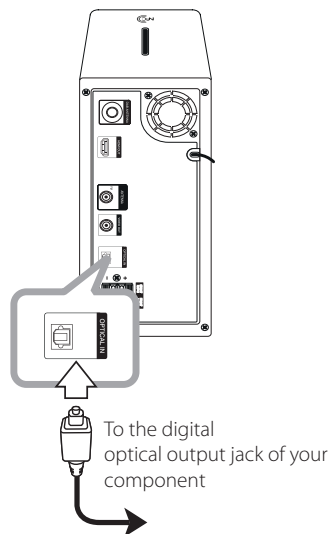
Listening to music from your portable player or external device

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

OPTICAL In connection

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



Speaker ez setup

Listen to sound from TV, DVD and Digital Device with 2 ch mode. Even in power off mode, if you press **OPTICAL**, then power is on and automatically changed to AUX OPT mode.

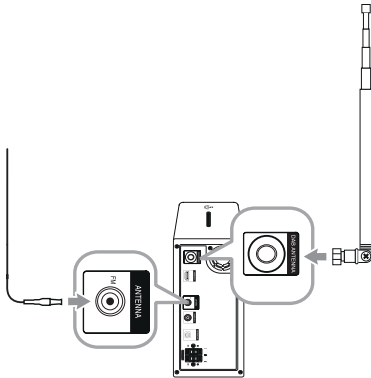
1. Connect the unit's OPTICAL IN jack to jack on optical out of your TV (or Digital Device etc).
2. Select the AUX OPT by using the **OPTICAL**. To select the AUX OPT directly.
3. Listen sound with 2 ch speaker.
4. To escape from AUX OPT by using the **OPTICAL**. Function is returned to previous one.

Antenna Connection

Connect the supplied FM and DAB antenna for listening to the radio.

Connect the FM wire antenna to the FM antenna connector.

Connect the DAB antenna to the DAB antenna connector.

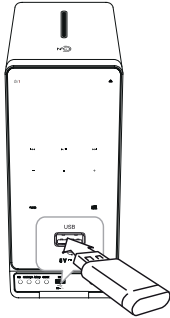


! Note

- Be sure to fully extend the FM wire antenna.
- When the broadcasting signal is weak : Check the condition of broadcasting reception. (check the QUALITY)
- When moving the unit to other areas. : It could delete all of the saved DAB scan station.

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 **■** on the unit or **■ STOP** on the remote control 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 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.

Adjust the setup settings

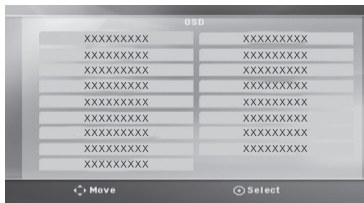
By using the Setup menu, you can make various adjustments to items such as picture and sound.

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 19 to 22.

OSD Initial language settings - Optional

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 **^ V <>** 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 | ^ V | Moving to another menu. |
| ◀ Move | < | Moving to previous level. |
| ▶ Move | > | Moving to next level or selecting menu. |
| ↶ Close | ↶ RETURN | To exit the [Setup] menu. |
| ◎ 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 38. 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 HDMI video signal. Refer to "Resolution Setting" for details about the resolution (page 15).

[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 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

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 300ms.

Lock (Parental Control)

Initial Setting 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 37.

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) VOD

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 has passed rigorous testing to verify that it 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 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 file contained in the USB storage device or disc automatically.

| To | Do this |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stop | Press STOP |
| Playback | Press PLAY, MONO/STEREO |
| Pause | 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 SKIP to go to the next chapter/ track/ file or to return to the beginning of the current chapter/ track/ file. Press 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 (REVERSE or FAST FORWARD) 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 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 **▲▼** 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.

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.

Starting play from selected time

DVD MOVIE

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 MOVIE MUSIC ACD

The unit records the point where you pressed the **STOP** depending on the disc.

If “**II**” (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).

Changing subtitle code page

MOVIE

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.

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.

Screen Saver

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

Power Resume - Optional

DVD

Even if the power suddenly goes out, turn on the unit and then it plays a position where the contents is being played. System will periodically save current playback status.

Marked Playback

MUSIC ACD

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 \odot **ENTER** or \blacktriangleright **PLAY, MONO/STEREO**. Displays the play mode.
4. Select the play mode by using the \wedge \vee and press \odot **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 \odot **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 $\langle \rangle$ to select [Deselect All] then press \odot **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.

Viewing a PHOTO file

PHOTO

This unit can play discs with photo files.

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

Moving to the previous or next file list.



Returning to the upper folder.

2. Press \wedge \vee to select a folder, and then press \odot **ENTER**.
3. If you want to view a slide show, press \wedge \vee to highlight a file and press \blacktriangleright **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]. |

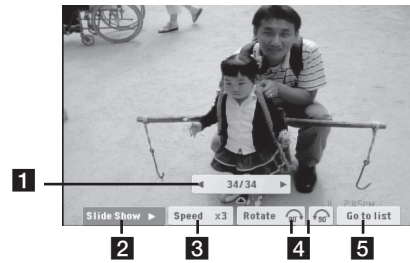
About help menu in the full screen

| 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 **▲ ▼ <>**.



- 1 Current photo/ Total number of photos** – Use **<>** to view previous/next photo.
- 2 Slide Show ▶/||** – 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.

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].

! Note

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

Setting the Clock

1. Turn the unit on.
2. Press and hold **CLOCK**.
3. Select time mode by pressing **◀◀/▶▶**.
- AM 12:00 (for an AM and PM display) or 0:00 (for a 24 hour display)
4. Press **SET/DEMO** to confirm your selection.
5. Select the hours by pressing **◀◀/▶▶**.
6. Press **SET/DEMO**.
7. Select the minutes by pressing **◀◀/▶▶**.
8. Press **SET/DEMO**.

! 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 **ALARM** even when the unit is turned off.
- Press **ALARM**, you can select a **ALARM** on / off mode.

Using your player as an alarm clock

1. Turn the unit on.
2. Press and hold **ALARM**.
3. Press **◀◀/▶▶** to change the hours and minutes and press **SET/DEMO** to save.
4. Press **◀◀/▶▶** to select function and press **SET/DEMO**.
5. Press **◀◀/▶▶** to change the volume and press **SET/DEMO** to save. The clock icon "🕒" shows that the alarm is set.

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. If touch the buttons in Sleep Timer mode, the buttons will be lightening for 5 seconds and darkening again.

Turn off the sound temporarily

Press **MUTE** to mute your unit.

You can mute your unit, for example, to answer the telephone, the "MUTE" is displayed in the display window.

DEMO

In the power off state, it demonstrates the function on display window by pressing **DEMO**. To cancel the DEMO, press it again.

Note

- While DEMO, this unit will keep DEMO status even if you unplug the power cord connection.
- You can enjoy other functions during the DEMO. Then the DEMO will pause to temporary.
 - Without input key in 10 sec, the DEMO will play back automatically.

Auto Power Down

This unit will power off itself to save electric consumption in the case main unit is not connected to external device and is not used for 20 minutes.

This unit will power off after six hours when connected to a device using an analog input.

Radio Operations

Be sure that FM and DAB aerial is connected. (Refer to the page 17.)

Listening to the radio

1. Press **RADIO&INPUT** until FM or DAB appears in the display window. The last received station is tuned in.
2. **[FM]**
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.

[DAB]

Press **TUNING (-/+)** and press **▶ PLAY**.

3. Adjust the volume by rotating **-/+** on the front panel or by pressing **VOL (+/-)** on the remote control repeatedly. In DAB function, press **▶ PLAY, MONO/STEREO** to start.

Presetting the Radio Stations

You can preset 50 stations for FM or DAB.

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

1. Press **RADIO&INPUT** until FM or DAB appears in the display window.
2. **[FM]**
Select the desired frequency by using **TUNING (-/+)**.
[DAB]
Press **TUNING (-/+)** and press **▶ PLAY**.
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 selected 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.

Listening to the DAB

You can change the display information of the currently broadcasting DABchannel. Press **DAB INFO.** on the remote control repeatedly, the display changes in the following order, SERVICE -> PTY NAME -> **FREQ** -> **DLS** -> **QUALITY** -> **ENSEMBLE**

| | |
|-----------------|-----------------------------------------------------------------------|
| SERVICE | Displays the Name of the channel for the current broadcast. |
| PTY NAME | Displays the Type of the channel for the current broadcast. |
| FREQ | Displays the frequency of the channel for the current broadcast. |
| DLS | It displays the current Scroll of the channel which is selected. |
| QUALITY | It displays the current strength of the broadcast signal in Bar form. |
| ENSEMBLE | Displays the Ensemble of the channel for the current broadcast. |

Aligning the service names

Press **SORT/SCAN** on the remote control to display the sorting mode of DAB broadcastings. Then, press the button once again to change the mode.

Default sort: The service names are aligned in a scanning order.

Name sort: The service names are aligned in an alphabetical order.

DAB scan

Press **SORT/SCAN** on the remote control for longer than 3 seconds, all of the DAB bands are scanned. Then press it again, scanning will be cancelled.

Deleting all of the saved DAB scan stations

Press and hold **DAB INFO** on the remote control for 3 seconds. "DAB INIT" will be displayed. Press **DAB INFO** to erase all the saved stations.

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 may be different depending on sound sources and effects.

| On Display | Description |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| NATURAL | You can enjoy comfortable and natural sound. |
| Local Specialization equalizer (Optional) | Regionally optimized sound effect. (DANGDUT/ ARABIC/ PERSIAN/ INDIA/ REGUETON/ MERENGUE/ SALSA/ SAMBA/ 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 pop, classic, jazz, rock or concert. |

| On Display | Description |
|------------|------------------------------------------------------------------------------------------|
| MP3 -- OPT | This function is optimized for compressible MP3, WMA 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. |
| 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

Recording to USB

You can record music or sound source 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.

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, 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.
- Recording through microphones is not available.
- 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 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 the state CD-G, DTS disc USB record is not 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.

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**

Using a Bluetooth® wireless technology

About Bluetooth

Bluetooth is wireless communication technology for short range connection.

The sound may be interrupted when the connection interfered by the other electronic wave or you connect the bluetooth in the other rooms. Connecting individual devices under **Bluetooth**® wireless technology does not incur any charges. A mobile phone with **Bluetooth**® wireless technology can be operated via the Cascade if the connection was made via **Bluetooth**® wireless technology.

Available Devices : Mobile phone, MP3, Laptop, PDA.


Bluetooth Profiles

In order to use **Bluetooth**® wireless technology, devices must be able to interpret certain profiles. This unit is compatible with following profile.

A2DP (Advanced Audio Distribution Profile)

Listening to music of a Bluetooth device

Before you start the pairing procedure, make sure the Bluetooth feature is turned on in to your Bluetooth device. Refer to your Bluetooth device's user guide. Once a pairing operation is performed, it does not need to be performed again.

1. Select the Bluetooth function by using the  **RADIO&INPUT**.

"BT READY" appears in the display window.

2. Operate the Bluetooth device and perform the pairing operation. When searching for this unit with the Bluetooth device, a list of the devices found may appear in the Bluetooth device display depending on the type of Bluetooth device. Your unit appears as "LG MICRO(XX:XX)".

Note

XX:XX means the last four digits of BT address. For example, if your unit has a BT address such as 9C:02:98:4A:F7:08, you will see "LG MICRO (F7:08)" on your Bluetooth device.

3. Enter the PIN code.
PIN code : 0000
4. When this unit successfully paired with your Bluetooth device, Bluetooth LED of this unit lights up and appears "BT PAIRED".

Note

Depending on the Bluetooth device type, some device have a different pairing way.

5. Listening to music.
To play a music stored on your Bluetooth device, refer to your Bluetooth device's user guide.

Note

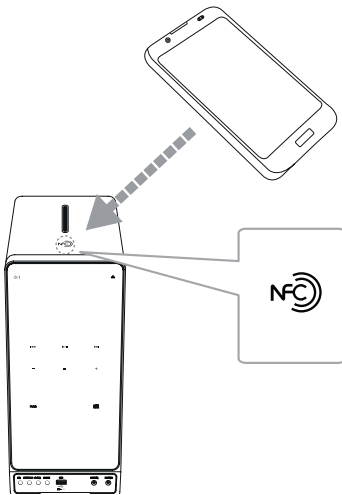
- When using Bluetooth® technology, you have to make a connection between the unit and the bluetooth device as close as possible. However it may not work well in the case below :
 - There is an obstacle between the unit and the bluetooth device.
 - There is a device using same frequency with **Bluetooth**® technology such as a medical equipment, a microwave or a wireless LAN device.
- You should connect your Bluetooth device to this unit again when you restart it.
- The sound may be interrupted when same frequency devices is used by other electronic equipment.
- You cannot control the Bluetooth device with this unit.
- Pairing is limited one Bluetooth device per one unit and multi-pairing is not supported.
- Depending on the type of the device, you may not be able to use the Bluetooth function.
- You can enjoy wireless system using phone, MP3, Notebook, etc..
- When not connected the Bluetooth, "BLUETOOTH" and "BT READY" appears on the control panel.
- When someone stands and interrupts communication between Bluetooth device and the player, the connection will be disconnected.
- The more distant between the unit and the bluetooth device, the lower the sound quality becomes.
- When Bluetooth connection is disconnected, connect the bluetooth device to the unit again.
- Bluetooth function will be converted, when connected via Bluetooth or NFC. (REC action is excluded.)

Pairing your unit and Bluetooth device through NFC Tag

About NFC Tag

Connect to the Bluetooth by using the Bluetooth devices that support NFC.

1. Activates the NFC feature of your NFC-enabled phone.
2. Turn on the unit.
3. Tag the back of your NFC-enabled phone over the unit.



4. Enter the PIN code.
PIN code : 0000
5. Displayed on the unit if Bluetooth pairing is successful.
6. You can listen to music played on this unit using your Bluetooth device.

! Note

- Please use a device which the NFC feature is available.
- NFC Recognition area may be different depending on the type of Bluetooth device. Please check the position of NFC recognition area of the Bluetooth device before tagging.
- If the screen of the Bluetooth device is locked, the device may not recognize the NFC Tag.
- In some cases, the device may not recognize the NFC.
 - When the case of the Bluetooth devices is chrome-plated material.
 - Accordance to the material and thickness of the case of Bluetooth devices.
 - According to the performance of the NFC of the Bluetooth devices.
- Only available on Android devices with Jelly Bean (4.1.2 Version) or higher.
- You can disconnect the device by tagging again while connected to Bluetooth. Do not place the Bluetooth device on NFC Tag Location after connecting to a Bluetooth device.
- Depending on the Bluetooth device type, some device have a different pairing way.

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). |
| | 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 page 30 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 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. |

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 | Language | Code |
| Basque | 6985 | Hebrew | 7387 | Nepali | 7869 | Tajik | 8471 |
| Bengali; Bangla | 6678 | Hindi | 7273 | Norwegian | 7879 | Tamil | 8465 |
| Bhutani | 6890 | Hungarian | 7285 | Oriya | 7982 | Telugu | 8469 |
| Bihari | 6672 | Icelandic | 7383 | Panjabi | 8065 | Thai | 8472 |
| Breton | 6682 | Indonesian | 7378 | Pashto, Pushto | 8083 | Tonga | 8479 |
| Bulgarian | 6671 | Interlingua | 7365 | Persian | 7065 | Turkish | 8482 |
| Burmese | 7789 | Irish | 7165 | Polish | 8076 | Turkmen | 8475 |
| Byelorussian | 6669 | Italian | 7384 | Portuguese | 8084 | Twi | 8487 |
| Chinese | 9072 | Japanese | 7465 | Quechua | 8185 | Ukrainian | 8575 |
| Croatian | 7282 | Kannada | 7578 | Rhaeto-Romance | 8277 | Urdu | 8582 |
| Czech | 6783 | Kashmiri | 7583 | Rumanian | 8279 | Uzbek | 8590 |
| Danish | 6865 | Kazakh | 7575 | Russian | 8285 | Vietnamese | 8673 |
| Dutch | 7876 | Kirghiz | 7589 | Samoan | 8377 | Volapük | 8679 |
| English | 6978 | Korean | 7579 | Sanskrit | 8365 | Welsh | 6789 |
| Esperanto | 6979 | Kurdish | 7585 | Scots Gaelic | 7168 | Wolof | 8779 |
| Estonian | 6984 | Laothian | 7679 | Serbian | 8382 | Xhosa | 8872 |
| Faroese | 7079 | Latin | 7665 | Serbo-Croatian | 8372 | Yiddish | 7473 |
| Fiji | 7074 | Latvian, Lettish | 7686 | Shona | 8378 | Yoruba | 8979 |
| Finnish | 7073 | Lingala | 7678 | | | Zulu | 9085 |

Trademarks and Licenses



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries



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



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



DivX Certified® to play DivX® video, including premium content.

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

Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274



Bluetooth® wireless technology is a system which allows radio contact between electronic devices.

Connecting individual devices under *Bluetooth*® wireless technology does not incur any charges.

A mobile phone with *Bluetooth*® wireless technology can be operated via the Cascade if the connection was made via *Bluetooth*® wireless technology.


The *Bluetooth*® word mark and logos are owned by the *Bluetooth*® SIG, Inc. and any use of such marks by LG Electronics is under license.

Other trademarks and trade names are those of their respective owners.

Specifications

| General | |
|------------------------|--------------------------------|
| Power requirements | Refer to the main label. |
| Power consumption | Refer to the main label. |
| Dimensions (W x H x D) | (135 x 295 x 315) mm |
| Net Weight (Approx.) | 3.7 kg |
| Operating temperature | 41 °F to 95 °F (5 °C to 35 °C) |
| Operating humidity | 5 % to 90 % |

| Inputs/Outputs | |
|-------------------------|------------------------------------------------|
| VIDEO OUT | 1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1 |
| HDMI OUT (video/audio): | 19 pin Type A, HDMI™ Connector |
| DIGITAL IN (OPTICAL): | 3 V (p-p), Optical jack x 1 |
| PORT. IN | 0.6 Vrms (3.5 mm stereo jack) |

| System | |
|-----------------------|---------------------------------------------------------------------------------------------|
| Laser | Semiconductor laser, wavelength: 650 nm |
| Signal system | Standard NTSC/PAL color TV system |
| Frequency response | 20 Hz to 20 kHz (48 kHz, 96 kHz, 192 kHz sampling) |
| Signal-to-noise ratio | More than 80 dB |
| Harmonic distortion | 0.05 % at 1 W |
| Dynamic range | More than 85 dB |
| Bus Power Supply | 5 V  1 A |

| Amplifier | |
|-------------|---------------------------|
| Stereo mode | 80 W + 80 W (4Ω at 1 kHz) |

| Tuner | |
|-----------------|------------------------------------------|
| FM Tuning Range | 87.5 to 108.0 MHz or 87.50 to 108.00 MHz |

| Front Speaker | |
|------------------------|----------------------|
| Type | 3 Way 4 speaker |
| Impedance | 4 Ω |
| Rated Input Power | 80 W |
| Max. Input Power | 160 W |
| Dimensions (W x H x D) | (126 X 295 X 315) mm |
| Net Weight | 3.5 kg |

- Design and specifications are subject to change without notice.

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.



