LG
Life's Good

ENGLISH

OWNER'S MANUAL
Micro Hi-Fi System

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

FOR THE GUARANTEE TERMS & CONDITIONS, PLEASE REFER TO INNER PAGE OF BACK COVER.

CM3430BDAB
CM3430WDAB
CM3430GDAB



Safety Information



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.

Disposal of your old appliance



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

Disposal of waste batteries/accumulators



1. When this crossed-out wheeled bin symbol is attached to batteries/ accumulators of Your product it means they are covered by European Directive 2006/66/EC.
2. This symbol may be combined with chemical symbols for mercury(Hg), cadmium(Cd) or lead(Pb) if the battery Contains more that 0.0005% of mercury,0.002% of cadmium or 0.004% of lead.
3. All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
4. The correct disposal of Your old batteries/accumulators will help to prevent potential negative consequences for the environment, animal and human health.
5. For more detailed information about disposal of Your old batteries/ accumulators, please contact Your city office, waste disposal service or the shop where You purchased the product.

CE 0984

LG Electronics hereby declares that this/these product(s) is/are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2004/108/EC, 2006/95/EC, 2009/125/EC and 2011/65/EU.

Please contact to the following address for obtaining a copy of the DoC (Declaration of Conformity).

Contact office for compliance of this product:

LG Electronics Inc.
EU Representative, Krijgsman 1,
1186 DM Amstelveen, The Netherlands

- Please note that this is NOT a Customer Service contact point. For Customer Service Information, see Warranty Card or contact the dealer that you purchased this product.

In door use only.

RF Radiation Exposure Statement

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

LG Bluetooth Remote

You can control this player with your iPhone or Android phone via Bluetooth. This player and your phone must be connected to Bluetooth. Visit " Apple App Store" or "Google Android Market (Google Play Store)". And use this QR code to search for "LG Bluetooth Remote" app. For detailed information, refer to the 26 page.

POWER: This unit operates on a mains supply of 100-240V, 50/60Hz.

WIRING: This unit is supplied with a BSI 1363 approved 13 amp mains plug, fused at 5 amp. When replacing the fuse always use a 5 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your dealer. If the type of plug supplied is not suitable for the mains sockets in your home, then the plug should be removed and a suitable type fitted. Please refer to the wiring instructions below:

WIRING: A mains plug removed from the mains lead of this unit must be destroyed. A mains plug with bared wires is hazardous if inserted in a mains socket. Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol ⏚ or coloured green or green and yellow. If any other plug is fitted, use a 5 amp fuse, either in the plug, or at the distribution board.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following codes:

- BLUE: NEUTRAL, BROWN: LIVE - As the colours of the wires in the mains lead of this unit may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

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Unique Features

USB Direct Recording

Records music to your USB device.

Portable In

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

Timer

Sets alarm which go off at desired time.

Time Sync

Sets your unit's clock automatically by using your Bluetooth device. (LG Bluetooth Remote app)

Bluetooth®

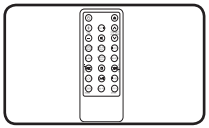
Listens to music stored on your Bluetooth device.

AirPlay®

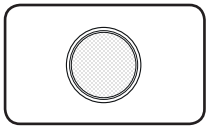
Listens to music stored on your Apple device.

Accessories

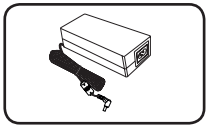
Please check and identify the supplied accessories.



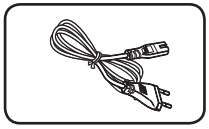
Remote Control (1)



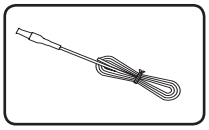
Battery (1)



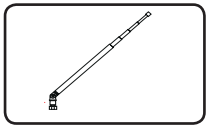
AC adapter(1)



Power cord(1)



FM Antenna (1)



DAB antenna (1)

Playable file Requirement

MP3/ WMA/FLAC music file requirement

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

- Sampling frequency :
  MP3 : within 8 to 48 kHz
  WMA : within 8 to 48 kHz
  FLAC : within 8 to 96 kHz(USB),
  within 8 to 48 kHz(CD)
- Bit rate : within 8 to 320 kbps (MP3),
  40 to 192 kbps (WMA)
- Maximum files : Under 999
- File extensions : ".mp3"/ ".wma"/".flac"
- CD-ROM file format : ISO9660/ JOLIET
- Support channel(FLAC) : Up to 2 channel
- Support output bit/sample (FLAC) : 16bit
- bps(FLAC) : Up to 2.5Mbps
- 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)

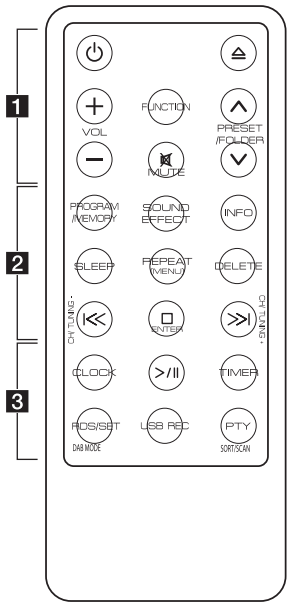
Compatible USB Devices

- 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 all USB devices.

USB device requirement

- Devices which require additional program installation when you have connected it 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 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, mobile phone are not supported.
- USB port of the unit cannot be connected to PC. The unit cannot be used as a storage device.
- Some USB may not work with this unit.
- In power on state, you can charge your iPod/ iPhone/iPad/Android device via USB port. (This is available when you selects USB function.)

Remote Control



• • • • • • • • • • **1** • • • • • • • • • •

(Power) : Switches the unit ON or OFF.

(Insert/Eject) : Inserts or ejects a disc from a slot loader.

VOL +/- : Adjusts speaker volume.

FUNCTION : Selects the function and input source.

PRESET/FOLDER ∧/∨ :

- Searches for a folder of MP3/WMA/FLAC files. When a CD/USB containing MP3/WMA/FLAC files in several folders is being played, press **PRESET/FOLDER ∧/∨** to select the folder you want to play.
- Chooses a preset number for a radio station.

MUTE : Mutes the sound.

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

PROGRAM/MEMORY :
- Stores radio stations.
- Creates a playlist you want to listen to.

SOUND EFFECT : Chooses sound impressions.

INFO : Sees information about your music.

SLEEP : Sets the system to turn off automatically at a specified time.

REPEAT(MENU) :
- Listens to your tracks/files repeatedly or randomly.
- Move to the previous menu when you select USB function to play iPod/iPhone/iPad.

DELETE : Deletes MP3/WMA/FLAC files. (USB only)

I≪ / ≫I (Skip/Search) :
- Skips Fast backward or Forward.
- Searches for a section within a track/file.

CH/TUNING-/+ :
- Selects a DAB display mode.
- Selects the radio stations.

ENTER :
- Stops playback or recording.
- Cancels DELETE function.
- Confirms the clock and the alarm setting.

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

CLOCK : Sets a clock and checks a time.

>II (Play/Pause) :
- Starts or pauses playback.
- Selects Stereo/Mono.

TIMER : Uses your player as an alarm clock.

RDS/SET :
- RDS(Radio Data System)
- Confirms the clock and the alarm setting.

(Refer to the 21 page)

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

USB REC : Starts recording

PTY : Searches radio stations by radio type.

SORT/SCAN :
- Searches radio stations by radio type.
- Aligns the service names DAB band scanning.

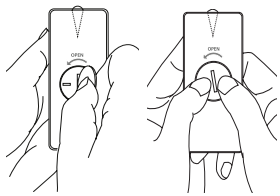
Battery Installation

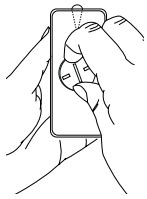
You have two ways to open the battery compartment.

1. Turn the battery compartment counterclockwise by using a coin or your finger. Then take a battery compartment out.

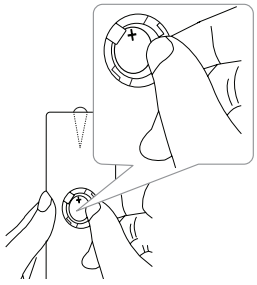
Caution

If you have long nails, do not open the battery compartment by using your finger. Or else, your nail would be broken.

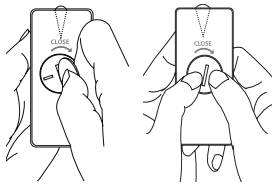




2. Insert and fix the battery with the minus(-) facing in the same direction as the minus(-).



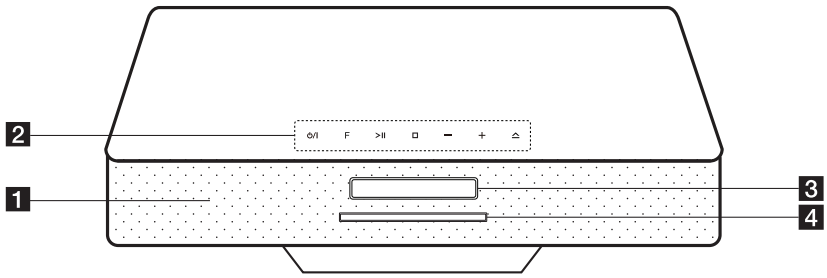
3. Put the battery compartment on the remote control and turn it clockwise to close.



Caution

The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not recharge, disassemble, incinerate, or heat above 100 °C (212 °F). Replace the battery part no. CR2025 only. Use of another battery may present a risk of fire or explosion. Dispose of used battery. Keep battery away from children. Do not disassemble or dispose of in fire.

Front Panel



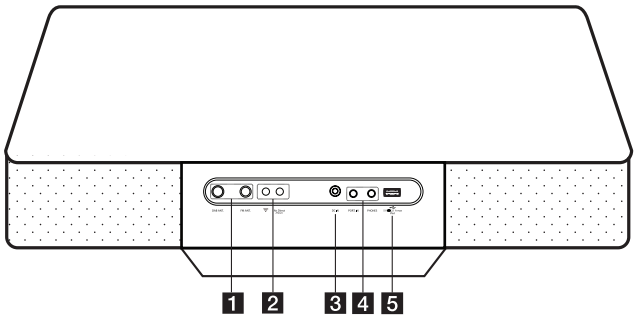
1 Speaker

2 ⏻/❙(Power ON/OFF)
Switches the unit ON or OFF.
F(Function)
Selects the function and input source.
>II(Play/Pause)
- Starts and pauses playback.
- Selects Stereo/Mono.
□(Stop)
Stops playback.
-/+ (Volume)
Adjusts volume level.
⏏ (Insert/Eject)
Inserts or ejects a disc from a slot loader.

3 Display Window

4 Disc slot
Loads a disc.

Rear Panel



1 **DAB ANT.**
Connects the DAB antenna.
FM ANT.
Connects the FM wired antenna.

2 (AirPlay)
Connects your unit to the existing Wi-Fi network.
Air Direct/Reset
- Creates new Wi-Fi network with your unit.
- Initializes Wi-Fi network's Security Mode.

3 **DC IN**(AC adapter input)

4 **PORT.IN**
Listens to music from your portable device.
PHONES
Listens to music with your headphone. (3.5 mm)

5 USB Port
Plays and records the audio files by connecting the USB device.

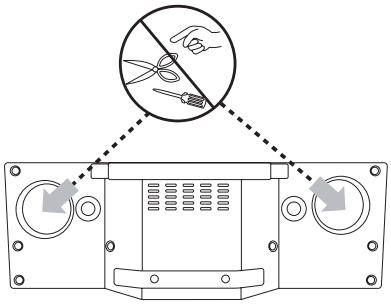
Caution

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.

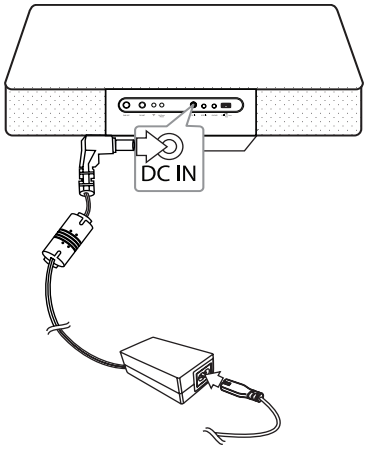
Caution

There are speakers at the bottom of your unit. Be careful of this, when you handle it.



Connecting the AC adapter

1. Connect the supplied AC power cord to the AC adapter.
2. Connect the AC adapter cable to DC IN adapter input.
3. Plug the AC power cord into an AC outlet.



Caution

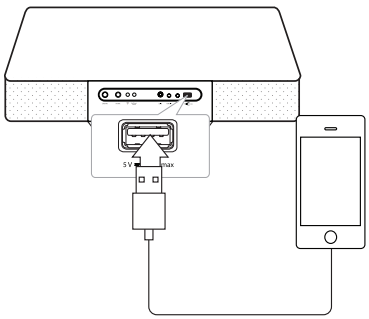
Only use the AC adapter supplied with this device. Do not use a power supply from another device or manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.

Basic Operations

iPod/iPhone/iPad Operation

You can enjoy the sound with your iPod/iPhone/iPad. For details about iPod/iPhone/iPad, refer to the iPod/iPhone/iPad User Guide.

1. Connect iPod/iPhone/iPad to the USB port by using the iPod/iPhone/iPad's cable.



   If you turn this unit on, your iPod/iPhone/iPad will be automatically turned on and start recharging.

2. Press **FUNCTION** on the remote control or **F** on the unit to select USB function. You can operate your iPod/iPhone/iPad through an iPod/iPhone/iPad's display by using the remote control and controlling your iPod/iPhone/iPad.

To	Do this	
	ON UNIT	ON REMOTE
Pauses or restart	>II	>II
Skip	-	I<< / >>I
Search	-	Press and hold I<< / >>I
Move to the previous menu	-	REPEAT (MENU)
Move to the desired item	-	PRESET/ FOLDER ∧/∨
Chooses a item	☐	☐ ENTER

Compatible iPod/iPhone/iPad

The unit supports the models as follows ;

- iPad mini
- iPad 4G
- iPad 3G
- iPad 2G
- iPad
- iPhone 5
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPod touch 5G
- iPod touch 4G
- iPod touch 3G
- iPod nano 7G
- iPod nano 6G
- iPod nano 5G
- iPod nano 4G

Depending on your iPod/iPhone/iPad's software version, you may not control your iPod/iPhone/iPad from the unit.

Depending on your iPod/iPhone/iPad device, you may not control your iPod/iPhone/iPad from the unit.

Note

- If iPod/iPhone/iPad operation has an error, check these problems as follows;
  - Your iPod/iPhone/iPad is not connected firmly.
  - This unit recognizes your iPod/iPhone/iPad as an unknown device.
  - Your iPod/iPhone/iPad is exceptionally low in power.

  ➡ The battery needs to be charged.
  ➡ If you charge the battery while iPod/iPhone/iPad is extremely low in power, it may take longer to be charged.
- Depending on your iPod/iPhone/iPad 's software version, it may not be possible to control your iPod/iPhone/iPad from this unit. We recommed installing the latest software version.
- If you use an application, make a call, or send and receive SMS text message, etc. on iPod touch or iPhone, disconnect it from this unit and then use it.
- If you have a problem with your iPod/iPhone/iPad, please visit www.apple.com/support.
- You may need additional operation for iPod touch/iPhone/iPad, for example "unlock" before you use.

Android device Operation

You can enjoy the sound from your Android device through USB port. For details about Android device, refer to the Android device User Guide.

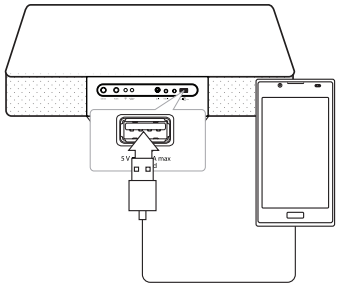
To stream audio from your Android device through this unit, you need :

- With Android operation system : Ver 4.1(or later) and AOA 2.0 (or later)
- With a micro USB cable

Note

You are recommended to remove the case for your Android device(Ver 4.1or later) before you connect your Android device to USB port using a cable.

1. Connect Android device to the USB port by using the Android device's cable.



2. Press **FUNCTION** on the remote control or **F** on the unit to select USB function.
3. If your unit is connected firmly, 'ANDROID' will appear in the display window.
   You can operate your Android device through an Android device's display by using the remote control and controlling your Android device.

To	Do this
Play	Press ▶II.
Pause	During playback, press ▶II.
Skip	During playback, press I◀◀ / ▶▶I to go to the next file or to return to the beginning of the current file. During playback, press I◀◀ twice briefly to step back to the previous file.

When you selects USB function, you can see messages as follows;

Message	Cause
USB	Your device is not supported by AOA 2.0 (Only charging)
Number of files	This unit recognizes your USB.
IPOD	This unit recognizes your iOS device as an known device.
ANDROID	This unit recognizes your Android device supported by AOA 2.0 as known device.
NO USB	Any device is not connected to USB port. This unit recognizes your Android device as an unknown device.

Note

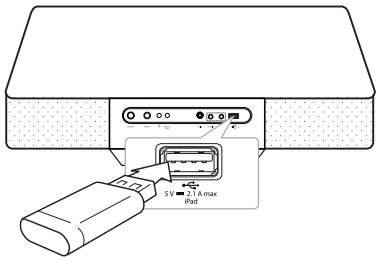
Depending on the type of device, Message will appear in other way.

Note

- If the USB connection has an error, check these problems as follows;
- Your Android device is not connected firmly.
- This unit recognizes your Android device as an unknown device.
- Your Android device is not booted.
- The charging time may vary depending on your Android device.
- Some Android devices may not be charged.
- You may not control your Android device from this unit due to malfunction of Android device.
- Depending on your Android device's software version, it may not be possible to control your Android device from this unit. We recommend installing the latest software version.
- If you use an application, make a call, or send and receive SMS text message, etc. on Android device, disconnect it from this unit and then use it.
- Although your device's O/S is ver 4.1 or even the latest version, you can not charge it. Because your device is not supported by AOA 2.0.
- Disconnect your device from USB port in case of malfunction, although the device's O/S is ver 4.1(or later).
- While the unit recognizes your android device, you may see "USB CONNECT" in your device.
- If you connect your Android device to USB port while your Android device is extremely low in the volume, the audio may not output from this unit. In this case, you should adjust the volume of your Android device.

USB Operation

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



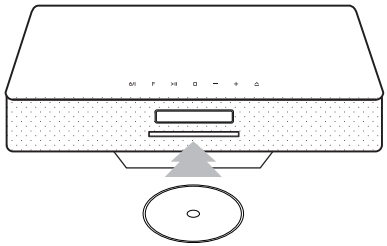
Note

Removing the USB Device from the unit

1. Choose a different function/mode or press **ENTER** on the remote control or on the unit twice in a row.
2. Remove the USB device from the unit.

CD Operation

1. Insert a disc in the disc slot with the label side upward.
2. Select the CD function by pressing **FUNCTION** on the remote control or **F** on the unit.
3. Select a track/file you want to play by pressing **I<< / >>I** on the remote control.



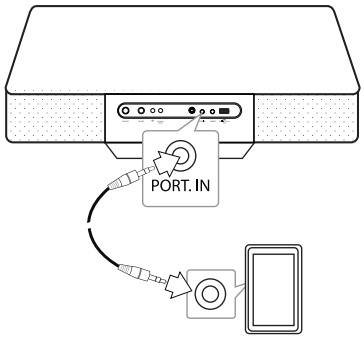
Note

- Music CDs or CD-R/CD-RW in music CD format can be only played.(12 cm disc)
- The DTS is not supported. In case of DTS audio format, audio is not output.

To	Do this
Stop	Press **ENTER** on the remote control or on the unit.
Playback	Press **>II** on the remote control.
Pause	During playback, Press **>II** on the remote control.
Skipping to the next/ previous track/ file	During playback, press **>>I** on the remote control to go to the next track/file. Playing less than 2 seconds, press **I<<** on the remote control to go to the previous track/file. Playing after 3 seconds, press **I<<** on the remote control to go to the beginning of the track/file.
Searching for a section within a track/ file	During playback, press and hold **I<< / >>I** on the remote control and release it at the point you want to listen to.
Searching for a section within a folder	Press **PRESET/FOLDER ∧/∨** on the remote control.
Playing repeatedly or randomly	Press **REPEAT(MENU)** on the remote control repeatedly, the display window will be changed in the following order, RPT1 -> RPT DIR (only MP3/ WMA/ FLAC) -> RPT ALL -> RANDOM -> OFF

Listening to music from your portable device

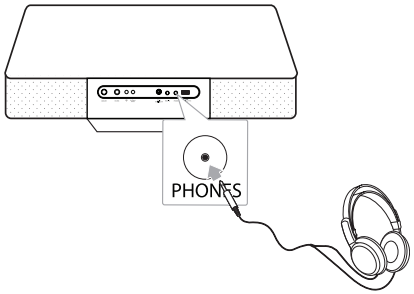
The unit can be used to play the music from many types of portable device. (Portable cable is not supplied as an accessory with this unit.)



1. Connect the portable device to the **PORT. IN** connector of the unit.
2. Turn the power on by pressing ⏻/I.
3. Select the PORTABLE function by pressing **FUNCTION** on the remote control.
4. Turn the portable device on and start playing it.

Listening to music with your headphones

Connect a pair of stereo headphones (∅ 3.5 mm phone plug) to PHONES jack on the unit for private listening.(Headphones are not supplied as an accessory with this unit.)



Note

You can't hear any sound from speakers, while the headphones plug is inserted in the PHONES jack.

Other Operation

Programmed Playback

The program function enables you to store your favourite tracks/files from any disc or USB device.

A program can contain 20 tracks/files.

1. Insert a CD or connect USB and wait for it to be loaded.
2. Press **PROGRAM/MEMORY** on the remote control in stop state.
3. Press **I<< / >>I** on the remote control to select a next track/file.
4. Press **PROGRAM/MEMORY** again to save and select a next track/file.
5. Press **>II** to play the programmed music tracks/files.
6. To clear your selection, press **ENTER** twice.

Note

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

Selecting a folder and an MP3/WMA/FLAC file.

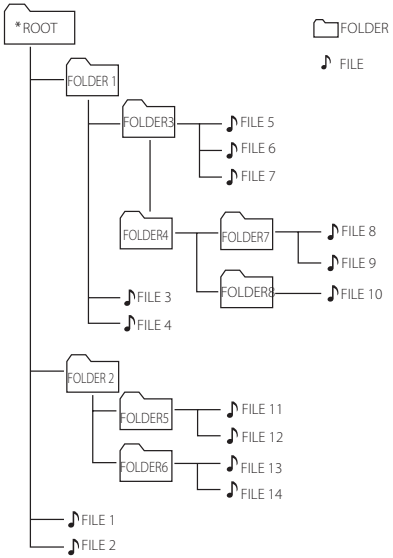
1. **PRESET/FOLDER ∧/∨** on the remote control repeatedly until a desired folder appears.
2. Press **>II** to play it. The first file of folder will play.

Resume playback

During playback, if you change to another function, then return to the USB/CD function, and then press, you can listen to music from last point you played.

Note

- USB/CD Folders/Files are recognized as below



- If there is no file in a folder, the folder will not appear
- Folders will be presented as the following order;
  ROOT → FOLDER1 → FOLDER3 →FOLDER7 → FOLDER8 → FOLDER5 → FOLDER6
- File will be played from ♪ file No.1 to ♪ file No.14 one by one.
- Files and folders will be presented in order recorded and may be presented differently according to the record circumstances.
- *ROOT : The first screen you can see when a computer recognize the USB/CD is "ROOT".

Deleting an MP3/WMA/FLAC file

You can delete file, folder or format by pressing **DELETE** on the remote control. This function is supported only in stop state. (USB only)

1. -Select the file you want to delete by using **I<< / >>I** . And press **DELETE**.
   -Select the folder you want to delete by pressing **PRESET/FOLDER Λ/V**. Then press **DELETE**.
   -Press and hold **DELETE** to format the USB device.
   Or
   Press **DELETE** repeatedly while searching a file.
   The display window will be changed in the following order.
   - DEL FILE : Deletes file
   - DEL DIR? : Deletes folder
   - FORMAT? : Formats USB
2. To delete file/folder or format, press **>II** .
3. If you want to exit the current mode, press **ENTER**.

Caution

- Do not extract the USB device during operation. (play, delete, etc.)
- Regular back up is recommended to prevent data loss.
- The delete function may not be supported according to the USB state. (lock, etc.)

Displaying file information

While playing an MP3/FLAC file containing file information, you can display the information by pressing **INFO** on the remote control.

Turn off the sound temporarily

Press **MUTE** on the remote control to mute your sound.

You can mute the sound in order, for example, to answer the telephone. And "MUTE" will appear in the display window. To cancel mute function, press **MUTE** again or adjust volume level by pressing **VOL+/-**.

Sleep Timer Setting

Press **SLEEP** on the remote control repeatedly to select delay time between 10 and 180 minutes. After delay time, the unit will turn off. (You can see the following order, 180 -> 150 ->120 -> 90 -> 80 -> 70 -> 60 -> 50 -> 40 -> 30 -> 20 -> 10)
To cancel the sleep function, press **SLEEP** repeatedly until the display window get bright.

Note

- Press **SLEEP**. The remaining time appears in the display window.
- Sleep function will work after dimmer function.

Dimmer

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

Auto Power Down

This unit will be off itself to save electronic consumption in the case main unit is not connected to external device and is not used for 25 minutes. So does this unit after 6 hours since Main unit has been connected to other device using analog input.

Sound adjustment

Setting the sound mode

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

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.
AUTO EQ	Sets the sound equalizer on the mode that is the most similar to the genre which is included in the MP3 ID3 tag of song files.
POP CLASSIC JAZZ ROCK	This program lends an enthusiastic atmosphere to the sound, giving you the feeling you are at an actual rock, pop, jazz or classic concert.
MP3 -- OPT	This function is optimized for compressible MP3 file. It improves the treble sound.
BASS (BASS BLAST)	Reinforces the treble, bass and surround sound effect.
LOUDNESS	Improves the bass and treble sound.
BYPASS	You can enjoy the sound without equalizer effect.

Note

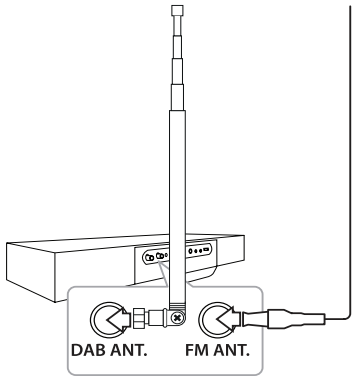
Maybe you need to reset the sound mode, after switching the input, sometimes even after the sound track/file is changed.

Radio Operation

Antenna Connection

Connect the FM Wire antenna to **FM ANT.** connector.

Connect the DAB antenna to the **DAB ANT.** 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 : Delete all of the saved DAB scanned stations.

Listening to the radio

1. Press **FUNCTION** on the remote control until FM/DAB appears in the display window. The last received station is tuned in.
2. **[FM]**
   Auto tuning : Press and hold **CH/TUNING-/+** for about 2 seconds until the frequency indication starts changing, then release. Scanning stops when the unit tunes in a station.

   Manual tuning : Press **CH/TUNING-/+** repeatedly.

   [DAB]
   Press **CH/TUNING-/+** and press ▶II when scanning stop.
3. Adjust the volume by pressing **VOL+/-**.

Improving poor FM reception

Press ▶II on the remote control. This will change the tuner from stereo to mono. Then the reception will be better than before.

Presetting the Radio Stations

You can preset 50 stations for FM/DAB . Before tuning, make sure to turn down the volume.

1. Press **FUNCTION** until FM/DAB appears in the display window.
2. **[FM]**
   Select the desired frequency by pressing **CH/TUNING-/+**.

   [**DAB]**
   Press **CH/TUNING-/+** and press ▶II.
3. Press **PROGRAM/MEMORY**. A preset number will blink in the display window.
4. Press **PRESET/FOLDER ∧/∨** to select the preset number you want.
5. Press **PROGRAM/MEMORY**. The station is stored.
6. Repeat steps 2 to 5 to store other stations.
7. To listen a preset station, press **PRESET/FOLDER ∧/∨**.

Deleting all the saved stations

1. Press and hold **PROGRAM/MEMORY** for two seconds. "ERASEALL" will blink on the display window.
2. Press **PROGRAM/MEMORY** to erase all saved radio stations.

Seeing information about a Radio station

The FM tuner is supplied with the RDS (Radio Data System) facility. This shows information about the radio station being listened to. Press **RDS/SET** repeatedly to cycle through the various data types. :

PS (Programme Service Name)
The name of the channel will appear in the display

PTY (Programme Type Recognition)
The programme type (e.g. Jazz or News) will appear in the display.

RT (Radio Text)
A text message contains special information from the broadcast station. This text may scroll across the display.

CT (Time controlled by the channel)
This shows the time and date as broadcast by the station.

You can search the radio stations by programme type by pressing **RDS/SET**. The display will show the last PTY in use. Press **PTY** one or more times to select your preferred programme type. Press and hold **CH/TUNING-/+**. The tuner will search automatically. When a station is found, the search will stop.

Listening to the DAB

You can change the display information of the currently broadcasting DAB channel. Press **DAB MODE** on the remote control repeatedly, the display changes in the following order;
SERVICE -> PTY NAME -> FREQ -> DLS -> QUALITY -> ENSEMBLE
Select a display mode and then press **CH/TUNING-/+**, the initials of the servicename are displayed.

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

Setting the Clock

You have three ways to set the clock.

Setting the clock by pressing the buttons

1. Turn the unit on.
2. Press and hold **CLOCK**.
3. Choose time mode by pressing **I<< / >>I**.
   - 12:00 (for an AM and PM display) or 0:00 (for a 24 hour display)
4. Press **ENTER** or **RDS/SET** to confirm your selection.
5. Select the hours by pressing **I<< / >>I**.
6. Press **ENTER** or **RDS/SET**.
7. Select the minutes by pressing **I<< / >>I**.
8. Press **ENTER** or **RDS/SET**.
9. If you want to reset the clock, press and hold **CLOCK**.Then repeat steps 3-8.

Setting the clock by connecting the BT.App

Set time you desired on Bluetooth device and connect the Bluetooth device to your unit via BT app. Then the clock setting in the display window will be synchronized with the Bluetooth device automatically.

Setting the clock by synchronizing your iPod/ iPhone/iPad

Connect iPod/iPhone/iPad to the USB port using the iPod/iPhone/iPad's cable and select USB function. Then the clock setting in the display window will be synchronized with your iPod/ iPhone/iPad.

After the unit synchronized with your iPod/iPhone/ iPad for clock setting, there will be a time difference between the iPod/iPhone/iPad and the unit . In power off state, the clock won't be synchronized with your iPod/iPhone/iPad.

Note

Check the current time on iPod/iPhone/ iPad is correct or not. If not, reset it correctly depending on present time. Wrong time on the iPod/iPhone/iPad may result in the time defference between your iPod/iPhone/iPad and the unit.

Using your player as an alarm clock

1. Turn the unit on.
2. Press and hold **TIMER** to set the alarm function.
3. Alarm sound sources will blink. While each of sound sources blink, select the one you want by pressing **ENTER** or **RDS/SET**.
4. "ON TIME" will blink. This is your desired time to turns unit on. Press **I<< / >>I** to change the hours and minutes and press **ENTER** or **RDS/SET** to save.
5. The "OFF TIME" will blink. This is your desired time to turn unit off. Press **I<< / >>I** to change the hours and minutes and press **ENTER** or **RDS/SET** to save.
6. The volume setting will blink. Press **I<< / >>I** to change the volume and press **ENTER** or **RDS/SET** to save.
7. Press **TIMER** to check the alarm information.
8. If you want to reset the clock, press and hold **TIMER**.Then repeat step 3-6.

Note

- If you unplug the cord from an outlet, the clock setting you set won't be stored.
- If you synchronize the unit with your BT device for clock by using BT app, you can set 12 - Hour Time (ex - PM 11 : 00) or 24 - Hour Time (ex - 23 : 00).(Android O/S only)
- If you set the clock, you can check the time by pressing **CLOCK** although the player is turned off.
- If you set the clock and alarm, you can check setting informaiton by pressing **TIMER** although the unit is turned off. Then this function will work in everyday.
- Alarm function only works when the unit is turned off.
- When the alarm rings, you can deactivate the alarm by pressing **TIMER**.
- If the alarm rings with USB cable connected to USB port, the function switches to tuner function. (Depending on the type of device, this may not be available.)

Advanced Operation

Recording on USB

1. Connect the USB device to the unit.
2. Select a function by pressing **FUNCTION** on the remote control or **F** on the unit.

   One track/file recording - You can record a track/a file on USB while playing the file you want.
   All tracks/files recording - You can record tracks/files on USB in stop state.
   Program list recording - After making program list, you can record it on USB.
   (Refer to the page 17)
3. Start the recording by pressing **USB REC** on the remote control.
4. To stop recording, press **ENTER**.

Pausing recording

During recording, press **USB REC** to pause recording. Press it again to restart recording. (Only FM/ Portable function)

To select recording bit rate and speed

1. Press **USB REC** for longer than 3 seconds.
2. Use **I<< / >>I** to select the bit rate.
3. Press **USB REC** again to select the recording speed.
4. Press **I<< / >>I** to select a desired recording speed. (CD Function Only)

   X1 SPEED
   - You can listen to music while recording it. (Audio CD Only)

   X2 SPEED
   - You can just record the music file.
5. Press **USB REC** to finish the setting.

Note

- You can check the recording percentage rate for the USB record on the display window during the recording. (AUDIO CD, MP3/ WMA/ FLAC CD Only)
- During recording MP3/ WMA/ FLAC, there is no sound.
- When you stop recording during playback, the file that has been recorded at that time will be stored. (Except for MP3/WMA/ FLAC files)
- 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 ERR)", "FULL(USB FULL)", "NO SUPPO"or "NO REC" is displayed on the display window.
- Multi card reader device, External HDD, mobile phone can not be used for USB recording.
- A file is recorded by about 512 Mbyte when you record for a long term.
- You may not store more than 999 files.
- It'll be stored as follows.

AUDIO CD	MP3/ WMA/FLAC	The other source*
CD_REC TRK_001 TRK_002	FILE_REC ABC(File name) DEF(File name)	EXT_REC AUDIO_001 AUDIO_002

* : FM, PORTABLE and the like.

DAB, BT, AirPlay are not suppoted.

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 available range is within 10 meters.

(The sound may be interrupted when the connection is 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 **FUNCTION** on the remote control or **F** on the unit. "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 dispalys 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 is successfully paired with your Bluetooth device, "BT CONN" and "BT PAIR"appears in the display window.

Note

- Depending on the Bluetooth device type, some devices have a different pairing way.
- Try pairing procedure if your device name is not in the device list.

5. Listening to music.
   To play a music stored on your Bluetooth device, refer to your Bluetooth device's user guide. According to your Bluetooth device's volume level, the volume level of Bluetooth will be adjusted.

Note

- Sound from the main set can be distorted if you raise the volume of Bluetooth device up to two-thirds or more.
- When you use the Bluetooth function, adjust the volume of a Bluetooth device to a proper level to listen to.

Note

- After your device is connected to the unit via Blutooth, the function switches to BT automatically. (Except for AirPlay).
- After searching for this unit on your Bluetooth device, pair the Bluetooth device with this unit. Then play the file you want.
- The sound may be interrupted when the connection interfered by the other electronic wave.
- You cannot control the Bluetooth device with this unit.
- Pairing is limited one Bluetooth device per one unit and multi-pairing is not supported.
- Although the distance between your Bluetooth and the set is less than 10m, if there are obstacles between both, your Bluetooth device cannot be connected.
- 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, "BT READY" appears in the display window.
- The Electrical malfunction due to devices using same frequency such as Medical equipment, Microwaves or wireless LAN devices, the connection will be disconnected.
- When someone stands and interrupts communication between Bluetooth device and the player, the connection will be disconnected.
- If the gotten away of the distance between Bluetooth and the unit, the sound quality is lower and lower. The connection will be disconnected when the space between the Bluetooth and the unit gets out of the operating range of Bluetooth.
- The device with Bluetooth wireless technology is disconnected, if you turn off the main unit or put the device away from the main unit more than 10m.
- If the Bluetooth device is disconnected, you should connect the Bluetooth device to your unit.

Using LG Bluetooth Remote app

About LG Bluetooth Remote app

LG Bluetooth Remote app bring a suite of new features to your unit. To enjoy more features, you are recommended to download and install free " LG Bluetooth Remote".

Install " LG Bluetooth Remote app" through " Apple App Store" or "Google Android Market"

1. Tap the Apple App Store icon or Google Android Market(Google Play Store) icon.
2. In the search bar, type in the "LG Bluetooth Remote" and search it.
3. In the search result list, find and tap "LG Bluetooth Remote" to start downloading Bluetooth app.
4. Tap an icon for installation.
5. Tap an icon for downloading.

Note

- Make sure that your powered Bluetooth device is connected to the Internet.
- Make sure that your powered Bluetooth device is equipped with " Apple App Store" or "Google Android Market(Google Play Store)"
- If you want to get more information, refer to explanation of BT app in "Apple App Store" or "Google Android Market(Google Play Store)"

Install " LG Bluetooth Remote app " by using QR code

1. Install " LG Bluetooth Remote app" by using QR code. Use the scaning software to scan the QR code.
2. Tap an icon for installation.
3. Tap an icon for downloading.



Note

- Make sure that your powered Bluetooth device is connected to the Internet.
- Make sure that your powered Bluetooth device has a scanning software application. If you don't have one, download one from "Apple App Store" or "Google Android Market(Google Play Store)".

Activate Bluetooth with LG Bluetooth Remote app

LG Bluetooth Remote app helps to connect your powered Bluetooth device to the unit.

1. Tap LG Bluetooth Remote app icon on the home screen to open LG Bluetooth Remote app application, and go to the main menu.
2. Tap [Setting] and select the unit you want.
3. If you want to get more information to operate, tap [Setting] and [Help].

Note

- BT app will be available in the software version as follow;
  Android O/S : Ver 2.3.3(or late)
  iOS O/S : Ver 4.3(or late)
- While using Bluetooth, you may not activate BT app. Disconnect Bluetooth device you have connected before to use BT app properly.
- If you use Bluetooth app for operation, there would be some differences between Bluetooth app and the supplied remote control. Use the supplied remote control as necessary.
- If you operate BT app with Bluetooth device connected, the Blutooth connection you have connected before may be disconnected. (Depending on the smartphone's O/S, this process has a difference.)
- Depending on the Bluetooth device, BT.app may not work.
- In Bluetooth function, if you use BT app, the supplied remote control may not work.
- When using BT app for remote control, the operation may differ from the supplied remote control.
- According to the smartphone's operating system, you have some differences for BT app's operation.
- When your Bluetooth device have been already connected with other unit, disconnect the Bluetooth connection first. Then you can control your unit through BT app.
- The connection you've made may be disconnected if you select other application or change the setting of the connected device via BT app. In such case, please check the connection status.
- To prevent a malfunction, you are recommended to connect only one device to this unit.
- Don't connect your smart device by using a cable to USB port. Or else the Blutooth connection will be disconnected.
- After connection of BT app, music may be output from your device. In this case, try connecting procedure again.

Using AirPlay

Apple AirPlay technology enables you to play your iTunes music library, hosted on a Mac, PC, iPhone, iPod touch, or iPad on any AirPlay-enabled device connected to the Wi-Fi network.

To stream audio wirelessly by AirPlay, you need :

	Wi-Fi Sharing	Air Direct	Webpage
Compatible Apple Device	iPad mini, iPad4, iPad3, iPad2, iPad, iPhone5, iPhone 4S, iPhone 4, iPhone 3GS, iPod touch 5G, iPod touch 4G, iPod touch 3G		
iOS Version	Ver.4.3.3(or later)		
iTune Version	Ver.10.2.2(or later)		
Wireless LAN (internal antenna)	802.11 b/g		
Security Mode	WPA(TKIP/AES) WPA2(TKIP/AES) WEP with Open mode	WEP with Open / Shared mode	WPA(TKIP/AES) WPA2(TKIP/AES) WEP with Open mode
Webpage address	-	192.168.1.1 (Optional for security))	192.168.1.111

- This unit should be connected to the same local network as your iTunes host device through the Wi-Fi router.
- Depending on the kind and operating system or the application's version and the setting status of AirPlay-enabled device connected to this unit, AirPlay may not be operated normally.
- Depending on the type of Network environment and your device state, it may take long time to connect the unit.
- WPA supports TKIP and WPA2 supports AES first.

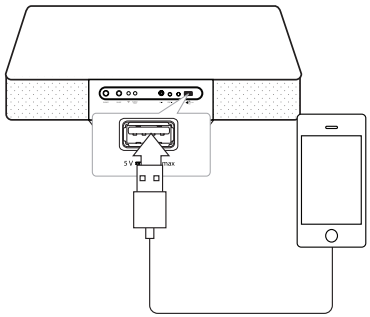
Connecting your Wi-Fi device to Wi-Fi network

Option 1 : Using Wi-Fi Sharing

Note

Make sure that you set security mode to WPA-TKIP or WPA2-AES to connect the network more quickly.

1. Connect your iPod touch/iPhone/iPad to the network.
2. Press **FUNCTION** on the remote control or **F** on the unit to select AIRPLAY function.
3. Connect your iPod touch/iPhone/iPad to the network first, then connect it to the unit using your cable. Please touch iPod touch/iPhone/iPad before you use.



4. Press on the unit. "SET WIFI" message will appear and icon will blink.



5. Tap "Allow" from popup window from iPod touch/iPhone/iPad. Then network information will be shared to the unit.
6. When the unit is connected to the network, "CONN OK" message will appear and stop blinking.



7. Use AirPlay on your iPod touch/iPhone/iPad after "AIRPLAY" appears in the display window.



Option 2 : Using Air Direct without security

1. Press **FUNCTION** on the remote control or **F** on the unit to select AIRPLAY function.
2. Press **Air Direct/Reset** on the unit. Then "DIRECT" message appears and icon blinks.

- When the unit is changed to Air Direct Mode, icon stops blinking.



3. In the network list, find and select "AIR DIRECT XXXXXX".



4. Use Airplay after your iPod touch/iPhone/iPad or PC/MAC is connected.

Note

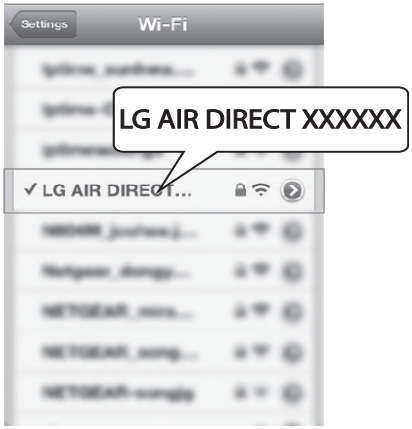
- If "LG AIR DIRECT XXXXXX" is not in the list, try to scan the available Wi-Fi networks again.
- When your iPod touch/iPhone/iPad or PC/MAC is connected to "LG AIR DIRECT XXXXXX", you can't use internet.

Using Air Direct with Security mode

5. Launch Apple Safari browser or Microsoft Internet Explorer browser on your iPod touch/ iPhone/iPad or PC/MAC.
6 Type in "192.168.1.1" at the browser address bar and confirm.
7. Set security mode and insert password.
   - Hexadecimal (0-9, A-F) 10 or 26 digits.
   - 5 or 13 ASCII characters.
8. Tap or click "OK"



9. In the network list, find and select "AIR DIRECT XXXXXX" again.



10. If you want to get back to non-security mode, select security type as None.

Note

- If you want to deactivate Air Direct function, press **Air Direct/Reset**.
- If you want to initializes Wi-Fi network's Security Mode, press and hold **Air Direct/Reset**.
- In case you can't "LG AIR DIRECT XXXXXX" in the network list, try connecting procedure using Air Direct with Security mode.

Option 3 : Using Webpage

The new Wi-Fi network created by this unit only allows access of one Wi-Fi enabled device. To avoid interference from any other Wi-Fi devices, you are recommended to temporarily disable the Wi-Fi function on your other Wi-Fi devices.

Note

- "LG AUDIO Setup XXXXXX" is the temporary and assistant Wi-Fi network for connection of this unit to your home Wi-Fi router.
- While your iPod touch/iPhone/iPad or your Wi-Fi enabled PC/Mac is connecting to "LG AUDIO Setup XXXXXX" network, you can not be able to use the Internet on them.

1. Press **FUNCTION** on the remote control or **F** on the unit to select AIRPLAY function.
2. Press and hold .
- "STEP1" message appears and icon blinks in the display window.



3. After 20 seconds, select "Setting" -> "Wi-Fi" your iPod touch/iPhone/iPad or PC/MAC.
4. In the network list, select " LG AUDIO Setup XXXXXX".
- "STEP2" message appears and icon blinks.

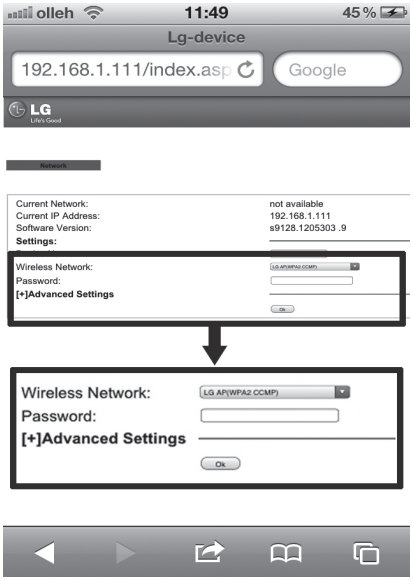


Note

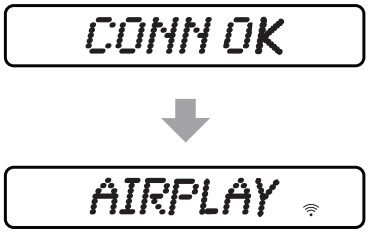
- If "LG AUDIO Setup XXXXXX" is not in the list, try to scan the available Wi-Fi networks again.
- If you want to deactivate Webpage function, press and hold Wi-Fi until "AIRPLAY" message appears in the display window.

5. Launch Apple Safari browser or Microsoft Internet Explorer browser on your iPod touch/ iPhone/iPad or PC/MAC.
6. Type in "192.168.1.111" at the browser address bar and confirm.
7. Select your network name (SSID) from "Wireless Network".
8. Enter the network key if required.
9. Tap or click "OK" to proceed with network settings change.

- Follow the on-screen instructions to change and confirm the internal Wi-Fi settings of this unit.
- Please wait about 30 seconds and more.



10. If this unit is connected to your selected home Wi-Fi network successfully,
    - Wi-Fi icon stops blinking and stays.
    - "CONN OK" message appears for a moment and then "AIRPLAY" message appears in the dispaly window.



Note

If there's any problem during network connection, if this unit is failed to connect to the Wi-Fi network, or if you enter the wrong password, Wi-Fi icon blinks and "ERROR" message appears for a moment. Then "AIRPLAY" message appears in the display window. In these cases, please try network connection.

11. If you have security on your access point, you need to input the security code as necessary.

Note

- If you use other characters than the english alphabet or digits for the SSID name of your access point or wireless router, it may be displayed differently.
- WEP security mode generally have 4 keys available on an access point setting. If your access point or wireless router use WEP security, enter the security code of the key "No.1" to connect on your home network.
- An Access Point is a device that allows you to connect to your home network wirelessly.

Streaming audio from your iTunes music library to this unit

Note

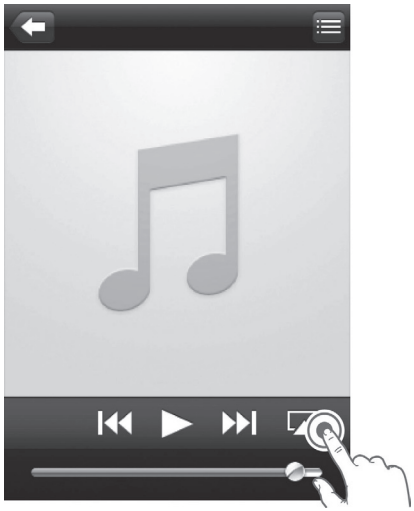
Make sure that your iTunes host device is connected to the same Wi-Fi network as this unit. Your iTunes device can be an iPod touch/ iPhone/iPad installed with iOS 4.3.3 (or later) or a Wi-Fi enabled PC/Mac installed with iTunes 10.2.2 (or later).

Stream from your iPod touch/ iPhone/iPad

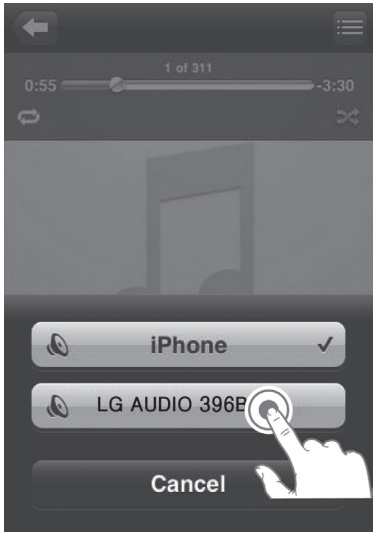
1. Launch the "Music" application on your iPod touch/iPhone/iPad.



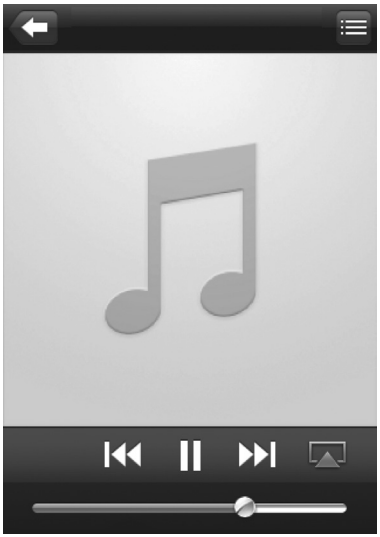
2. Tap on the AirPlay icon.



3. Select "LG AUDIO XXXXXX" (or user customized name) from the AirPlay list.



4. Select a media file and start play.
   - After a while, you will hear music from this unit.
   - Depending on your connection environment and network condition, audio output may be delayed.



Note

If you fail to hear music after successful setup, do one of the following on your iPod touch/ iPhone/iPad:

- Disconnect and then re-connect to the same Wi-Fi router again.
- Close all applications running at the background.
- Power off and then power on your iPod touch/iPhone/iPad again.

Troubleshooting

Problem	Correction
No Power.	• Plug in the power cord. • Check the condition by operating other electronic devices.
No sound.	Press **F** and check the selected function.
The unit does not start playback.	• Insert a playable disc. • Clean the disc. (Refer to the 37 page) • Insert the disc with the label or printed side facing upward.
Radio stations cannot be tuned in properly.	• Connect the antenna securely. • Tune to the station manually. • Preset some radio stations, see page 20
The remote control does not work properly.	• Operate the remote control within about 23 ft (7 m). • Remove the obstacle in the path of the remote control and the unit. • Replace the battery with new one.
iPod/iPhone/iPad does not work.	Connect your iPod/iPhone/iPad using USB cable firmly .
Android device does not work.	• Check whether your device's O/S is ver 4.1(or later) or AOA 2.0(or later). • Connect your Android device using USB cable firmly.
Clock does not displayed.	• Connect your Bluetooth device to your unit through BT app. • Connect your iPod/iPhone/iPad using USB cable firmly for time sync.

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Made for iPod iPhone iPad

"Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, 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. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

R·D·S

DAB digital radio

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Bluetooth® wireless technology is a system which allows radio contact between electronic devices within a max. range of 10 meters.

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.

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Wi Fi CERTIFIED

The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance.

Specifications

General	
AC adapter requirements	DC IN 18 V ⎓ 2.67 A , 100 - 240 V ~ 50 - 60 Hz
Power consumption	Refer to the main label.
Dimensions (W x H x D)	520 x 87 x 180 mm
Net Weight (Approx.)	3.7 kg
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	5 % to 90 %
Bus Power Supply	DC 5 V ⎓ 2100 mA

Inputs	
PORT. IN	0.5 Vrms (3.5 mm stereo jack)

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

Amplifier	
Stereo mode	5 W + 5 W(Front), 30 W(Dual Woofer)
T.H.D	10 %

CD	
Frequency Response	30 to 20000 Hz
Signal-to-noise ratio	80 dB
Dynamic range	80 dB

Sub Woofer	
Type	Built-in
Impedance	8 Ω
Rated Input Power	10 W
Max. Input Power	20 W

Front Speaker	
Type	Built-in
Impedance	6 Ω
Rated Input Power	5 W
Max. Input Power	10 W

- Design and specifications are subject to change without notice.

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.



Technology with the human touch

GUARANTEE

- LG Electronics U.K. Ltd. will provide the following services in order toexpedite this Guarantee.

1. All faulty components which fail due to defective manufacture will be replaced free of charge for a period of 12 months from the original date of purchase.
2. The dealer (or his service agent) who sold the product will be reimbursed for any labour provided in the repair of this LG equipment, for a period of 12 months from the original date of purchase. These claims must be made in accordance with the published scale of service charges and relevant claims procedure.

PLEASE NOTE:

A. The dealer may restrict the guarantee to the original purchaser.

B. The dealer is not obliged to carry out service under guarantee if unauthorized modifications are made to the apparatus, or if non standard components are used or if the serial number of the apparatus is removed, defaced, misused, or altered.

C. Any claims made under guarantee must be directed to the dealer from whom the equipment was originally purchased. The dealer may, before carrying out service under guarantee, require a receipted account as evidence of the date of purchase.

D. We respectfully point out that your dealer is not obligated to replace batteries if they become exhausted or worn in use.

E. Aerial alignment and consumer control adjustments are not covered by this guarantee.

This guarantee does not affect your statutory rights.

- REQUIREMENTS TO MAINTAIN WARRANTY COVERAGE:
  RETAIN YOUR RECEIPT TO PROVE DATE OF PURCHASE. A COPY OF YOUR RECEIPT MUST BE SURRENDERED AT THE TIME GUARANTEE SERVICE IS PROVED.
- Product Registration Card :
  It is helpful to complete at least your name, address, phone, model & serial numbers and return it. This will enable LG to assist you in the future should you lose your receipt, your units be stolen, or should modifications be necessary.
- To obtain information or assistance: Call 0870 873 5454 Monday-Friday 9.00am-4.30pm

MODEL NO.*	SERIAL NO.*	DATE OF PURCHASE.*

In all cases of difficulty - consult your LG dealer from whom the product was purchased

LGEUK Website : www.lge.co.uk
(service website : www.lgelectronics.co.uk)



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