LG
Life's Good

OWNER'S MANUAL

Mini USB

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

MODEL
FH6A

MFL69492439

www.lg.com

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.

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

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

CAUTION: Do not use high voltage products around this product. (ex. Electrical swatter) This product may malfunction due to electrical shock.

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 should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction has been adhered to.

NOTICE: For safety marking information including product identification and supply ratings, please refer to the main label on the bottom or the other surface of the product.

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.

The Power Plug is the disconnecting device. In case of an emergency, the Power Plug must remain readily accessible.

This device is equipped with a portable battery or accumulator.

Safety way to remove the batteries or the battery from the equipment: Remove the old batteries 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, to dispose of old batteries 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: No naked flame sources, such as lit candles, should be placed on the apparatus.

Symbols

~	Refers to alternating current(AC).
⎓	Refers to direct current(DC).
⧈	Refers to class II equipment.
⏻	Refers to stand-by.
|	Refers to "ON" (power).
⚡	Refers to dangerous voltage.

Table of Contents

1 Getting Started

2 Safety Information
6 Unique Features
6 Playable file Requirement
6 – Music file requirement
7 – Compatible USB Devices
7 – USB device requirement
8 Remote control
10 Top panel
12 Front panel / Rear panel
13 How to place the unit

2 Connecting

14 Optional Equipment Connection
14 – AUX IN Connection
14 – USB Connection
15 – Antenna Connection

3 Operating

16 Basic Operations
16 – USB Operations
17 – Selecting a folder and an MP3/WMA file
18 – Deleting an MP3/WMA file
18 Playback Effect
18 – DJ EFFECT
18 – SCRATCH Effect
19 – AUTO DJ
19 – DJ PRO
20 Using BLUETOOTH® wireless technology
20 – Listening to music stored on the Bluetooth devices
22 Using the Music Flow Bluetooth App
22 – About "Music Flow Bluetooth" App
22 – Install "Music Flow Bluetooth" App onto Your Bluetooth Device
23 – Activate Bluetooth with "Music Flow Bluetooth" App
24 Radio Operations
24 – Listening to the radio
24 – Improving poor FM reception
24 – Presetting the Radio Stations
24 – Deleting all the saved stations
25 Sound adjustment
25 – Setting the sound mode
25 – Setting the USER EQ
26 Advanced Operations
26 – Recording to USB
28 – JUKE BOX Playback
29 Other Operations
29 – Turn off the sound temporarily
29 – Displaying file information (ID3 TAG)
29 – DEMO
29 – Using Microphone
30 – VOICE CANCELLER
30 – KEY CHANGER
31 – LIGHTING effect
32 Setting the Clock
32 – Setting the Clock through "Music Flow Bluetooth" App
32 – Using your player as an alarm clock
33 – Sleep Timer Setting
33 – Dimmer
33 Auto power down
34 – AUTO POWER On
34 – Auto function change
35 LG Sound Sync
36 Wireless Party Link Connection

4 Troubleshooting

37 Troubleshooting
37 – General

5 Appendix

38 General specifications
39 Maintenance
39 – Handling the Unit
39 Trademarks and Licenses

Unique Features

Bluetooth®

Listens to music stored on your **Bluetooth** device.

Playback effects

Listens to music with various sound and playback effects.

USB Direct Recording

Records music to your USB device.

Music Flow Bluetooth

Music Flow Bluetooth is an App designed to let you take control of some of LG's latest Audio devices. Refer to page 22.

LG Sound Sync

Controls volume level of this unit by the remote control of your LG TV that is compatible with LG Sound Sync.

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)
- Maximum files : 2,000
- Maximum folders : 200
- File extensions : ".mp3"/ ".wma"
- Certain MP3/WMA files may not be played depending on the type or format of the file.

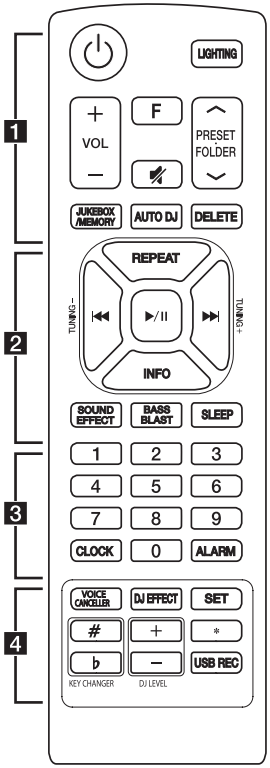
Compatible USB Devices

- 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.

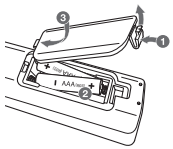
USB device requirement

- 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 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 recognizes up to 2,000 files.
- 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 cannot be used as a storage device.
- Some USB may not work with this unit.

Remote control



Replacement of battery



Remove the battery cover on the rear of the remote control, and insert the battery with ⊕ and ⊖ matched correctly.

1

⏻ (Standby/On) **:** Switches the unit ON or OFF.

LIGHTING:

- Turns ON/OFF the lighting effects.
- Press and hold to turn on/off the Flash Lighting.

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

F (Function) : Selects the function and input source.

🔇 (Mute) **:** Mutes the sound.

PRESET·FOLDER Λ/V :

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

JUKEBOX/MEMORY :

- Stores radio stations.
- Deletes all the saved stations.
- Selects JUKE BOX mode.
- Makes your favorites list.

AUTO DJ : Selects the AUTO DJ mode. (For more information refer to page 19)

DELETE :

- Deletes MP3/WMA files.
- Deletes a song on the programmed list.

2

REPEAT : Listens to your files repeatedly or randomly.

TUNING-/+ : Selects the radio stations.

I◀◀/▶▶I (Skip/Search) **:**

- Skips Fast backward or Forward.
- Searches for a section within a file.

▶/II (Play/Pause) **:**

- Starts or pauses playback.
- Selects Stereo/Mono (Horizon mode only).

INFO :

- Sees information about your music. An MP3 file often come with ID3 tag. The tag gives the Title, Artist, Album or Time information.
- Sees the name of connected all **Bluetooth** device in **Bluetooth** mode.
- In status of Wireless Party Link Connection, device name of SLAVE unit appears in the MASTER unit and Device name of MASTER unit appears in the SLAVE unit.

SOUND EFFECT : Chooses sound impressions.

BASS BLAST : Selects BASS effect directly.

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

3

0 to **9** numerical buttons **:** Selects numbered files or preset number.

CLOCK : Sets a clock and checks a time.

ALARM : With the ALARM function you can turn USB play and Tuner reception on at a desired time.

4

VOICE CANCELLER : You can enjoy the function while playing the music, by reducing singer vocal of music in the various source.

DJ EFFECT : Selects DJ EFFECT mode. (Refer to page 18).

SET : Confirms the setting.

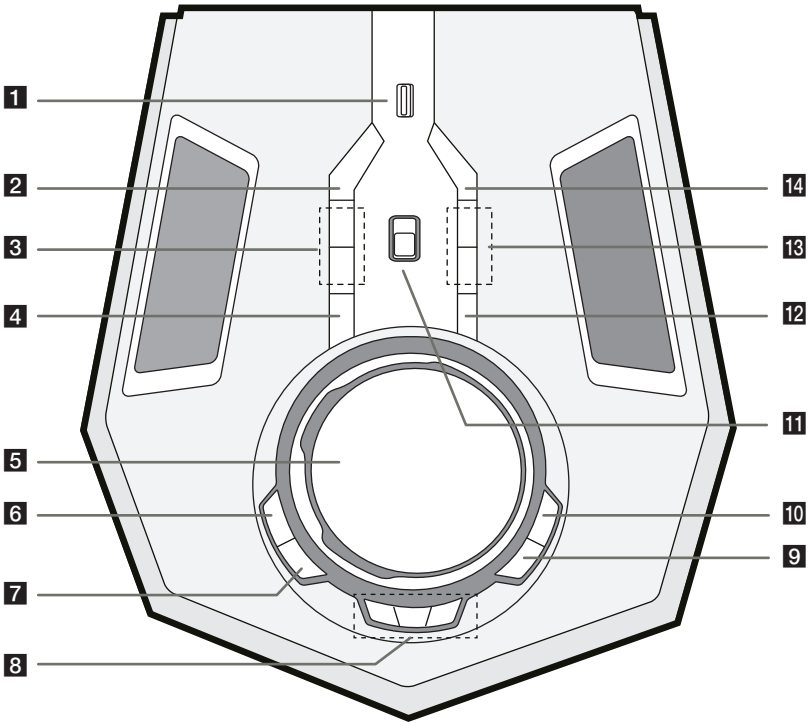
KEY CHANGER (♯/♭) : Changes the key to suit your vocal range.

DJ LEVEL +/- : Adjusts the level of DJ EFFECT sound.

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

USB REC : USB direct recording.

Top panel



1 USB

You can play or record sound by connecting the USB device.

2 **USB REC / DEMO**
- Records to USB.
- Shows Demo mode.

3 **MIC** (Microphone) **VOL +/-**

4 **VOICE CANCELLER**
VOICE CANCELLER can reduce the Vocals of Singer in certain source/content allowing you to enjoy the music.
Press to switch this Mode On or Off.

5 **SCRATCH / SEARCH & LEVEL CONTROL**
- Turns clockwise or counterclockwise to make Scratch sound.
- Searches a folder or a file.
- Adjust DJ EFFECT level.

6 **DJ EFFECT**
Selects DJ EFFECT mode. (For more information refer to page 18).

7 **LIGHTING**
- Turns ON/OFF the lighting effects.
- Press and hold to turn on/off the Flash Lighting.

8 **CLUB, DRUM, USER** (DJ PRO)
Press and hold to select CLUB, DRUM or USER sound effect for mix.
(If you want to use USER, you have to register a source with "Music Flow Bluetooth" app.)

1, 2, 3 (DJ PRO PAD)
Press a desired sound pad.

9 **OK**
Selects a folder when searching a file.

10 **SEARCH**
Moves to folder or file in selection mode.

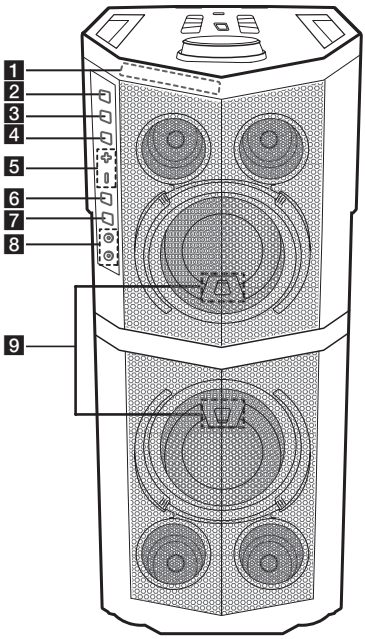
11 **BLUETOOTH**
Changes input source to the **Bluetooth**.
(Even in power off mode, if you press **BLUETOOTH**, then power is on and automatically changed to **Bluetooth** function.)

12 **USER EQ / BASS BLAST**
- Selects the sound effect created by your own.
- Press and hold to select BASS effect directly.

13 **KEY CHANGER (#/♭)**
Changes the key to suit your vocal range.

14 **WIRELESS LINK**
Selects Wireless Party Link mode.

Front panel / Rear panel



1 Display window

2 >>| (Skip/Search)
- Skips forward.
- Searches for a section within a file.
- Selects the radio stations.

3 >|| (Play/Pause)
- Starts or pauses playback.
- Selects Stereo/Mono (Horizon mode Only)

4 |<< (Skip/Search)
- Skips backward.
- Searches for a section within a file.
- Selects the radio stations.

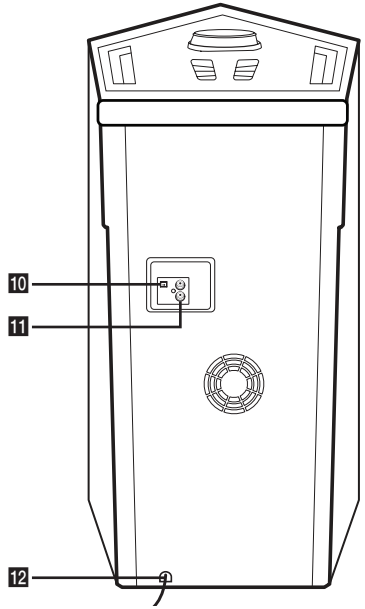
5 **+/-** (Volume)
Adjusts speaker volume.

6 **F** (Function)
Selects the function and input source.

7 ⏻/| (Standby/On)

8 **MIC** (Microphone) **1 / 2** jack

9 Remote control receiver



10 **FM ANTENNA**

11 **AUX IN (L/R)**

12 Power cord

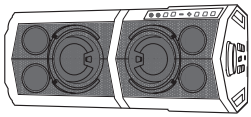
How to place the unit

Automatically optimize the sound

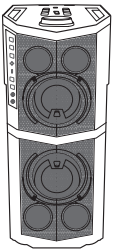
It helps automatically optimize the sound to suit the installation conditions (Horizontal or Vertical).

If the installation method is changed ('Horizontal → Vertical' or 'Vertical → Horizontal'), it indicated by 'VERTICAL MODE' or 'HORIZON MODE' in the display panel.

Horizontal



Vertical



Note

On the horizon mode, press ▶/II on the remote control to change the tuner from mono to stereo.

Caution

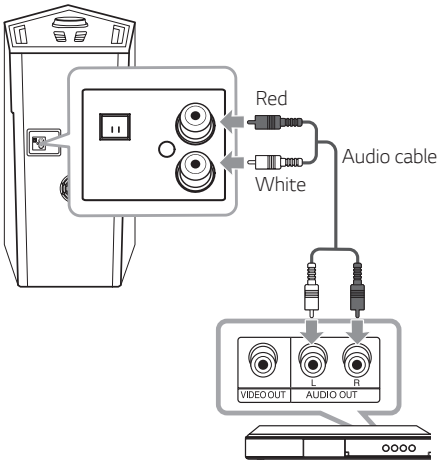
- Do not sit on the unit or push the unit. Otherwise it may result in malfunction and causing personal injury and/ or property damage.
- Do not place the unit on an unstable position and place the unit at a safe distance from the child's reach.
- Be careful that the unit should not fall down. Otherwise it may result in malfunction and causing personal injury and/ or property damage.
- Watch out the foot when you lay the unit in horizontally.

Optional Equipment Connection

AUX IN Connection

Connect an output of auxiliary device (Camcorder, TV, Player, etc) to the **AUX IN** (L/R) connector.

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

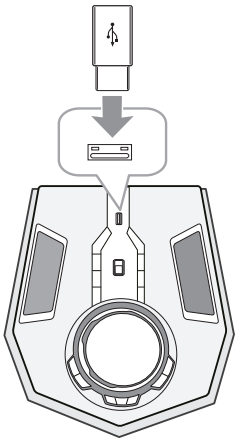


DVD, Blu-ray player etc.

USB Connection

Connect a USB device (or MP3 player, etc.) to the USB ports on the unit.

USB device



Note

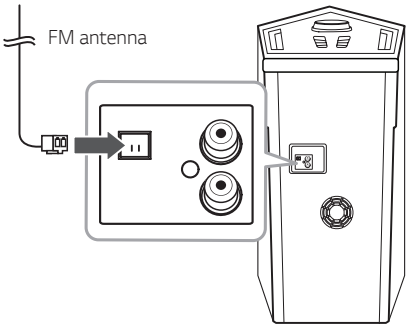
Removing the USB device from the unit :

1. Choose a different function.
2. Remove the USB device from the unit.

Antenna Connection

Connect the supplied FM antenna for listening to the radio.

Connect the FM wire antenna to the FM antenna connector.



Note

Be sure to fully extend the FM wire antenna.

Basic Operations

USB Operations

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

To	Do this
Playback	Press ▶/❚❚ on the remote control or ▶❚❚ on the unit.
Pause	Press ▶/❚❚ on the remote control or ▶❚❚ on the unit during playback.
Searching for a section within a file	Press and hold ⏮/⏭ on the remote control or ❙≪/≫❙ on the unit during playback and release it at the point you want to listen to.
Selecting a file directly	Press **0** to **9** numerical buttons on the remote control to go to the desired file directly.
Skipping to the next/ previous file	By using ⏮/⏭ buttons : Press ⏭ on the remote control or ≫❙ on the unit to go to the next file. Playing less than 2 seconds, press ⏮ on the remote control or ❙≪ on the unit to go to the previous file. Playing after 3 seconds, press ⏮ on the remote control or ❙≪ on the unit to go to the beginning of the file.
Playing repeatedly or randomly	Press **REPEAT** on the remote control repeatedly. Refer to the note for details about the display change RPT1 -> RPT*DIR -> RPT ALL -> RANDOM -> OFF *DIR : Directory.

Note

- When you play JUKE BOX list, only RPT 1 and RPT ALL are available.
- Even after restarting the unit or switching one function to another, you can listen to music from the point where it's last been played.

Selecting a folder and an MP3/WMA file

On the unit

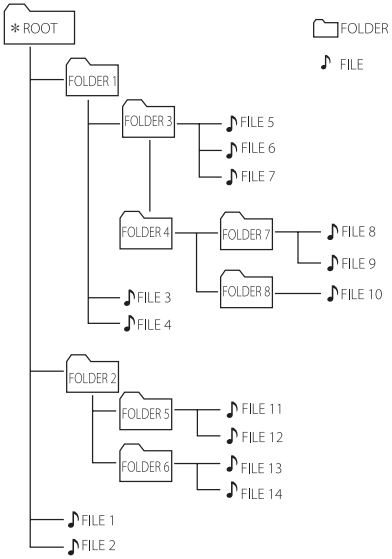
1. Press **SEARCH** and rotate **SCRATCH / SEARCH & LEVEL CONTROL** until a desired file appears. You can also search a folder if you press **SEARCH** again.
2. Press **OK** or **>II** to play the selected file. When you search a folder, press **OK** to select a file in the folder, then press **OK** or **>II** again. The selected file is played.

On the remote control

1. Press **PRESET·FOLDER Λ/V** on the remote control repeatedly until a desired folder appears.
2. Press ▶/II to play it. The first file of folder will play

Note

- USB 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 → FOLDER 1 → FOLDER 3 → FOLDER 7 → FOLDER 8 → FOLDER 5 → FOLDER 6
- 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 is "ROOT".

Deleting an MP3/WMA file

You can delete file, folder or format by pressing **DELETE**.

1. -Select the file you want to delete and press **DELETE**.

   -Select the folder you want to delete by pressing **PRESET·FOLDER** Λ/V on the remote control and press **DELETE**.

   Or

   Press **DELETE** repeatedly during selecting the MP3/WMA file.

   The display changes in the following order.

   - DEL FILE : Deletes file
   - DEL DIR : Deletes folder
   - FORMAT : Formats USB

   If you want to exit the current mode, press **DELETE** repeatedly until "FORMAT" appears, and then press **DELETE** once again.

2. To delete file/folder or format, press and hold **DELETE.**

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 status. (lock, etc.)

Playback Effect

The unit supports various sound and playback effects : DJ EFFECT, SCRATCH, DJ PRO, AUTO DJ.

DJ EFFECT

It allows you to enjoy DJ EFFECT such as Flanger/ Phaser/Wah/Delay sound effect.

1. Press **DJ EFFECT** to select a desired DJ EFFECT (FLANGER, PHASER, WAH, DELAY, DJ OFF).
2. Turn **SCRATCH / SEARCH & LEVEL CONTROL** clockwise or counterclockwise to adjust the DJ EFFECT level between 0 to 15.

Note

- The DJ EFFECT mode is displayed for 3 seconds when a **DJ EFFECT** Key is inputted.
- The current gage level is displayed when adjusting gage.
- If the function changed or the unit is turned off and on, DJ EFFECT mode with DJ EFFECT is turned off.

SCRATCH Effect

You can output and mix the sound effects of the SCRATCH.

Rotating **SCRATCH / SEARCH & LEVEL CONTROL** to mix the scratch sound.

- You can hear effect of scratch sound depending on the direction in which you rotate **SCRATCH / SEARCH & LEVEL CONTROL**.

AUTO DJ

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

Press **AUTO DJ** on the remote control repeatedly, the display changes as followings.

AUTO DJ RANDOM -> AUTO DJ SEQUENTIAL -> AUTO DJ OFF

Mode	Display Window	Description
OFF	AUTO DJ OFF	-
RANDOM	AUTO DJ RANDOM	The music is played randomly on this mode.
REPEAT	AUTO DJ SEQUENTIAL	The music is played repeatedly on this mode.

Note

- AUTO DJ mode does not support searching for a section within a file or to play repeatedly or randomly.
- If you move to other functions on AUTO DJ mode, JUKE BOX mode, Delete mode or AUTO DJ will be disable.
- AUTO DJ is not supported in the music file whose length is less than 60 seconds.
- Only AUTO DJ SEQUENTIAL is selected when played JUKE BOX list.

DJ PRO

It allows you to mix CLUB, DRUM or USER sound effect. Each mode has up to 3 sounds effect.

1. Press and hold **DJ PRO (CLUB, DRUM or USER)** to select a desired DJ PRO sound effect.
2. Press a **DJ Pro. Pad (1, 2, 3)** of desired sound.

Note

- If you want to use USER, you have to register a source with “Music Flow Bluetooth” app. If the source is not register to USER, “EMPTY” or “NO SOUND” appears on the display window.
- Initial DJ Pro mode is CLUB sound effect.
- DJ Pro mode is displayed for 3 seconds when you press **DJ PRO (CLUB, DRUM or USER)**.
- The DJ PRO sound is mixed when you press a **DJ Pro. Pad (1, 2, 3)**.
- The currently playing DJ PRO sound is stopped and the selected DJ PRO sound outputs if you press a different **DJ Pro. Pad (1, 2, 3)** while DJ PRO sound is playing.

Using 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)

Codec : SBC

Listening to music stored on the Bluetooth devices

Pairing your unit and Bluetooth device

Before you start the pairing procedure, make sure the **Bluetooth** feature is activated on 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. Turn on the unit.
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 FH6 (XX)".

Note

- XX means the last two digits of **Bluetooth** address. For example, if your unit has a **Bluetooth** address such as 9C:02:98:4A:F7:08, you will see "LG FH6 (08)" on your **Bluetooth** device.
- Depending on the **Bluetooth** device type, some devices may have a different pairing process. Enter the PIN code (0000) as needed.
- You can connect this unit with up to 3 **Bluetooth** devices simultaneously using the same method as described above, only in the **Bluetooth** function.
- The multi pairing connection is only supported on Android or iOS devices. (Multi pairing connection may not be supported depending on the connected device specifications.)
- Removable/detachable **Bluetooth** devices (Ex: Dongle etc.) will not support multi pairing.

3. When this unit is successfully connected with your **Bluetooth** device, "PAIRED" appears on the display window and change to **Bluetooth** device name soon. Then "BT" will be appeared on the display window.

Note

- "PAIRED" will momentarily appear on the display when you connect other devices for multi pairing.
- If the device name is unavailable, "_" will be displayed.

4. Listen 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 and keep the distance.
  However, it may not work well in certain situations as described below :
  - There is a 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.
- Even if this unit connected up to 3 **Bluetooth** devices in the **Bluetooth** mode, you can play and control music by using only one of the connected devices.

Controls connected Bluetooth device

You can control connected **Bluetooth** device by the unit; play, pause, skip.

Note

- Only Android OS and iOS is available to use this function.
- This function may not be supported depending on the **Bluetooth** device, or operated differently.

Note

- When this unit connected with multiple **Bluetooth** devices, only one device which you are playing keeps **Bluetooth** connection when you change the function to the others.
- The sound may be interrupted when the connection has interference from other electronic devices.
- You may not control the **Bluetooth** device with this unit.
- 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.
- The more distance between the unit and the **Bluetooth** device, the lower the sound quality becomes.
- **Bluetooth** connection will be disconnected when the unit is turned off or the **Bluetooth** device gets far from the unit.
- When **Bluetooth** connection is disconnected, connect the **Bluetooth** device to the unit again.
- When a **Bluetooth** device is not connected, “BT READY” appears on the display window.
- When you use the BT function, adjust the volume to a proper level on the **Bluetooth** device.
- If it is not in the BT function, only one device can be connected.
- If a **Bluetooth** device is connected when using LG TV, LG TV is disconnected and the **Bluetooth** device is connected.
- When you connect **Bluetooth** device (iOS device etc.) to this unit or operate the device, the volume level can be synchronized with each other.

Using the Music Flow Bluetooth App

Note

- Only Android OS is available to use "Music Flow Bluetooth" app with this unit.
- It is recommended to use the latest version of app.

About "Music Flow Bluetooth" App

"Music Flow Bluetooth" app brings a suite of new features to this unit.

To enjoy more features, you are recommended to download and install free "Music Flow Bluetooth" app.

Here is introduce a few of the many features of "Music Flow Bluetooth" app.

Multi Juke box : Your entertainment increases three fold when you connect up to 3 **Bluetooth** phones at the same time. Play music from all three phone and create a customized playlist from all the phones.

Sampler Creator : Record effects on your smartphone and very simply sync them via **Bluetooth** to the system. Be as creative as you can be.

Install "Music Flow Bluetooth" App onto Your Bluetooth Device

There are two ways to install "Music Flow Bluetooth" App onto Your **Bluetooth** Device.

Install "Music Flow Bluetooth" App through QR code

1. Install "Music Flow Bluetooth" app through QR code. Use the scanning software to scan the QR code.

2. Tap an icon for installation.
3. Tap an icon for downloading.

Note

- Make sure that your **Bluetooth** device is connected to the Internet.
- Make sure that your **Bluetooth** device has a scanning software application. If you don't have one, download one from "Google Android Market (Google Play Store)".
- Depending on the area, QR code may not work.

Install "Music Flow Bluetooth" App through "Google Android Market (Google Play Store)"

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

Note

- Make sure that your **Bluetooth** device is connected to the Internet.
- Make sure that your **Bluetooth** device is equipped with "Google Android Market (Google Play Store)".

Activate Bluetooth with “Music Flow Bluetooth” App

“Music Flow Bluetooth” app helps to connect your **Bluetooth** device to this unit.

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

Note

- “Music Flow Bluetooth” app will be available in the software version as follow;
  - Android O/S : Ver 4.0.3 (or later)
- If you use “Music Flow Bluetooth” app for operation, there would be some differences between “Music Flow Bluetooth” app and the supplied remote control. Use the supplied remote control as necessary.
- Depending on the **Bluetooth** device, “Music Flow Bluetooth” app may not work.
- After connection of “Music Flow Bluetooth” app, music may be output from your device. In this case, try connecting procedure again.
- If you operate the other applications or change the settings on your **Bluetooth** device while using “Music Flow Bluetooth” app, “Music Flow Bluetooth” app may operate abnormally.
- When “Music Flow Bluetooth” app operates abnormally, check your **Bluetooth** device and the connection of “Music Flow Bluetooth” app and then try to connect again.
- Depending on the smart phone's operating system, you have some differences for “Music Flow Bluetooth” operation.
- Check **Bluetooth** setting on your **Bluetooth** device if “Music Flow Bluetooth” app connection does not work well.

Radio Operations

Be sure that both FM antenna is connected. (Refer to page 15)

Listening to the radio

1. Press **F** on the remote control or on the unit until FM appears in the display window.
   The last received station is tuned in.
2. Auto tuning :
   Press and hold **TUNING-/+** on the remote control or **I<<** / **>>I** on the unit for about two seconds until the frequency indication starts to change, then release. Scanning stops when the unit tunes in a station.

   Or

   Manual tuning :
   Press **TUNING-/+** on the remote control repeatedly or **I<<** / **>>I** on the unit.
3. Adjust the volume by rotating volume knob on the unit or by pressing **VOL +/-** on the remote control repeatedly.

Improving poor FM reception

Press **>II** on the unit or **▶/II** on the remote control. This will change the tuner from stereo to mono and usually improve the reception. (Horizon mode only)

Presetting the Radio Stations

You can preset 50 stations for FM.

Before tuning, make sure to turn down the volume.

1. Press **F** on the remote control or on the unit until FM appears in the display window.
2. Select the desired frequency by pressing **TUNING -/+** on the remote control or **I<<** / **>>I** on the unit.
3. Press **JUKEBOX/MEMORY** on the remote control. A preset number will blink in the display window.
4. Press **PRESET·FOLDER Λ/V** on the remote control to select the preset number you want.
5. Press **JUKEBOX/MEMORY** on the remote control. The station is stored.
6. Repeat steps 2 to 5 to store other stations.
7. To listen a preset station, press **PRESET·FOLDER Λ/V** or **0** to **9** numerical buttons on the remote control.

Deleting all the saved stations

1. Press and hold **JUKEBOX/MEMORY** on the remote control for two seconds.
   "ERASEALL" will flash up on the unit display.
2. Press **JUKEBOX/MEMORY** on the remote control to erase all the saved radio stations.

Sound adjustment

Setting the sound mode

This system has a number of pre-set surround sound fields. The displayed items for the Equalizer may be different depending on sound sources and effects.

You can select a desired sound mode by using **SOUND EFFECT** on the remote control.

On Display	Description
BASS (BASS BLAST)	Reinforces the treble, bass and surround sound effect.
POP CLASSIC ROCK JAZZ	This program lends an enthusiastic atmosphere to the sound, giving you the feeling you are at an actual rock, pop, jazz or classic concert.
STANDARD	You can enjoy optimized sound.

Note

- By pressing and holding **USER EQ / BASS BLAST** for 3 seconds on the unit you can directly select BASS (BASS BLAST) effect.
- By pressing **BASS BLAST** on the remote control, you can directly select BASS (BASS BLAST) effect.

Setting the USER EQ

You can adjust the sound level of Bass, Middle and Treble as your preference.

1. Press **USER EQ / BASS BLAST** on the unit. "USER EQ" is displayed.
2. Press **USER EQ / BASS BLAST** repeatedly until desired setting appears in the display window.
3. Rotate **SCRATCH / SEARCH & LEVEL CONTROL** to adjust the value.

Advanced Operations

Recording to USB

You can record a various sound source to USB. (AUX, Tuner)

1. Connect the USB device to the unit.
2. Press **F** on the remote control or on the unit to select a function you want to record.
3. Start the recording by pressing **USB REC / DEMO** on the unit or **USB REC** on the remote control.

   To stop recording, press **USB REC / DEMO** on the unit or **USB REC** on the remote control again.

Pausing recording

During recording, press **>II** on the unit or **►/II** on the remote control to pause recording. Press it again to restart recording.

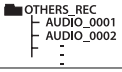
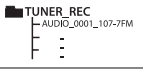
To select recording bit rate

1. Press and hold **USB REC / DEMO** on the unit or **USB REC** on the remote control for 3 seconds.
2. Press **I◄◄/►►I** on the remote control to select a bit rate.
3. Press **USB REC / DEMO** on the unit or **USB REC** on the remote control to finish the setting.

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

Note

- Do not remove the USB device or turn off the unit during USB recording. If does not, an incomplete file may be made and not deleted on PC.
- If USB recording does not work, the message like "NO USB", "ERROR", "USB FULL", "NOT SUPPORT" or "FILE MAX" 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 about 512 Mbyte when you record for a long term.
- You can record various sound using DJ EFFECT, SCRATCH, DJ PRO or MIC.
- You can control recorded MIC sound according to MIC volume.
- You may not store more than 2000 files.
- It'll be stored as follows.

AUX	Tuner
	

Tuner : The current recording frequency is shown.

JUKE BOX Playback

JUKE BOX function enables you to make a playlist of your favorite files from a USB device. A playlist of up to 100 files can be entered.

Making JUKE BOX list

1. Press and hold **JUKEBOX / MEMORY** on the remote control to enter the edit mode. (Playing will be stopped when you press the button.)
2. Select a file by pressing **I◀◀ / ▶▶I** on the remote control or by turning **SCRATCH / SEARCH & LEVEL CONTROL** on the unit.
3. Press **JUKE BOX / MEMORY** to save the file.
4. Repeat steps 2 - 3 to store other files. (You can modify the list by pressing **PRESET·FOLDER Λ/V** on the remote control to select the JUKE BOX program number.)
5. Press **JUKE BOX / MEMORY** once again.

To play the JUKE BOX list, press **▶/II** after you make the list.

Note

When making or modifying the JUKE BOX list, REPEAT mode is off.

Enjoying JUKE BOX

Press **JUKE BOX / MEMORY** once. "JUKE BOX ON" appears on the display window. To play JUKE BOX list, press **▶/II** on the remote control or **>II** on the unit.

To cancel it, press **JUKE BOX / MEMORY** once. "JUKE BOX OFF" appears on the display window.

Editing JUKE BOX

1. Press and hold **JUKE BOX / MEMORY** on the unit to enter the edit mode. (Playing will be stopped when you press the button.)
2. Press **PRESET·FOLDER Λ/V** on the remote control to select a file to edit.
3. Press **I◀◀ / ▶▶I** on the remote control to save the file.
4. Press **JUKE BOX / MEMORY**.
5. Repeat 2 to 3 to store the other files.
6. Press **JUKE BOX / MEMORY** once again.

To play the JUKE BOX list, press **▶/II** after you edit the list.

Deleting JUKE BOX list

Deleting function only works in the edit mode.

1. Press and hold **JUKE BOX / MEMORY** on the remote control to enter the edit mode.
2. Select a song by pressing **PRESET·FOLDER Λ/V** on the remote control repeatedly.
3. Press **DELETE** while a song is selected.

Note

- If there is no JUKE BOX list, "JUKE BOX NONE" appears on the display window when you press **JUKE BOX / MEMORY**.
- JUKE BOX is switched off in the case below.
  - Changing to a different function.
  - Turning off and on the unit.
  - Operating the numerical buttons on the remote control.
  - Playing a file by using **SEARCH** and **SCRATCH / SEARCH & LEVEL CONTROL**.
- JUKE BOX list is cleared in the case below.
  - Removing the USB device.
  - Deleting or recording music files in the USB device.

Other Operations

Turn off the sound temporarily

Press on the remote control to mute your sound.

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

To cancel it, press again or change the volume level.

Displaying file information (ID3 TAG)

While playing an MP3 file containing file information, you can display the information by pressing **INFO**.

DEMO

In the power off state, press **USB REC / DEMO** on the unit once. The unit will power on and display the each of functions with demo sound in the display window. To cancel the DEMO function, press **USB REC / DEMO** once more.

Note

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

Using Microphone

1. Connect your microphone to the MIC jack.
2. Play the music you want.
3. Sing along with the accompaniment. Adjust the microphone volume by pressing **MIC VOL +/-** button on the unit.

Note

- When not using the microphone, set the **MIC VOL** to minimum or turn off the MIC and remove the microphone from the MIC jack.
- If the microphone is set too near the speaker, a howling sound may be produced. In this case, move the microphone away from the speaker or decrease the sound level by using the **MIC VOL.**
- If sound through the microphone is extremely loud, it may be distorted. In this case, press **MIC VOL** to minimum.
- If your microphone's sound feels not loud though MIC VOL is max, you can adjust only audio source volume lower.
  - Follow below step.
    1. Press and hold **VOICE CANCELLER** on the unit.
    2. Reduce Audio Source Volume by rotating **SCRATCH / SEARCH & LEVEL CONTROL** counter-clockwise on the unit. To initialize it, power off.

VOICE CANCELLER

You can enjoy the function while playing the music, by reducing singer vocal of music in the various source.

Press the **VOICE CANCELLER** and "ON" will appear in display window.

To cancel it, press **VOICE CANCELLER** again.

The quality of the VOICE CANCELLER may be different depending on the recording conditions of music files.

Note

- This function is available USB or BT (Bluetooth) Function.
- If the function is not available, "NOT SUPPORT" appears in the display window.
- This function is available to use only when a microphone is connected.
- If a microphone is not connected, "NOT SUPPORT" appears in the display window.
- It is not available on the MONO source.
- To initialize it, change the Function or disconnect the microphone.
- This function may not be initialized depending on the status of connected devices.

KEY CHANGER

You can adjust the key to 9 steps (4 steps higher, 4 steps lower and the original key).

- To sharp the key one by one, press the KEY CHANGER(♯) repeatedly during playback.
- To flatten the key one by one, press the KEY CHANGER(♭) repeatedly during playback.

Note

- This function is available USB or BT (Bluetooth) Function.
- If a microphone is not connected, "NOT SUPPORT" appears in the display window.
- To initialize it, change the Function, disconnect the microphone or change the music.
- This function may not be initialized depending on the status of connected devices.

LIGHTING effect

This function offers a party atmosphere by operating the lighting on the unit.

Press **LIGHTING** on the remote control or on the unit.

RHYTHM → PARTY → FIREWORK → SPACE → WATER → FOREST → CITYGLOW → (MYSTYLE) → OFF

Note

- If you want to enjoy the dynamic lighting effect, select the RHYTHM or the PARTY.
- Lighting function is available in all functions.
- Lighting mode retains its previous mode when you first press **LIGHTING**, press again to change modes.
- If you want to use MYSTYLE, you have to register a source with "Music Flow Bluetooth" app.
- On the lighting mode, you can select the mode by using **SCRATCH / SEARCH & LEVEL CONTROL**.
- Press and hold **LIGHTING** button to turn on/off the Flash Lighting.

Setting the Clock

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

Setting the Clock through "Music Flow Bluetooth" App

Install "Music Flow Bluetooth" app on your Android device. (Refer to page 22)

Your unit's clock will be automatically synchronized with your device by activating **Bluetooth** connection through "Music Flow Bluetooth" app.

Using your player as an alarm clock

1. Turn the unit on.
2. Press and hold **ALARM**.
3. Press ⏮ / ⏭ on the remote control to change the hours and minutes and press **SET** to save.
4. Press ⏮ / ⏭ on the remote control to select function and press **SET** to save.
   - Press ⏮ / ⏭ on the remote control to select a memory No. when you select Tuner and then, press **SET**.
     If there is no memory No., this step is skipped.
5. Press ⏮ / ⏭ on the remote control to change the volume and press **SET** to save.

Note

- If you set the clock time, you can check the time by pressing **CLOCK** even when the player is turned off.
- You can set alarm after you set the clock time.
- If you set the clock time and alarm, you can check the alarm setting information by pressing **ALARM** even when the unit is turned off.
- You can select ALARM ON/OFF mode by pressing **ALARM**.

Sleep Timer Setting

Press **SLEEP** on the remote control repeatedly to select delay time between 10 and 180 minutes. After the delay time, the unit will be turned off.

To cancel the sleep function, press **SLEEP** on the remote control repeatedly until "SLEEP 10" appears, and then press **SLEEP** on the remote control once again while "SLEEP 10" is displayed.

Note

- You can check the remaining time before the unit is turned off.
- Press **SLEEP** to check or change the remaining time.

Dimmer

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

Note

All the LED turns off when Dimmer is being operated.

Auto power down

This unit will turn itself off to save electricity in the case were the main unit is not connected to an external device and is not used for 20 minutes.
The unit will also turn itself off after six hours if the Main unit has been connected to another device using the analog inputs.
Auto power down function is applied to only MASTER unit in case of Wireless Party Link connection. In case of SLAVE unit, Auto power down is available after disconnection SLAVE unit and MASTER unit.

How to disconnect the wireless network connection or the wireless device.

Turn off the unit by pressing the power button for more than 5 seconds.

AUTO POWER On

This unit automatically turns on by an input source : LG TV or **Bluetooth**

If you try to connect your **Bluetooth** device, this unit turns on and connects your **Bluetooth** device. You can play your music.

Note

- Depending on the connected device, this function may not operate.
- Depending on the connected device, the unit turns on but **Bluetooth** function may not be connected.
- If you disconnect **Bluetooth** connection by this unit, some **Bluetooth** devices try to connect to the unit continually. Therefore it is recommended to disconnect the connection before turning off the unit.
- If you try to connect to the "Music Flow Bluetooth" app, **Bluetooth** function of this unit is turned on.
- If you turn on the unit using LG TV or **Bluetooth** function, proper function of this unit is turned on.
- If you have already paired with this unit, automatically this unit can turn on by an input source when this unit is turned off.
- If you turn off the unit by pressing the power button for more than 5 seconds, Auto Power On function is disabled. To activate it, turn on the unit.

Auto function change

This unit recognizes input signals such as **Bluetooth** and LG TV, and then changes suitable function automatically.

When you try to connect Bluetooth device

When you try to connect your **Bluetooth** device to this unit, **Bluetooth** function is selected. Play your music on the **Bluetooth** device.

When LG TV is connected

When you turn on your LG TV connected by LG Sound Sync, this unit changes the function to LG TV. You can hear the sound from your TV.

Note

- This function is not available during recording or deleting.
- This function only works with devices that were previously connected.

LG Sound Sync



You can control some functions of this unit by your TV's remote control with LG Sound Sync. It is compatible with LG TV that supports LG Sound Sync. Make sure your TV has the LG Sound Sync logo.

Controllable function by LG TV's remote control : Volume up/down, mute

Refer to the TV's instruction manual for the details of LG Sound Sync.

1. Turn on the unit by pressing ⏻ on the remote control or ⏻/❙ on the unit.
2. Press **F** on the remote control or on the unit until LG TV function is selected.
3. Set up the sound output of TV to listen to the sound through this unit :
   TV setting menu [Sound] → [TV Sound output] → [LG Sound Sync (Wireless)]

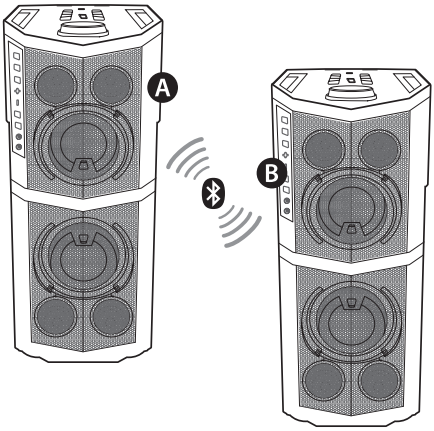
   "PAIRED" appears on the display window for about 3 seconds and then you can see "LG TV" on the display window if the TV and this unit are connected normally.

Note

- You can also use the remote control of this unit while using LG Sound Sync. If you use TV's remote control again, the unit synchronizes with the TV.
- If the connection fails, check the conditions of this unit and your TV : power, function.
- Make sure of the condition of this unit and the connection in the cases below when using LG Sound Sync.
  - Turn off the unit.
  - Changing to a different function.
  - Disconnecting the wireless connection caused by interference or a distance.
- The amount of time to turn off this unit is different depending on your TV.
- If you try to change the function on using the LG TV function, volume will be change according to the LG TV volume level.
- Details of TV setting menu vary depending on the manufacturers or models of your TV.
- If you connect LG Sound Sync when "Music Flow Bluetooth" app is connected, control through the app is available.
- If you turned off the unit directly by pressing ⏻ on the remote control or ⏻/❙ on the unit, LG Sound Sync will be disconnected. To use this function again, you should reconnect the TV and the unit.
- If an LG TV is connected when using **Bluetooth**, **Bluetooth** is disconnected and the LG TV is connected.
- The volume may be increased when the TV and this unit is connected by LG Sound Sync. Decrease the TV volume and then connect with this unit.

Wireless Party Link Connection

The output sound of Ⓐ (MASTER) unit is expanded to Ⓑ (SLAVE) unit.
It is compatible with unit that supports Wireless Party Link.



1. Press **WIRELESS LINK** on the unit. PARTY LINK MODE SELECT appears in the display window.
2. Rotate **SCRATCH / SEARCH & LEVEL CONTROL** on the unit or press I◁◁ / ▷▷I on the unit to select MASTER or SLAVE.
   - Ⓐ unit : Selects MASTER.
   - Ⓑ unit : Selects SLAVE.

   Two units try to connect with each other.
3. When this unit is successfully connected each other, "Slave Device Name CONNECTED" appears in the MASTER unit. "CONNECTED TO Master Device Name" appears in the SLAVE unit and change to SLAVE soon.

Note

- If you using the LG Sound Sync, this function is not available. If you connect the LG TV Function, "NOT SUPPORT" appears in the display window.
- You can use microphone in the SLAVE unit only. In case of SLAVE unit, some functions are supported only.
- When Wireless Party Link is disconnected, SLAVE unit is changed to BT function.
- If the connection is failed, "FAILED" appears in the display window.
- Mute function is synchronized with each other.
- Wireless Party Link connection will be disconnected when you turn off the unit or press **WIRELESS LINK** on the unit.
- MASTER unit and SLAVE unit may be different depending on playback status, source or setting.
- Check the following information when connecting to **Bluetooth**.
  - You can connect only one **Bluetooth** device in the MASTER unit. You cannot connect **Bluetooth** device to the SLAVE unit.
  - Wireless Party Link connection is only supported on Android or iOS devices. (Wireless Party Link connection may not be supported depending on the connected device specifications or OS.)
  - Removable/detachable **Bluetooth** devices (ex. Dongle etc.) will not support Wireless Party Link connection.
  - When Wireless Party Link is connected, **Bluetooth** connection is not available in status of recording or deleting.

Troubleshooting

General

Problem	Cause & Solution
The unit does not work properly.	• Turn off the power of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and turn it on again. • Disconnect the power cord of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and then try connecting again. • Previous setting may not be saved when device power is shut off.
No Power.	• The power cord is not plugged in. Plug in the power cord. • Check whether electricity failed. Check the condition by operating other electronic devices.
No sound.	• Check whether you select right function. Press function button and check the selected function.
Radio stations cannot be tuned in properly.	• The antenna is positioned or connected poorly. Connect the antenna securely. • The signal strength of the radio station is too weak. Tune to the station manually. • No stations have been preset or preset stations have been cleared (when tuning by scanning preset channels). Preset some radio stations, see page 24 for details.
The remote control does not work properly.	• The remote control is too far from the unit. Operate the remote control within about 23 ft (7 m). • There is an obstacle in the path of the remote control and the unit. Remove the obstacle. • The batteries in the remote control are exhausted. Replace the batteries with new ones.
No light.	• Check the light effects by pressing **LIGHTING**.
LG Sound Sync does not work.	• Check whether your LG TV supports LG Sound Sync. • Check connection of LG Sound Sync. • Check sound setting of your TV and this unit.

General specifications

General	
Power requirements	Refer to the main label on the unit.
Power consumption	Refer to the main label on the unit.
	Networked standby : 0.5 W (If all network ports are activated.)
Dimensions (W x H x D)	Approx. 818 mm x 318 mm x 388 mm
Net Weight	Approx. 17.2 kg
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	60 %

Inputs	
Analog audio in (AUX IN)	1.2 Vrms (1 kHz, 0 dB), 600 Ω, RCA jack (L, R)
Microphone (MIC 1/2)	Sensitivity 15 mV (1 kHz), 6.3 mm jack x 2

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

System	
Frequency Response	80 to 20,000 Hz
Signal-to-noise ratio	More than 75 dB
Dynamic range	More than 80 dB
Bus Power Supply (USB)	5 V ⎓ 1 A

Amplifier (RMS Output power)	
Total output	600 W
Front	300 W × 2 (4 Ω at 1 KHz, 10 % THD)

- 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.

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