



OWNER'S MANUAL

HIGH POWER SPEAKER SYSTEM

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

MODEL
RK8



MFL69941712

www.lg.com

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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 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

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

Check the specification page of this owner's manual to be certain of the current requirements.

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 device, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the device, 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 device.

This device is equipped with a portable battery or accumulator.

How to Safely remove the batteries or the battery pack from the equipment:

To Remove the old batteries or battery pack, follow the assembly steps in reverse order. To prevent contamination of the environment and bring on possible threat to human and/or animal health, the old batteries or the battery pack must be put in an appropriate container at designated collection points. Do not dispose of batteries or battery pack together with other waste. It is recommended that you use local, free reimbursement systems batteries or battery packs, (may not be available in your area). The batteries or the battery pack should not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION: No naked flame sources, such as lighted 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.
I	Refers to "ON" (power).
⚡	Refers to dangerous voltage.

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Unique Features

BLUETOOTH®

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

Portable In

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

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.
(Page 24)

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

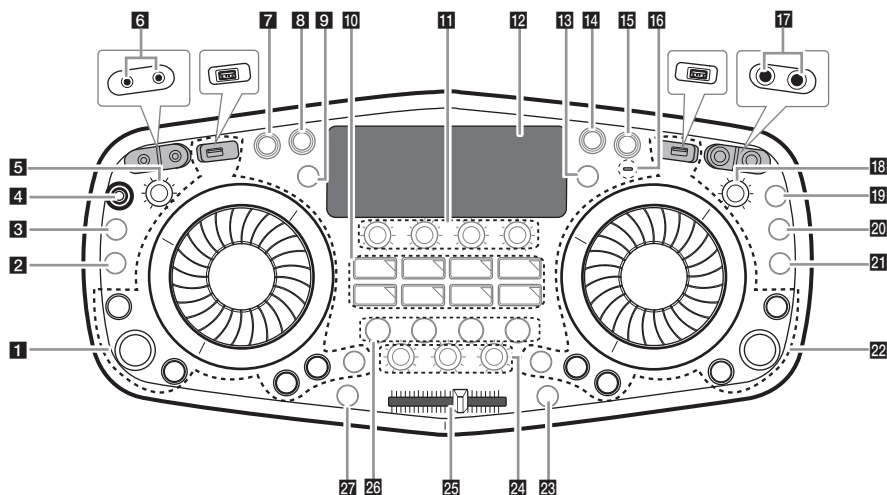
Compatible USB Devices

- 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.

Front panel



1 SIDE A/1

USB 1 Port

You can play sound files by connecting the USB device.

DJ SCRATCH / SEARCH & MULTI knob (1)

- Turns clockwise or counterclockwise to make scratch sound.
- Searches a file or folder.
- Selects lighting mode.
- Chooses a preset number.

⏮ / ⏭ (Skip/Search)

- Skips backward or forward.
- Searches for a section within a file.
- Selects the radio stations.

⏮ (Play / Pause)

- Starts or pauses playback.
- Selects stereo/mono.

OK / INFO

- Selects a folder when searching a file.
- Press and hold the **OK/INFO** button to see information about your music. An MP3 file often come with ID3 tag. The tag gives the Title, Artist, Album or Time information.
- Press and hold the **OK/INFO** button to see Bluetooth device name of the unit in **BLUETOOTH READY**.
- Press and hold the **OK/INFO** button to see the name of connected all Bluetooth device in Bluetooth mode.

SEARCH

Searches to the next/previous file or next/previous folder by pressing **SEARCH** repeatedly. (USB 1 only)

DJ LOOP

Selects DJ LOOP mode (USB 1 only).
(DJ LOOP mode can use during USB playback.)

2 PRESET

Press to store /search / delete radio stations.
(Chooses a preset number of a radio station with **DJ SCRATCH / SEARCH & MULTI** knob.)

3 H/P MODE

Press to select a headphone monitor mode.

4 ANTENNA (FM)

5 H/P VOLUME

Adjusts headphone's volume.

6 (Headphone) jack

PORT. (Portable) **IN** jack

7 (Standby)

Turns the power on or off.

8 USB REC / DEMO

- Records to USB.
- To stop recording, press and hold for 3 seconds.
- In power off status, if you press **USB REC / DEMO**, show DEMO mode.

9 LIGHTING

- Selects the lighting effects.
- Press and hold to turn on / off the Flash Lighting.

10 / CLUB, / DRUM, / USER (DJ PRO)

Selects CLUB, DRUM or USER sound effect to mix.

(If you want to use USER, you have to register a source with "Music Flow Bluetooth" app.)

1, 2, 3, 4, 5, 6, 7, 8 (DJ PRO PAD)

Press a desired sound pad.

11 DJ EFFECT LEVEL

Selects a desired DJ EFFECT LEVEL.

BASS / MIDDLE / TREBLE (USER EQ)

Selects the sound effect created by your own.

12 Display window**13 AUTO DJ / REPEAT**

Selects the AUTO DJ mode or listens to the files repeatedly or randomly.

14 F (Function)

Selects the function and input sources.

Input source / Function	Display
USB	USB1 / USB2
Portable input	PORTABLE
Bluetooth	BLUETOOTH
LG Sound Sync (Wireless)	LG TV
Radio	RADIO (FM)

15 WIRELESS LINK

- Selects MAIN or OTHER on WIRELESS PARTY LINK mode.
- Enable or disable WIRELESS PARTY LINK mode.

16 CHARGE

Battery charging indicator

17 MIC (Microphone) 1 / 2 jack**18 MIC (Microphone) VOLUME**

Adjusts microphone volume.

19 ECHO

Selects ECHO mode.

20 VOCAL EFFECTS

Selects VOCAL EFFECTS mode.

21 VOICE CANCELLER

You can reduce the vocal tones during music playback from various input sources.

22 SIDE B/2

USB 2 Port

- You can play sound files by connecting the USB device.
- You can charge the mobile device through this port.

**Note**

- The mobile device can be charged only in standby mode.
- Some of the mobile devices may not be charged.

DJ SCRATCH / SEARCH & MULTI knob (2)

- Turns clockwise or counterclockwise to make scratch sound.
- Searches a file or folder.
- Selects lighting mode.
- Chooses a preset number

⏮ / ⏭ (Skip/Search)

- Skips backward or forward.
- Searches for a section within a file. (USB 2 only)

⏸ (Play / Pause)

Starts or pauses playback. (USB 2 only)

OK / INFO

- Selects a folder when searching a file.
- Press and hold the **OK/INFO** button to see information about your music. An MP3 file often come with ID3 tag. The tag gives the Title, Artist, Album or Time information.
- Press and hold the **OK/INFO** button to see Bluetooth device name of the unit in BLUETOOTH READY.
- Press and hold the **OK/INFO** button to see the name of connected all Bluetooth device in Bluetooth mode.

SEARCH

Searches to the next/previous file or next/previous folder by pressing **SEARCH** repeatedly (USB 2 only).

DJ LOOP

Selects DJ LOOP mode (USB 2 only).
(DJ LOOP mode can use during USB playback.)

23 MIX

Mixes audio sound.

24 TEMPO A / B

Adjusts TEMPO in USB function.

MASTER VOL.

Adjusts speaker volume.

25 CROSS FADER

Adjusts the sound volume of mixing files when using MIX on by pressing the **MIX**.

26 SOUND EFFECT / BASS BLAST

- Chooses sound impressions.
- Press and hold to select BASS effect directly.

DJ EFFECT

Selects a desired DJ EFFECT.

USER EQ

Selects the sound effect created by your own.

KEY CHANGER

Changes the key to suit your vocal range.

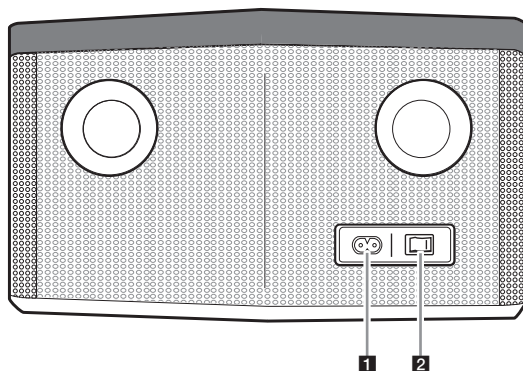
27 AUTO SYNC

When using MIX, you can synchronize the tempo of audio files being played in USB 1 and USB 2 by pressing **AUTO SYNC**.

Rear panel

1

Getting Started



- 1** AC in socket

**Note**

Fully charge the device before using.

- 2** Battery ON / OFF switch

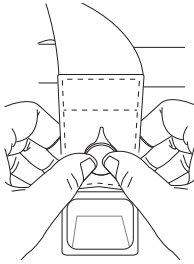
Switches the battery ON or OFF

(Battery can be charged even when this unit is in off (OFF) status.)

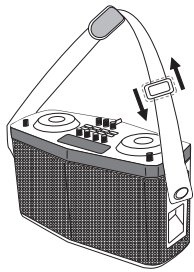
Carrying the unit

The unit has strap so you can easily move the unit.

1. Fit a strap in the hook of the unit.



2. Adjust the strap length.



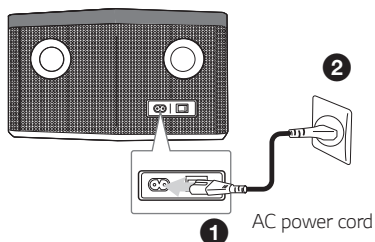
Caution

- Be careful it does not drop the unit when you carry it.
- Carry the unit, after then disconnect the connected cables.
- Do not place the unit in an unstable position. Place the unit at a safe distance from a child's reach.
- Be careful so that the unit does not fall down. Otherwise it may result in malfunction and cause personal injury and/or property damage.

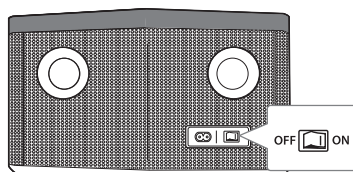
Power Connection

Connect this unit to the power supply with the supplied AC power cord.

1. Connect the supplied AC power cord to this unit.
2. Plug the AC power cord into an AC outlet.



3. Turn ON/OFF Switch on (ON).



! Note

- If the battery level is very low, this unit does not turn on even if you turn ON/OFF switch on (ON).
- When the battery level is low, this unit displays LOW BATTERY PLEASE CHARGE frequently. And if the battery level becomes even lower, this unit turns off automatically.
- Previous setting may not be saved when you turn ON/OFF switch off (OFF).
- Previous setting may not be saved when the unit's power is shut off due to low battery.

Charging Battery

This unit has a built-in battery.

- By connecting AC power, battery will start charging.
- If Battery charging indicator is in red, this means that battery is charging now.
- The red LED goes off if the battery is fully charged.
- If the battery is low, 'LOW BATTERY PLEASE CHARGE' is blinking 3 times per minute on a display window and red LED is blinking continually.
- Charge battery for about 14 hours before you start using this unit for the first time.

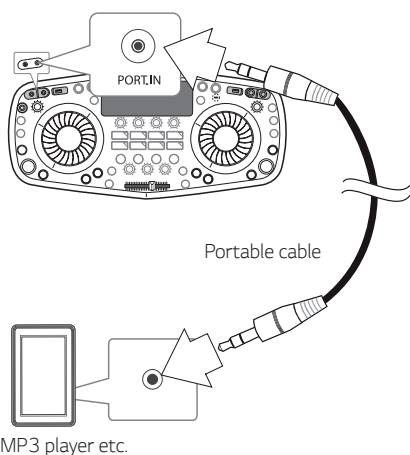
Note

- Operating time is approx. 10 hours.
(Based on fully charging the battery, continuous playback using 50 % volume level and lighting off status, EQ: Standard).
It may vary depending on the battery status and operational conditions.
- If you are listening to the music while charging, it will take longer to charge.
- Charge the battery fully during the recommended time after discharge.

Optional Equipment Connection


PORT. IN Connection

Connect an output (earphone or line out) of portable device (MP3 or PMP etc) to the **PORT. IN** (3.5 mm) connector.



Listening to music from your portable player or external device

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

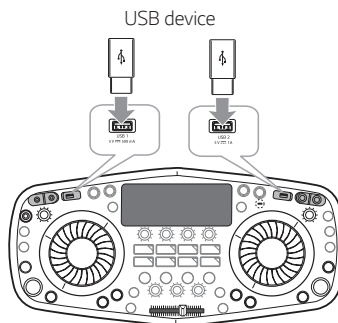
1. Connect the portable player to the **PORT. IN** connector of the unit.
2. Turn the power on by pressing .
3. Press **F** to select **PORTABLE** function.
4. Turn on the portable player and start it playing.

Note

Automatically switches to the **PORTABLE** function when you connect the portable device to the **PORT. IN** connector.

USB Connection

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



Note

Removing the USB device from the unit :

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

Basic Operations

USB Operations

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

To	Do this
Playback	Press ▶ on the unit.
Pause	Press ▶ on the unit during playback.
Searching for a section within a track/file	Press and hold ⏮/⏭ on the unit during playback and release it at the point you want to listen to.
Skipping to the next/previous track/file	Press ⏭ on the unit to go to the next file.
	Playing less than 2 seconds, press ⏮ on the unit to go to the previous file. Playing after 3 seconds, press ⏮ on the unit to go to the beginning of the file.
Playing repeatedly or randomly	Press AUTO DJ / REPEAT on the unit repeatedly. Refer to the note for details about the display change.

Note

- The display changes in the following order.

USB
AUTO DJ RANDOM
AUTO DJ SEQUENTIAL
REPEAT ONE
REPEAT FOLDER
REPEAT ALL
RANDOM
OFF

- REPEAT function can be used after AUTO DJ function display changed.
- 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.
- The next file name is displayed every 30 seconds. (Except RANDOM play, AUTO DJ RANDOM play, the last file of playlist, etc.)
- 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.
- AUTO DJ mode does not support searching for a section within a file.
- AUTO DJ is not supported in the music file whose length is less than 60 seconds.

Auto Play

When USB is inserted,

- If you press **DI** on the **SIDE A/1** of the unit, the function is changed to USB 1 and playback starts. (Except Bluetooth / Tuner Function).
- If you press **DI** on the side **SIDE B/2** of the unit, the function is changed to USB 2 and playback starts. (except MIXER ON mode)

! Note

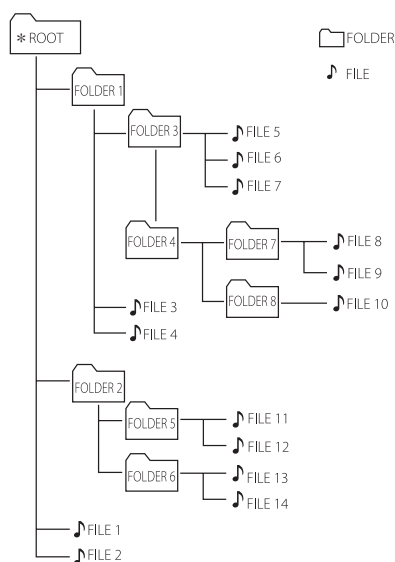
- When USB is inserted
 - Function is changed to USB 1 if **KK/ΔΔ**, **SEARCH** on the **SIDE A/1** of the unit is pressed. (Except Bluetooth/Tuner Function)
 - Function is changed to USB 2 if **KK/ΔΔ**, **SEARCH** on the **SIDE B/2** of the unit is pressed. (Except MIXER ON mode)

Selecting a folder and an MP3/WMA file

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

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".

Playback Effect

The unit supports various sound and playback effects:

DJ EFFECT, SCRATCH, DJ PRO, DJ LOOP, TEMPO, MIX, AUTO SYNC.

DJ EFFECT

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

1. Press **DJ EFFECT** on the unit to select a desired DJ EFFECT (FLANGER, PHASER, WAH, DELAY, OFF).
2. Turn **DJ EFFECT LEVEL** controller on the unit 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 on the unit 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

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

Rotating **DJ SCRATCH / SEARCH & MULTI** on the unit to mix the scratch sound.

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

DJ PRO

It allows you to mix CLUB, DRUM or USER sound effect. Each mode has up to 8 sounds effect.

1. Press and hold **DJ PRO (/ CLUB, / DRUM or / USER)** on the unit to select a desired DJ PRO sound effect.
2. Press **DJ PRO** pad (**1, 2, 3, 4, 5, 6, 7, 8**) of desired sound on the unit.

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)** on the unit.
- The DJ PRO sound is mixed when you press **DJ PRO** pad (**1, 2, 3, 4, 5, 6, 7, 8**) on the unit.
- 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, 4, 5, 6, 7, 8**) on the unit while DJ PRO sound is playing.

DJ LOOP

The certain section (about 1 sec) of sound is repeatedly played. (USB only)

During playback, press and hold **DJ LOOP** on the unit at the point you want. And you can cancel DJ LOOP function by releasing it.

! Note

This function is released after operating 10 times or releasing **DJ LOOP** on the unit.

TEMPO

You can adjust the Tempo for USB function 1 or 2 from 50 (MIN) to 150 (MAX).

Rotate **TEMPO A** to adjust the tempo for USB 1. Rotate **TEMPO B** to adjust the tempo for USB 2.

! Note

The tempo is set as 100 if you turn the unit off.

MIX

You can mix audio sounds.

1. Press **MIX**. 'MIXER ON' is displayed.
Select a desired Function for SIDE A/1 and play it. Mix is available in all functions except USB 2.
2. During playback, insert a USB device in USB port and play it. SIDE B/2 is fixed as USB 2 function.
3. Move the Mix fader to adjust the sound volume of mixed sound. Move it to the left to lower the volume of SIDE B/2 and move it to the right to lower the volume of SIDE A/1.

! Note

- In MIXER ON mode,
 - You can adjust the Tempo for USB function 1 or 2.
 - If you press **⏮/⏭**, **⏸** on the unit, it works only for each side.
 - You can use H/P MODE. (Refer to page 30)
- If you turn off the unit in the middle of mixing process, MIX mode turns to OFF.

AUTO SYNC

When using Mixing, you can synchronize the tempo of audio files being played in USB 1 and USB 2 by pressing **AUTO SYNC**.

To stop it, press **AUTO SYNC** twice.

! Note

- The tempo of music being played in USB1 is synchronized to that in USB2.
- TEMPO A doesn't work when AUTO SYNC is on.
- If function is changed, AUTO SYNC function is cancelled.
- In case of below, AUTO SYNC error may occur depending on the sound source.
 - The silent section in the beginning of the track.
 - Intro or bridge section in which few musical instruments appear.
 - In cases where playback speed or tempo of the song changes.
 - In case that the data for BPM is provided in real time, not the beginning of the song.
- If the song is being played too fast or slow, press and hold **AUTO SYNC**. 'AUTO SYNC/RE-ANALYZING' is displayed.
- AUTO SYNC is available only when USB 1 is selected for SIDE A/1 and USB 2 is selected for SIDE B/2 in MIXER ON mode and both are being played.

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 : Smart phone, MP3, Notebook, etc.
- Version : 4.0
- Codec : SBC

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 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.

! Note

When Bluetooth connection lock is activated, you can search **Bluetooth** device in BLUETOOTH function.

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 RK8 (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 RK8 (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 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, "BLUETOOTH PAIRED" appears on the display window and change to **Bluetooth** device name soon.

! Note

- "BLUETOOTH 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 an obstacle between the unit and the **Bluetooth** device.
 - There is a device using same frequency with **Bluetooth** technology such as a medical equipment, a microwave or a wireless LAN device.
- You should connect your **Bluetooth** device to this unit again when you restart it.
- 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.

Bluetooth connection lock (BLUETOOTH LOCK)

You can limit **Bluetooth** connection to only BLUETOOTH (**Bluetooth**) and LG TV function to prevent unintended **Bluetooth** connection.

To turn this function On, press and hold **DI** on the SIDE A/1 unit for about 5 seconds in BLUETOOTH (**Bluetooth**) function.

"BLUETOOTH LOCK" appears then you can limit **Bluetooth** connection.

To turn off this function, press and hold **DI** on the SIDE A/1 unit for about 5 seconds in BLUETOOTH (**Bluetooth**) function.

"BLUETOOTH UNLOCK" appears.

! Note

- The sound may be interrupted when the connection has interference from other electronic devices.
- 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, "BLUETOOTH READY" appears on the display window.
- When you use the **Bluetooth** function, adjust the volume to a proper level on the **Bluetooth** device.
- 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.
- **Bluetooth** connection will be disconnected when you change the **Bluetooth** function to the others. In "Music Flow Bluetooth" app connection, only one device which you are playing keeps **Bluetooth** connection. You can control the **Bluetooth** device with this unit but you cannot use sound output.
- When entering **Bluetooth** function, this unit automatically connect to **Bluetooth** device which is connected the last.
(Auto connection may not be supported depending on the connected device specifications.)

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.

! 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. If you want to get more information to operate, tap [Setting] and tap [Help] menu.

! Note

- “Music Flow Bluetooth” app will be available in the software version as follow;
 - Android O/S: Ver 4.0.3 (or later)
- 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

Pull the FM antenna out and adjust the angle and direction for better reception.

Listening to the radio

1. Press **F** on the unit until RADIO (FM) appears in the display window.
The last received station is tuned in.
2. Auto tuning :
Press and hold **KK / DD** on the SIDE A/1 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 **KK / DD** on the SIDE A/1 unit repeatedly.

3. Adjust the volume by rotating **MASTER VOL.** knob on the unit.

Improving poor FM reception

Press **DI** on the SIDE A/1 unit. This will change the tuner from stereo to mono and usually improve the reception.

Presetting the Radio Stations

You can preset 10 stations for FM.

Before tuning, make sure to turn down the volume.

1. Press **F** until RADIO (FM) appears in the display window.
2. Select the desired frequency by pressing **KK / DD** on the SIDE A/1 unit.
3. Press **PRESET** on the unit. A preset number will blink in the display window.
4. Rotating **DJ SCRATCH / SEARCH & MULTI** on the unit to select the preset number you want.
5. Press **OK / INFO** on the unit. The station is stored.
6. Repeat steps 2 to 5 to store other stations.
7. To listen a preset station, press **PRESET** until PRESET SEARCH is displayed. And then choose a preset number of a radio station with **DJ SCRATCH / SEARCH & MULTI** knob.

Deleting all the saved stations

1. Press **PRESET** on the unit three times.
"PRESET DELETE ERASE ALL ?" will flash up on the unit display.
2. Press **OK / INFO** on the SIDE A/1 unit 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 / BASS BLAST** on the unit.

On Display	Description
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.
FOOT BALL	You can enjoy the sound effect FOOTBALL STADIUM.
STANDARD	You can enjoy optimized sound.
FUNK, REGUETON, SAMBA, MERENGUE, AXE, SALSA, SERTANEJO, FORRO, ARABIC, DANGDUT, AFRO, INDIA	Local Specialization equalizer. Optimized sound effect for the music genre preferred in each region.

Note

- On some speakers, sound may not be heard or heard in low sound depending on the sound mode.
- By pressing and holding **SOUND EFFECT / BASS BLAST** on the unit for 3 seconds you can directly select BASS BLAST effect.

Setting the USER EQ

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

- Press **USER EQ** on the unit. "USER EQ" is displayed.
- Press **USER EQ** on the unit repeatedly until desired setting appears in the display window.
- Rotate **BASS / MIDDLE / TREBLE** on the unit to adjust the value.

Advanced Operations

Recording to USB1

You can record a various sound source to USB1 while listening (Play or pause) to music or enjoying DJing. (USB, PORTABLE, RADIO (FM))

1. Connect the USB device to USB1 port on the unit.
2. Press **USB REC / DEMO** to start when you want to record.
3. To pause recording, press **USB REC / DEMO** on the unit.
4. To stop recording, press and hold **USB REC / DEMO** on the unit for 3 seconds.

Recording in MIXER ON mode

Recording is available in MIXER ON mode. If you record in MIXER ON mode, the unit records the mixed sound from that point when you press **USB REC / DEMO**.

1. Start mixing. (page 19).
2. Start the recording by pressing **USB REC / DEMO** on the unit.
To stop recording, press and hold **USB REC / DEMO** on the unit to stop recording. Otherwise, the recording continues.

Pausing recording

During USB playback or pause, or external sound source recording, press **USB REC / DEMO** on the unit to pause recording. Press it again to restart recording. (Except USB Copying)



Note

- VOICE CANCELLER or KEY CHANGER will be reset, if you use recording function during operating VOICE CANCELLER or KEY CHANGER.
- VOICE CANCELLER or KEY CHANGER can not be operated during recording.

To select recording bit rate

1. Press and hold **USB REC / DEMO** on the unit for 3 seconds.
2. Press **⏮ / ⏭** on the SIDE A/1 of the unit to select a bit rate.
3. Press **USB REC / DEMO** on the unit to finish the setting.

Copying file from USB2 to USB1

You can copy audio files from USB2 to USB1 quickly.

1. Connect the USB device to USB1 port on the unit.
2. Connect a USB device including desired audio files to USB2 port on the unit.
3. Press **F** to select USB2 function.
4. Press **USB REC / DEMO** to start copying.
 - Press **USB REC / DEMO** while displaying total folder and file index, All files on USB2 will be copied.
 - Press **USB REC / DEMO** while displaying folder name. All files on the folder will be copied.
 - Press **USB REC / DEMO** while displaying file index or name. The file will be copied.



Note

- You can copy as described above even if power on/off status or function switched status.
- For search a folder or file, refer to page 17.

5. To cancel copying, press and hold **USB REC / DEMO** on the unit for 3 seconds.

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

- When you stop recording, the file that has been recorded at that time will be stored. (Exclude files that are currently being copied or to be copied.)
- 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.

! Note

- You can record various sound using DJ EFFECT, SCRATCH, DJ PRO, DJ LOOP or MIC. (Except USB Copying)
- You can control recorded microphone sound according to microphone volume.
- You may not store more than 2,000 files.
- In case of the unsupported MP3/WMA file, the file recording may be stopped.
- When you are recording during playback, the sound now playing is output.
- It'll be stored as follows.

MP3/WMA	
Play or pause status	
FILE_REC	AUDIO_0001
	AUDIO_0002
	...
The other status	
FILE_REC	ABC(File name)
	DEF(File name)
	...
MIX mode	
DJ_MIX_REC	MIX_0001
	MIX_0002
	...
The other source*	
OTHERS_REC	AUDIO_0001
	AUDIO_0002
	...
Tuner	
TUNER_REC	AUDIO_0001_107-7FM
	...
	...

* : PORTABLE and the like.

Tuner : The current recording frequency is shown

! Note

Normal mode

- You can check the recording percentage rate for the USB record on the display window during the recording. (MP3/WMA file Only)

MIXER ON mode

- When Function is set to BLUETOOTH or LG TV, recording is available in MIXER ON mode.

Other Operations

Displaying file information (ID3 TAG)

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

OK / INFO on the unit.

DEMO

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

To cancel the DEMO function, press **USB REC / DEMO** on the unit once more.

! Note

You can enjoy other functions during the DEMO, the DEMO will temporarily pause.

- Without input key in 10 sec, the DEMO will playback automatically.

Using HEADPHONE MODE

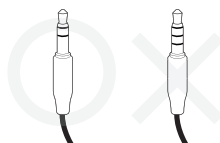
Headphone monitoring is available.

Insert a headphone to listen to the music. Rotate **H/P VOLUME** to adjust the volume.

When mixing, press **H/P MODE** to select a monitoring mode. You can listen to the music being mixed or playing in Source A or Source B.

! Note

- It is not compatible with a 4 pole jack.



- If you select one source output in MIXER ON mode, the playback effects (Except TEMPO, DJ LOOP) are not applied to the output through the headphone.
- If you power off or switch to MIXER OFF, the selected H/P MODE is cancelled.

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 rotating **MIC VOLUME** on the unit.

! Note

- When not using the microphone, set the MIC volume 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 rotating **MIC VOLUME** on the unit.
- If sound through the microphone is extremely loud, it may be distorted. In this case, adjust **MIC VOLUME** by rotating on the unit to minimum.
- You can give an echo effect to the sound from the microphones by pressing **ECHO**.

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 BLUETOOTH (**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, "PLEASE INSERT MIC" 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).

1. Set on the key changer by using the **KEY CHANGER**.
2. Adjusting the key by rotating the **DJ SCRATCH / SEARCH & MULTI**.

! Note

- This function is available USB or BLUETOOTH (**Bluetooth**) function.
- 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.
- If the function is not available, "NOT SUPPORT" appears in the display window.
- If a microphone is not connected, "PLEASE INSERT MIC" appears in the display window.

VOCAL EFFECTS

When you connect your microphone to the MIC jack, you can enjoy karaoke function by changing voice in the various source.

To select various mode, press **VOCAL EFFECTS** repeatedly or press **VOCAL EFFECTS** then turn **DJ SCRATCH / SEARCH & MULTI** on the unit when vocal effects mode appears in the display window.

BASS → SOPRANO → HELIUM → ROBOT →
DUET MAN → DUET WOMAN → BASS ECHO1
→ SOPRANO ECHO1 → HELIUM ECHO1
→ ROBOT ECHO1 → DUET MAN1 → DUET
WOMAN1 → BASS ECHO2 → SOPRANO
ECHO2 → HELIUM ECHO2 → ROBOT ECHO2
→ DUET MAN2 → DUET WOMAN2 → OFF

! Note

- If a microphone is not connected, "PLEASE INSERT MIC" appears in the display window.
- If you press **KEY CHANGER**, **DJ EFFECT** or **ECHO** on the unit on VOCAL EFFECTS mode, after backing up current VOCAL EFFECTS, turn off VOCAL EFFECTS mode and operate KEY CHANGER, DJ EFFECT or ECHO mode.
- To turn off VOCAL EFFECTS mode, press and hold VOCAL EFFECTS.

ECHO

When you connect your microphone to the MIC jack, you can give an echo effect to the sound from the microphones by pressing **ECHO**.

ECHO 1 → ECHO 2 → ECHO OFF

! Note

- If a microphone is not connected, "PLEASE INSERT MIC" appears in the display window.
- If you press **VOCAL EFFECTS** button on ECHO mode, after backing up current ECHO, turn off ECHO mode and operate VOCAL EFFECTS mode.
Press **ECHO** again, after backing up current VOCAL EFFECTS, operate ECHO mode.

LIGHTING

This function offers a party atmosphere by operating speaker lighting and beat of music.

1. Press **LIGHTING** on the unit.
2. Select the mode by turning **DJ SCRATCH / SEARCH & MULTI** or press **LIGHTING** repeatedly on the unit.

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

! Note

- Lighting function is available in all functions.
- Lighting mode retains its previous mode when you first press **LIGHTING** on the unit, press again to change modes.
- If you want to use MYSTYLE, you have to register a source with "Music Flow Bluetooth" app.
- If you want to enjoy the dynamic lighting effect, select the RHYTHM or the PARTY.
- If you want to flash lighting off, press and hold **LIGHTING** on the unit to enter the FLASH ON/OFF mode. You can select on or off of the flash lighting in the FLASH ON/OFF mode.

Auto power down

This unit will turn itself off to save electricity in the case where the main unit is not connected to an external device and is not used for 15 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 MAIN unit in case of WIRELESS PARTY LINK connection. In case of OTHER unit, Auto power down is available after disconnection OTHER unit and MAIN unit.

AUTO POWER On

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

When you turn on your TV connected to this unit, this unit recognizes the input signal and selects the suitable function. You can hear the sound from the unit.

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 or connected portable device, 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 PORT. IN connection is connected

When you connect the portable device to the **PORT. IN** connector, **PORTABLE** function is selected.
Play your music on the portable 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.
- This function only works with devices that were previously connected.
- If the **Bluetooth** connection lock function is set, **Bluetooth** and LG TV connection will be only available on **Bluetooth** and LG TV function.


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 .
2. Press **F** 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)]

When the TV is not connected, "LG TV READY" appears on the display window. If the TV and this unit are connected normally, "LG TV PAIRED" will be appear on the display window.

Note

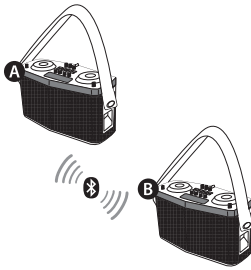
- If the connection fails, check the conditions of this unit and your TV : power, function.
- Make sure of the condition of this unit and the connection in the cases below when using LG Sound Sync.
 - The unit is turned off.
 - Changing to a different function.
 - Disconnecting the wireless connection 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 changed 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 , 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.
- When you turn on your LG TV connected by LG Sound Sync or enter LG TV function, this unit changes the function to LG TV automatically.
- You should set the TV Sound output manually depending on the LG TV version.
- You can also use the **MASTER VOL.** of this unit while using LG Sound Sync. If you use TV's remote control again, the unit synchronizes with the TV.

WIRELESS PARTY LINK Connection

The output sound of **A** (MAIN) unit is expanded to **B** (OTHER) unit.

It is compatible with unit that supports WIRELESS PARTY LINK.

The name of function about sound expansion between the compatible products wired or wirelessly was changed to PARTY LINK or WIRELESS PARTY LINK.



1. Press **Ⓜ** **WIRELESS LINK** on the unit. PARTY LINK MODE SELECT appears in the display window.
2. Press **Ⓜ** **WIRELESS LINK** on the unit to select MAIN or OTHER.
 - **A** unit : Selects MAIN.
 - **B** unit : Selects OTHER.

Two units try to connect with each other.
3. When these units are successfully connected each other, each of connected device names appears in the each unit.

! 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 OTHER unit only. In case of OTHER unit, some functions are supported only.
- When WIRELESS PARTY LINK is disconnected, OTHER 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.
- Sound of MAIN unit and OTHER unit may be different depending on playback status or source.
- Check the following information when connecting to **Bluetooth**.
 - You can connect only one **Bluetooth** device in the MAIN unit. You cannot connect **Bluetooth** device to the OTHER unit.
 - WIRELESS PARTY LINK connection is only supported on Android 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.
- MAIN / OTHER are may be displayed to MASTER (Primary) / SLAVE (Secondary) in the existing products.

Troubleshooting

General



Problem	Cause & Solution
The unit does not work properly	<ul style="list-style-type: none"> • Turn off the power of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and turn them 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	<ul style="list-style-type: none"> • The battery is discharged. Recharge the battery. • When you operate the unit by only using a battery, check whether the Battery ON / OFF switch is on (ON). • 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	<ul style="list-style-type: none"> • Check whether you select right function. Press function button and check the selected function.
Radio stations cannot be tuned in properly	<ul style="list-style-type: none"> • The antenna is positioned poorly. Adjust the angle and direction for better reception. • 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 26 for details.
No speaker light	<ul style="list-style-type: none"> • Check the speaker light effects by pressing LIGHTING on the unit.
LG Sound Sync does not work	<ul style="list-style-type: none"> • 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.
Dimensions (W x H x D)	Approx. 455 mm x 242 mm x 206 mm
Operating temperature	5 °C to 35 °C
Operating humidity	60 %

Inputs	
Portable in (PORT.IN)	0.5 Vrms (3.5 mm stereo jack) x 1
Microphone (MIC 1/2)	Sensitivity 20 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	40 to 20,000 Hz
Signal-to-noise ratio	More than 75 dB
Dynamic range	More than 80 dB
Bus Power Supply (USB)	5 V  500 mA / 5 V  1 A

Amplifier (RMS Output power)	
Total output	100 W RMS (4 Ω at 1 kHz, 10 % THD)
	50 W RMS (Only using the battery)

Battery	
Battery type	12 V / 7.2 Ah (Lead-Acid rechargeable battery)
Operating time	Approx. 10 hours (Based on fully charging the battery, continuous playback using 50 % volume level and lighting off status, EQ: Standard). It may vary depending on the battery status and operational conditions.
Charging time	Approx. 14 hours It may vary depending on the battery status and operational conditions.

- Design and specifications are subject to change without notice.

Trademarks and Licenses Maintenance



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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, benzene, 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.

