



OWNER'S MANUAL

HIGH POWER SPEAKER SYSTEM

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

MODEL
RK4



Safety Information



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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



WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

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: No naked flame sources, such as lighted candles, should be placed on the apparatus.

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

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.

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.

Carrying the unit

This unit have wheels and handle for carrying. You can easily carry the unit.

Playable file Requirement

Music file requirement

MP3 file compatibility with this unit is limited as follows.

- Sampling frequency : within 32 to 48 kHz
- Bit rate : within 32 to 320 kbps
- Maximum files : 999
- Maximum folders : 999
- File extension : ".mp3"
- Certain MP3 files may not be played depending on the type or format of the file.

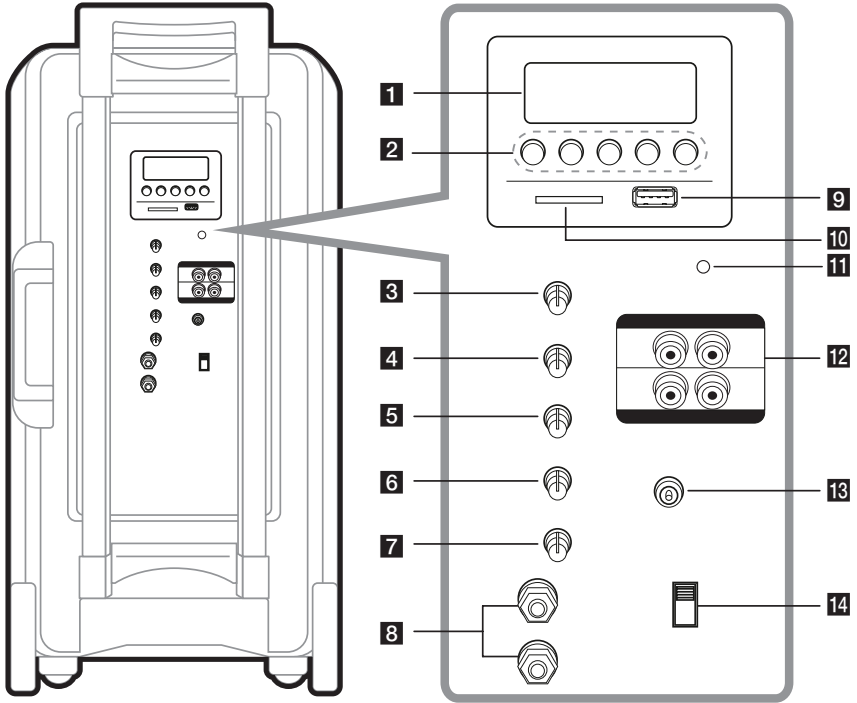
Compatible USB Devices / SD cards






- MP3 Player : Flash type MP3 player.
- USB Flash Drive :
Devices that support USB2.0 or USB1.1.
- SD card : SD, SDHC
- The USB / SD function of this unit does not support all USB devices and SD cards.

USB device / SD card requirement

- Devices which require additional program installation when you have connected it to a computer, are not supported.
- Do not extract the USB device / SD card while in operation.
- For a large capacity USB or SD card, 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. (FAT(16 / 32) and ExFAT file systems are supported.)
- External HDD, SDD, 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 / SD cards may not work with this unit.

Rear panel

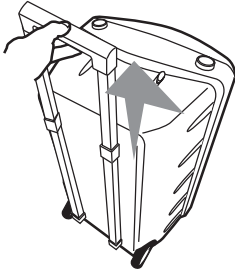


- 1** Display window
- 2** **INPUT**
Selects the input source.
 -  (Skip)
Skips backward.
 -  (Play/Pause)
Starts or pauses playback.
 -  (Skip)
Skips forward.
- REPEAT**
Listens to your files repeatedly.
- 3** **MUSIC VOL** (Volume)
Adjusts speaker volume.
- 4** **BASS VOL** (Volume)
Adjusts BASS sound level when setting USER EQ.
- 5** **TREBLE VOL** (Volume)
Adjusts TREBLE sound level when setting USER EQ.
- 6** **ECHO VOL** (Volume)
Adjusts echo volume.
- 7** **MIC** (Microphone) **VOL** (Volume)
- 8**  (Microphone) **1/2** Jack
- 9** USB Port
You can play sound by connecting the USB device.
- 10** SD card slot
You can play sound files by connecting the SD card.
- 11** **LIGHTING**
Lighting effect on or off.
- 12** **LINE IN / OUT (L/R)**
- 13** **DC 25 V**  **2 A** (AC adapter input)
- 14** **POWER ON / OFF**
Switches the unit ON or OFF.

Carrying the unit

This unit has wheels and a handle for carrying. You can easily carry the unit.

Pull the handle.



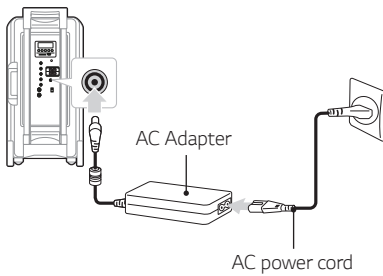
Caution

- Do not shake the handle too hard. Otherwise it may result in the unit being damaged.
- Do not hang heavy things on the handle. Otherwise it may result in the unit being damaged.
- Do not draw the unit on an unpaved road or the stairs.
- Be careful it does not drop the unit when you carry it.
- Carry the unit, after then disconnect the connected cables.
- Do not step or sit on the unit. Otherwise this unit may fall down and cause personal injury.
- 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 cause personal injury and/or property damage.
- Fix the handle when you use the unit.

Connecting the AC Adapter

Connect the speaker to the power supply with the supplied AC adapter.

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



Caution

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

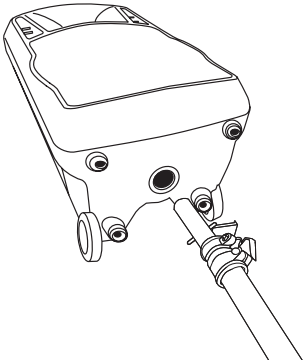
Use of Tripod

You can mount the unit on a tripod.
The tripod is an optional purchase.

Caution

- Extend the tripod legs as much as possible and tighten up the screw securely.
- Before connecting with the unit, you must set up the tripod completely to prevent shaking.

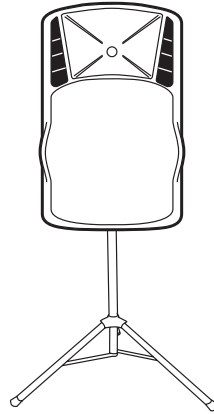
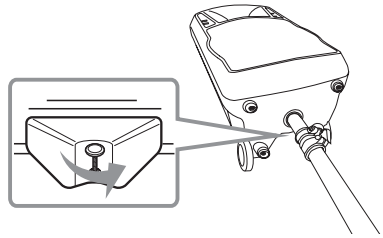
1. Unfold the tripod on a flat surface. And then fix the tripod. Tighten up the tightening part of the tripod.
2. Lift the speaker and connect the tripod to fixing part on the bottom of the speaker.



Caution

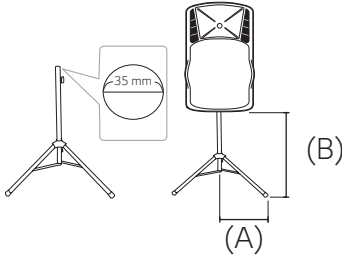
Insert the safety pin when setting up the tripod stand.

3. Tighten up the Hand screw on the bottom of the unit.



Note

- If you use a tripod, use the tripod only for speaker.
- Before buying a tripod, check the specifications for maximum bearing load of the center column.
(Unit's net weight : about 15.0 kg)



- Use tripod as below :
(A) From tripod's center to tripod's leg : above 540 mm
(B) From top of tripod to bottom of tripod : below 750 mm
(C) Tripod net weight : over 2.5 kg
- Use a tripod as low as possible for safety use.
- You should pull the center column to the maximum only in case of need.
- Mount only one unit on each tripod.
- Do not try to extend the tripod legs outside over its allowed range.
- Make sure the tripod is correctly assembled and all its components are tightly connected.
- Do not try to assemble the tripod if parts are missing or defective.
- After installation, check whether the unit is fixed firmly on the tripod or not.
- Do not place the unit on an unstable position where it might accidentally fall over.
- Add weight such as sand bags around the tripod legs to prevent them from falling over.

Note

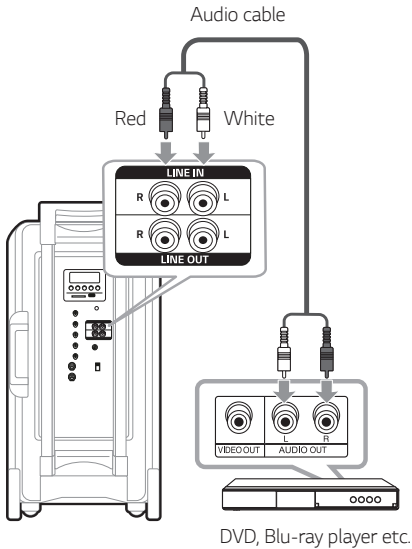
- You should limit people around the unit while using this unit with tripod. Otherwise it may result in malfunction and causing personal injury or property damage.
- Standing on the stool to reach unit control panel is risky and might lead to injuries.
- Do not put or attach other objects on the tripod.
- Do not shake or push the unit when the tripod is installed.
- Refrain from moving around the tripod after unit is installed.
- Remove the units from all connected cables of the tripods before moving the tripods or adjusting their height.
- When transporting or moving the unit, always use two or more people.
- When you use the tripod, use an extension cord. always be careful the movement of cable.
- It is prohibited to use this unit outside. (Indoor use only)
- Do not expose the unit to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater) to prevent the possibility of panel disfiguration or damage to the internal components.
- When using the external input cable (Mic, etc.) after installing the unit on the tripod, external input cable can cause the unit to fall down.
- Watch out the people can trip over the input cable (Mic, etc.) connected the unit.
- Always be careful of the unit being tripped.

Optional Equipment Connection

LINE IN Connection

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

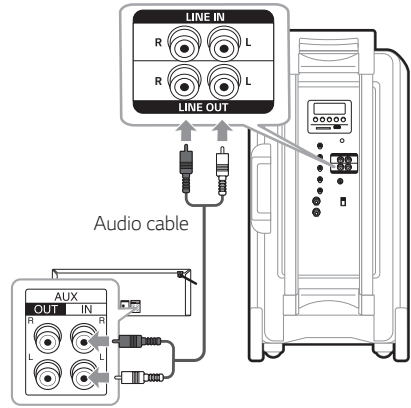
If your device has only one output for audio (mono), connect it to the left audio jack on the unit.



LINE OUT Connection

Connect an input of auxiliary device to the **LINE OUT** (L/R) connector.

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



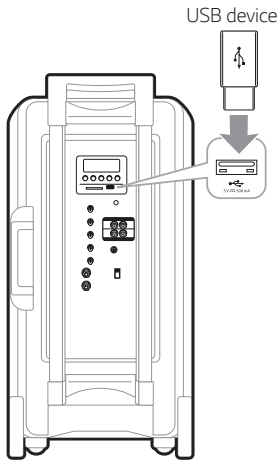
Listening to music from your external device

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

1. Connect the external device to the **LINE IN** connector of the unit.
2. Connect the power.
3. Press **INPUT** to select LINE.
4. Turn on the external device and start it playing.

USB Connection

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



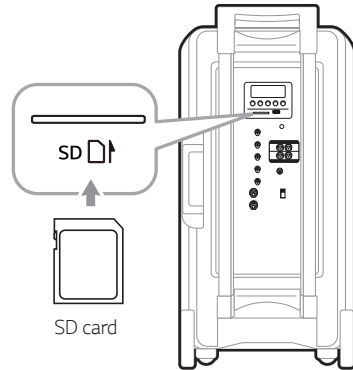
! Note

Removing the USB device from the unit :

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

SD card Connection

Connect a SD card to the SD slot on the unit.



! Note

Removing the SD card from the unit:

1. Choose a different function.
2. Remove the SD card from the unit.

Basic Operations

USB/SD Operations

Connect the USB device to the USB port. Or connect the SD card to the SD slot. When you connect the USB device or SD card, the player plays an audio file contained in the USB / SD storage device automatically.

To	Do this
Playback	Press ► .
Pause	Press ► during playback.
Skipping to the next/previous file	Press ►► to go to the next file. Playing less than 4 seconds, Press ◀◀ to go to the previous file. Playing after 4 seconds, press ◀◀ to go to the beginning of the file.
Playing repeatedly	Press REPEAT repeatedly. ONE <-> ALL

! Note

- Do not extract the USB device or SD card during operation. (play, etc.)
- Regular back up is recommended to prevent data loss.
- If the USB device and SD card is connected to the unit at the same time, use the unit by changing a function.
- The resume point may be cleared when in the cases below
 - Turning off the unit.
 - Removing the USB device or SD card from the unit.
 - Pulling out the power cord.
 - Changing to a function.

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 : 3.0
- 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. Select the Bluetooth function by using the **INPUT**. Appears "BLUE" and Bluetooth icon blink quickly in the display window.
2. Operate the **Bluetooth** device and perform the pairing operation. When searching for this unit with the **Bluetooth** device, a list of the devices found may appear in the **Bluetooth** device display depending on the type of **Bluetooth** device. Your unit appears as "LG-RK4."

! Note

Depending on the **Bluetooth** device type, some devices may have a different pairing process. Enter the PIN code (0000) as needed.

3. When this unit is successfully connected with your **Bluetooth** device, "CONN" appears on the display window.
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.
- If **Bluetooth** connection does not work well, try pairing it again.
- To connect a new **Bluetooth** device, disconnect the currently connected **Bluetooth** device and connect a new **Bluetooth** device.

! Note

- 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 too far from the unit.
- When **Bluetooth** connection is disconnected, connect the **Bluetooth** device to the unit again.
- When you use the **Bluetooth** function, adjust the volume to a proper level on the **Bluetooth** device.
- If you change the function, the **Bluetooth** function is disconnected.
- When you select the **Bluetooth** function, the unit will be connected to already paired **Bluetooth** device.

Other Operations

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 VOL** clockwise or counterclockwise 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, rotate **MIC VOL** to minimum.
- You can't adjust microphone's volume by using the **MUSIC VOL**. Microphone's volume can be adjusted by **MIC VOL**.

Adjusting the ECHO volume

You can give an echo effect to the sound from the microphones.

Rotate the **ECHO VOL** to increase the echo volume or decrease it.

Setting the USER EQ

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

Rotate **BASS VOL** or **TREBLE VOL** to adjust the sound level.

LIGHTING

You can turn on or off lighting effect by pressing **LIGHTING** button.

! Note

- Lighting function is available in all functions.
- Do not look directly at the light emitting part when the **LIGHTING** is turned on.
- If the illumination brightness is glaring, switch on the room lights or turn off the **LIGHTING**.

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 (Woofer, DVD-player, Amplifier, etc.) and turn them on again. • Disconnect the power cord of this unit and the connected external device (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 power cord is not plugged in. Plug in the power cord. • Check whether electricity failed. Check the condition by operating other electronic devices using the same AC outlet.
No sound.	<ul style="list-style-type: none"> • Check whether you select right function. Press function button and check if you have selected the right function.

General specifications

General	
Power requirements	Refer to the main label on the unit.
Power consumption	Refer to the main label on the unit.
AC adapter	Model : DA-50F25 Manufacturer : ASIAN POWER DEVICES INC. Input : 100 - 240 V ~ 50/60 Hz Output : 25 V \equiv 2 A
Dimensions (W x H x D)	Approx. 442 mm X 710 mm X 356 mm
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	60 %

Inputs	
Analog audio in (LINE IN)	2.0 Vrms (1 kHz, 0 dB), 600 Ω , RCA jack (L, R)
Analog audio out (LINE OUT)	2.0 Vrms (1 kHz, 0 dB), 600 Ω , RCA jack (L, R)
Microphone (MIC 1/2)	Sensitivity 20 mV (1 kHz), 6.3 mm jack x 2

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 \equiv 500 mA

Amplifier (RMS Output power)	
Total output	80 W (3 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.

Trademarks and Licenses



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