

RM-K666  
PLUS



RHM®

Portable Karaoke Bluetooth Speaker



RM-K666 PLUS

#### Safety Precaution & Warning

1. Do not disassemble any part of the device.
2. Do not expose to any amount of water or rain.
3. Do not operate in high temperature environment.
4. Do not place the unit around machine or appliances.
5. Do not charge the unit in direct sunlight, heat or fire.
6. Use only the included accessories with the device.
7. Please charge the speaker & microphones once every 3 months if not used for a long time to protect the battery.
8. Can be used safely below 5000 meters above sea level.
9. Safe for use in the tropics.
10. Pay attention not to reverse the positive and negative poles of the battery. Reverse installation may burn out the microphones.
11. If the microphone is not used for a long time, you need to take out the battery. The battery may leak if it is not used for a long time, which will cause the positive and negative electrodes of the microphone to corrode and rust, causing power failure.

#### Product Introduction

- Support Bluetooth / USB / LINE / PC and other audio input modes.
- For music, karaoke entertainment, TV, parties, teaching, singing, meeting, etc.
- Can connect to a variety of devices via Bluetooth connection, such as smartphones, tablets, laptops and other devices.
- Digital element microphones with button control function, extremely easy to control.
- The speaker is equipped with a built-in professional DSP sound effect processor for reverberation and reverberation processing.
- The speaker is powered by a 12V/4400mAh lithium battery, and the microphone is powered by 2 AA 1.5V dry cell batteries.

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#### Technical Specification

1. Support for 2 digital wireless microphones  
-Working distance: 10m/30ft  
-Audio frequency response: 20Hz-20kHz  
-Excluded battery and power adapter.
2. Wireless Bluetooth connection works with all your favorite external devices like smartphones, tablets, laptops, etc.  
-Working distance: 10 meters / 30ft  
-Bluetooth 4.2 with A2DP support  
-Automatically connects with last connected Bluetooth device
3. Portable karaoke machine  
-Speaker unit: 3-inch medium / high sound x 2 + 4-inch bass  
-Speaker impedance: 4 ohms
4. Main speaker unit  
-Speaker Output power: Treble 15W x 2 + bass 30W  
-Audio response: 35Hz-20kHz  
-Power supply: 19V 5.42A DC power adapter (110-240V, 50 / 60Hz)  
-Built-in Lithium battery: 12V / 4400mAh

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#### What's In The Box



(Note: The picture is for reference only. Please refer to the actual product as the standard)

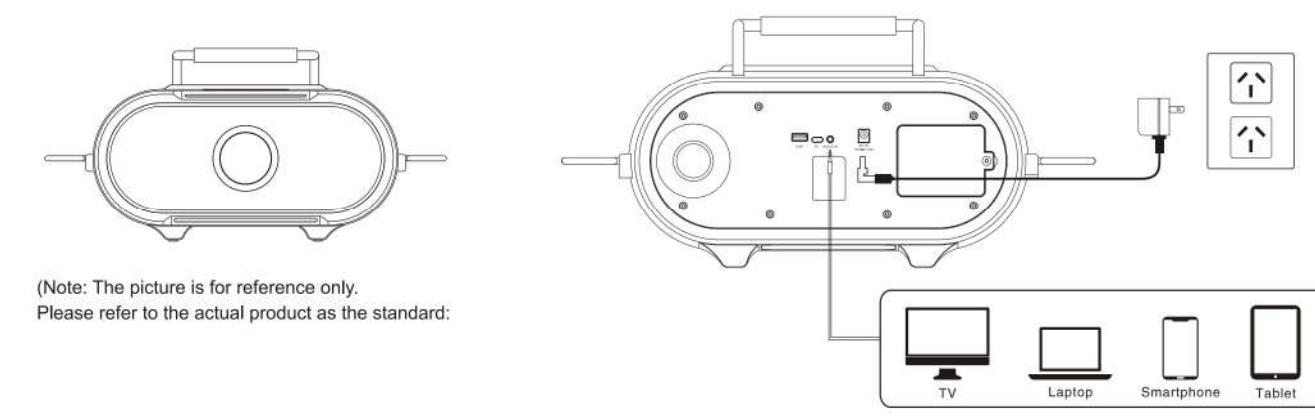
#### Battery Maintenance

1. The battery should be stored in a dry place at room temperature.
2. It is recommended to charge the battery every 3-6 months.
3. To charge the speaker battery. The battery back will flash on the display of the speaker while low battery. Use 19V 3.42A power adapter we offer, plug the power cable into the back of the unit (DC IN), then the other end of the power adapter into a power outlet, the display will show the battery power of the speaker and the battery block will flash. After fully charging, the charge icon goes off and the power icon is always on.
4. The device battery takes about 3 hours to be fully charged. Play time is around 5-8 hours.
5. The speaker or microphone will automatically turn off if it is not used for about 30 minutes.

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#### Basic Operation Of The Speaker

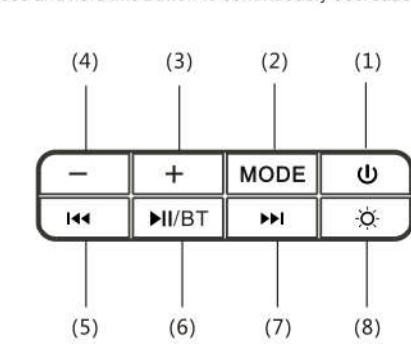
1. To charge the unit before use, plug the power cable into the back of the unit. Plug the other end of the power adapter into a power outlet.
2. Long press the power button located on the top of the speaker until you hear the boot sound. When the device starts up, it will automatically be in "Bluetooth" mode. If it's your first time connecting a device, the small screen on the front of the screen will flash until you've connected a device. On your phone or other Bluetooth device, scan for available devices and connect to the "RM-K666 PLUS" device. Once connected, just start playing music!
3. Select the play mode by pressing the button "MODE" on the top of the RM-K666 PLUS.
4. Control the buttons on the panel as needed (refer to the instructions below for specific operations)



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#### Function Panel Introduction

1. Power on / off  
"Long press for 3 seconds to turn on / off the speaker  
"Short press to check the battery level after turning on
2. Play / pause or selection  
"Short press to switch the play mode: Bluetooth / LINE / USB / PC(USB or PC mode can be switched only after the corresponding device is inserted)  
"Long press for 3 seconds to select the MUSIC or OUTDOOR occasion  
(The volume of outdoor occasion is louder than music occasion)
3. Volume increase button  
"Select this button to increase the volume of music  
"Long press and hold this button to continuously increase the volume of music
4. Volume decrease button  
"Select this button to lower the volume of music  
"Long press and hold this button to continuously decrease the volume of music
5. Previous track / Not available in LINE IN mode  
"Short press to switch the LED light effect  
"In Bluetooth mode, long press for 3 seconds to disconnect the Bluetooth connection, then press twice to reconnect to the current device. After disconnecting the Bluetooth connection, short press twice to continuously connect to the Bluetooth of your device again.
6. Play/Pause or Bluetooth disconnection button  
"Short press this button to pause or play the song  
"In Bluetooth mode, long press for 3 seconds to disconnect the Bluetooth connection, then press twice to reconnect to the current device. After disconnecting the Bluetooth connection, short press twice to continuously connect to the Bluetooth of your device again.
7. Light effect button  
"Short press to switch the LED light effect  
"Light effect 1 > Light effect 2 > Light effect 3 > Turn off the light effect  
"Long press for 3 seconds to turn on/off the lighting lights, (in the process of playing music, the lighting light will flash from time to time)
8. LED display screen  
"Short press to switch the LED light effect
9. LED display screen  
"Short press to turn on/off the LED display screen



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#### Switch Input Mode

Press the button "MODE" on the panel, the following input modes can be switched circularly: Bluetooth > USB > LINE > PC. Press the button "MODE" multiple times to cycle through all available modes.

#### Bluetooth Function

Bluetooth function supported: Smart phones / tablets / laptops with Bluetooth function or other devices that support Bluetooth play function. Bluetooth connection: Turn on the Bluetooth function of the Bluetooth device, search for the Bluetooth device named "RM-K666 PLUS". After connecting it, the speaker can play.

Display Status in Bluetooth Input mode

1. Unconnected Bluetooth device: Bluetooth state indicator flashes
2. Connected Bluetooth device: Bluetooth state indicator is always on

1. If you would like to connect with a new Bluetooth device, long press the button "MODE" for 3 seconds to disconnect the Bluetooth connection. At the same time, the Bluetooth icon on the display is flashing. New devices can search "RM-K666 PLUS" to connect.

2. If you would like to connect the current Bluetooth device, after disconnecting the Bluetooth connection, short press the button "MODE" twice continuously to connect Bluetooth of your device again.

#### USB Function

Make sure your music is in MP3 format and save on your USB flash drive. Then, plug the USB flash drive into the slot marked "USB" on the back of the RM-K666 PLUS. If your music does not automatically start playing, press the button "MODE" on the top of the RM-K666 PLUS until "USB" appears on the screen.

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#### Line Function

Once switched to the line in mode, it will be displayed on the LED screen:



Connect your aux-in cable to your audio source (such as an MP3 player, smartphone, tablet, or computer) with the included 3.5mm audio cable. Connect the other end to the back of the K666PLUS speaker.

Press the button "MODE" on the top of the RM-K666 PLUS until "LINE" appears on the screen.

#### PC Function



Plug the large end of the included USB cable into your computer. Plug the small end into the port marked "PC" on the back of the RM-K666PLUS.

Press the button "MODE" on the top of the RM-K666 PLUS until "PC" appears on the screen.

NOTE: You will need to adjust your computer's sound settings to set the "USB Audio Device" as the default playback device. Then simply start playing music on your computer.

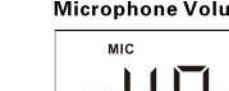
#### Music Volume Level



Press the button "+" on the top of the speaker to adjust music volume increase level.

Press the button "-" on the top of the speaker to adjust music volume decrease level.

#### Microphone Volume Level



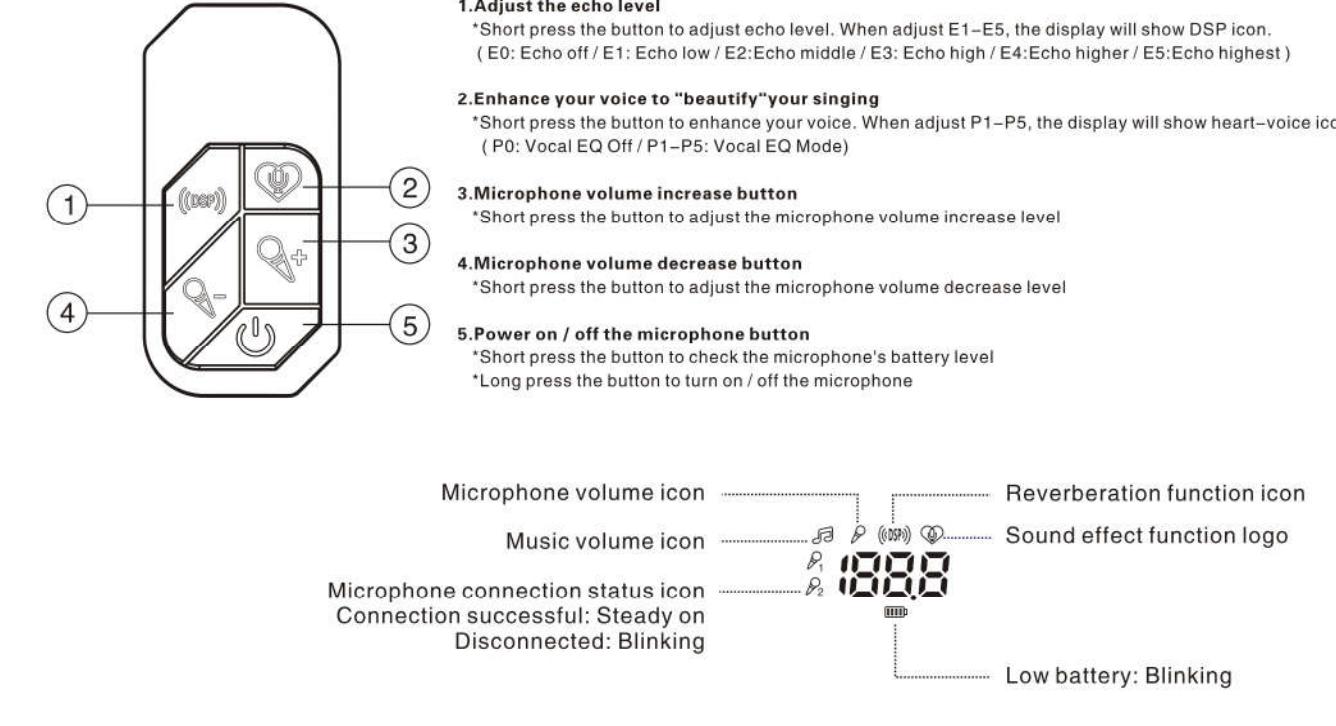
The default microphone volume level is 40.

Short press the button "A" on the microphone to adjust the microphone volume increase level.

Short press the button "B" on the microphone to adjust the microphone volume decrease level.

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#### The Function Of Microphone



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#### The Operation Of The Microphone

##### How to install the batteries to the microphones

1. Hold the microphone and rotate the lower part of the microphone counter-clockwise;
2. Put in the included 2 AA batteries, with the positive pole facing the bottom of the microphone.
3. Twist the bottom of the microphone clockwise to tighten.

##### How to pair microphones

Two microphones have been paired at the beginning, so there is no need for you to do any actions. If the microphones don't work, they may go wrong in connection. Or if a new microphone is replaced, you may need to re-pair it before it works. Please do the following steps to reconnect:

If the microphone suddenly doesn't work during use, try to turn off the microphone, then turn it on again to see if it works. If it still doesn't work, try the steps below.

##### Microphone pairing steps:

1. Turn on the speaker and two microphones.
2. Turn on two microphones.
3. Keep two microphones on. Turn off the speaker, then long press and hold the button "A" and "B" together on the panel of the speaker for 5 seconds, then the speaker turns on and "A" and "B" are blinking together on the display of the speaker.

4. Turn on the other microphone and long press and hold the button "A" and "B" together on the panel of the speaker for 5 seconds.

5. "A" and "B" will stop blinking on the display of the speaker after successful pairing.

If you need a troubleshooting video for reference or have any questions, please contact us via the below contact.

Email: gina.ma@rhmspeaker.com

Facebook: fb.me/RHM.Speaker

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#### Common problem solving

Question	Solution
One of the microphones can't be connected to the speaker.	Please try it refer to the page 9 of the user manual. Please contact us via email if the issue still can't be solved after trying.
The karaoke speaker will not turn on.	Check if the battery power is exhausted. Please use it after charging, and be sure to charge the karaoke speaker after each use.
How to judge whether the karaoke speaker is fully charged?	The battery icon  will show on the LED display screen when charging, and the battery icon  will show on the LED display screen when it is fully charged.
The microphone will not turn on.	The microphone is powered by 2 AA batteries, please install the batteries before use and check if the battery is installed correctly. Or check if the AA batteries' power are exhausted.

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#### FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment and outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.