

RM-K666 PLUS

RHM®

Portable Karaoke Bluetooth Speaker



RM-K666 PLUS

Safety Precaution & Warning

- Do not disassemble any part of the device.
- Do not expose to any amount of water or rain.
- Do not operate in high temperature environment.
- Do not operate the unit around machines or appliances.
- When not charging or using the device, turn off and unplug the unit.
- Use only the including accessories with the device.
- Please charge the speaker & microphones once every 3 months if not used for a long time to protect the battery.
- Can be used safely below 5000 meters above sea level.
- Safe for use in the tropics.
- Play attention not reverse the positive and negative poles of the battery. Reverse installation may burn out the microphones.
- 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 partners, teaching, speaking, meeting, etc.
- Can connect to a variety of devices via Bluetooth connection, such as smartphones, tablets, laptops and other devices.
- Digital wireless microphones with button control functions, 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.

Technical Specification

- Support for 2 digital wireless microphones
 - Working distance: 10m / 30ft
 - Audio frequency response: 20Hz / 20KHz
 - Extended time: 13min / 4min
- Wireless Bluetooth connection works with all your favorite external devices like smartphones, tablets, laptops
 - Working distance: 10 meters / 30ft
 - Bluetooth 4.2 with A2DP support
 - Automatically connects with last connected Bluetooth device
- Portable karaoke machine
 - Speaker unit: 3-inch medium / high sound x 2 + 4-inch bass
 - Speaker impedance: 4
- Main speaker unit
 - Speaker Output power: Treble 15W x 2 + bass 30W
 - Audio response: 35Hz-20KHz
 - Power supply: 18V 3.42A DC power adapter (110-240V, 50 / 60Hz)
 - Built-in Lithium Battery: 12V / 4400mAh

What's in The Box



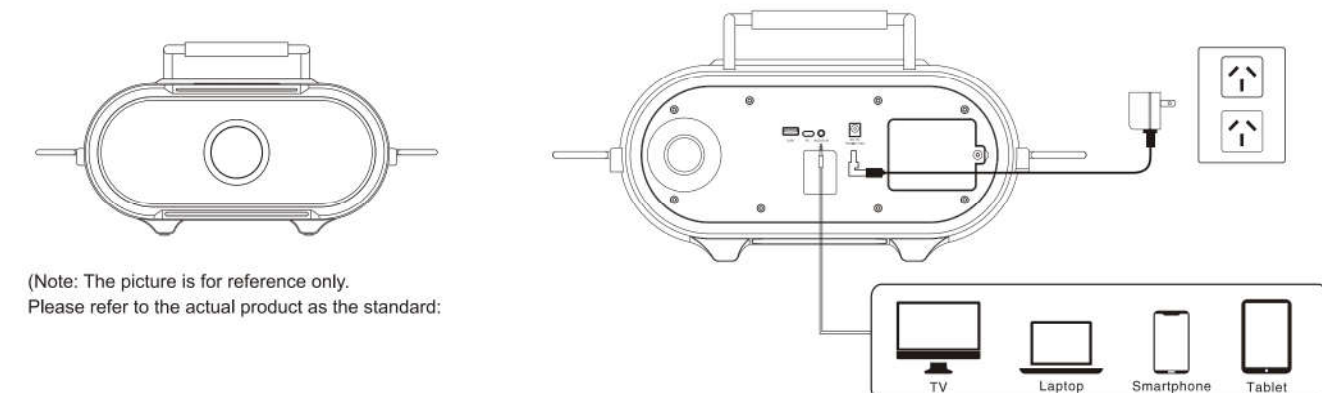
(Note: The picture is for reference only. Please refer to the actual product as the standard)

Battery Maintenance

- The battery should be kept in a dry place at the room temperature.
- Recommend to shutdown the device when charging.
- To charge the speaker battery, The battery lock will flash on the display of the speaker while low battery. Use 18V 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.
- The device battery takes about 3 hours to be fully charged. Play time is around 5-8 hours.
- The speaker or microphone will automatically turn off if it is not used for about 30 minutes.

Basic Operation Of The Speaker

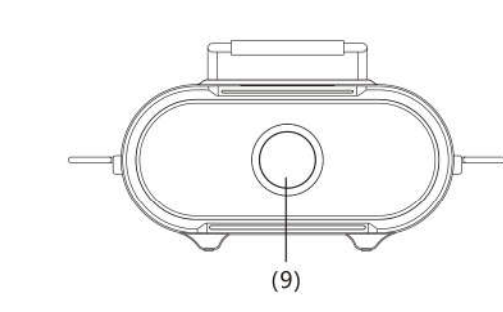
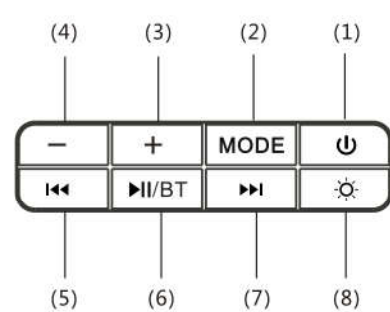
- To charge the unit before use, plug the power cable into the back of the unit. Plug the other end of the power adapter into a power outlet.
- Long press the power button located on the top of the speaker until you hear the boot sound. When the device starts up, it will automatically be in "Bluetooth"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



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

Function Panel Introduction

- Power on / off**
 - Long press for 3 seconds to turn on / off the speaker
 - Short press to check the battery level after turning on
- Play mode or occasion**
 - Short press to switch the play mode: Bluetooth / LINE / 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)
- Volume increase button**
 - Short press this button to increase the volume of music
 - Long press and hold this button to continuously increase the volume of music
- Volume decrease button**
 - Short press this button to lower the volume of music
 - Long press and hold this button to continuously decrease the volume of music



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 devices 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 status indicator is always on

- If you would like to connect with a new Bluetooth device, long press the button "HBT" 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.
- 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.



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-K666PLUS 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-K666 PLUS. Press the button "MODE" on the top of the RM-K666PLUS until "PC" appears on the screen. The RM-K666 PLUS will then be automatically installed on your computer as a speaker.

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



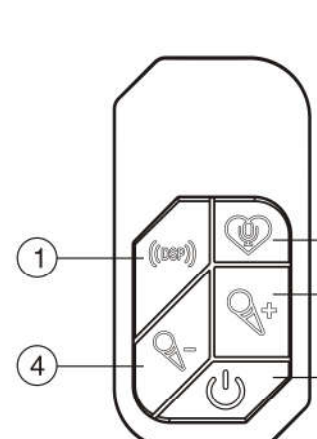
Press the button "+" on the top of the speaker to adjust music volume increase level.
Press the button "-" on the top of the speaker to adjust music volume decrease level.

Microphone Volume Level



The default microphone volume level is 40
Short press the button "+" on the microphone to adjust the microphone volume increase level.
Short press the button "-" on the microphone to adjust the microphone volume decrease level.

The Function Of Microphone



- Adjust the echo level**
 - Short press the button to adjust echo level. When adjust E1-E5, the display will show DSP icon. (E0: Echo off / E1: Echo low / E2: Echo middle / E3: Echo high / E4: Echo higher / E5: Echo highest)
- Enhance your voice to "beautify" your singing**
 - Short press the button to enhance your voice. When adjust P1-P5, the display will show heart-voice icon. (P0: Voice EQ Off / P1-P5: Vocal EQ Mode)
- Microphone volume increase button**
 - Short press the button to adjust the microphone volume increase level
- Microphone volume decrease button**
 - Short press the button to adjust the microphone volume decrease level
- Power on / off the microphone button**
 - Short press the button to check the microphone's battery level
 - Long press the button to turn on / off the microphone

Microphone volume icon
Music volume icon
Microphone connection status icon
Connection successful: Steady on
Disconnected: Blinking
Reverberation function icon
Sound effect function logo
Low battery: Blinking

The Operation Of The Microphone

How to install the batteries to the microphones

- Hold the microphone and rotate the lower part of the microphone counterclockwise;
- Put in the included 2 AA batteries, with the positive pole facing the bottom of the microphone.
- 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 needs 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:

- Turn off the speaker and two microphones.
- Turn on two microphones.
- Keep two microphones on. Turn off the speaker, then long press and hold the button "HBT" and "P" together on the panel of the speaker for 5 seconds, then the speaker turns on and "P" and "P" are blinking together on the display of the speaker.
- Then short press the button "P" 3 times continuously on one of the microphones. The other one performs the same operation.
- "P" and "P" 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: gms_ma@rhm-speaker.com

Facebook: fb.me/RHM.Speaker

Common problem solving

Question	Solution
One of the microphones can't be connected to the karaoke machine.	Please try to 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.

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 warranty 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 into an 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.