BLU-RSM

Bluetooth Remote Speaker Mic User Guide

Main specification

Model	BLU-RSM
Type of Mic	DSP noise cancellation
Bluetooth Version	V3.0 Class 2
Bluetooth Protocol	HSP, HFP, A2DP, AVRCP, PTT
Charging Time	About 3 hours
Music Playing Time	About 14 hours
Talking Time	About 14 hours
Standby Time	About 500 hours
Work Temperature	-15℃ to 45℃
Storage Temperature	--25℃ to 60℃
Type of Battery	Lithium battery polymer (1600mA/3.7V)

LED light Indicator

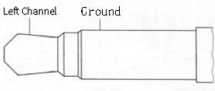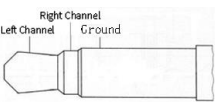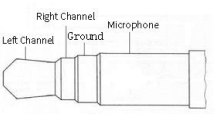| LED Indicator type	Indicated State
All LED Indicators off	Power off
Red/Blue lights flashing alternately	Pairing mode
Blue light flash once per second	Idle mode/working mode
Red light flash once per three second	Low battery

About Charging

LED indicator flash mode	State of indication
Red LED indicator flashing	Charging
Red LED indicator shinning still	Charging completed

PS：1.When charging, the headset will reset the system.

2. When the headset has no connection to the mobile phone or other wireless devices, the headset will automatically be turned off 10 minutes later.

Type of Jack

Type of Jack	diagram	Control of Microphone	Control of right channel
2-section single side earpiece	Left Channel Ground	Built-in Microphone is on.	Need to switch off the right channel to save power consumption. Press "+" and "-" at the same time. The right channel will be turned off and the red light flashes three times.
3-section stereo earpiece	Right Channel Left Channel Ground		Press "+" and "-" until red/blue light flashing to turn on right channel
4-section stereo earpiece	Right Channel Microphone Left Channel Ground	Built-in Microphone is off and out Microphone is on.	Press "+" and "-" until red/blue light flashing to turn on right channel, outside microphone is on while plug in the socket.

Remark： **Channel control and microphone may be different with different type of Jack.**

Button Operation Summary

Button Operation	Function
Press the Power button for 3 seconds/8 seconds	Switch ON/OFF
In the power off status, press the power button for 8 seconds	Bluetooth Pairing
In the power on status, press "PTT" and "_" for 10 second	Clear up the paired record
Connection with computer with USB, press power button and "+" button for 3 seconds	Upgrading program
In paired status, press "PTT" button	PTT function
In working status, press "+"button	Long press for volume increase and short press for next song
In working status, press "-" button	Long press for voice decrease and short press for previous song
In power on status, press the "+" and "-" at the same time	Red light flash 3 times for right channel off and Red/blue flash 3 times for right channel on.

Main Features

1. *Push To Talk Function*

PTT
Push To Talk

1) Connect with Dellking Bluetooth adapter/dongle or the relevant cell phone PTT APP.

2) One Key for PTT function.

3) State LED indicator.

4) Voice indicator of button operation.

5) PTT voice will adapt automatically with the surround environment.

2. *Phone Call*

1) Bluetooth Hands-free to answer the phone call while paring with cell phone.

2) Last call redial,

3) Answer/Reject phone call

4) Hand-free voice memory function.

5) Hand-free voice adapter automatically to surrounding noise.

telecom

3.Music play

1) Support the A2DP profile

2) Capable for listening music from cell phone or other A2DP music resource.

3) Control the music playing of cell phone.

4) Control the music volume.

5) Phone call high priority.

music

4. *Support POC APP*

Support the PTT APP such as Zello, Azetti, Bper, ESChat, etc,. Let's take example of Zello App.

1) Press the Power switch for 8 seconds until a "di" sound, the blue/red flashing alternatively.

2) Open the Bluetooth function and search the device or "Dellking PTT Mic", select the device and connect to cell phone.

3) Open the Zello APP and use the PTT talking function.

Remark: Some of the APP need upgrade before usage.

手机APP
Zello | KODIAK | azetti networks
ESChat | PUSH TO TALK INTERNATIONAL | grouptalk
天翼 surfing | WalkieFleet | Bper

Operation Detail

Power on/power off

1) In power off state, press **Power on/off** button and hold it for about 3 seconds, until hear a "di" tone, release the button, blue indicator will flash to indicate power on successfully.

2) In power on state, press **Power on/off** button and hold it for about 8 seconds, until hear a long "di" tone, all LED indicators will be shut off to indicate the Bluetooth microphone is powered off.

Clear up the paring mode

In power on state, press vol "-" and PTT button for 10 seconds until the red lamp on.

Upgrade Mode

When connected with computer USB port, press vol "+" and switch button for 3 seconds until lamp off.

Pairing BLU-RSM and Bluetooth adaptor with two way radio
1) In the power off state, long press microphone power on/off button for 8s, indicator into red and blue flash alternately.
2) When both BT mic and BT adapter red and blue indicator turn to blue flash slowly, pairing success.
3) Now you can press H3 PTT button to control radio and talk.

Paring BLU-RSM and mobile phone

1) Make sure the BLU-RSM close to mobile phone within 1meter.
2) Make sure the BLU-RSM is powered off.
3) Long press microphone "power on/off" button for 8s, indicator into red and blue flash alternately (Press minus "-" button to while red/blue flashing alternatively. device need to press "-" during pairing stage).
4) Open mobile phone Bluetooth function, then search device "Blu-RSM".
5) Select the device "Blu-RSM" and connect to mobile phone.
Remark：When the paired mobile phone connect to Speaker Mic, you don't need to repair and Speaker Mic can connect to mobile phone automatically at Bluetooth status. Or you can short press the switch button for a few second for the connection.

Phone call
1) When the Bluetooth speaker microphone connected with mobile phone, microphone can handle the phone calls.
2) Answer incoming call: When there is an incoming phone call, short press "power on/off" button to manual answer the call.
3) Reject incoming phone call: Quick double press "power on/off" button to reject a incoming phone call.
4) Hang up call: In call active state, short press "power on/off" button can hang up the call.
5) Audio transfer: In call active state, press the "power on/off" button for three seconds until the di tone to switch mobile phone and Bluetooth microphone, press the "power on/off" button for three second until the di tone to switch Bluetooth microphone back to cell phone.
6) Last number redial: Quick double press "power on/off" Button then the Mobile phone will dial out the last call out number.
(Note: Last number redial function requires the mobile phone support)

PTT talking
1) This function need to pair with Bluetooth Adapter and serve as PTT button to provide wireless communication.
2) Pair the Bluetooth Speaker Mic with Bluetooth Adapter.
3) After successfully paired, press PTT button to communicate with other two way radio.
4) If you want to terminate the conversation to other function, you need to switch off the Speaker Mic and Adapter first and switch on Speaker Mic for other function such as connection with mobile phone.

Stereo music play control and Volume control

1) Play forward: Short press Vol+ Button to select next music.
2) Play backward: Short press Vol- Button to select previous music or song playback.
(Note: The above function requires the mobile phone supports Bluetooth A2DP and AVRCP.
3) Press "power on/off" button to play/pause music.
(Note: The above function requires the mobile phone supports Bluetooth A2DP and AVRCP).

Voice control for Speaker Mic

When listening to music or answering the phone call, press the Vol "+" or Vol "-" to increase the volume or decrease the volume. There's "di" tone to indicator the voice volume to get it max or min volume.

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

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

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.