

BG-SMB-5M

**USB/2.4Ghz Wireless Desktop Conference Speakerphone with 360°
Audio Pickup up to 5m**

User Manual







TABLE OF CONTENTS

Statement	4
Safety Precaution	4
Introduction	5
Features	5
Packing List	5
Technical Specifications	6
Operation Controls and Functions	7
Tech Support	12
Limited Product Warranty Terms	12
Mission Statement	12
Copyright	12



Statement

Please read these instructions carefully before connecting, operating, or configuring this product. Please save this manual for future reference.

Safety Precaution

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent damaging this product, avoid heavy pressure, strong vibration, or immersion during transportation, storage, and installation.
- Do not dismantle the housing or modify the module.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not put any heavy items on the extension cable in case of extrusion.
- The housing of this product is made of organic materials. Do not expose to any liquid, gas, or solids which may corrode the shell.
- Unplug this device during lightning storms.
- Do not use liquid or aerosol cleaners to clean this unit. Clean only with a soft dry microfiber cloth.
- If an object or liquid falls or spills on to the housing, unplug the module immediately.
- To prevent the risk of electric shock, do not open the case. Installation and maintenance should only be carried out by qualified technicians.
- Do not use the product beyond the specified temperature, humidity, or power supply specifications.
- This product does not contain parts that can be maintained or repaired by users. Damage caused by dismantling the product without authorization from BZBGear is not covered under the warranty policy.
- Installation and use of this product must strictly comply with local electrical safety standards.
- Product specifications may be subject to technical upgrades without further notice.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.
- Please keep the device away from motors, transformers and other electronic devices to avoid noise.
- This device should be placed in a horizontal position, not wall mounted or ceiling mounted.



Introduction

The BG-SMB-5M is a full duplex 16kHz echo canceling speaker-phone. The voice pickup radius is 5m, which is ideal for one-on-one and small to medium group conference calls. It uses wireless and USB connections to replace PC and smartphone speakers and microphones with outstanding audio quality. The USB interface can be connected to a PC or other video conference terminals, mobile phones, tablets, and other smart devices that can connect using 2.4Ghz.

Features

- Ensures everyone experiences clear sound with the 4 built-in omnidirectional microphones within 5m (360°) pick up radius. Supports 2 expansion mics which pick up voices at a range of 8m (360°).
- Seamless Connectivity: The simple plug and play set up via USB or 2.4Ghz gets your meetings started quickly.
- Equipped with a 3.5mm headset port that allows users to switch from a conference call to a private conversation.
- Full duplex echo cancellation and noise reduction, Ultra Wideband HD Voice Call Technology provides Crystal clear sound without any echoes or distortion.
- Intuitive red, green, and blue LED indicators give you visual guidance
- Volume of the speaker can reach 85dB. Device can connect to an external speaker if you need a louder volume.
- Compatible with all leading video conferencing programs such as ZOOM, Vidyo, WebEx, Skype for business, Google hangout, etc.

Packing List

- | | |
|-----------------------------|-------------------------------|
| • 1x BG-SMB-5M unit | • 1x 3.5mm Stereo Audio Cable |
| • 1x USB Cable | • 1x User Manual |
| • 1x 2.4G Wireless Receiver | • 1x Quick Start Guide |
| • 1x Power adapter | |

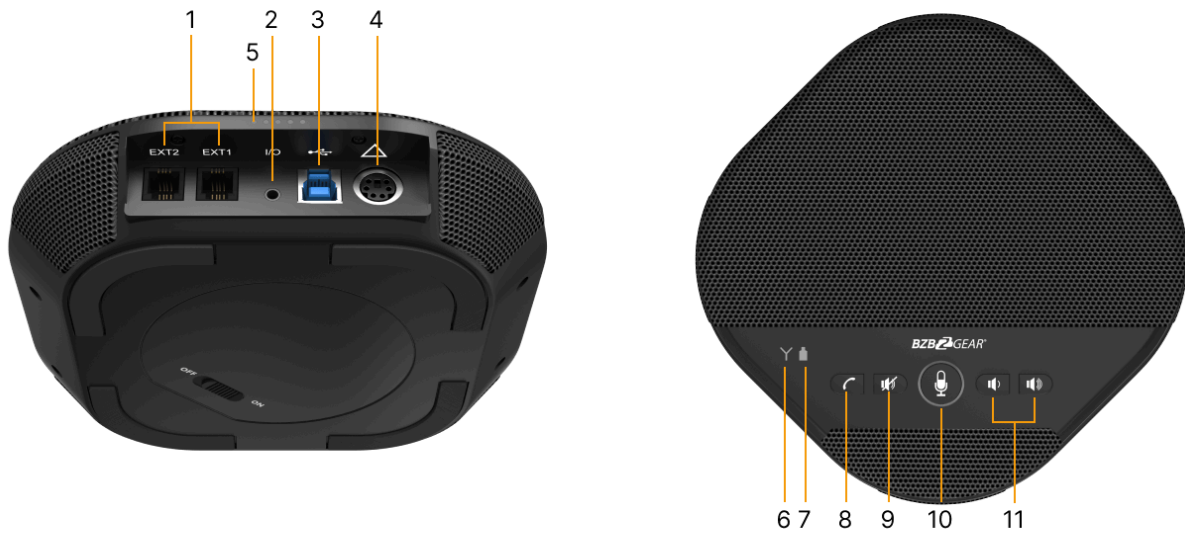


Technical Specifications

General	
Voice technical parameters	Acoustic Echo cancellation (AEC): >65dB Echo length cancellation: ≥500ms Bidirectional noise compression (NC): <25dB Automatic Direction finding Technology of Intelligent microphone (EMI) Automatic gain control (AGC)
Audio parameters	Microphone frequency response: 100Hz-22KHz Speaker frequency response: 100Hz-22KHz Speaker volume: 95dB at the most Microphone sound-pickup diameter: 5m 360° full range (2 external microphones optional for connection makes the sound-pickup diameter up to 8m)
Interface	USB interface, RJ45 Ext1, Ext2, I/O line in/out, DIP6 interface
Power supply	USB power supply (5V/500m)
Computer environment	Windows, Mac OS X, Android
Operating environment	Operational environment: 0 ~ 40°C Working humidity: 20 ~ 85% (no frost)
Size	180 x 180 x 42mm / 355 x 265 x 120mm (before/after packaging)
Weight	1.3 lbs / 2.6 lbs [600g/1200g] (Net/Gross weight)



Operation Controls and Functions



1. **Ext1 and Ext2:** RJ11 connectors for extension mic BG-EXM-SM5 (optional).
2. **In/Out:** 3.5mm stereo mini line in/out.
3. **USB** interface (rechargeable).
4. **Din6:** Not used.
5. **LED** status bar indicates volume level.
6. **2.4G** indicator.
7. **Battery** indicator.
8. **Answer/hang up:** Answer/Hang up call.
9. **Speaker mute:** Turn on/off speaker mute function.
10. **Microphone mute:** Turn on/off microphone mute function.
11. **Volume up/down:** Increase/Reduce the volume.



Button

Button	Function	Description
OFF ON	Power on/off	Long press 3 seconds to turn on/off the device
	Volume up/down	Increase/decrease the volume
	Speaker mute	Turn on/off speaker mute function
	Answer/hang up	Answer/Hang up call
	Microphone mute	Turn on/off microphone mute function
	PC mode	Long press 5 seconds to enter PC mode, exit mobile mode, working indicator flash 3 times.
	Mobile mode	Long press 5 seconds to enter mobile mode, exit PC mode, working indicator flash 2 times.
	Echo cancellation	Long press 5 seconds to enter/exit echo cancellation mode

LED Indicator Function

The device works normally	Blue indicator on	
Volume indicator	Green indicator flashes	Speaker mute
	Red indicator on	Microphone mute
	Green and red indicator alternating flash	Both speaker and microphone mute
Y type/battery indicator	Y type	2.4G and Bluetooth connect green indicator on
	Battery indicator	1.Red indicator flashes if the remaining battery power is less than 15%. 2.Green indicator flashes while charging. 3.Green light on means full of electricity.

Charging instructions

Please charge before using it as a wireless/Bluetooth device.

This device comes with a built-in rechargeable battery, please charge it with the included USB cable and power adapter, or charge by connecting the device to PC.

Note: Device takes 2-3 hours to be fully charged.

Basic Connection

This device can be connected via the included USB cable as a speaker and a microphone.



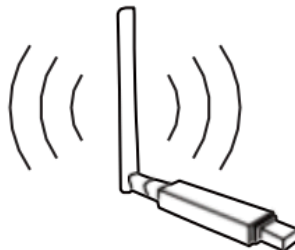
1. Supports Windows, IOS, Android, etc. with a USB port.
2. PC and other devices will automatically recognize and install the device.
It will take approximately 1 minute to show successfully installed for first use on a new connected device..
3. Blue LED indicator will be on when connected successfully.



USB connecting cable

2.4G Wireless Connection

1. Plug the 2.4G Wireless Receiver to PC or other devices.
2. Turn on the button of the device.
3. PC or other devices will automatically recognize and install the device. It will take approximately 1 minute to show successfully installed for first use on a new connected device.
4. Blue LED indicator will be on when connected successfully.
5. Open your conference platform of choice and set the audio input and output to BG-SMB-5M.



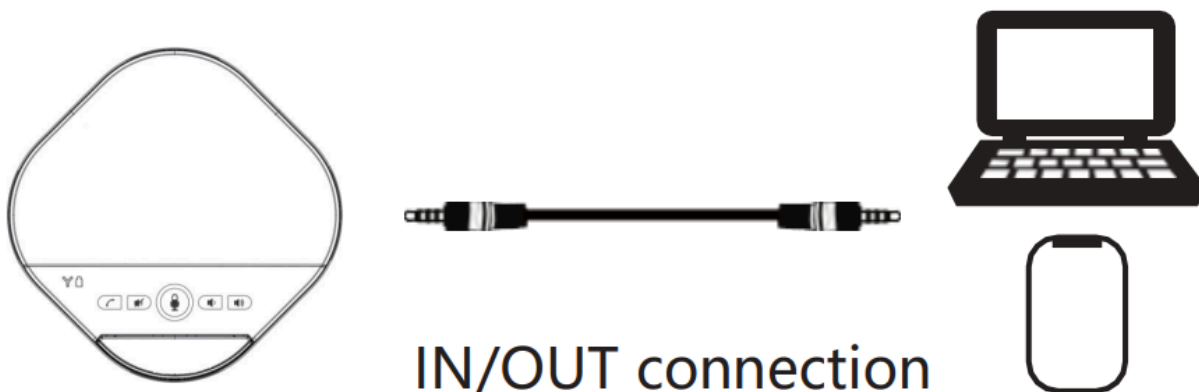
2.4G wireless connection

IN/OUT connection

1. Connect the included cable to a source device to use the unit as a speaker.

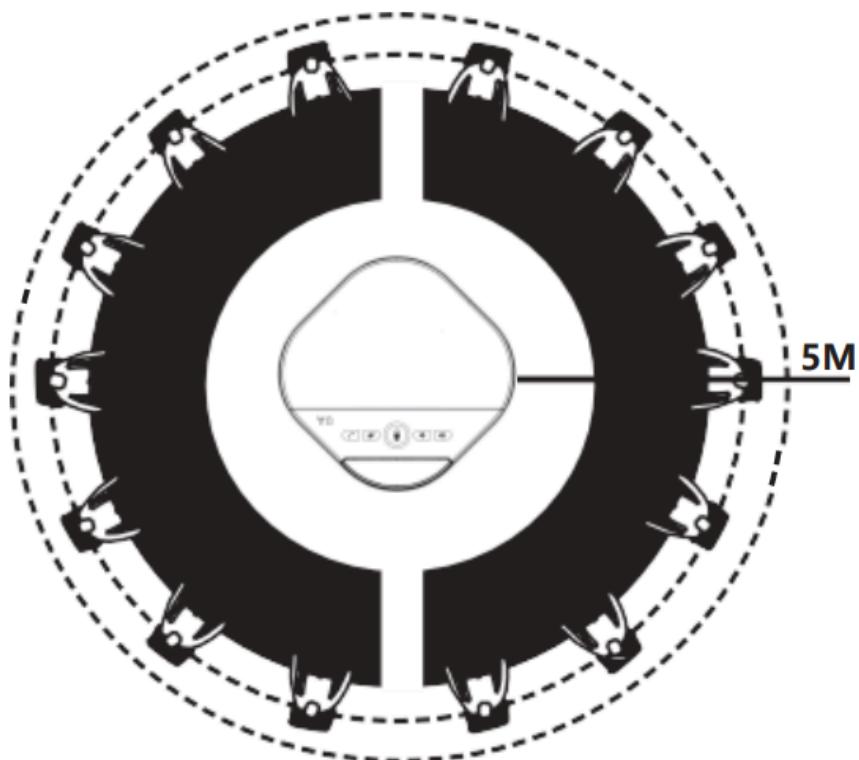


Note: When the terminal device is PC, please set it as PC mode. When the terminal device is the mobile phone, please set speakerphone to “mobile mode.”





Pick up range



5m radius pick up range, fit for small to medium meeting rooms.

Function Diagram



Home based worker



Small - medium
business conference call



Omnidirectional call



Audio playback



Tech Support

Have technical questions? We may have answered them already!

Please visit BZBGear’s support page (bzbgear.com/support) for helpful information and tips regarding our products. Here you will find our Knowledge Base (bzbgear.com/knowledge-base) with detailed tutorials, quick start guides, and step-by-step troubleshooting instructions. Or explore our YouTube channel, BZB TV (youtube.com/c/BZBTVchannel), for help setting up, configuring, and other helpful how-to videos about our gear.

Need more in-depth support? Connect with one of our technical specialists directly:

<u>Phone</u>	<u>Email</u>	<u>Live Chat</u>
1.888.499.9906	support@bzbgear.com	bzbgear.com

Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit bzbgear.com/warranty.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Mission Statement

BZBGear is a breakthrough manufacturer of high-quality, innovative audiovisual equipment ranging from AVoIP, professional broadcasting, conferencing, home theater, to live streaming solutions. We pride ourselves on unparalleled customer support and services. Our team offers system design consultation, and highly reviewed technical support for all the products in our catalog. BZBGear delivers quality products designed with users in mind.

Copyright

All the contents in this manual and its copyright are owned by BZBGear. No one is allowed to imitate, copy, or translate this manual without BZBGear’s permission. This manual contains no guarantee, standpoint expression or other implies in any form. Product specification and information in this manual is for reference only and subject to change without notice.

All rights reserved. No reproducing is allowed without acknowledgement.