UNIWA

Born for Love

BM008

User Manual V1.0

Welcome to UNIWA BM008

This is a handheld Bluetooth walkie-talkie microphone that can pair with smart walkie-talkies, vehicle walkie-talkies, smartphones, and tablet pc. It allows for PTT, SOS and volume control. It is compatible with PoC walkie-talkie applications such as Zello, Pocstars, and RealPTT. Suitable for various scenarios including construction, security, elderly care, restaurant ordering, logistics, and property management, it provides an efficient and convenient real-time wireless communication solution, improving communication efficiency and collaboration convenience.

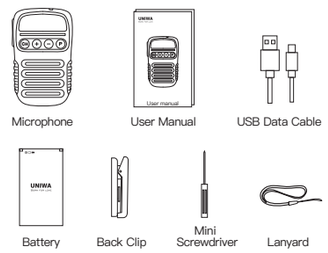
Table of Contents

1. WARNING....02
2. Packing List....03
4. Function Overview....03
5. Battery Installation....04
6. Pairing Instructions....06
   - 1. App Download and Login....06
   - 2. Bluetooth Pairing and Usage....06
7. Buttons & Indicator Function Table....07
   - 1. Button Function....07
   - 2. Indicator Function....08
8. Product Specifications....08
   - 1. Basic Information....08
   - 2. Hardware....09
   - 3. I/O Interfaces....09
   - 4. Network & Connectivity....09
   - 5. Accessories....10
9. Troubleshooting....11

WARNING

- This device is not waterproof; do not immerse it in your hands.
- disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion; leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- Avoid holding the speaker close to your ear while the device is operating to prevent hearing damage from high volume. Adjust the volume to a suitable level for your environment.
- Please obey local traffic regulations during use to prevent traffic accidents.
- People wearing pacemakers or other electronic medical devices should maintain a certain distance from the device (recommended ≥10cm) to prevent electromagnetic interference with the device's normal operation.
- If the device malfunctions (e.g., no sound, inability to charge, abnormal Bluetooth connection), do not attempt to repair it yourself. Contact official after-sales service or a professional for assistance.

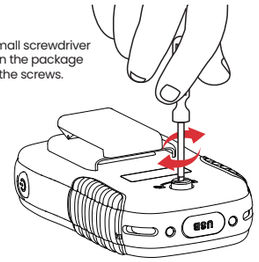
Packing List



Function Overview

Battery Installation

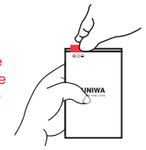
1. Use the small screwdriver included in the package to loosen the screws.



2. Slide the back cover down to open it as figure shown.

3. Install the battery into the device.

Note: Before installing the battery, be sure to remove the insulating tape on the battery contacts.



Pairing Instructions

UNIWA BM008 has been successfully adapted to three public network walkie-talkie apps: **Zello**, **Pocstars**, and **RealPTT**. The steps are as follows:

1. App Download and Login

Download and install any one of the three apps from the app store of your smartphone, smart walkie-talkie, or tablet pc, or from the corresponding app's official website, and log in to your account.

Account and Pricing Information:

- **Zello** (Starter Version) is free; you can register by yourself.
- **Pocstars** (Trial Account) can be obtained by scanning the QR code on the trial card inside product package.
- **RealPTT** is a paid version.

2. Bluetooth Pairing and Usage

- Press and hold the BM008 power button for 3 seconds. The indicator light will flash, indicating the device is in pairing mode.
- Turn on Bluetooth on your phone/smart walkie-talkie/tablet pc, search for and connect to "BM008".
- After pairing, you can use the Bluetooth microphone normally.

For detailed instructions, please refer to the video tutorial: https://youtu.be/_wdBoYBj-N8

Note: For compatibility with other walkie talkie apps,

please send an email to sales@cwelltech.com, and we will provide you with UNIWA BM008 compatibility file.

Buttons & Indicator Function Table

Button Function		
SOS button	SOS	Press and hold for 3 sec
Group switch (CH)	Group switch page up	Single click V+
	Group switch page down	Single click V-
	Enter the group switching mode	Single click CH
V+	Volume up	Single click
V-	Volume down	Single click
ON/OFF	Turn on	Press and hold for 3 sec.
	Turn off	Press and hold for 3 sec.
P	Answer the call	Single click
	Hang up the call	Double click
	Decline	Double click
	The next piece of music	Double-click the "P" key
	One piece of music	Press the P key three times
PTT	Push to Talk	Push to Talk
	Release to End	Release to End
Encryption	Encryption Type	To receive APP command when radio is on

Indicator Function			
Description	**Function indicator** (green light)	**Description**	**Power indicator** (Red light)
Power on	Red light on for 1 seconds then off	Power on	Green light on for 3 seconds then off
Power off	Red light on for 1 seconds then off	Power off	Green light on for 3 seconds then off
BT match	Fast-blink	Low battery	Fast-blink
PTT calling	green light on	Undercharging	Red light on
Group switch	green light on		
SOS	green light on		
Full charged	green light on		

Product Specifications

Basic Information	
Model No.	BM008
Dimension	100.6*61.2*23mm
Weight	129g(Includes battery and back clip)
Material	PC Plastics
Color	Black
Frequency and Power	Bluetooth: 2402-2480MHz(0.26 dBm) BLE 1M: 2402-2480MHz(-0.01 dBm)

Hardware	
Battery	Removable 3.7V/1800mAh (BL-10C)
Speaker	3W/8Ω (108dB)
Buttons	PTT button, SOS button, Volume +/- buttons, Power button, P button, CH button
Indicator lights	RGB
I/O Interfaces	
3.5mm interface	*1
USB Type-C	*1
Charging contacts	*2
Network & Connectivity	
Bluetooth protocol	V5.2
BT	HFP, HSP, A2DP, AVRCP, SPP
Transmission range	~10m
Transmission power	CLASS2, 4DBM
Sensitivity	-80dBm≤0.1%BER
Audio performance	SBC decoding
Signal-to-noise ratio	≥75dB

Accessories	
Battery	*1
Back Clip	*1
USB Cable	*1
Lanyard	*1
User Manual	*1
Mini Screwdriver	*1
Charging Dock	Optional

Troubleshooting

1. BM008 can be found but pairing fails

Clear pairing history: Delete all pairing records for "BM008" on both the phone and walkie-talkie, turn Bluetooth off and on again, then search again.

2. No sound received/sound too low

Adjust volume: Press the microphone volume + button to confirm the app volume is not muted (check both ends).

3. Pairing/app works normally, but pressing PTT button fails to transmit voice

Check app permissions: Grant the other party's walkie-talkie app microphone, Bluetooth, and background running permissions on both the phone and walkie-talkie (disabling permissions will prevent voice capture).

Any 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.

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.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

FCC ID: 2A8NJ-BM008

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