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MAC MAH W-UHF-100 UHF Dual Wireless Microphone System

MAC MAH W-UHF-100 UHF Dual Wireless Microphone System User Manual

Contents

MAC MAH W-UHF-100 UHF Dual Wireless Microphone System

Specifications

- **Transmission frequencies**: 660-690MHz
- **General Frequency band**: UHF
- **Number of channels**: 99
- **Bandwidth:** 30MHz
- **Signal to noise ratio:** > 90dB
- **Total harmonic distortion:** < 0.3%

Product Usage Instructions

Introduction
Thank you for choosing Mac Mah and its W-UHF-100&200 series wireless microphone system. This user's manual covers the following systems:

- **W-UHF-100 (M):** Single channel diversity handheld mic version.
- **W-UHF-200 (M):** Two channel handheld microphone version.

Before using your equipment, we recommend that you read all the instructions in this manual.

Safety Instructions

1. Read all instructions in this manual carefully.
2. There are no user replaceable parts.
3. Do not expose the unit to heat, rain, or any source of moisture.
4. Handle the microphone with care, do not drop it.
5. Modification of the device will void the warranty.

System Operation – Handheld Mic Version

1. When the RF light on the receiver stops flashing and turns green, the match is complete.

2. Press the SET button on the transmitter to exit the frequency match mode.

3. Press the frequency control knob (CH+/CH-) on the transmitter to change the frequency. Use a different frequency when using 2 or more microphones at one time.

FAQ

1. **Q: What frequency band do the UHF systems operate in?**
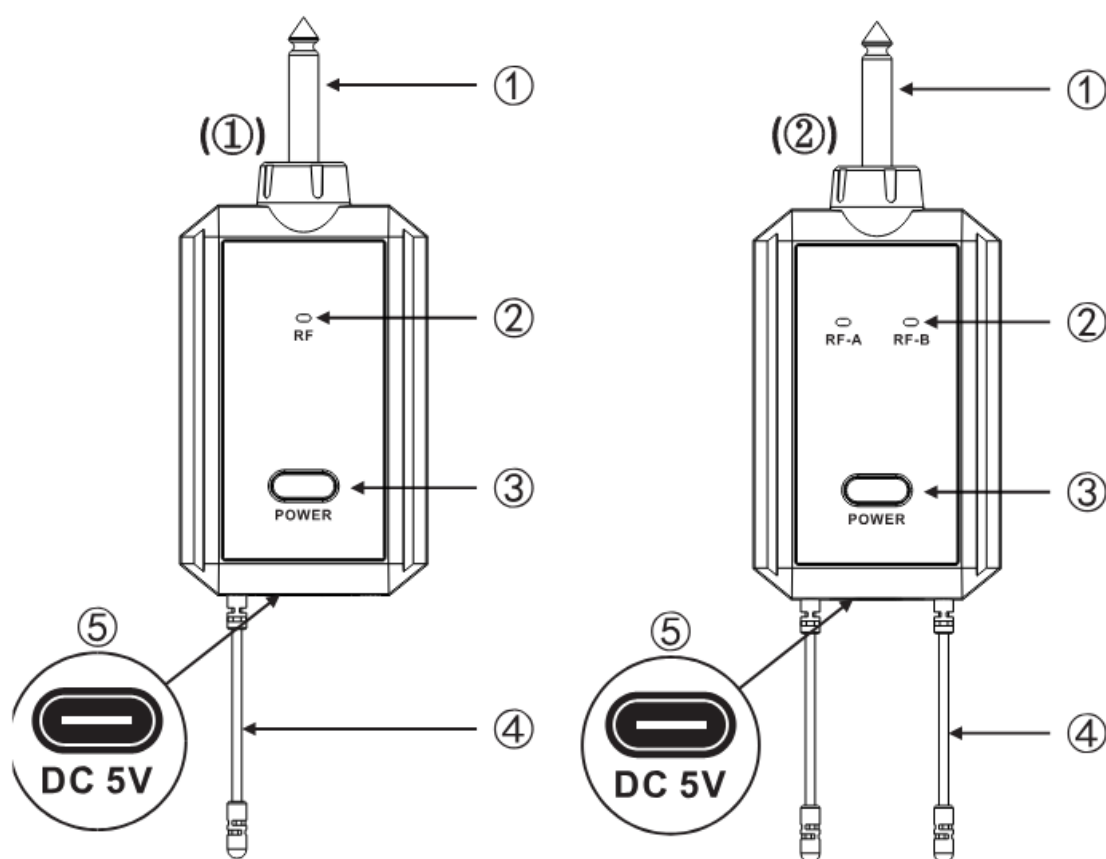
   A: UHF systems operate in the 660 MHz to 690 MHz frequency band.

2. **Q: How many channels are available in the system?**

   A: The system provides 99 channels for selection.

W-UHF-100&200
UHF DUAL WIRELESS MICROPHONE SYSTEMS

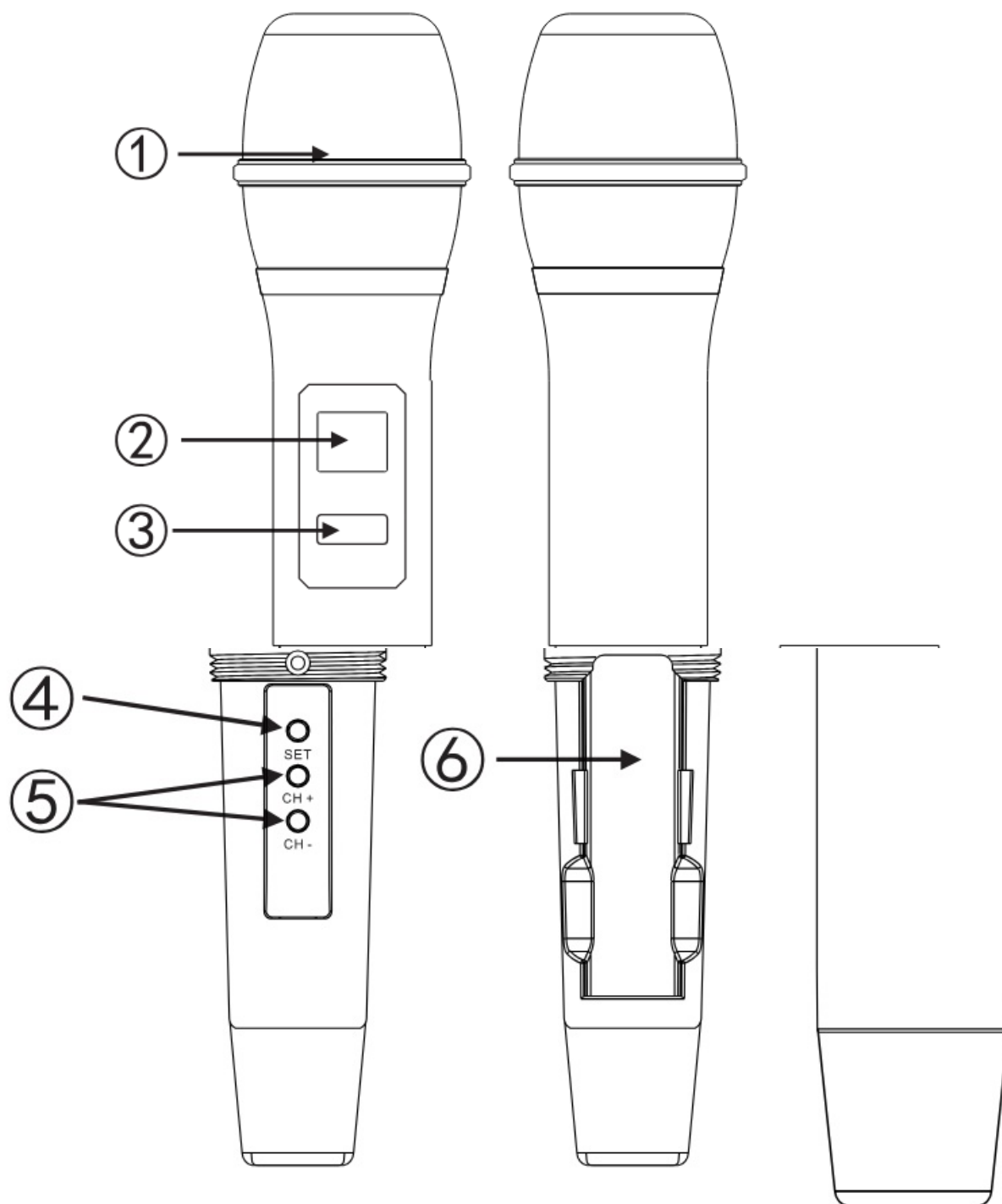1. Audio output connector 6.35mm jack

2. UHF signal reception indicator light.

   This indicator also serves as a battery charge level indicator. When the battery is charging, the light flashes. When the battery is fully charged, the indicator is fixed.
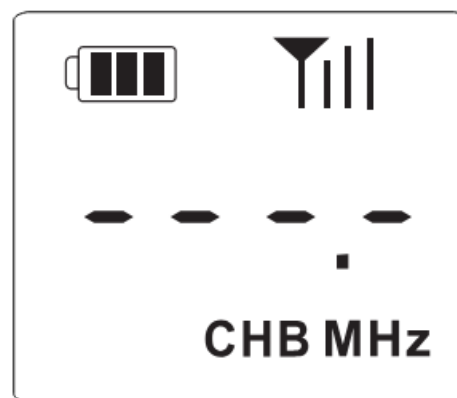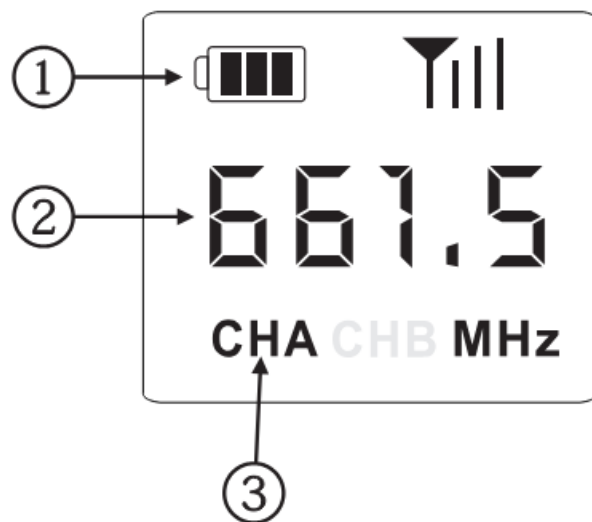
3. Power button

4. UHF signal reception antennas

5. USB-C socket for charging the battery

1. Grid

2. Control screen

3. ON/OFF switch

4. IR pairing button

5. Channel selection

6. Battery cover

mute display interface

1. Battery charge indicator
2. Frequency in use
3. Channel used

INTRODUCTION

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1. Read all instructions in this manual carefully.

2. There are no user replaceable parts.

3. Do not expose the unit to heat, rain or any source of moisture. source of moisture.

4. Handle the microphone with care, do not drop it.

5. Modification of the device will void the warranty.

FREQUENCES & CONFORMITY

 UHF systems operate in the 660 MHz to 690 MHz frequency band. MacMah declares that the W-UHF-100&200 series wireless microphone systems comply with the European Directive 2014/53/EU.

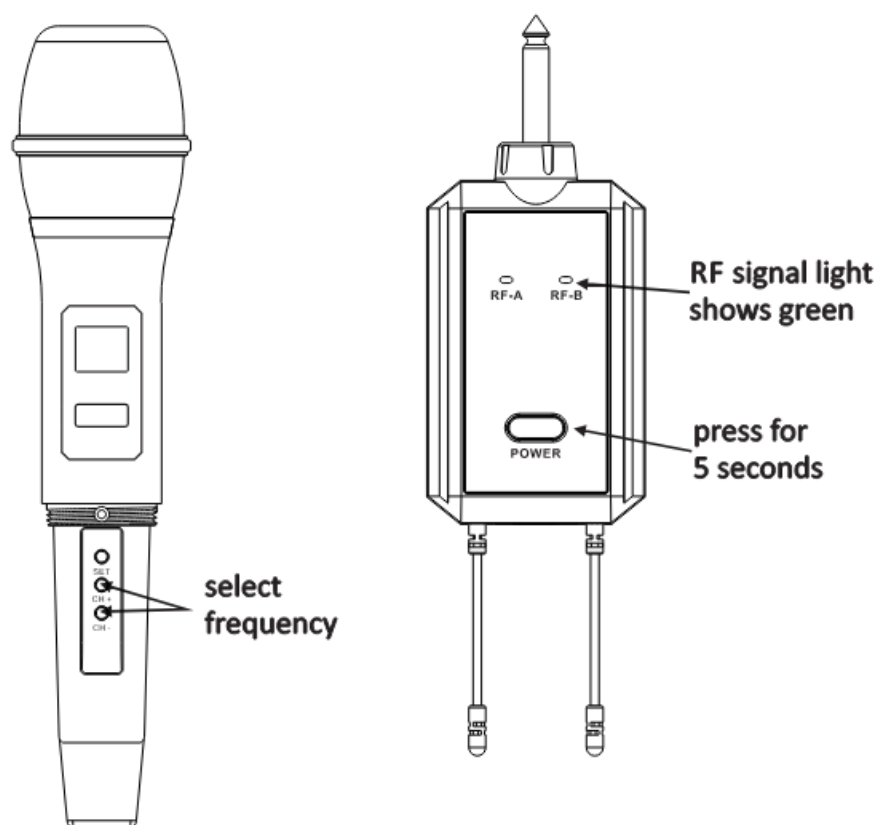### W-UHF-100&200 SYSTEM OPERATION -HANDHELD MIC VERSION

1. Unpack all the components of the system. We recommend that you keep your packaging.

2. Connect the AC adapter to the power connector on the back of the receiver and receiver and then to the power outlet to charge its internal battery.

3. Then plug this receiver into the audio input of your speaker/console.

4. Press the power switch on the receiver, the power indicator will light up.

5. On the handheld microphone, open the battery compartment. Insert the batteries in the direction shown.

6. Turn on the handheld microphone, if the battery indicator light flashes, your batteries are low.

7. Press the SET button for 10 seconds, you will see «…» appear on the microphone screen.

   Then, when the receiver is in the off state, press and hold the power button for 5 seconds and the RF signal light will flash green/red, indicating that it is entering the matching mode.

   When the RF light on the receiver stops flashing and turns green, the match is complete. Press the SET button on the transmitter to exit the frequency match mode

   Press the frequency control knob (CH+/CH-) on the transmitter to change the frequency. Use a different frequency when using 2 or more microphones at one time.

TECHNICAL SPECIFICATIONS

Transmission frequencies: 660-690MHz

General

- Frequency band : ……………………………………………………………. UHF
- Number of channels: ………………………………………………….. 99
- Bandwidth ……………………………………………………………….30MHz
- Signal to noise ratio : ………………………………………………….. > 90dB
- Total harmonic distortion : ………………………………………………… < 0,3%

Receiver

- Power supply : ………………………………………………………………… DC 12V/500mA
- Consumption : ………………………………………………………………… < 3W

- Audio signal level : …………………………………………………….. 400 mV
- Signal to noise ratio : …………………………………………………... > 96dB
- De-Emphasis : …………………………………………………………… 50 µs

Handheld mic

- Power supply : ………………………………………………………… 2x 1.5V AA
- Emission power : ……………………………………………………….. 30mW Max.
- Type of modulation : …………………………………………………… FM
- Max. deviation : …………………………………………………………. +/- 25 kHz
- Average autonomy : …………………………………………………… 6 heures
- Average distance : ……………………………………………………. 50m Max. 80m
- Micro capsule type : …………………………………………………… Unidirectional dynamic microphone

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References

- **User Manual**