

Froket FU-2002

Froket FU-2002 Wireless Microphone System User Manual

Model: FU-2002 (1 Handheld & 1 Bodypack Combo)

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Froket FU-2002 UHF Wireless Microphone System. This system includes one handheld microphone and one bodypack transmitter with a lavalier and headset microphone, designed for various audio applications.

1.1 Package Contents

- Receiver (1)
- Handheld Microphone (1)
- Bodypack Transmitter (1)
- Lavalier Microphone (1)
- Headset Microphone (1)
- Audio Cable (1)
- Power Plug (1)
- Owner's Manual (1)

2. PRODUCT OVERVIEW

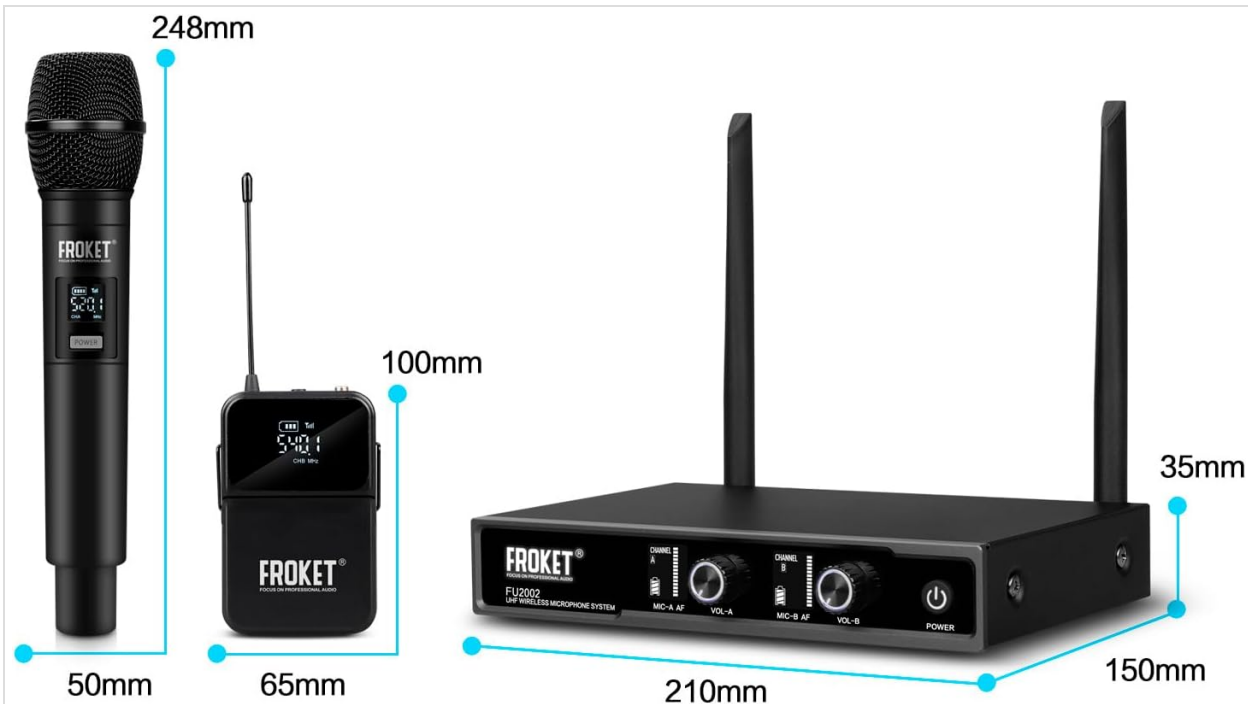
Familiarize yourself with the components of your Froket FU-2002 Wireless Microphone System.



Figure 2.1: Complete Froket FU-2002 Wireless Microphone System including receiver, handheld microphone, bodypack transmitter, lavalier microphone, and headset microphone.

2.1 Receiver

The receiver unit processes audio signals from the microphones and connects to your audio system. It features two channels (A and B) for independent microphone control.



MICROPHONE PARAMETER:

- 1: Frequency range 520.30~579.30MHz
- 2: Channel number A, B channel 30 (conservative value) each time pairing, the ID code changes randomly, in the frequency range set by the manufacturer.
- 3: Oscillator mode DSP chip frequency lock
- 4: Frequency stability $\pm 10\text{ppm}$
- 5: RF power 10dBm
- 6: The frequency is 40 to 18000Hz
- 7: Distortion degree $\leq 0.5\%$
- 8: Battery specifications 1.5V x 2/2 AA Size alkaline batteries
- 9: Continuation time 4-6 hours
(depending on battery type and capacity)

RECEIVER PARAMETER:

- 1: Frequency range 520.30~579.30MHz
- 2: Number of channels A, B channel 30(conservative value) each time pairing, the ID code changes randomly, in the frequency range set by the manufacturer.
- 3: Oscillator mode DSP chip frequency lock
- 4: Rate stability $\pm 10\text{ppm}$
- 5: Receiving sensitivity -95~-71dBm
- 6: The frequency is 40 to 18000Hz
- 7: Distortion degree $\leq 0.5\%$
- 8: The signal-to-noise ratio $\geq 90\text{dB}$
- 9: Audio output 350mv(Max)
- 10: DC voltage DC 12V 5W

Figure 2.2: Dimensions of the receiver (210mm x 150mm x 35mm), handheld microphone (248mm x 50mm), and bodypack transmitter (100mm x 65mm).

2.2 Handheld Microphone

The handheld microphone is designed for vocal performances and presentations. It features a dynamic, heart-shaped pickup pattern for focused sound capture and noise reduction.

DYNAMIC

HEART-SHAPED PICKUP

For greater gain, the ideal living environment requires noise elimination.

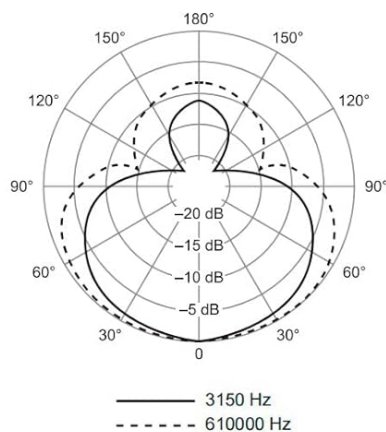


Figure 2.3: Illustration of the handheld microphone's dynamic heart-shaped pickup pattern, showing its directional sound capture characteristics.

2.3 Bodypack Transmitter with Lavalier and Headset Microphones

The bodypack transmitter allows for hands-free operation when used with the included lavalier (clip-on) or headset microphones. It transmits audio wirelessly to the receiver.

3. SETUP INSTRUCTIONS

3.1 Battery Installation

Both the handheld microphone and the bodypack transmitter require 2 AA batteries each (not included).

1. **For Handheld Microphone:** Unscrew the bottom part of the microphone to reveal the battery compartment. Insert two AA batteries, ensuring correct polarity.
2. **For Bodypack Transmitter:** Open the battery cover on the back of the bodypack. Insert two AA batteries,

observing correct polarity.

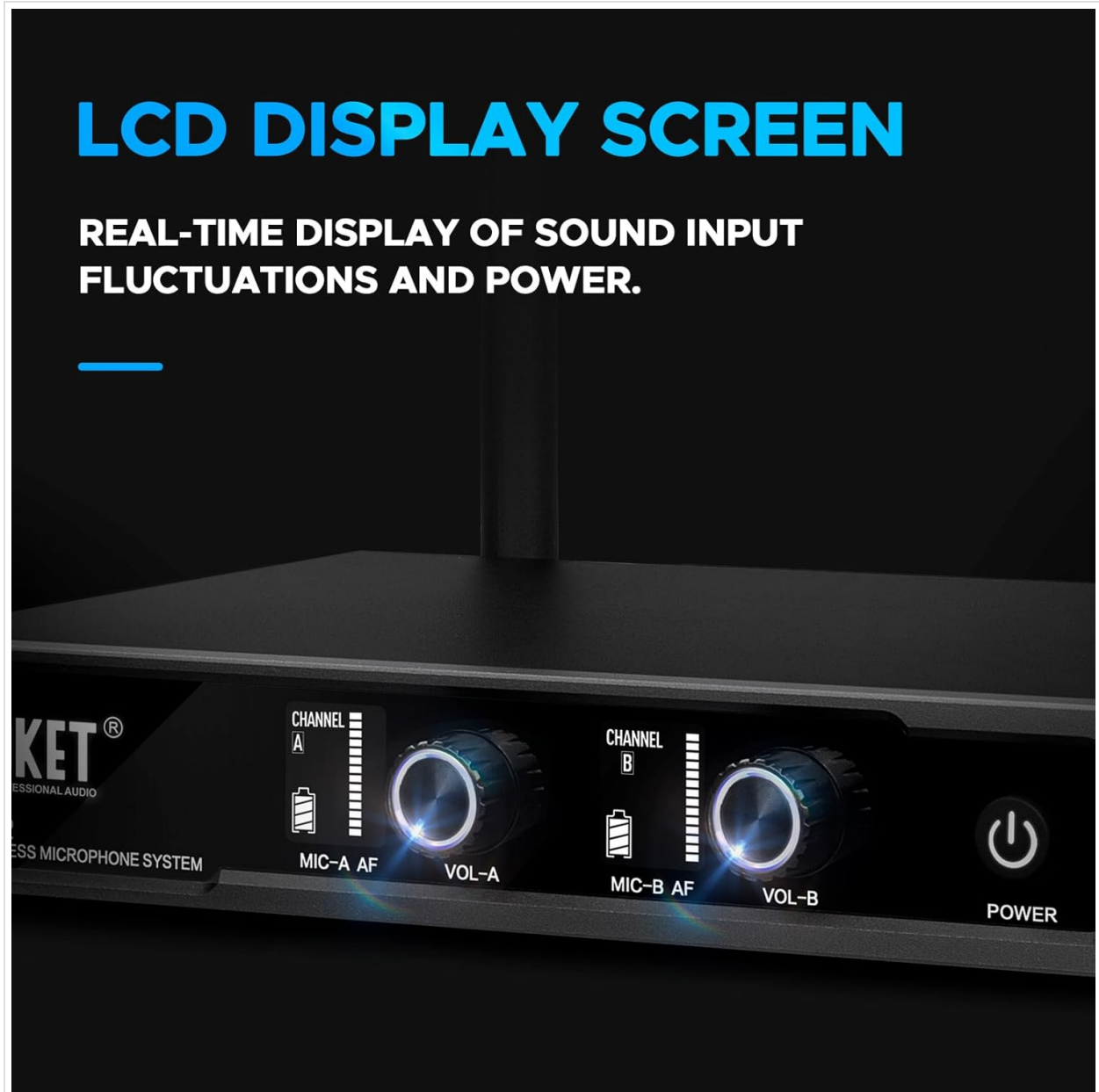


Figure 3.1: Inserting AA batteries into the handheld microphone.

OUTPUT CONNECTION

USE A CANNON OR 6.5MM AUDIO CABLE

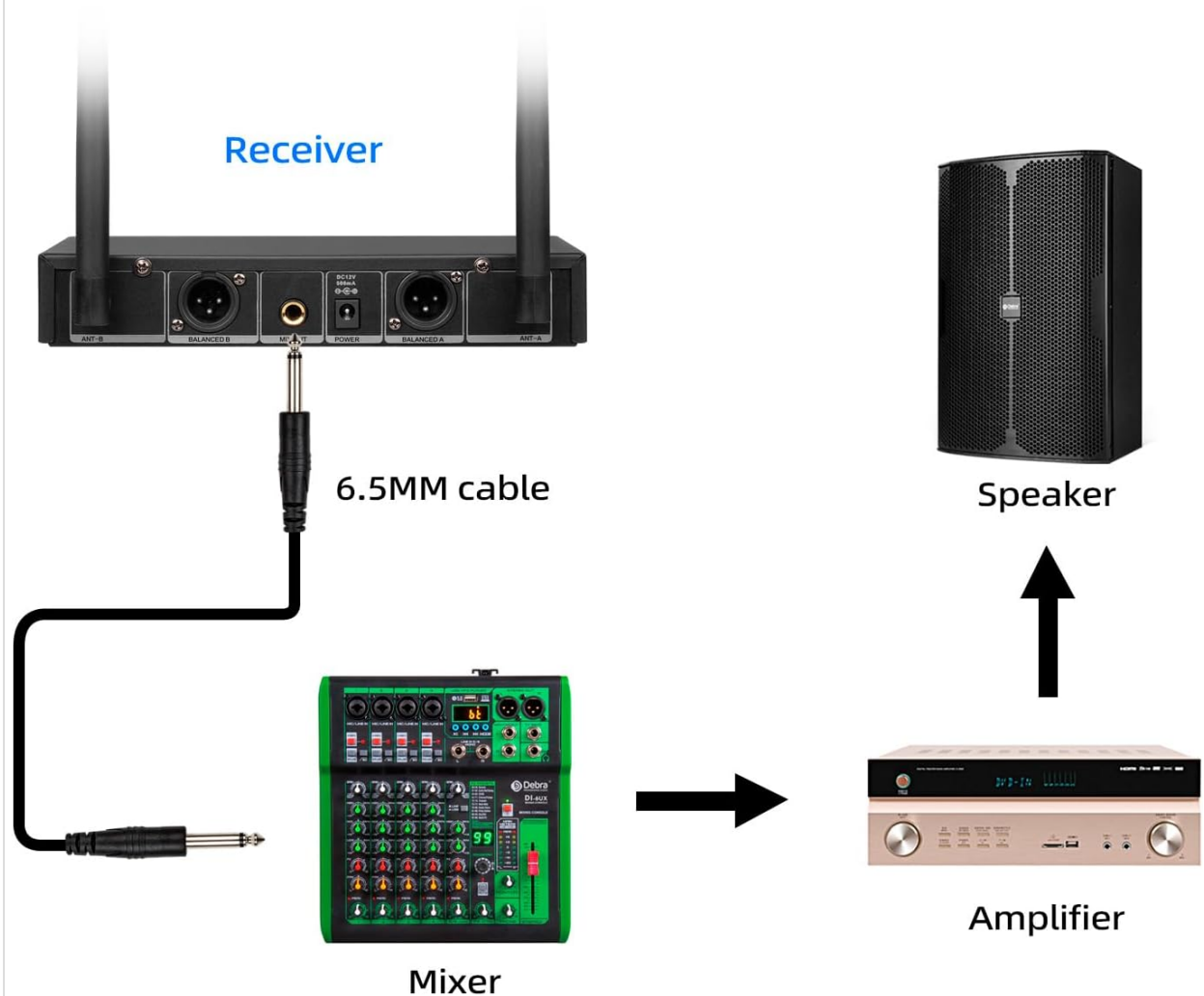


Figure 3.2: Inserting AA batteries into the bodypack transmitter.

3.2 Connecting Lavalier/Headset Microphone to Bodypack

To use the lavalier or headset microphone, connect it to the bodypack transmitter.

1. Locate the input jack on the bodypack transmitter.
2. Insert the connector of the lavalier or headset microphone into the jack.
3. Rotate the connector clockwise to tighten and secure the connection.

FANNY PACK LAUNCH

WITH HEADWEAR OR LAPEL MICROPHONE



Figure 3.3: Rotary tightening mechanism for connecting the lavalier microphone to the bodypack transmitter.

3.3 Receiver Connection to Audio System

Connect the receiver to your audio mixer, amplifier, or powered speaker.

1. Connect the provided power adapter to the receiver and a power outlet.
2. Use the included audio cable (6.5mm) to connect the receiver's MIX OUT jack to an input on your mixer or amplifier.
3. Alternatively, for separate channel control, use XLR cables (not included) to connect the BALANCED OUT A and BALANCED OUT B ports on the receiver to individual XLR inputs on your mixer.
4. Ensure all connections are secure.

OCCASION APPLICABLE

STAGE SINGING, BAND PERFORMANCES, PARTY



Figure 3.4: Connection diagram showing the receiver connected to a mixer via a 6.5mm cable, then to an amplifier, and finally to a speaker.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

1. **Receiver:** Press the POWER button on the front panel of the receiver to turn it on. The display will illuminate.
2. **Microphones:** Press and hold the POWER button on the handheld microphone or bodypack transmitter to turn them on. The displays will show battery level and frequency.
3. To power off, press and hold the POWER button on each device until the display turns off.

4.2 Automatic Pairing

The Froket FU-2002 system features automatic pairing. Once the receiver and microphones are powered on, they should automatically synchronize to an available channel. The receiver tracks two devices across 30 channels simultaneously.

4.3 Channel Selection and Frequency Adjustment

The system offers 30 adjustable channels per microphone. If interference occurs, you can manually change

the channel:

1. On the handheld microphone or bodypack transmitter, briefly press the POWER button (or a dedicated SET button if available) to cycle through available channels.
2. Observe the receiver's display to confirm the channel change and signal strength.



Figure 4.1: Handheld microphone display indicating battery level, frequency, and current channel (CHA). The power button can be used for channel adjustment.

4.4 Volume Control

Adjust the output volume for each microphone independently using the VOL-A and VOL-B knobs on the receiver's front panel. Further volume adjustments can be made on your connected audio mixer or amplifier.

USES AA BATTERIES

IT CAN BE USED FOR 4~5 HOURS



Figure 4.2: Receiver front panel with LCD displays for Channel A and Channel B, showing signal input fluctuations and individual volume controls.

4.5 Operating Range

The system provides a wireless operating range of up to 260 feet (80 meters) in open space. Environmental factors such as walls, obstacles, and other wireless devices may affect the actual range.

5. MAINTENANCE

5.1 Battery Replacement

Replace batteries in the handheld microphone and bodypack transmitter when the battery indicator on their displays shows low power. Always use fresh AA alkaline batteries for optimal performance.

5.2 Cleaning

Wipe the receiver, microphones, and cables with a soft, dry cloth. Do not use liquid cleaners or solvents, as they may damage the components.

5.3 Storage

When not in use, store the system in a dry, cool place away from direct sunlight and extreme temperatures. Remove batteries from microphones if storing for extended periods to prevent leakage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Microphone/receiver not powered on; low batteries; incorrect cable connection; receiver volume too low; microphone not paired.	Ensure all devices are powered on. Replace batteries. Check all audio cable connections. Increase receiver volume. Verify microphones are paired with the receiver.
Interference or static	Other wireless devices operating on similar frequencies; too far from receiver; obstacles blocking signal.	Change the operating channel on the microphone. Reduce distance between microphone and receiver. Ensure clear line of sight. Turn off other nearby wireless devices.
Short operating range	Environmental interference; low batteries; physical obstructions.	Replace batteries. Ensure receiver antennas are fully extended and positioned for optimal reception. Minimize obstructions between transmitter and receiver.
Microphone display not working	Low or dead batteries.	Replace batteries with fresh ones.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Froket
Model Name	Froket UHF Wireless Microphone System (FU-2002)
Connectivity Technology	UHF
Frequency Range	520-579MHz
Number of Channels	2 (30 channels per microphone)
Operating Range	Up to 260 feet (80 meters) in open space
Microphone Form Factor	Handheld, Lavalier, Headset
Power Source	Battery Powered (2x AA per microphone)
Battery Life	4-5 hours (approx.)
Material	Metal, Plastic
Signal-to-Noise Ratio (SNR)	90 dB
Frequency Response	18000 Hz (18KHz)
Audio Sensitivity	71 Decibels
Connector Type	XLR, 6.5mm Jack
Compatible Devices	Amplifier, Audio Mixer, Karaoke Machine

Feature	Specification
Item Weight	0.2 Kilograms (approx. for individual mic/bodypack)
UPC	794414965238

8. WARRANTY AND SUPPORT

8.1 Return Policy

This product is eligible for a 30-day return policy. Please refer to your purchase platform's specific return guidelines for details.

8.2 Customer Support

For technical assistance or inquiries, please contact Frocket customer support. Contact information may be available through your purchase platform or the Frocket official website.

Note: The provided data indicates an email address for Frocket Audio: forket-audio@hotmail.com.