BALILA WM300

BALILA WM300 Wireless Lavalier Microphone System User Manual

Model: WM300 | Brand: BALILA

Introduction

Thank you for choosing the BALILA WM300 Wireless Lavalier Microphone System. This system is designed to provide clear, high-quality audio for various applications, including interviews, YouTube videos, podcasts, live streaming, and online classes. Featuring UHF wireless technology, easy setup, and broad compatibility, the WM300 ensures reliable performance. This manual will guide you through the setup, operation, and maintenance of your new microphone system.



Image: The BALILA UHF Wireless Microphone System, designed to record crystal-clear audio without distortion from your smartphone or

DSLR camera.

Package Contents

Please check the package contents to ensure all items are present:

- 1 x Transmitter
- 1 x Receiver
- 1 x Lavalier Microphone
- 1 x Dual Micro-USB Charging Cable
- 1 x 3.5mm TRS Audio Cable (for cameras)
- 1 x 3.5mm TRRS Audio Cable (for smartphones)
- 1 x Storage Box
- 1 x User Manual (this document)

Product Overview

Transmitter (TX)

The transmitter unit captures audio via the lavalier microphone and sends it wirelessly to the receiver.

Transmitter



Image: Diagram illustrating the components of the transmitter, including microphone input, antenna, display, power button, volume controls, and Micro USB charging port.

- **Microphone Input Socket:** Connect the lavalier microphone here.
- **Antenna:** For wireless signal transmission.
- **Display:** Shows battery status, frequency, pairing status, and signal strength.
- **Power Button:** Press and hold to power on/off.
- **Volume Controls (+/-):** Adjust the microphone input level.
- **Micro USB 5V Charging Port:** For charging the transmitter.

Receiver (RX)

The receiver unit receives the wireless audio signal from the transmitter and outputs it to your recording device.

Receiver

Receiving lossless signals with 0 delay to ensure perfect audio



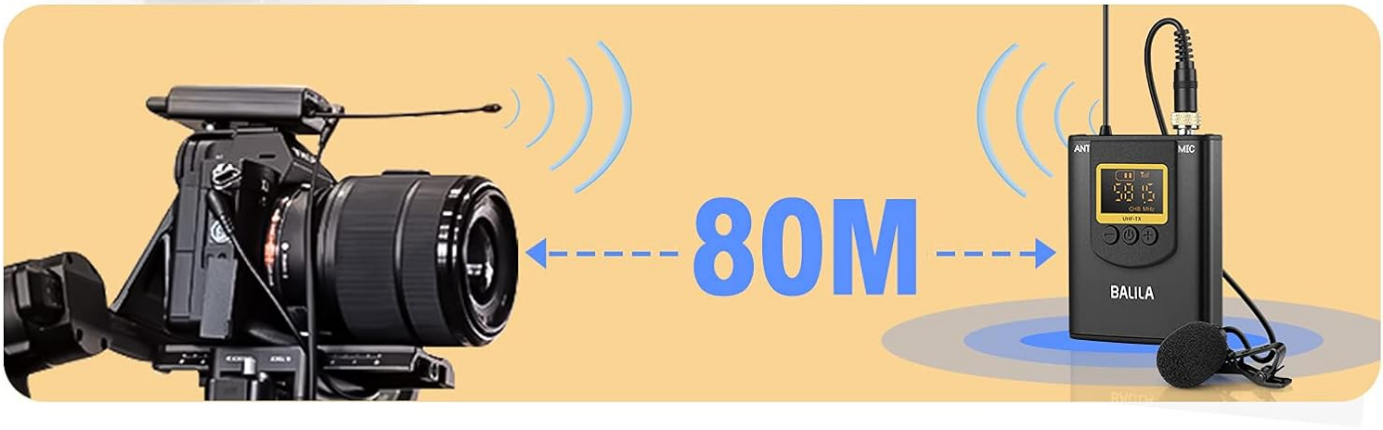


Image: Diagram illustrating the components of the receiver, including power button, working indicator, Micro USB charging port, monitor headset socket, antenna, and 3.5mm microphone output.

- **Power Button:** Press and hold to power on/off.
- **Working Indicator:** Shows operational status.
- **Micro USB 5V Charging Port:** For charging the receiver.
- **Monitor Headset Socket:** Connect headphones for real-time audio monitoring.
- **Antenna:** For wireless signal reception.
- **3.5mm Microphone Output:** Connect to your recording device (camera, smartphone, PC).

Setup and Pairing

The BALILA WM300 system is pre-paired at the factory for convenience. Follow these steps for initial setup:

1. **Charge the Devices:** Ensure both the transmitter and receiver are fully charged using the provided dual Micro-USB charging cable. The LCD display on the transmitter will show battery status.

2. **Connect Lavalier Microphone:** Plug the lavalier microphone into the microphone input socket on the transmitter.
3. **Connect Receiver to Recording Device:**
    - For **Cameras/Camcorders:** Use the 3.5mm TRS audio cable to connect the receiver's 3.5mm output to your camera's microphone input.
    - For **Smartphones (Android/iPhone):** Use the 3.5mm TRRS audio cable to connect the receiver's 3.5mm output to your smartphone's headphone/microphone jack. *Note: iPhone 7 and newer models may require an official Apple Lightning to 3.5mm Headphone Jack Adapter (not included).*
    - For **Laptops/PCs:** Use the appropriate 3.5mm audio cable to connect the receiver's 3.5mm output to your computer's microphone input.
4. **Power On:** Press and hold the power button on both the transmitter and receiver until they power on. The working indicator on the receiver will blink and then stay solid blue once paired. The transmitter's display will show its status.



Image: Visual guide for pairing the microphone system. The steps show pressing the '-' button for 3 seconds on the transmitter, powering on the receiver, and then the receiver indicator staying lit once paired.

If re-pairing is needed: On the transmitter, press and hold the "-" button for 3 seconds until the display blinks. Power on the receiver. The receiver's indicator will blink 4 times and then remain solid, indicating successful pairing.

Operating Instructions

Audio Monitoring

To ensure optimal audio quality, connect headphones to the receiver's monitor headset socket. This allows you to listen to the audio in real-time as it is being recorded, enabling you to adjust levels and prevent issues during your session.



Image: A person monitoring audio with headphones connected to the receiver while recording, ensuring proper sound levels.

Volume Adjustment

The transmitter features volume control buttons (+/-) to adjust the microphone input level. There are 15 adjustable levels. Use the real-time monitoring feature to set the volume to an appropriate level, avoiding distortion or excessively low audio.

Channel Selection

The WM300 system offers 20 selectable UHF channels (570-579.5MHz) to prevent interference. If you experience signal drops or interference, you can change the channel on the transmitter. Refer to the transmitter's display for current channel information.



Image: Close-up of the transmitter's LCD display showing channel and volume settings, indicating 20 channels and 15 volume levels for stable and clear audio.

Omnidirectional Microphone

The lavalier microphone features an omnidirectional polar pattern, capturing sound equally from all directions (360°). This is ideal for interviews, presentations, and situations where the sound source may move or multiple speakers are present.



Image: Diagram illustrating the omnidirectional pickup pattern of the lavalier microphone, showing its ability to capture sound from all around.

Compatibility

The BALILA WM300 Wireless Lavalier Microphone System offers broad compatibility with various recording devices:

- **Smartphones:** Android phones, iPhones (with adapter for newer models).
- **Cameras:** DSLR cameras, camcorders.
- **Computers:** Laptops, desktop PCs.
- **Other Devices:** GoPro (with appropriate adapter, not included).

Note: The system is not compatible with Bluetooth speakers or MacBooks without specific adapters.



Image: A visual chart showing the compatibility of the microphone system with various devices including DSLR cameras, camcorders, desktop PCs, GoPros, Android phones, and iPads/iPhones.



Image: A diagram illustrating how to connect the receiver to different devices like smartphones (Android, iPhone), cameras, camcorders, laptops, and GoPros using various audio cables and adapters.

Charging and Battery Life

Both the transmitter and receiver are equipped with built-in rechargeable lithium-polymer batteries.

- Use the provided dual Micro-USB charging cable to charge both units simultaneously.
- Connect the charging cable to a standard USB power adapter (not included).
- The transmitter's LCD display will show the battery level, allowing you to monitor it easily during use.



Image: Illustration of the integrated rechargeable battery and the dual charging cable, showing how both units can be charged simultaneously.

Maintenance

- Keep the devices clean and dry. Avoid exposure to moisture, dust, and extreme temperatures.
- Use a soft, dry cloth for cleaning. Do not use harsh chemicals or abrasive materials.
- Store the system in the provided storage box when not in use to protect it from damage.
- Avoid dropping or subjecting the units to strong impacts.

Troubleshooting

Problem	Possible Cause	Solution
No sound or low volume	◦ Devices not powered on. ◦ Low battery. ◦ Incorrect cable connection. ◦ Volume too low on transmitter or recording device. ◦ Devices not paired.	◦ Ensure both transmitter and receiver are powered on. ◦ Charge both units fully. ◦ Verify correct audio cable (TRS for camera, TRRS for smartphone) is used and securely connected. ◦ Increase volume on the transmitter and your recording device. ◦ Follow pairing instructions to re-pair the devices.

Problem	Possible Cause	Solution
Interference or poor sound quality	◦ Other wireless devices operating on similar frequencies. ◦ Obstacles between transmitter and receiver. ◦ Distance too far.	◦ Change the operating channel on the transmitter. ◦ Ensure a clear line of sight between transmitter and receiver. ◦ Reduce the distance between the transmitter and receiver (maximum range is 80m/262ft in open areas).
"Popping" sound at the beginning of recording	Microphone not immediately active, slight delay in signal acquisition.	Start speaking a few words before the actual recording begins, then edit out the initial part.
Receiver indicator not solid blue	Devices not paired or out of range.	Ensure both units are powered on and within range. Re-pair if necessary.

Specifications

Feature	Detail
Model Number	WM300
Brand	BALILA
Connectivity Technology	UHF, Auxiliary, USB
Connector Type	3.5mm Jack
Polar Pattern	Omnidirectional
Frequency Range	570-579.5MHz
Number of Channels	20
Volume Levels	15 adjustable levels
Signal-to-Noise Ratio	82 dB
Sensitivity	82 Decibels
Power Source	Battery Powered (1 Lithium-polymer battery included per unit)
Weight	324 Grams (total package weight)
Compatible Devices	iPhone, Android phones, camera, camcorder, laptop, desktop, computer
Special Feature	Volume Control, Real-time Monitoring

Warranty and Support

The BALILA WM300 Wireless Lavalier Microphone System comes with a**12-month manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For technical support, warranty claims, or any questions regarding your product, please contact BALILA customer service through the retailer where you purchased the product. Please retain your proof of purchase for warranty validation.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question