

BALILA WM300 Plus

BALILA UHF Wireless Lavalier Microphone System

MODEL: WM300 PLUS

User Manual

Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your BALILA UHF Wireless Lavalier Microphone System. Designed for crystal-clear audio capture, this system is ideal for content creation, interviews, podcasts, and more, compatible with a wide range of devices including smartphones and DSLR cameras.

Product Overview & Components

Your BALILA UHF Wireless Lavalier Microphone System includes the following components:

- Receiver
- Transmitter (x2 for this model)
- Lavalier Microphones
- Connecting Cables (e.g., 3.5mm TRS, 3.5mm TRRS, USB charging cables)
- Storage Case



Figure 1: Complete BALILA UHF Wireless Lavalier Microphone System with two transmitters, one receiver, lavalier microphones, and accessories in a carrying case.

UHF Wireless Microphone System

Record professional audio without distortion



Figure 2: The BALILA UHF Wireless Microphone System connected to a DSLR camera and a smartphone, demonstrating its versatility for professional audio recording.

Key Features

- **Superior Sound Quality:** Utilizes UHF digital wireless technology for crystal-clear sound transmission with noise cancellation and near-zero delay (0s delay). Offers a transmission range of 80-265 feet.



Figure 3: Visual representation of professional UHF technology ensuring near-zero latency for high-fidelity audio.

- **Real-time Audio Monitor:** The WM300 Plus system features a 3.5mm headphone jack on the receiver, allowing for real-time audio monitoring during recording to ensure proper sound capture.



Figure 4: The receiver with a 3.5mm headphone jack for real-time audio monitoring.

- **Clip-on Design:** Lavalier microphones are small and designed to clip onto clothing, providing hands-free audio recording.
- **Plug and Play:** Easy to set up with reasonable cable lengths and strong clips for convenient use. The receiver

offers individual controls for clear sound quality.

- **Wide Compatibility:** Works with Android and iPhone mobile devices, iPads, desktops, DSLR cameras, and laptops.



Figure 5: The system supports a wide range of devices including DSLR cameras, camcorders, desktops, GoPros, Android phones, iPhones, and iPads. Note: Not compatible with Bluetooth speakers or MacBooks.

- **Professional Use:** Ideal for recording, live streaming, YouTube, Facebook, TikTok, vlogging, and video recording.
- **UHF Frequencies & Channels:** Features 20 channels and delivers different frequencies. Easy channel selection by pressing a button on the transmitter.



Figure 6: The transmitter display indicating 20 available channels and 15 volume levels for stable and clear audio.

- **Omnidirectional Microphone:** Equipped with omnidirectional sound pickup technology for 360° sound capture.



Figure 7: An exploded view of the omnidirectional microphone, designed for 360° sound pickup.

- **Built-in Battery:** Features a built-in 650mAh Lithium battery for extended use.



Figure 8: Illustration of the built-in 650mAh Lithium battery charging process.

- **Long Signal Range:** Provides a signal range of up to 80 meters (262 feet).



Figure 9: The transmitter and receiver maintaining connection over an 80-meter (262 feet) signal range.

Setup Instructions

Follow these steps to set up your BALILA UHF Wireless Lavalier Microphone System:

1. Connecting the Devices

Ensure all components are fully charged before first use. Use the appropriate cable to connect the receiver to your recording device (camera, smartphone, laptop, etc.).



Figure 10: Connection guide for the receiver to different devices. Use a 3.5mm TRS cable for cameras/laptops and a 3.5mm TRRS cable for smartphones (iPhone/Android). Note: iPhone dongle and Type-C adapter are not included.

2. Pairing the Microphone Kit

The microphone kit is pre-paired at the factory. If re-pairing is needed, follow these steps:

1. Press the "-" button on the transmitter for 3 seconds until the display flashes.
2. Turn on the receiver; its indicator light will flash 4 times.
3. Press the power button of the transmitter. The receiver's indicator will remain on, indicating successful pairing.



Figure 11: Step-by-step visual instructions for pairing the BALILA microphone transmitter and receiver.

Setup Video Guide

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Video 1: Official BALILA Wireless Lavalier Microphone - WM300 overview and setup guide. This video demonstrates the components and basic usage.

Operating Instructions

Once connected and paired, your BALILA microphone system is ready for use.

- **Power On/Off:** Press and hold the power button on both the transmitter(s) and receiver to turn them on or off.
- **Volume Adjustment:** Use the volume buttons (+/-) on the transmitter to adjust the microphone input level.
- **Channel Selection:** If interference occurs, press the channel button on the transmitter to switch to a different frequency. The system offers 20 channels.
- **Monitoring Audio:** Plug headphones into the 3.5mm jack on the receiver to monitor your audio in real-time during recording.
- **Placement:** Clip the lavalier microphone securely to your clothing, ideally about 6-8 inches from your mouth, to capture optimal sound.



Live Streaming



Online Class



Gym Class



Teleconferencing

Figure 12: The BALILA microphone system is versatile for various scenes including interviews, business meetings, video making, weddings, live-streaming, and YouTube content creation.

Sound Quality Demonstration

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Video 2: A demonstration of the sound quality provided by the BALILA Wireless Lavalier Microphone System.

Maintenance

To ensure the longevity and optimal performance of your microphone system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the transmitter, receiver, and microphones. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the system in its provided carrying case to protect it from dust, moisture, and physical damage.
- **Battery Care:** Charge the devices regularly, even if not in frequent use, to maintain battery health. Avoid fully

discharging the battery for extended periods.

- **Handle with Care:** Avoid dropping the devices or exposing them to extreme temperatures or direct sunlight.

Troubleshooting

If you encounter issues with your BALILA UHF Wireless Lavalier Microphone System, refer to the following common solutions:

- **No Audio Output:**
 - Ensure both transmitter(s) and receiver are powered on and successfully paired.
 - Check all cable connections to your recording device. Ensure they are securely plugged in and the correct cable type (TRS/TRRS) is used for your device.
 - Verify the volume levels on the transmitter and your recording device are not set to zero or muted.
 - Try switching to a different channel on the transmitter to avoid interference.
- **Intermittent Audio / Signal Drops:**
 - Ensure the transmitter and receiver are within the specified operating range (80-265 feet) and there are no major obstructions between them.
 - Change the operating channel on the transmitter to find a clearer frequency.
 - Check battery levels on both units; low battery can affect signal stability.
- **Poor Sound Quality / Noise:**
 - Adjust the microphone placement on the speaker's clothing.
 - Ensure the microphone is not rubbing against clothing or other surfaces.
 - Check for strong electromagnetic interference sources nearby (e.g., Wi-Fi routers, other wireless devices).
- **Compatibility with iPhone:** Some users have reported compatibility issues with certain iPhone models. Ensure you are using the correct TRRS adapter (not included) and that your iPhone's audio settings are configured to use an external microphone.

For more detailed troubleshooting, please refer to the official Troubleshooting Guide (PDF) available [here](#).

Specifications

Attribute	Value
Brand	BALILA
Model Name	Wireless Lavalier Microphone System (WM300 Plus)
Microphone Form Factor	Lavalier
Polar Pattern	Omnidirectional

Attribute	Value
Connectivity Technology	Auxiliary (UHF Wireless)
Connector Type	USB Type-C, 3.5 mm Jack
Number of Channels	20
Signal-to-Noise Ratio	70 dB
Power Source	Corded Electric (Internal Battery)
Battery Type	1 Lithium Polymer battery required (included)
Item Weight	230 Grams (8.1 ounces)
Material	Plastic
Compatible Devices	Personal Computer, Camera, Smartphone
Special Features	Clip, Stand, Mute Function, Noise Reduction, Echo Control
Country of Origin	China
Date First Available	April 13, 2021

Warranty and Support

For warranty information and customer support, please refer to the documentation included with your product or visit the official BALILA store on Amazon:

[BALILA Official Store](#)

You can also find additional support and resources, including a Troubleshooting Guide, on the product's Amazon page.

Troubleshooting Guide

BALILA never stop the step of innovation since it was born. With BALILA's assistance, everyone can become an audio producer. bringing you a professional recording experience. At BALILA, we focus on customer satisfaction and if you have any questions, we will provide a 24-hour online service.

Warranty: refund without any reason in a month, refund refund for quality reason in 12-24 months, free technical support for lifetime.

Service Time: 7:00-19:00

Service E-mail: support@balila.com

If there are still problems with the microphone set, please send us installation photos on a video via email (support@balila.com). We will make a prompt reply within 24 hrs and promise you a 100% satisfactory solution.

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TROUBLESHOOTING

When the microphone system is unable to work normally, please check whether current operations are correct following the steps below:

Mini Note: Please try to stop around when Monitoring? → Connect Connection?

→ Off and lighting to 3.5mm connector/Type-C cable (Recording Supported)?

→ Using with 3rd party downloaded recording app on Android phone?

[pdf] Troubleshooting Guide Guide Warranty

Administrator Wireless Lavalier Microphone System BALILA UHF Dual Mic Lapel for iPhone Android

DSLR Camera Real time Audio Monitor Recording Vlog Transmitter 2 Receiver 1 WM300 PLUS

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