

COMICA CVM-WS50(H)

COMICA CVM-WS50(H) Wireless Microphone System for Smartphones

USER INSTRUCTION MANUAL

1. INTRODUCTION

The COMICA CVM-WS50(H) is a UHF wireless microphone system designed for use with smartphones. It provides clear audio for various applications such as interviews, video recording, vlogging, and live streaming. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device.



Figure 1: COMICA CVM-WS50(H) Wireless Microphone System components.

2. WHAT'S IN THE BOX

- Receiver (RX)
- Hand-held Transmitter (HTX)
- Mini Tripod
- TRS-TRRS Audio Output Cable
- Micro USB Charging Cable
- User Manual
- Portable Case
- Card



Figure 2: Included components in the COMICA CVM-WS50(H) package.

3. PRODUCT FEATURES

- **LCD Screen:** Displays channels, audio status, and power consumption for real-time monitoring.
- **6 Optional Channels:** Flexible channel matching to prevent interference.
- **Real-time Audio Monitor:** Built-in monitoring function allows listening during recording.
- **Working Distance:** Up to 197ft (60m) in open areas, and 98ft (30m) with obstacles.
- **Adjustable Phone Clamp:** High-quality metal clamp with adjustable width (2.5 to 3.5 inches).
- **Cardioid Handheld Transmitter:** Equipped with a handle grip for stable video recording.
- **Stepless Volume Adjustment:** Allows precise control over audio levels.
- **Rechargeable:** Built-in rechargeable lithium battery with USB interface.



Stepless volume adjustable

setting allows you to adjust the volume according to your needs



LCD screen

can display channels, audio status and power consumption



Rechargeable with USB interface

built-in rechargeable lithium battery



6 UHF Channels

for you to select



Figure 3: Receiver with LCD screen and controls.



Figure 4: Handheld Transmitter with LED display and controls.

4. SETUP

4.1 Component Assembly

1. Attach the receiver to the mini tripod using the screw mount.
2. Secure your smartphone into the adjustable phone clamp on the receiver.
3. Ensure the handheld transmitter has charged batteries (AA batteries not included).

4.2 Connecting to Smartphone

Use the provided TRS-TRRS audio output cable to connect the receiver to your smartphone.

- Plug the 3.5mm TRS (black end) into the microphone OUTPUT interface of the Receiver.
- Plug the 3.5mm TRRS (grey end) into your smartphone's audio interface.
- **Note:** For iPhones 7 or above, you need to use the original Lightning adapter cable (not included). For Android phones with USB-C, you may need a 3.5mm to USB-C adapter (not included).

HOW TO CONNECT

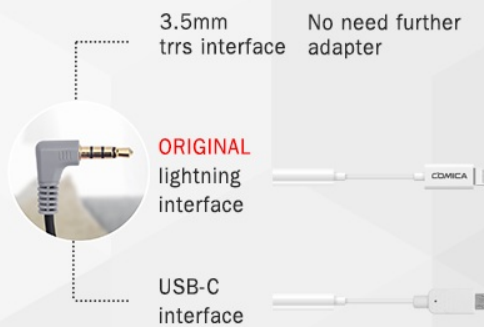
STEP1

The 3.5mm TRS Black end plug into the microphone OUTPUT interface of Receiver



STEP2

The 3.5mm TRRS Grey end plug into the smartphone interface adapter



STEP3

Plug into the smartphone



Note: When using IOS phones, please use **original adapter cable** (All adapter cables are not in the package)

Figure 5: Connection guide for smartphones.

4.3 Powering On and Pairing

1. Press and hold the power button on both the Hand-held Transmitter (HTX) and the Receiver (RX) until their LCD screens light up.
2. The devices should automatically pair. The indicator light on the Receiver will turn solid green when successfully paired.
3. If pairing fails, ensure both devices are within range and try restarting them.

5. OPERATING

5.1 Channel Selection

The CVM-WS50(H) offers 6 channels. To change the channel on the Hand-held Transmitter (HTX), press the 'Power/CH Setting Button' repeatedly until you reach the desired channel (00-05). The Receiver will automatically synchronize to the selected channel.

5.2 Audio Monitoring

Connect headphones to the 3.5mm headphone jack on the Receiver to monitor audio in real-time during recording. This allows you to verify audio quality and levels.

5.3 Volume Adjustment

Use the stepless volume adjustment knob on the side of the Receiver to control the output audio level. Adjust as needed for optimal recording.

5.4 Usage Scenarios

The system is versatile for various applications:

- **Interviews:** Use the handheld microphone for clear voice capture.
- **Podcasts & Vlogs:** Record high-quality audio for your content.
- **Live Streaming:** Enhance audio for Facebook, YouTube, TikTok, etc.
- **Online Teaching/Meetings:** Ensure clear communication.

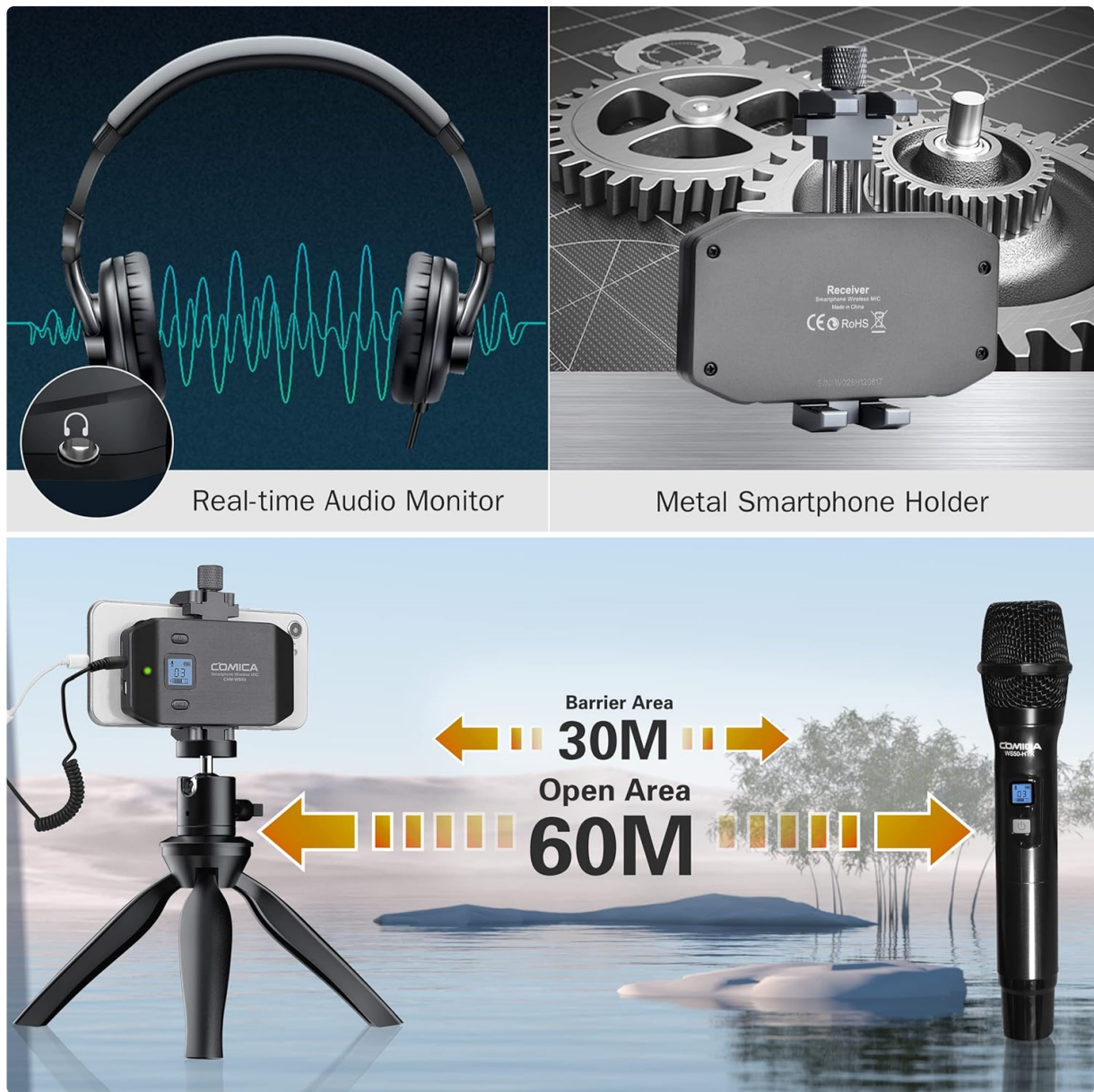


Figure 6: Real-time audio monitoring feature.

Video 1: Product demonstration showcasing features and usage scenarios.

6. MAINTENANCE

To ensure the longevity and optimal performance of your COMICA CVM-WS50(H) system, follow these maintenance guidelines:

- Keep the devices dry and away from moisture.
- Clean the surfaces with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the system in its portable case when not in use to protect it from dust and physical damage.
- Avoid extreme temperatures.

7. TROUBLESHOOTING

- **Signal Interference:** If you experience signal interference, try switching to a different channel on the Hand-held Transmitter. Ensure the operating environment is open and free from other UHF transmitters or radio stations. Setting your smartphone to flight mode during use can also help prevent interference.

- **Smartphone Compatibility (Video Mode):** For Android smartphones, the microphone works well in audio mode but may not be compatible with some devices in video mode. If this occurs, try using a third-party app such as Filmic Pro or Proshot.
- **No Audio/Low Audio:** Check all cable connections, ensure the microphone and receiver are powered on and paired (solid green indicator on receiver). Verify the volume levels on both the receiver and your smartphone.
- **iPhone/Samsung Adapter:** Newer iPhone models (7 and above) require an original Lightning to 3.5mm adapter cable. Samsung phones with USB-C ports may require a 3.5mm to USB-C adapter. These adapters are not included in the package.

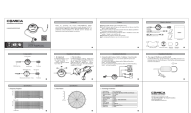

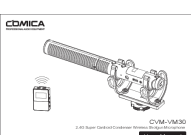

8. SPECIFICATIONS

Feature	Value
Item Dimensions L x W x H	2.75 x 9.84 x 8.26 inches
Power Source	Battery Powered
Number of Batteries	1 Lithium Polymer batteries required. (included)
Material	Metal, Plastic
Signal-to-Noise Ratio	80 dB
Hardware Platform	Smartphone
Number of Channels	6
Connectivity Technology	UHF
Connector Type	3.5 mm Jack
Polar Pattern	Omnidirectional
Item Weight	2.08 ounces
Microphone Form Factor	Handheld Microphone

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided in the product packaging or visit the official COMICA website. Keep your purchase receipt for warranty claims.

Related Documents - CVM-WS50(H)

 <p>COMICA PROFESSIONAL AUDIO EQUIPMENT</p> <p>Stereo Condenser Shotgun Video Microphone CVM-SV20 USER MANUAL EN</p>	<p>Comica CVM-SV20 Stereo Condenser Shotgun Video Microphone User Manual</p> <p>User manual for the Comica CVM-SV20, a professional stereo condenser shotgun video microphone designed for cameras, camcorders, and smartphones. Features include all-aluminum construction, super anti-interference, and adjustable sensitivity.</p>
 <p>COMICA</p> <p>CVM-V03(SIG.LAV) USER MANUAL EN</p>	<p>Comica CVM-V03(SIG.LAV) Lavalier Microphone User Manual</p> <p>User manual for the Comica CVM-V03(SIG.LAV) omni-directional lavalier microphone, detailing its components, operation instructions, specifications, and package contents for use with smartphones, cameras, and voice recorders.</p>
 <p>COMICA</p> <p>CVM-VM10-K1(K2/K3/K4) Mini & Flexible Smartphone Video Kit User Manual</p>	<p>Comica CVM-VM10-K Series: Mini & Flexible Smartphone Video Kit User Manual</p> <p>Explore the Comica CVM-VM10-K series, a versatile mini and flexible smartphone video kit. This user manual provides detailed information on features, package contents for models K1, K2, K3, and K4, and installation instructions for enhancing your smartphone videography.</p>
 <p>COMICA</p> <p>CVM-VM30 2.4G Super Cardioid Condenser Shotgun Wireless Microphone User Manual</p>	<p>COMICA CVM-VM30 2.4G Wireless Shotgun Microphone User Manual Professional Audio Equipment</p> <p>Comprehensive user manual for the COMICA CVM-VM30 2.4G Super Cardioid Condenser Wireless Shotgun Microphone. Learn about its features, components, installation, usage, specifications, and compliance information.</p>
 <p>COMICA</p> <p>CVM-VM10-K2 PRO Multi-functional Smartphone Video Kit User Manual</p>	<p>Comica CVM-VM10-K2 PRO Multi-functional Smartphone Video Kit User Manual</p> <p>User manual for the Comica CVM-VM10-K2 PRO, a multi-functional smartphone video kit. It details the product's features, packing list, components, installation, operation, and technical specifications for the microphone.</p>
 <p>COMICA</p> <p>CVM-VM10II Micro Cardioid Condenser Shotgun Microphone User Manual</p>	<p>COMICA CVM-VM10II Micro Cardioid Condenser Shotgun Microphone User Manual</p> <p>User manual for the COMICA CVM-VM10II, a compact cardioid condenser shotgun microphone. This guide details its features, specifications, packing list, and installation for use with cameras and smartphones.</p>