

Movo WMX-7-SP

Movo WMX-7-SP Wireless Lavalier and Handheld Microphone System User Manual

Model: WMX-7-SP

1. INTRODUCTION

The Movo WMX-7-SP is a versatile wireless microphone system designed for smartphone audio and video recording. This bundle includes a wireless lavalier microphone, a handheld microphone, and a receiver that also functions as a smartphone holder. It provides a comprehensive solution for capturing clear audio in various recording scenarios.



Image 1.1: Movo WMX-7-SP Wireless Microphone System Overview

This manual provides detailed instructions for setting up, operating, and maintaining your WMX-7-SP system to ensure optimal performance.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Smartphone Receiver (with integrated phone holder)
- 1x Bodypack Transmitter (for lavalier microphone)
- 1x Lavalier Microphone (omnidirectional)
- 1x Handheld Microphone (omnidirectional, acts as a transmitter)
- 1x 3.5mm TRS to TRRS Cable
- 1x Hardshell Carrying Case
- 1x Warranty Card

WHAT YOU GET

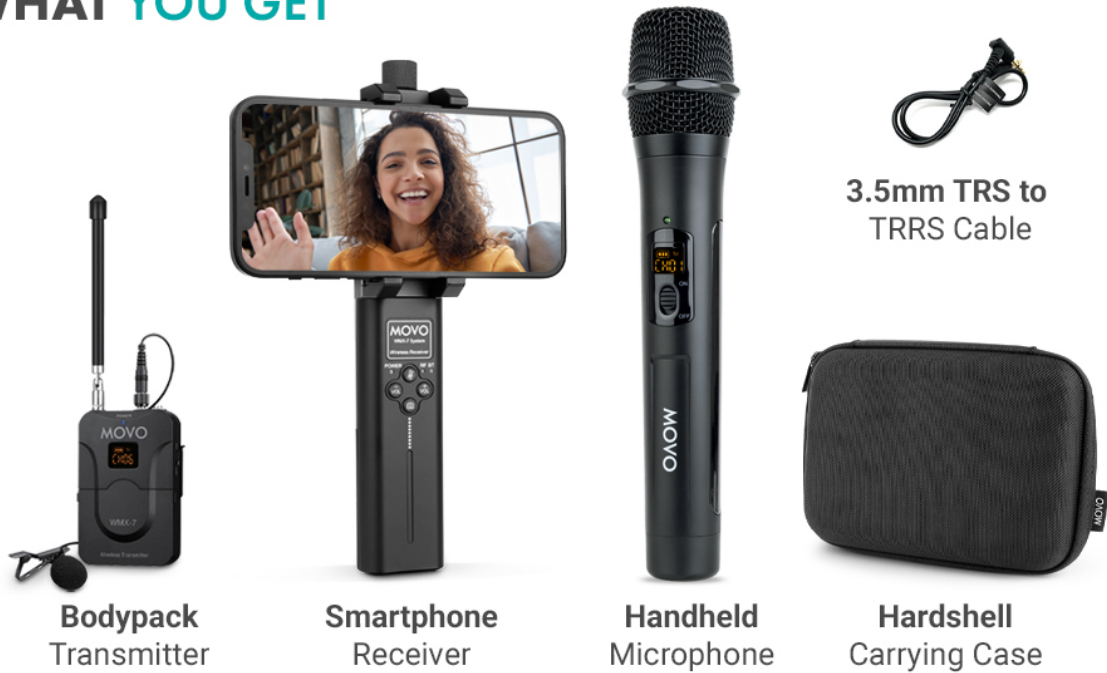


Image 2.1: Included Components

3. COMPONENT OVERVIEW

3.1 Smartphone Receiver

The receiver unit integrates a smartphone holder and serves as the central hub for your audio. It receives wireless signals from the microphones and connects to your smartphone.

- **Smartphone Holder:** Adjustable to accommodate devices up to 4.3 inches wide.
- **3.5mm TRRS Output:** Connects to your smartphone's audio jack.
- **Headphone Jack:** For real-time audio monitoring.
- **Volume Controls:** Adjust audio output level.
- **Shutter Button:** Wirelessly controls your phone's camera.
- **Power/Pairing Button:** For turning on/off and initiating pairing.



Image 3.1: Receiver Controls and Ports

3.2 Bodypack Transmitter & Lavalier Microphone

The bodypack transmitter is used with the lavalier microphone. It captures audio and transmits it wirelessly to the receiver.

- **Lavalier Microphone:** Small, clip-on microphone with an omnidirectional pickup pattern.
- **Dual Mic Ports:** The bodypack transmitter features two 3.5mm microphone input ports, allowing for connection of two wired lavalier microphones simultaneously to a single transmitter.
- **Power/Pairing Button:** For turning on/off and initiating pairing.

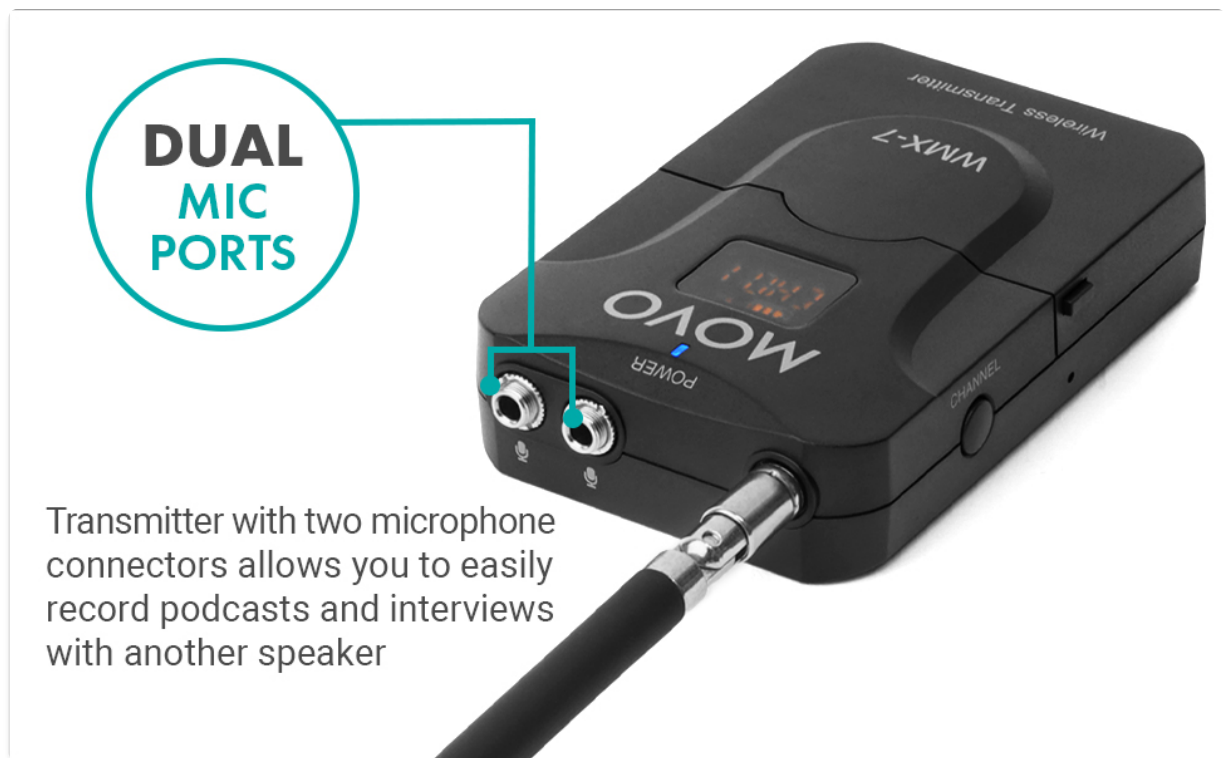


Image 3.2: Bodypack Transmitter with Dual Mic Ports

3.3 Handheld Microphone

The handheld microphone is a standalone wireless unit, ideal for interviews or direct vocal capture. It also features an omnidirectional pickup pattern.

4. SETUP INSTRUCTIONS

4.1 Charging the Devices

Ensure all components (receiver, bodypack transmitter, handheld microphone) are fully charged before use. Use standard USB charging cables (not included) to connect to a power source. Charging indicators will typically show status and turn off or change color when fully charged.

4.2 Connecting the Receiver to Your Smartphone

1. Mount your smartphone securely into the adjustable holder on the receiver.
2. Connect one end of the included 3.5mm TRS to TRRS cable to the 'LINE OUT' port on the receiver.
3. Connect the other end of the cable to your smartphone's 3.5mm audio jack. If your smartphone does not have a 3.5mm jack, you will need a compatible adapter (e.g., USB-C to 3.5mm or Lightning to 3.5mm, not included).

BUILT FOR YOUR DEVICES

3.5mm TRRS cable plugs into audio jacks found on most smartphones, some may require an adapter. An adjustable phone holder accommodates devices of all sizes

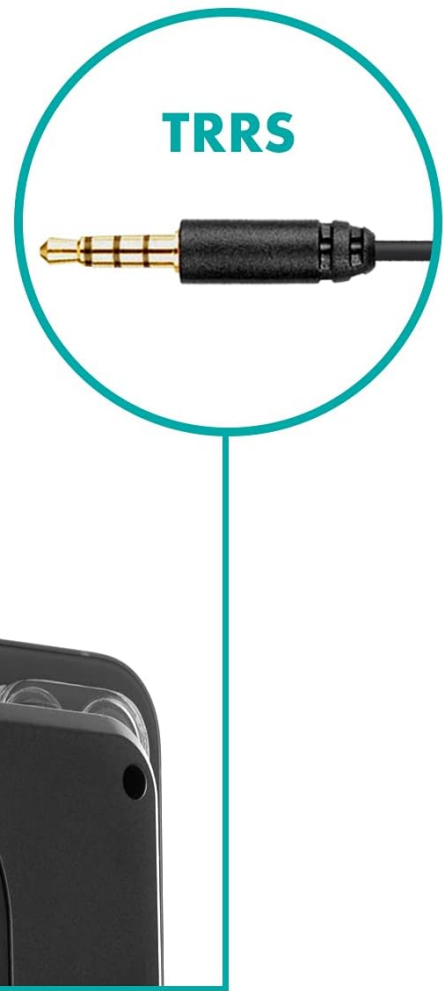


Image 4.1: Connecting Receiver to Smartphone

4.3 Pairing the Microphones with the Receiver

The WMX-7-SP system is designed to operate with one wireless transmitter (either the bodypack transmitter or the handheld microphone) connected to the receiver at a time. Simultaneous use of both wireless transmitters is not supported.

1. **Power On:** Press and hold the power button on the receiver until its indicator light turns on. Do the same for the desired microphone (either the bodypack transmitter or the handheld microphone).
2. **Initiate Pairing:** The devices should automatically attempt to pair. Look for an RF indicator light on the receiver to confirm a successful connection. If pairing does not occur automatically, consult the troubleshooting section.
3. **Lavalier Microphone Connection:** If using the bodypack transmitter, plug the lavalier microphone into one of the 3.5mm mic input ports on the bodypack. Clip the lavalier microphone to your clothing, approximately 6-8 inches from your mouth, for optimal sound capture.

5. OPERATING INSTRUCTIONS

5.1 Audio Monitoring

To ensure your audio is being recorded correctly, use the built-in headphone jack on the receiver.

1. Plug a pair of headphones (not included) into the 3.5mm headphone jack on the receiver.
2. Adjust the volume using the '+' and '-' buttons on the receiver.
3. Monitor the audio in real-time to check for clarity, levels, and any interference.



AUDIO AND VIDEO PLATFORM

The receiver doubles as a video rig, stabilizing your frame as you shoot. A built-in shutter button allows you to wirelessly control your phone's camera



Image 5.1: Receiver as Video Rig with Monitoring Capabilities

5.2 Using the Camera Shutter Button

The receiver features a built-in shutter button that can wirelessly control your smartphone's camera, allowing for convenient start/stop recording or photo capture.

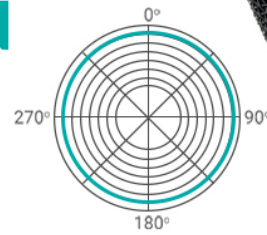
1. Ensure your smartphone's camera app is open and active.
2. Press the shutter button on the receiver to activate your phone's camera function.

5.3 Microphone Usage and Range

Both the lavalier and handheld microphones feature an omnidirectional pickup pattern, meaning they capture sound equally from all directions. This is ideal for interviews, vlogging, and situations where sound may come from multiple angles.

OMNIDIRECTIONAL POLAR PATTERN

Both mics captures audio in all directions, perfect for picking up dialogue while on the move



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Image 5.2: Omnidirectional Polar Pattern

The system offers a wireless transmission range of up to 98 feet (30 meters) in open, unobstructed environments. Maintain a clear line of sight between the transmitter and receiver for best performance.

POWERFUL TRANSMISSION RANGE

Microphone can broadcast audio signal up to 98 feet away without obstacles via a built-in transmitter



Image 5.3: Wireless Transmission Range

6. MAINTENANCE

Proper care and maintenance will extend the life of your Movo WMX-7-SP system.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of all components. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the system in its hardshell carrying case when not in use to protect it from dust and physical damage.
- **Battery Care:** For optimal battery life, avoid fully discharging the devices frequently. Recharge them regularly, especially if storing for extended periods.
- **Environmental Conditions:** Avoid exposing the devices to extreme temperatures, humidity, or direct sunlight.

7. TROUBLESHOOTING

If you encounter issues with your Movo WMX-7-SP system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No audio recording or weak signal	<ul style="list-style-type: none"> • Microphone/Receiver not powered on • Devices not paired • Low battery • Incorrect cable connection • Interference or excessive range • Smartphone audio settings 	<ul style="list-style-type: none"> • Ensure all units are powered on. • Verify pairing (RF indicator on receiver). • Charge all devices. • Ensure 3.5mm TRRS cable is fully inserted into both receiver and smartphone. Check for correct adapter if needed. • Reduce distance between transmitter and receiver; avoid obstacles. • Check your smartphone's recording app settings to ensure the external microphone is selected.
Handheld microphone or lavalier transmitter not connecting/pairing	<ul style="list-style-type: none"> • Only one wireless transmitter can be active at a time. • Pairing process not initiated correctly. • Interference. 	<ul style="list-style-type: none"> • Ensure only one wireless transmitter (either bodypack or handheld mic) is powered on and attempting to pair with the receiver. • Power off all units, then power on the receiver and only one desired transmitter. Allow them to connect. • Move away from other wireless devices or sources of electromagnetic interference.
Shutter button not working	<ul style="list-style-type: none"> • Smartphone not compatible. • Camera app not active. 	<ul style="list-style-type: none"> • Ensure your smartphone supports external shutter control via the audio jack. • Open your camera or video recording app before pressing the shutter button.
Poor audio quality (static, dropouts)	<ul style="list-style-type: none"> • Interference. • Out of range. • Low battery. • Microphone placement. 	<ul style="list-style-type: none"> • Move away from other wireless devices (Wi-Fi routers, other microphones). • Reduce distance between transmitter and receiver. • Charge all devices. • Adjust lavalier microphone placement (6-8 inches from mouth).

8. SPECIFICATIONS

Feature	Specification
Brand	Movo
Model Number	WMX-7-SP

Feature	Specification
Microphone Form Factor	Microphone System (Lavalier & Handheld)
Polar Pattern	Omnidirectional
Connectivity Technology	Wireless (Auxiliary 3.5mm Jack for smartphone connection)
Connector Type	3.5 mm Jack
Hardware Platform	Smartphone
Compatible Devices	Smartphone
Signal-to-Noise Ratio	65 dB
Number of Channels	1 (one active wireless transmitter at a time)
Power Source	Battery Powered
Wireless Range	Up to 98 feet (30 meters)
Item Weight	2.56 pounds
UPC	817711024450

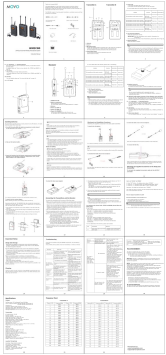
9. WARRANTY AND SUPPORT

The Movo WMX-7-SP Wireless Lavalier and Handheld Microphone System is covered by a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use.

For technical assistance, warranty claims, or any questions regarding your product, please contact Movo customer support. Contact information can typically be found on the Movo website or on the warranty card included in your package.

Please retain your proof of purchase for warranty validation.

Related Documents - WMX-7-SP



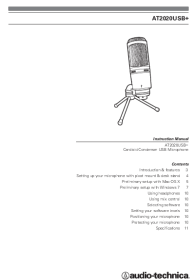
[MOVO WMIC80 UHF Dual-Channel Wireless Microphone System Instruction Manual](#)

Comprehensive instruction manual for the MOVO WMIC80 UHF Dual-Channel Wireless Microphone System, covering setup, operation, troubleshooting, and specifications for ENG, EFP, and DSLR video applications.



[t.bone MB 7 Beta Dynamic Broadcast Microphone - Quick Start Guide](#)

Get started with the t.bone MB 7 Beta dynamic broadcast microphone. This guide covers essential safety instructions, connection, operation, features, technical specifications, and proper disposal.





[Audio-Technica AT2020USB+ Cardioid Condenser USB Microphone Instruction Manual](#)

Instruction manual for the Audio-Technica AT2020USB+ Cardioid Condenser USB Microphone, detailing its features, setup for Mac OS X and Windows, usage, and specifications for digital audio recording.

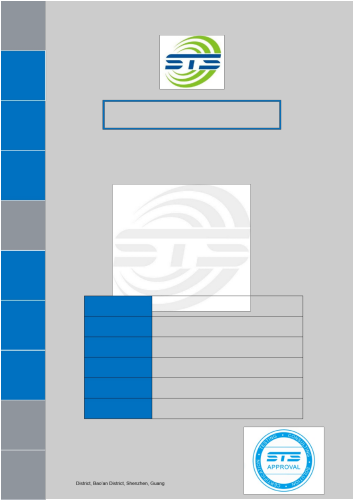
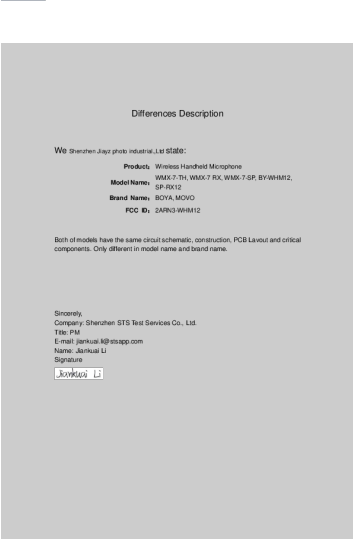


[Bler Audio BR-170HH Wireless Handheld Microphone System User Manual](#)


Comprehensive user manual for the Bler Audio BR-170HH wireless handheld microphone system. Details features of the transmitter and receiver, setup instructions, technical specifications, and troubleshooting tips.

 <p>Audio-Technica AT2020USB+ Cardioid Condenser USB Microphone</p> <p>Instruction manual for the Audio-Technica AT2020USB+ Cardioid Condenser USB Microphone, covering features, setup for Mac OS X and Windows 7, usage, and specifications.</p>	<p>Audio-Technica AT2020USB+ Cardioid Condenser USB Microphone Instruction Manual</p> <p>Instruction manual for the Audio-Technica AT2020USB+ Cardioid Condenser USB Microphone, covering features, setup for Mac OS X and Windows 7, usage, and specifications.</p>
 <p>tenlamp OU200 USB Microphone User Manual</p> <p>Comprehensive user manual for the tenlamp OU200 USB microphone, covering features, setup for Windows and Mac, specifications, and usage for podcasting, streaming, and home studio recording.</p>	<p>tenlamp OU200 USB Microphone User Manual</p> <p>Comprehensive user manual for the tenlamp OU200 USB microphone, covering features, setup for Windows and Mac, specifications, and usage for podcasting, streaming, and home studio recording.</p>

Documents - Movo – WMX-7-SP

	<p>[pdf] Test Report</p> <p>Measurement Report Kent MPE Shenzhen Jiayz photo industrial Ltd WHM12 Wireless Handheld Microphone 2ARN3 2ARN3WHM12 whm12</p> <p>S T S L A B RADIO TEST REPORT Report No: STS2105122H02 Issued for Shenzhen Jiayz photo industrial., ... ireless Handheld Microphone Brand Name: BOYA, MOVO Model Name: WMX-7-TH Series Model: WMX-7 RX, WMX-7-SP, BY-WHM12, SP-RX12 FCC ID: 2ARN3-WHM12 Test Standard: FCC 47CFR 2.1093 Any reproduction ...</p> <p>lang:en score:19 filesize: 1.01 M page_count: 8 document date: 2021-08-11</p>
	<p>[pdf]</p> <p>Differences Description simple Difference Shenzhen Jiayz photo industrial Ltd WHM12 Wireless Handheld Microphone 2ARN3 2ARN3WHM12 whm12</p> <p>Differences Description We Shenzhen Jiayz photo industrial.,Ltd state: Product Wireless Handheld Microphone Model Name WMX-7-TH, WMX-7 RX, WMX-7-SP, BY-WHM12, SP-RX12 Brand Name BOYA, MOVO FCC ID 2ARN3-WHM12 Both of models have the same circuit schematic, construction, PCB Lavout and critical compon...</p> <p>lang:en score:17 filesize: 60.62 K page_count: 1 document date: 2021-08-11</p>

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FCC TEST REPORT

Report No: STS2105122W02

Issued for


Shenzhen Jiayz photo industrial ,Ltd

A16 Building Intelligent Terminal Industrial Park of Silicon Valley
Power, Guanlan, Longhua District, Shenzhen, China

Product Name:	Wireless Handheld Microphone
Brand Name:	BOYA, MOVO
Model Name:	WMX-7-TH
Series Model:	WMX-7 RX, WMX-7-SP, BY-WHM12, SP-RX12
FCC ID:	2ARN3-WHM12
Test Standard:	FCC Part 15.236

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[pdf] Test Report

Microsoft Word TR STS2105122W02 RF Part 15 236 docx Administrator Test Report Shenzhen Jiayz photo industrial Ltd WHM12 Wireless Handheld Microphone 2ARN3 2ARN3WHM12 whm12 S T S L A B FCC TEST REPORT Report No: STS2105122W02 Issued for Shenzhen Jiayz photo industrial.,Lt ... e: Wireless Handheld Microphone Brand Name: BOYA, MOVO Model Name: WMX-7-TH Series Model: WMX-7 RX, **WMX-7-SP**, BY-WHM12, SP-RX12 FCC ID: 2ARN3-WHM12 Test Standard: FCC Part 15.236 Any reproduction of ...
lang:en score:15 filesize: 1.56 M page_count: 48 document date: 2021-08-11