

**AVMATRIX®**



**WM12**

## MINI WIRELESS MICROPHONE SYSTEM

Elevate your audio experience, go wireless, go limitless



Up to 2-CH Audio Pick Up



Long-distance Transmission



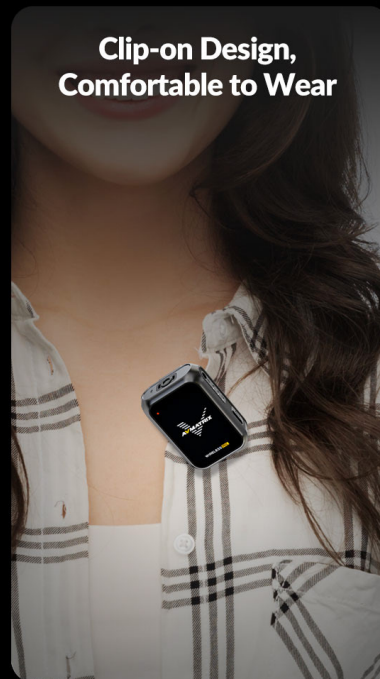
Three-stage Sensitivity  
Adjustment  
Quick Mute



Clear TFT Display



Clip-on Design,  
Comfortable to Wear



Two-channel Audio Output  
USB Output



Long Battery Life







# Dual-channel Professional Audio

Experience seamless communication with our wireless microphone system, featuring up to two transmitters and a single receiver. This innovative design allows for dual-speaking capabilities, catering to two individuals speaking simultaneously, while ensuring optimal sound pickup.

\* WM12 Dual: 2TX+1RX, WM12 Single: 1TX+1RX



## Long-distance Transmission

The wireless microphones use a globally unlicensed 2.4G frequency band and can support up to 100m line-of-sight transmission distance, you can capture precise audio even in challenging environments.





# Quick & Auto Pairing

Easy to Use Everywhere

Quick automatic pairing, no need for complex settings, one-second sound journey. Suitable for live streaming, recording, and karaoke, making it easy to get started and enjoy music.



### External Microphone Input

There is a microphone input on the transmitter which allow to connect to external microphone, making your voice more professional and melodious.



### Three-stage Sensitivity Adjustment

Three-stage sensitivity adjustment (low, medium, and high) on the transmitter make it can easily adapt to a variety of sound environments.

### Quick Mute

Double-click the power button on the transmitter to mute the mic. This is convenient to switch and temporarily pausing or adjusting the device at anytime.



### Windproof Design, Excellent Noise Reduction

Windproof design, effectively suppresses wind noise, making your voice clearer and more transparent.







## Two-channel audio output

Dual 3.5mm jacks for versatile connections.  
Line output links to mixers, cameras, speakers.  
Earphone out enables real-time audio monitoring.



## USB output

The USB output design can also directly connected to the computer and use as a sound card input, expanding audio input devices to meet different needs.



## Clear Display

A clear screen display provides easy monitoring of the status of your wireless microphone, such as the volume, battery level, and signal strength of the transmitter and receiver.

# 15h



## Long Battery Life

Worry-free Use

With a built-in 300mAh lithium battery, liberates you from the worry of running out of power during use. A single charge provides extended recording times, eliminating interruptions to your creative flow. Transmitter can be used up to 15 hours, receiver support 4 hours.



## Storage Bag

It come with a storage bag for taking it everywhere.



## Clip-on Design

Comfortable to Wear

This compact, lightweight and portable clip-on microphone is always ready to use when inspiration strikes.



# Extensive Applications

The microphone system can be widely used in various field events, such as self-media, sport vlog, interviews, lectures, conference, wedding and so on.

# Specifications

|                          |                                               |
|--------------------------|-----------------------------------------------|
| <b>COMBO</b>             |                                               |
| WM12 Dual                | 2TX+1RX                                       |
| WM12 Single              | 1TX+1RX                                       |
| <b>TRANSMITTER</b>       |                                               |
| Audio In                 | 3.5mm TRS                                     |
| Power In                 | USB Type-C (Power charge)                     |
| <b>RECEIVER</b>          |                                               |
| Earphone Out             | 3.5mm TRS                                     |
| Line Out                 | 3.5mm TRS                                     |
| Power In                 | USB Type-C (Power charge & Sound card)        |
| <b>WIRELESS</b>          |                                               |
| Modulation Mode          | GFSK                                          |
| Operating Frequency      | 2.4GHz (2400M~2483.5MHz)                      |
| Transmission Range       | 100m (Open and undisturbed environment)       |
| <b>MICROPHONE</b>        |                                               |
| Frequency Range          | 100Hz ~ 20KHz ± 3dB                           |
| Mic Polar Pattern        | Omnidirectional                               |
| Mic Sound Pressure Level | 110dB SPL (Max)                               |
| Signal-to-noise Ratio    | ≥90                                           |
| Sensitivity              | TX: -34dB, RX: -94dB                          |
| <b>DISPLAY</b>           |                                               |
| Display                  | 0.96 inch TFT color LCD display               |
| Display Resolution       | 160×80                                        |
| <b>POWER</b>             |                                               |
| Operating Time           | TX: 15h, RX: 4h                               |
| Battery Capacity         | TX: 300mAh, RX: 300mAh                        |
| Battery Voltage          | TX: 3.7V, RX: 3.7V                            |
| Charging Time            | TX: ≤1.5h (5V 1A), RX: ≤1.5h (5V 1A)          |
| <b>OTHER</b>             |                                               |
| Dimension (LWD)          | TX: 34.7×50.1×20.6mm, RX: 50.1×40×23.3mm      |
| Weight                   | TX: 25g, RX: 32g, Gross Weight: 267g (2TX+RX) |
| Operating Temperature    | -20~60℃                                       |

# Accessories



Storage bag



Windproof cover



3.5mm to type-c cable



3.5mm to 3.5mm cable



Three charging cable

# Optional



Lavalier microphone



# Appearances



Transmitter



Receiver