

WM702LL

UHF Wireless Conference Mic | Lapel 2-Channel True Diversity System

UHF true diversity wireless conference microphone system pairing a 2-channel receiver with compact lapel condenser transmitters, offering 200 selectable channels, AFS auto frequency scan, and up to 300m visual-line working distance.



2CH True Diversity

200 Channels

AFS Auto Scan

300m Range

Lapel Condenser

IR Sync



The WM702LL is a UHF true diversity wireless conference microphone system consisting of a 2-channel receiver and compact lapel-style condenser transmitters. With PLL phase-locked loop tuning, digital pilot anti-interference design, and 200 selectable channels across a 50MHz bandwidth, it delivers stable, professional-grade wireless audio for conference rooms, lecture halls, and large venues.

Carrier Band UHF 512–562MHz	Audio Channels 4CH (RX)	S/N Ratio >105dB
THD <0.7% @ 1KHz	TX Operating Time 8–10 Hours	TX Range Up to 100m

IDEAL FOR

Conference Rooms

Discreet lapel wireless mics for chairman and delegate speaking positions.

Lecture Halls

Hands-free, lightweight pickup for instructors moving around the room.

Large Venues

Antenna distribution compatible for full-coverage wireless audio.

Auditoriums

Discreet multi-speaker wireless audio for panels and presentations.

PRODUCT DESCRIPTION

The WM702LL is a UHF true diversity wireless 2-channel conference microphone system. The receiver uses a new anti-electromagnetic interference circuit design to eliminate interference from mobile phones and other electronics, paired with a HD COG display showing AF/RF signal strength, frequency, volume, channel, and transmitter battery level.

The compact lapel transmitter features a patent appearance design with a high-brightness OLED display showing frequency, battery level, and operating status. Its new anti-howling, anti-single-point high-sensitivity condenser microphone core is engineered around acoustic space principles for high-fidelity conference sound quality, with an operating range up to 100 meters under best conditions.

AFS auto frequency scan intelligently calculates clean frequency points across the entire preset range and selects the optimal channel automatically. Infrared SYNC one-click frequency matching, feedback howling suppression, and true diversity 4-antenna reception combine to deliver stable, reliable sound with minimal dead zones over long-distance transmission.

2CH	True Diversity Channels
200	Selectable Channels
50MHz	Bandwidth
00-60dB	Sensitivity Range
0.07kg	TX Weight
8 Hrs+	Min. Speaking Time

PRODUCT KEY FEATURES



True Diversity Reception

Four independent antennas ensure more stable, reliable sound quality transmission, reducing blind spots and enhancing reception distance and stability.



AFS Auto Frequency Scan

Scans the entire frequency range according to preset frequency, quickly calculating clean frequency points and automatically selecting the optimal channel.



Infrared SYNC Pairing

Two independent infrared frequency matching buttons enable one-click automatic pairing between transmitter and receiver, eliminating complex manual setup.



Anti-Howling Condenser Capsule

New anti-howling, anti-single-point high-sensitivity condenser microphone core delivers high-fidelity conference sound quality in a compact lapel form factor.



Ultra-Compact Lapel Design

At just 107×63×19.5mm and 0.07kg, the lapel transmitter clips discreetly to clothing for hands-free, unobtrusive wireless audio pickup.



Anti-Electromagnetic Interference

New anti-EMI circuit design eliminates interference from mobile phones and other electronic devices, keeping audio clean in crowded RF environments.



HD COG Display & Front Controls

Light ring and shuttle knob combined with a COG LCD display show AF/RF signal strength, frequency, volume, channel, and transmitter battery level and usage time.



1U Rack-Mountable Design

Standard cabinet design with a metal 1U shell integrates easily into any equipment rack for professional AV installations.



Extended Battery Life

Ultra-low power circuit design provides continuous speaking time of at least 8 hours and standby time of at least 12 hours per charge.



TECHNICAL SPECIFICATIONS

RECEIVER

Power Supply	DC12V
Consumption Rating	<7.2W
Dimensions (L×W×H)	483mm × 175mm × 45.3mm
Weight	2.75kg
Carrier Frequency Band	UHF 512–562MHz (Customizable)
Bandwidth	50MHz
Audio Channels	4CH
Modulation Method	FM
Oscillation	PLL
Sensitivity	S/N>60dB @25KHz, 6dBv
Max Deviation Range	±45KHz
S/N Ratio	>105dB
T.H.D.	<0.7% @ 1KHz
Frequency Response	20Hz ~ 20KHz ±3dB
Working Distance	300m (Visual Distance)
Audio Output	Unbalanced: 6.35mm ×1, Balanced: XLR ×2
Audio Signal Receiving Interface	BNC ×4

TRANSMITTER

Working Voltage	DC 3.7V ~ 4.5V
Consumption Rating	Standby: ≤350mW, Speaking: ≤620mW
Display	OLED
Operating Time	8–10 Hours
Operating Temperature Range	-9°C ~ 40°C
Dimensions (L×W×H)	107mm × 63mm × 19.5mm
Weight	0.07kg
Carrier Frequency Band	UHF 512–562MHz (Customizable)
Oscillation	PLL
Harmonic Radiation	<-65dBm
Max Deviation	±45KHz
Capsule Type	Condenser
RF Power	15mW
Operation Distance	Up to 100m (Best Condition), 60m (Normal)