

WM704HH

Wireless Microphone System | 4-Channel UHF

Four-channel UHF wireless conference microphone system pairing a 1U metal-chassis receiver with dynamic handheld transmitters, 20 preset frequency groups, infrared one-key pairing, and 60-metre working distance.



4-Channel UHF

530 – 670MHz

20 Frequency Groups

Infrared Auto Sync

Dynamic Handheld

1U Metal Chassis



PRODUCT DESCRIPTION

The WM704HH is a four-channel UHF wireless conference microphone system. Its 1U receiver covers the 530–670MHz band with 20 preset frequency groups, PLL phase-locked oscillation, and automatic selective signal receiving, and four infrared SYNC buttons pair each microphone with one press. Audio leaves on four balanced XLR outputs plus an unbalanced 6.35mm output, and the dynamic handheld transmitters run 8–10 hours per charge.

Audio Channels 4CH Wireless	Carrier Band UHF 530 – 670MHz	Frequency Response 20Hz – 20KHz ±3dB
Signal-to-Noise > 105dB	Audio Output XLR × 4 6.35mm × 1	Working Distance 60 m (visible)

IDEAL FOR

Conference Rooms Up to four wireless microphones per receiver	Boardrooms Cable-free discussion for chair and members	Auditoriums & Venues Antenna distribution for full venue coverage	Rack-Mounted AV 1U metal chassis for standard equipment racks
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The WM704HH is a four-channel UHF wireless conference microphone system. The receiver spans 530–670MHz with 30MHz bandwidth, FM modulation, and PLL oscillation, delivering better than 105dB signal-to-noise, under 0.7% THD at 1KHz, and 20Hz–20KHz ±3dB response.

Twenty preset frequency groups with automatic selective receiving keep the link clean, and one key changes the frequency group on all four channels. Four infrared SYNC buttons pair each microphone, while a light-ring shuttle knob and 256 × 64 COG display show volume, frequency, and AF/RF strength.

Four BNC antenna inputs are standard and accept extended anti-interference antennas that bypass metal-cabinet shielding, giving 60 metres of visible working distance. The 1U metal chassis carries four balanced XLR outputs and one unbalanced 6.35mm output, and the handheld transmitters run 8–10 hours per charge.

4CH Wireless audio channels
30MHz Frequency band width
20 Preset frequency groups
< 0.7% T.H.D at 1KHz
60 m Working distance (visible)
8–10 h Transmitter operating time

PRODUCT KEY FEATURES

 Four-Channel Receiving Design A single 1U receiver runs up to four wireless microphones on independent channels.	 20 Preset Frequency Groups PLL phase-locked circuitry with automatic selective signal receiving holds a clean, stable link.	 Infrared Automatic Sync Four independent SYNC buttons pair each microphone to its channel with a single press.
 Shuttle Knob & HD Display A light-ring shuttle knob and 256 × 64 COG display show volume, module, frequency and AF/RF level.	 Electronic Volume Control Each channel takes 0dB to 20dB of gain, set from the front-panel shuttle knob.	 Flexible Antenna System Four BNC antennas as standard, with extended antennas and distribution for larger venues.
 Anti-Interference Circuitry Anti-electromagnetic design keeps mobile-phone and electronic noise out of the audio path.	 Dynamic Handheld Microphone A dynamic coil capsule voiced on acoustic-space principles gives high-fidelity speech.	 All-Day Battery Life Ultra-low-power circuitry gives 8 hours of continuous speaking and 12 hours of standby.

TECHNICAL SPECIFICATIONS

SYSTEM & RF

Configuration	4-channel receiver + handheld mics
Audio Channels	4CH wireless
Carrier Frequency Band	UHF 530 – 670MHz (customizable)
Frequency Band Width	30MHz
Preset Frequency Groups	20 sets
Oscillation	PLL phase-locked loop
Modulation	FM
Max Deviation Range	±45KHz

RECEIVER

Receiving Mode	Automatic selective signal receiving
Display	HD 256 × 64 COG
Front Control	Shuttle knob with light ring
Volume Control	Electronic, 0dB – 20dB per channel
Frequency Pairing	Infrared auto sync, 4 × SYNC keys
Sensitivity	S/N > 60dB @ 25KHz, 6dBv
Signal-to-Noise Ratio	> 105dB
T.H.D	< 0.7% @ 1KHz
Frequency Response	20Hz – 20KHz ±3dB
Audio Output	Balanced XLR × 4 Unbalanced 6.35mm × 1
Antenna Input	BNC × 4
Power Supply	DC 12V, < 7.2W

HANDHELD TRANSMITTER

Capsule	Dynamic coil
Display	High-brightness LCD
Working Voltage	DC 3.7V – 4.5V
RF Power	15mW
Harmonic Radiation	< -65dBm
Power Consumption	Standby ≤ 350mW Speaking ≤ 620mW
Operating Time	8 – 10 hours
Operating Temperature	-9°C – 40°C

PHYSICAL & COVERAGE

Working Distance	60 m (visible distance)
Receiver Size (L×W×H)	483 × 235 × 45.3 mm
Receiver Weight	3.1 kg
Receiver Chassis	1U standard rack, metal shell
Transmitter Size	Length 263 mm Max Ø 51 mm
Transmitter Weight	0.35 kg