



UK
TECHNOLOGY

DUAL-CHANNEL UHF WIRELESS MICROPHONE

MC-WM-2005HD



Professional Product Overview

The MC-WM-2005HD is a dual-channel UHF handheld wireless microphone system for professional audio environments. It offers stable UHF transmission, up to 200 selectable frequencies, digital ID protection and feedback suppression.

Dual CH

Handheld system

499-900MHz

UHF receiver range

Up to 200

Selectable frequencies

100m

Wireless range

Dual-channel UHF handheld microphone system for professional stage and event audio



Description & Key Features

The MC-WM-2005HD Series is a high-performance dual-channel UHF wireless microphone system designed to deliver crystal-clear audio in professional environments such as stages, auditoriums and event venues.

The system operates on the UHF 499-900MHz band and provides long-range operation, digital encryption, digital ID identification and built-in feedback suppression for reliable voice reinforcement.

01 Stable UHF signal

UHF wireless transmission is less likely to suffer interference than VHF.

02 Up to 200 frequencies

Multiple systems can operate simultaneously with reduced interference.

03 Auto pairing

Automatic pairing helps simplify setup and channel management.

04 High-end LCD

LCD displays provide clear channel and system monitoring.

05 100m wireless range

Ultra-long operating range supports large stages and auditoriums.

06 Digital ID protection

Digital ID identification helps prevent interference and cross-talk.

07 Digital encryption

Unique encryption technology helps protect against eavesdropping.

08 Feedback suppressor

Built-in suppressor supports one-key howling elimination.

09 Handheld transmitters

Dual handheld microphones suit presenters, singers and performers.

10 Cardioid pickup

Dynamic cardioid capsule reduces background noise.

11 Professional receiver

Rack-mountable receiver with independent channel controls.

12 Event deployment

Suitable for stage, conference, education and entertainment venues.



Technical Specifications

System Specifications

Parameter	Specification
Model	MC-WM-2005HD
Description	Dual-channel UHF handheld wireless system
Receiver Oscillation Mode	PLL frequency synthesis
Frequency Range	UHF 499MHz - 900MHz
Modulation Mode	FM
Frequency Stability	+/-0.001%
Receiver Sensitivity	1.2uV @ S/N=12dB
Power Supply	DC 12V
Audio Output	Independent 0-2V / Hybrid 0-2V

Audio Inputs & Outputs

Parameter	Specification
SNR	>60dB
Distortion	<0.5% @ 1kHz
Microphone Response	60Hz - 17kHz; sensitivity -42 +/- 2dB @ 1kHz

Control, Event & Physical Data

Control & System Features

Parameter	Specification
Transmitter Data	DC 3V (1.5V AA x 2), 110mA consumption
Microphone Characteristics	Dynamic capsule, cardioid polarity, >=100dB dynamic range

Environment & Physical

Parameter	Specification
Operating Range	Up to 100m
Receiver Format	Rack-mount receiver with dual handheld microphones
Carrier Frequency	UHF 499MHz - 937MHz
Max Frequency Offset	+/-70kHz
Application	Stage, broadcast, education and live events

