

2 Channel Digital Wireless Microphone System

Model: CLA-WM800



SUMMARY

This premium wireless microphone system blends elegant design with advanced technology to deliver crystal-clear, interference-free sound. Featuring high-brightness displays, intelligent frequency management, and true diversity reception, it ensures stable long-distance coverage up to 100 meters. With ultra-low power consumption, built-in lithium batteries, and Type-C charging, it offers over 10 hours of working, making it the ideal choice for professional conferences, large venues, and corporate events.

FEATURES

❖ Crystal-Clear Displays

High-brightness LCD and IPS TFT screens provide sharp visuals of frequency, battery level, and operating status for effortless monitoring.

❖ Superior Sound Quality

Acoustic space-engineered microphones with dynamic coil and high-sensitivity condenser cores deliver natural, high-fidelity audio for conferences.

❖ Interference-Free Performance

Innovative anti-electromagnetic interference circuit design ensures stable operation even around mobile phones and electronic devices.

❖ Reliable Long-Distance Coverage

True diversity reception with dual BNC antennas and optional extended antennas achieves up to 100 meters of stable transmission.

❖ Smart Frequency Management

Built-in preset modules, PLL phase-locked loop, one-key infrared SYNC, and intelligent AFS scanning automatically select clean channels.

❖ User-Friendly Controls

Shuttle knob with light ring, electronic volume adjustment, sensitivity settings, and lock key protection make operation simple and precise.

❖ Endurance You Can Trust

Ultra-low power design with high-performance lithium battery provides 12+ hours workability, with Type-C charging support.

❖ Flexible Installation

Compact 1U metal cabinet design integrates seamlessly into professional setups, while antenna distribution ensures full venue coverage.

❖ Conference-Ready Features

Speaking timer, touch-sensitive switches with clear green/red indicators, and multilingual support enhance usability in professional environments.

❖ Elegant, Premium Design

High-end appearance with a sleek metal panel and aluminum alloy microphone, built for style, stability, and professionalism.

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SPECIFICATIONS

Series	CLA-2WM800
Receiver	CLA-2WM800R
Power supply	DC12V
Consumption Rating	< 7.2W
Size (L×W×H)	483mm x 235mm x 45.3mm
Weight	3.1kg
Carrier frequency band	UHF Band (Ultra High Frequency Band)
Frequency band width	30MHz
Audio channel	2CH
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	60 meters (visible distance)
Audio output	Unbal6.35mm x1
	Bal : XLR x2
Gooseneck Transmitter	CLA-2WM800GN
Working Voltage	DC 3.7V -- 4.5V
Consumption Rating	Standby: ≤350mW, Speaking: ≤620mW
Display	2.4inch 320x240 IPS TFT

Operating time	8-10 hours
Operating temperature range	-9°C -- 40°C
Size (L×W×H)	Base : 101.7*148*56.5mm,
	Gooseneck Mic : 420mm
Weight	Base : 0.68 kg,
	Gooseneck Mic : 0.07kg
Carrier frequency band	UHF Band (Ultra High Frequency Band)
Oscillation	PLL
Harmonic Radiation	<-65dBm
Max Deviation	+/-45KHz
Handheld Transmitter CLA-2WM800HH	
Working Voltage	DC 3.7V -- 4.5V
Consumption Rating	Standby: ≤350mW, Speaking: ≤620mW
Display	LCD
Operating time	8-10 hours
Operating temperature range	-9°C -- 40°C
Size (L×W×H)	Length : 263mm, Maximum diameter : 51mm
Weight	0.35kg
Carrier frequency band	UHF Band (Ultra High Frequency Band)
Oscillation	PLL
Harmonic Radiation	<-65dBm
Max Deviation	+/-45KHz
Capsule	Dynamic
RF Power	15MW
Bodypack Transmitter CLA-2WM800B (L/HW)	
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

Size (L×W×H)	65×87×23mm
Weight	0.07kg
Carrier frequency band	UHF Band (Ultra High Frequency Band)
Oscillation	PLL
Harmonic Radiation	<-65dBm
Max Deviation	+/-45KHz
Capsule	Condenser
RF Power	15MW