



WIRELESS MICROPHONE SYSTEM
WITH TWO HAND-HELD MICROPHONES
Avtek WME 2H



Avtek

Avtek WME 2H is an economical wireless system with two handheld microphones, combining ease of use with the functionality required for everyday applications. A wide selection of channels, adjustable frequency and quick pairing make the system easy to configure, while the metal microphone housings ensure a robust build. The dynamic capsules with a supercardioid polar pattern perform well during presentations, classes, conferences and other applications requiring wireless speech amplification.

SYSTEM

PARAMETER	VALUE
System type	Dual-channel UHF wireless microphone system
Configuration	1 receiver and 2 handheld microphones
Number of receiver channels	2
Carrier frequency range	614.100–663.850 MHz
Number of available channels	2 × 100
Channel spacing	250 kHz
Modulation type	FM
Maximum frequency deviation	±100 kHz
Frequency stability	±0.005%
Dynamic range	>100 dB
Signal-to-noise ratio	>100 dB
Total harmonic distortion (THD)	<0.5%
System frequency response	50 Hz–18 kHz, ±3 dB
Operating range	<60 m
Frequency adjustment	Yes
Quick frequency pairing	Yes

RECEIVER

PARAMETER	VALUE
Number of channels	2
Receiver sensitivity	<–107 dBm at 20 dB SINAD
Antenna connectors	BNC
Independent audio outputs	2 × XLR, balanced
Mixed output	1 × 6.35 mm jack, unbalanced
XLR output signal level	230 mV ±15 mV
6.35 mm output signal level	230 mV ±15 mV
Rated supply voltage	12 V DC
Minimum power supply current capacity	>500 mA
Power supply input voltage	100–240 V AC, 50/60 Hz
Receiver current consumption	<200 mA
Display	LCD

TRANSMITTER

PARAMETER	VALUE
Number of microphones	2
Transmitter type	Handheld microphone
Transmitter construction	Metal
Frequency synthesis	PLL, digital frequency synthesizer
Frequency error	<15 ppm
Transmitter power	Max. 10 mW
Transmitter dynamic range	≥100 dB(A)
Transmitter frequency response	50 Hz–18 kHz, ±3 dB
Transmitter current consumption	<135 mA
Power supply for one microphone	2 × 1.5 V AA batteries (included)
Capsule type	Dynamic
Capsule polar pattern	Supercardioid at 1 kHz
Capsule frequency response	50 Hz–14 kHz



