



MICORUS

DUAL-CHANNEL UHF WIRELESS MICROPHONE

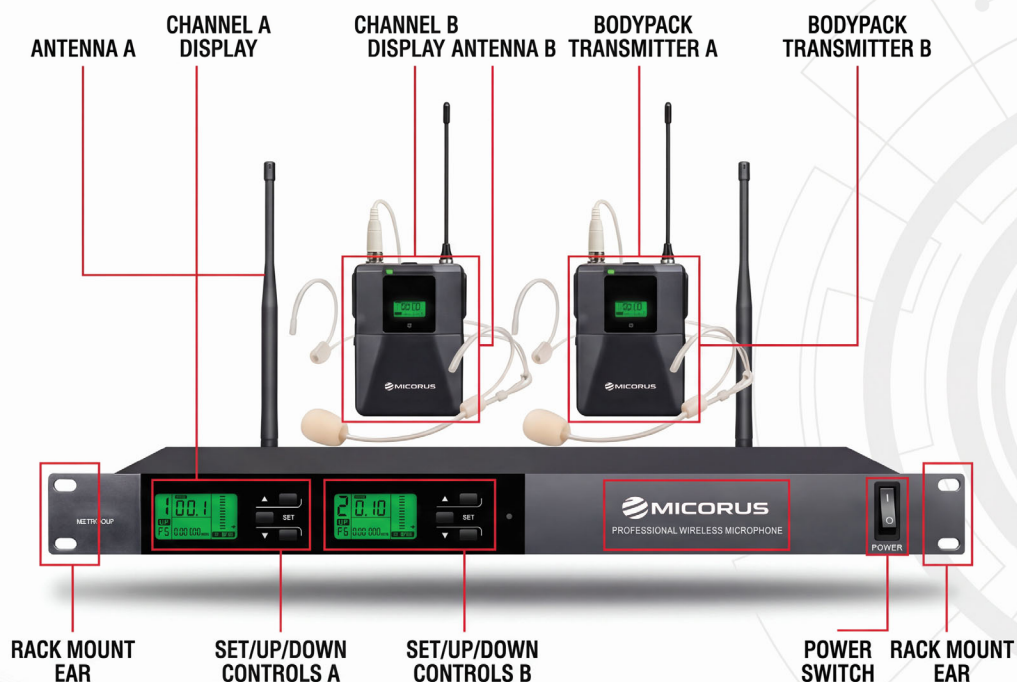
WM-2870B





DUAL-CHANNEL UHF WIRELESS MICROPHONE **WM-2870BV** **DESCRIPTION**

The WM-2870BV Series is a high-performance Dual-Channel UHF Wireless Microphone System designed to deliver crystal-clear audio in professional environments. Operating on the advanced UHF 499MHz-900MHz band, it provides a significantly more stable and interference-free signal compared to traditional VHF systems. The system features a remarkable 100-meter operating range, offering presenters and performers complete freedom of movement across large stages or auditoriums. For maximum security and privacy, it incorporates Unique Digital Encryption and Digital ID technology to prevent unauthorized eavesdropping or signal cross-talk. To ensure a seamless audio experience, the built-in feedback suppressor instantly eliminates annoying howling at the touch of a single button. The receiver is equipped with a high-end LCD display for real-time monitoring of frequency and signal strength across its 200 selectable channels. Whether using the handheld, bodypack, or desktop configuration, the Cardioid polar pattern ensures superior voice isolation and excellent background noise rejection.





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FEATURES



UHF wireless microphone is less likely to subject to interference than VHF microphone, transmitting more stable signal.



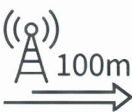
Up to 200 frequencies, several sets of microphones can be used simultaneously without worrying about interferences



With auto pairing technology



With high-end liquid crystal display



Ultra-long operating range. The UHF Handheld wireless microphone has a wireless range of up to 100 meters. Digital ID identification technology, without worrying about interferences



Unique digital encryption technology, preventing off-site surveillance or eavesdropping



Built-in feedback suppressor, one-key eliminating howling



TECHNICAL SPECIFICATIONS

GENERAL INFORMATION



Model

**WM-2870B**

RECEIVER SPECIFICATIONS

 Receiver Oscillation mode	 PLL frequency synthesis
 Frequency range	 UHF 499MHz - 900MHz
 Frequency stability	 $\pm 0.001\%$
 Modulation mode	 FM
 SNR	 > 60dB
 Distortion	 < 0.5% @ 1KHz
 Receiver sensitivity	 1.2/UV @ S/N=12dB
 Power supply	 DC 12V
 Audio output	 Independent 0-2V / Hybrid 0-2V

TRANSMITTER SPECIFICATIONS

 Power supply	 DC 3V (1.5V AA $\times$ 2)
 Microphone power consumption	 110mA
 Carrier frequency	 UHF 499MHz - 937MHz
 Frequency stability	 $\pm 0.001\%$
 Max frequency offset	 $\pm 70\text{KHz}$
 SNR	 > 60dB
 Adjacent frequency interference ratio	 > 80dB
 Dynamic range	 $\geq 100\text{dB}$

MICROPHONE CHARACTERISTICS

 Type	 Dynamic
 Polarity mode	 Cardioid
 Frequency response	 60Hz - 17KHz
 Microphone sensitivity	 $-42 \pm 2\text{dB}$ @ 1KHz