

WF-D190H MKII 90-CHANNEL UHF DIGITAL WIRELESS HAND-HELD MICROPHONE SYSTEM

WF-D190 MKII adopts a brand-new digital transmission technology and hardware encryption of audio data that enable superior audio quality compared to analog UHF systems, very-low latency (better than 2.4GHz systems) and maximum security due to the cryptographic hardware. The unique 16bit digital ID pilot technology avoids interferences even on same frequency, and allows continuous exchange of data between transmitter and receiver, such as battery level, transmission power, squelch operation, etc. The system is also equipped with automatic frequency scanning and frequency spectrum display, which allow the user to select the less disturbed frequencies in every environment it operates. It features 90 frequencies, divided into 15 groups, each of which contains 6 channels. The user interface is very simple and intuitive, thanks to the TFT color display on the receiver and the simplicity of its setup menus. The handheld transmitter and the bodypack, however, are equipped with LCD display with auto-off function, to save battery consumption. The handheld microphone is also equipped with rechargeable lithium battery that can be recharged via the USB port on the back of the receiver. Finally, two 19" rack mount kit are available to install 1 or 2 receivers, respectively, in 1 or 2 rack units.



















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PRODUCT DETAILS

KEY FEATURES

UHF E-Band operation (823-832 MHz) Digital audio transmission technology Unique digital 16-bit ID pilot technology Transmitter AF-level, Audio-level and Battery-Low monitoring on the Receiver Double antenna diversity technology No crosstalk disturbance even on same frequency Ultra-short audio latency Ultra-short audio latency disturbance even on same frequency Sol-20kHz frequency abkHz sampling frequency 30-20kHz frequency response Colorful TFT display and menu settings on receiver Auto frequency scanning and spectrum display for Ideal Distance (without obstacles) Infrared Tx-Rx synchronization system for quick system setting Professional Handheld Microphone with Professional Dynamic Cardioid Capsule and rechargeable Lithium Battery Rack-Mount Kit for 1 or 2 receiver units to 1 x or 2x 19° rack unit (optional)

Detachable Antennas with BNC connector





SPECIFICATIONS

| System Carrier Frequency | UHF823-832MHz |
|--------------------------------------|---|
| System Bandwidth | 9MHz |
| System Channel Bandwidth | 100kHz |
| Preset Group/Channel | 10 groups, 9 frequencies in each group |
| Dynamic Range | >98dB |
| Total Harmonic Distortion | <0.1% |
| Frequency Response | 30Hz-20kHz / ±2dB |
| Audio Output Level | Balanced 400mV; Unbalanced 400mV |
| System Packing Dimensions (WxHxD) | 436 x 104 x 324 mm |
| System Packing Gross Weight | 2.5 kg |
| Power Supply | DC 12V / 1000mA |
| Receiver Consume Power | 5W |
| Receiver Signal/Noise Ratio | >98dB |
| Receiving Sensitivity | -95dBm |
| Transmission Delay | <3ms |
| Receiver Dimensions (WxHxD) | 210 x 45 x 118 mm (antennas not incl.) |
| Receiver Antenna | 255 mm (not bent) with BNC connector |
| Receiver Net Weight | 0.4 kg |
| Transmitter Power | 10mW (Max) |
| Modulation Type | DQPSK |
| Battery Voltage Handheld Transmitter | 1x 3.7V - 1200mAh Lithium Rechargeable Battery (type 18500) |
| Transmitter Continuous Using | 5 hours (HI Trans. power); 7 hours (LO Trans. power) |
| Battery Charge Time | About 3,5 hours |
| Hand-held Mic. Dimensions (W/DxH) | Ø35 (min) - Ø46 (max) x 240 mm |
| Hand-held Mic. Net Weight | 0.26 kg (batteries included) |

