



FMR-1000 UHF Frequency Agile Wireless Microphone System

FMR1000-REF Referee System

Includes:

FMR-1000 950-channel UHF receiver
100mW Bodypack
RSB-2 Referee switch
ELM-33 directional Mic
Pouch
Rack Hardware

Note: Antennas not included

Applications:

Fixed Install, Rentals, Professional
medium to Large Installs 1 – 16+ Systems

Key Features:

- Up to 16 systems can operate simultaneously from the pre-set channels
- Advanced ClearScan™, automatic group and channel selections, for quick and simple system setup.
- Over 950 possible channels.
- Front panel parametric equalizer with Level, Q, and Frequency controls for sound shaping without a mixing board.
- Backlit LCD Display shows the Group/Channel, transmitter battery status, diversity operation, RF and Audio level meters, and space for a custom label.
- Cast magnesium bodypack transmitter, and over-molded Warm-Grip™ handheld transmitter with detachable microphone elements.

FMR-1000 UHF

Frequency Agile Wireless Microphone System



FRM-1000 Receiver Specs

Controls

Front Panel: On/Off, menu, set, up, down buttons, parametric EQ (level -12 dB to + 12 dB, Q 3.0 - 0.1, frequency 100 - 2 kHz)

Rear Panel: 1/4 inch output level

Indicators

LCD Backlit Display: Group, channel, diversity, label, squelch, set-up screen, transmitter battery level, audio signal amplitude, RF signal strength.

Connectors

Back Panel: 1/4 inch unbalanced adjustable output

XLR balanced output

USB programming port

5 pin strip connector

Pin 1: Transmitter "On" TTL signal

Pin 2: Battery low TTL signal

Pin 3: Logic ground

Pin 4: Unbalanced line level audio output

Pin 5: Audio common (ground)

Antennas Detachable 1/4 wave

RF Specifications

Frequency Range: A Band 680 – 704 MHz (TV Channels 49, 50, 51, 52)

B Band 722 – 746 MHz (TV Channels 56, 57, 58, 59)

Number of Channels: 950 possible (programmable in 25kHz steps)

Diversity: DSP PosiPhase true diversity

Receiver Type: synthesized PLL agile UHF

RF Sensitivity: <0.8uV for 12 dB SINAD

FCC type acceptance: Approved under Part 15

Audio Specifications

Frequency Response: 100 – 15 kHz +/- 2 dB

microphone 30 – 15 kHz +/- 2 dB instrument

Audio Output Level:

Line Level 8 mV - 0.775V RMS into a 100 k ohm load

Balanced -20 dBV max (@40kHz deviation)

Distortion: Less than 0.5% (@1kHz, 40kHz deviation)

Signal to Noise Ratio: >110 dB (A)

Dynamic Range: >100 dB



General Specifications

Power Supply: External 12 VAC 750mA in-line with cord

Size: 1.72" H x 7.50" W x 8.38" D

43.69mm H x 190.50mm W x 212.85mm D