

RTM-1000 Remote Test Wireless System

Reduce the hassle and improve the results of your pre-concert soundchecks with the Electro-Voice® RTM-1000 Remote Test Wireless System. The RTM-1000 provides a wireless link between your calibrated measurement microphone and audio analyzer. That means you can quickly test multiple locations from the front row to the nosebleed seats in the time it would take to haul long mic cables to just one spot.

- Wireless link between test microphone and audio analyzer allows faster, easier measurement of large performance spaces
- Optional 48V phantom power supply works with any measurement microphone
- Non-companded transmission does not affect audio quality

RTM-1000 System

- Mounting strap
- TA4F-to-XLR adapter cable
- AC Adapter (as pictured at right)



RTM-1000 Transmitter

RTM-1000 Transmitter is shown with the mounting strap and cable adapter. (Microphone and mic stand not included)



Optional 48V phantom power supply.

The key feature of the RTM-1000 is that it defeats the compander on both the receiver and bodypack transmitter. Wireless mic systems normally use companding (compressing/expanding) to stuff more dynamic range through narrow wireless channels. But companding can also add coloration or distortion to the signal. The RTM-1000 defeats the compander circuit, leaving the signal from mic to analyzer unchanged.

The RTM-1000 system includes a bodypack transmitter in a rugged cast magnesium case with a mic stand mounting strap and a TA4F-to-XLR adapter cable to accommodate most calibrated microphones. The RTM-1000 receiver includes two detachable 1/4-wave antennas, and can be rack-mounted with optional hardware.



SPECIFICATIONS

RTM-1000

Receiver

Controls	
Front Panel:	Power On/Off
Rear Panel:	Group, Channel, Frequency
Indicators	
Diversity Lights:	Indicates antenna phase relationship
Audio Meter:	Shows audio signal level from the transmitter
RF Meter:	Shows the RF signal strength
Connectors	XLR balanced output
Antennas	Detachable 1/4- wave ground independent
RF Specifications	
Frequency:	722-746 mHz
Diversity:	Full True Diversity
RF Sensitivity:	<0.5uV for 12 dB SINAD
FCC type acceptance:	Approved under Part 15
Audio Specifications (compander active)	
Frequency Response:	30 Hz – 15 kHz ± 1 dB
Audio Output Level:	-50 dBm to -10 dBm into 200 Ω
Distortion:	Less than 0.5%
Dynamic Range:	100 dB
Audio Specifications (compander inactive)	
Signal to Noise Ratio:	57 dB typical

Transmitters

Controls	
	Power on/off switch
	Transmit Power
	Audio gain adjustment with 40 dB range
Indicators	
Battery Life	7 hours with 9-volt alkaline
Antenna	1/4-wave detachable
Connector	Microphone input 4-Pin TA4F
	Pin 1: ground; Pin 2: Mic input;
	Pin 3: +5V bias; Pin 4: +5V through 3k Ω
RF Output	5 mW or 50 mW max
Size	3.75" x 2.6" x .09" (96 mm x 66 mm x 23 mm)