

REMOTE TEST WIRELESS SYSTEM

"The RTM-1 wireless test mic link is what anyone doing acoustic measurements in large spaces needs! You can hit more measurement locations in less time. We've been able to measure system response from the front rows to the back of the balconies — a very useful system."

—Bill Gelow
Director of Engineering
Electro-Voice Speakers



RTM-1 SYSTEM INCLUDES:

- DETACHABLE ANTENNAS
- MOUNTING STRAP
- LEMO-to-XLR ADAPTER CABLE
- AC ADAPTER

RTM-1 TRANSMITTER IS SHOWN WITH THE MOUNTING STRAP AND CABLE ADAPTER. PHOTO SHOWS RTM-1 WITH OPTIONAL KLARK-TEKNIK® MICROPHONE (MIC STAND NOT INCLUDED).

If 15,000 concert goers could sit right behind your FOH console, you wouldn't need the RTM-1.

- Wireless link between test microphone and audio analyzer allows faster, easier measurement of large performance spaces.
- Works with most measurement microphones.
- Non-companded transmission does not affect audio quality.



Reduce the hassle and improve the results of your pre-concert soundchecks with the Electro-Voice® RTM-1 Remote Test Wireless System. The RTM-1 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.

The key feature of the RTM-1 is the compander on/off switches 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-1 lets you defeat the compander circuit, leaving the signal from mic to analyzer unchanged.

The RTM-1 system includes a bodypack transmitter in a rugged metal case with a mic stand mounting strap and a LEMO-to-XLR adapter cable to accommodate most calibrated microphones. The RTM-1 receiver includes two detachable 1/2-wave antennas, and can be rack-mounted with optional hardware.

Unleash your audio analyzer with the RTM-1. For more information, call **1-800-667-3968**, or visit www.electrovoice.com





RTM-1 RECEIVER SHOWN WITH DETACHABLE ANTENNAS

RTM-1 RECEIVER

Controls

Front Panel:	Power On/Off
Rear Panel:	Microphone Output Adjustment Compander on/off

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 1/2- wave ground independent

RF Specifications

Frequency:	566.3, 590.3, 614.3, 638.3, or 662.3MHz
Diversity:	Full True Diversity
RF Sensitivity:	<0.5uV for 12 dB SINAD
FCC type acceptance:	Approved under Part 15

Audio Specifications (with compander active)

Frequency Response:	50 Hz – 15 kHz ± 1 dB
Audio Output Level:	-50 dBm to -10 dBm into 200 Ohms
Distortion:	Less than 0.5%
Signal to Noise Ratio:	110 dB typical
Dynamic Range:	100 dB

Audio Specifications (without compander active)

Signal to Noise Ratio:	62 dB typical
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RTM-1 TRANSMITTER

Controls

Power on/off switch
Audio mute on/off switch
Audio gain adjustment with 40 dB range
Compander on/off

Indicators Red LED low battery indicator

Battery Life 10 hours with 9-volt alkaline

Antenna 1/4-wave detachable

Connector Microphone input 4-Pin LEMO
Pin 1: ground; Pin 2: Mic input;
Pin 3: +5V bias; Pin 4: +5V through 3k ohm

RF Output 45 mW typical, 50 mW max

Size 3.75 in. x 2.5 in. x .75 in.
(96 mm x 64 mm x 19 mm)

Ordering information

Part Number	71860-XXX
Description	<p>RTM-1 standard package, including:</p> <ul style="list-style-type: none"> • Bodypack transmitter with 1/4-wave antenna • LEMO-XLR adapter cable • Microphone stand mounting strap • Receiver • (2) 1/2-wave detachable antennas • AC adapter



Part # XXX	Frequency MHz	TV Channel
301	566.3	30
341	590.3	34
381	614.3	38
421	638.3	42
461	662.3	46



Step Up To
ElectroVoice®

Telex Communications, Inc.
12000 Portland Avenue South
Burnsville, Minnesota 55337

p: 800-392-3497
f: 952.884.0043

www.electrovoice.com

OPTIONAL ACCESSORIES

Part Number	71081-001
Description	RM-S Single-rack-mounting hardware for receiver