



Key Features:

- **950 Possible frequencies in 24MHz operating band**
- **Optimized audio path to provide true wired microphone sound**
- **Rugged machined aluminum handheld transmitter with interchangeable microphone elements**
- **Cast magnesium bodypack transmitter is extremely light and durable. The REV-WT bodypack also uses two AA batteries with the option to use rechargeable NiMH batteries with the BH-200 charging station.**
- **5mW or 50mW transmit power on every transmitter**
- **REV-Link PC software monitoring and control of the receivers**
- **Advanced ClearScan™ scans for the clearest channel and group of channels**

General Description:

The REV Wireless Microphone system combines frequency agility and ease of use like no other. The RE-V transmitters and receivers operate over a 24 MHz bandwidth in the UHF portion of the spectrum. The high quality audio circuitry and advanced Radio Frequency (RF) signal processing offer broadcast quality signal-to-noise and audio clarity.

By combining four different frequency bands up to 44 simultaneous systems can work together on one stage. Advanced Clearscan™ scans all available channels and displays a sorted list of the best coordinated groups of channels. The scanning continues and sorts for the clearest channels in the coordinated group giving the user the best possible channel for their location.

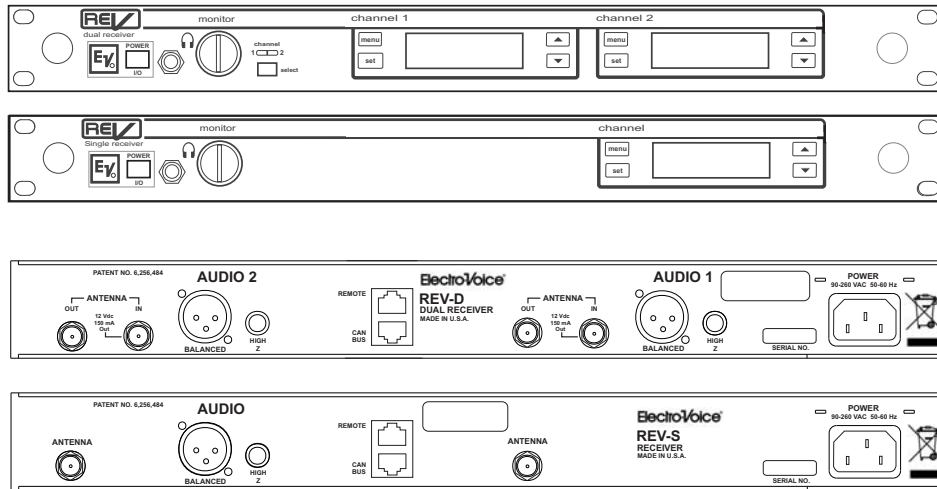
The entire audio path has been optimized to provide the truest representation of a wired microphone sound possible in a wireless system. The Electro-Voice exclusive guitar audio optimization in the bodypack transmitter and the receiver combine to give that "wired" sound back to the bassist and guitarist. The guitar setting lowers the low end response down to 30 Hz, pads the input, and changes the audio for the best response possible from a wireless.

REV-WT is an all new cast magnesium bodypack transmitter that is the smallest ever made by EV. Using two AA batteries the REV-WT also has recharging contacts for use with NiMH batteries and the optional BH-200 charging station. Other unique features include an on/off switch menu that allows the switch to be defeated or act as an audio only mute that leaves the RF carrier active.

The all new REV-H concert handheld transmitter is about the size and shape of a wired microphone to encourage proper microphone technique and uninhibited performances. An alternative REV-PH presentation handheld includes a user accessible on/off/mute switch and another lightweight, small handheld.

The Single and Dual receivers are full 19" rack mount units with integrated mounting hardware and IEC universal power supplies. The REV-D features antenna pass through that allows 6 channels of receive to be connected to two antennas with just the cables that come with the units. Both units have parallel RJ45 jacks that allow the connection of CAN bus monitoring and control with a PC through the UCC-1 USB to CAN converter.





Technical Specifications:

REV-Dual and REV-Single Receiver Specifications

Controls

Front Panel:..... On/Off, Menu, Set, Up, Down Buttons
 1/4 in. Headset Jack with Selector and Volume
 Indicators: LCD Backlit Display..... Group, Channel, Diversity, Label, Set-up Transmitter Battery
 Level, Audio Signal Amplitude and RF Signal Strength, Squelch,
 Audio output levels, and instrument mode

Connectors

Back Panel:..... 1/4in. unbalanced adjustable line level output
 XLR balanced adjustable line level output
 CAN Bus in and out port
 Antennas:..... TNC Detachable 1/2 wave

RF Specifications

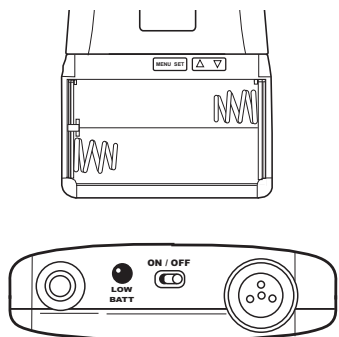
Frequency Range: C1 Band 614-638 MHz (TV Channels 37-41)
 C2 Band 650-674 MHz (TV Channels 44-47)
 C3 Band 674-698 MHz (TC Channels 48-51)
 C5 Band 722-746 MHz (TV Channels 56-59)
 Number of Channels: 950 possible (programmable in 25 kHz steps)
 Diversity:..... DSP PosiPhase™ True Diversity
 Squelch:..... Tone Code plus Adjustable Amplitude
 RF Sensitivity: <0.8µV 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:
 Balanced Output Adjustable 10mV-1V RMS Adjustable
 Unbalanced Output Adjustable..... 8 mV to 0.755V RMS (100k ohm load)
 Distortion: Less than 0.5% (@ 1kHz, 40 kHz deviation)
 Signal-to-noise Ratio: >110 dB (A)
 Dynamic Range:..... >100 dB

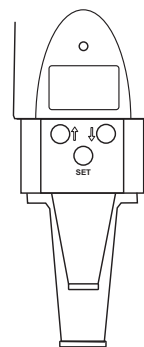
Other

REV-D Antenna Output:..... TNC
 Powered Antenna Inputs:..... TNC 12Vdc, 15mA
 Internal Switching Power Supply: Universal Cord, 90-240 VAC, 50-60 Hz
 CAN Bus Monitoring & Control:..... RJ45 Jacks, REV-Link Software
 Size:..... 1.72 in. H x 16 in. W x 12 in. D (43.7mm H x 406.4mm W x 304.8mm D)



REV-WT Transmitter

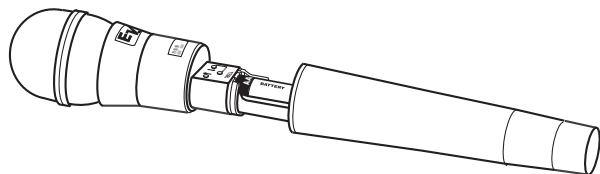
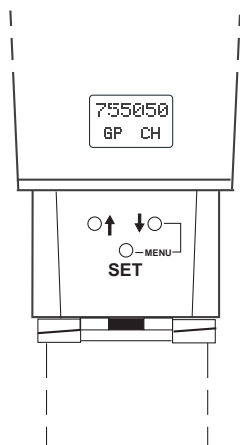
Controls:	Power, Menu Set, Up, Down
Indicators:	Red LED Low Battery Indicator, Back lit LCD display showing: Battery Level, Channel/Group, or Frequency
Battery Life:	8 hours with two AA alkaline typical
Antenna:	External 1/4 wave detachable
Connector:	TA4F input for microphone, Pin 1 - ground, Pin 2 - Mic input, Pin 3 - +5 Bias, Pin 4 - +5V through 3k ohm
RF Output Selectable:	5 mW or 50 mW typical
Case Material:	Cast Magnesium
Size:	3.37 in. H x 2.6 in. W x 0.75 in. D 85 mm H x 66 mm W x 19 mm D



REV-PH Presentation Handheld Transmitter

Controls:	Power On/Off, Set, Up, Down
Displays:	LCD display showing: Battery Level, Channel/Group or Frequency
Battery Life:	8 hours with 9V alkaline typical
Antenna:	Internal 1/2 wave
Microphone Elements:	EV N/D 767a or N/D 967 Dynamic EV RE510 or RE410 Condenser
RF Output Selectable:	5 mW or 50 mW typical
Case Material:	High Impact ABS
Size (Length x max diameter):	24.8 cm (9.75 in.) x 52 mm (2.04 in.)

REV-H Handheld Transmitter



Controls:	Power On/Off, Set, Up, Down
Displays:	Backlit LCD display showing: Battery Level, Channel/Group or Frequency
Battery Life:	10 hours with two AA alkaline typical
Antenna:	Internal Proprietary
Microphone Elements:	EV N/D 767a or N/D 967 Dynamic EV RE510 or RE410 Condenser
Case Material:	Machined Aluminum
RF Output Selectable:	5 mW or 50 mW typical
Size (Length x max diameter):	24.8 cm (9.75 in.) x 52 mm (2.04 in.)

REV ACCESSORIES AND SPARE PARTS

Description	Model Number	Order Number
Omnidirectional MicroMini™ Lapel Mic:	RE90TX	71753318
Unidirectional MicroMini™ Lapel Mic:	RE92TX	301456000
Unidirectional Horn Mic with Shcok Mount	RE920TX	301815000
Lightweight omni headworn Mic:	RE97TX	301XXX000
Headworn Cardioid Condenser Mic:	HM7	HM7
Guitar Cord:	MAC-G2	879526
1/2 Wave RX Antenna (C3 and C5 Bands):	FA-500	860031
1/2 Wave RX Antenna (C1 and C2 Bands):	CLA-3	870658-3
1/2 Wave Antenna Bracket:	AB-2	71138000
UHF Antenna Amplifier (520-806 MHz):	UAA-500	7186400
Antenna/Pwr Distribution (600-780 MHz):	APD4+	301614000
Termination Plug for APD4+:	TP-2	650095
Directional Rx Antenna (450-900 MHz):	LPA-500	LPA-500
Low Loss Coaxial Antenna Cable:	CXU-25 ft CXU-50 ft CXU-75 ft CXU-100 ft	71151025 71151050 71151075 71151100
Two Pocket Charger for REV-WT	BH-200	PRD000130000
Cell Phone Style Belt Clip	BC-1000	879518
Flat Metal Belt Clip	BC-REV-Metal	ASY000068000
767a Dynamic Head:	RC2-767	ACC000008D7
967 Dynamic Head:	RC2-967	ACC000008D9
RE410 Condenser Head:	RC2-410	ACC000008C4
RE510 Condenser Head:	RC2-510	ACC000008C5
Microphone Stand Adapter:	MSA-REV	880308



12000 Portland Avenue South, Burnsville, MN 55337
 Phone: 952/884-4051, Fax: 952/884-0043
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