

Electro-Voice RE3BPOL5L UHF Wireless Extender (Transmitter/Receiver) Set with OL3 Omnidirectional Lavalier Mic/488-524MHz

Band Details	
Band name	5L
Bandwidth limits (MHz)	488 - 524
Tuning bandwidth	36 MHz
Selectable frequencies	1440
Transmit output power (mW)	10 and 50
Coverage	Global
RE3-ACC-OL3 Omnidirectional Lavalier Microphone with TA4F	
Element type	Self-biased condenser
Frequency response	60 Hz - 15 kHz
Polar pattern	Omnidirectional
Sensitivity: open circuit voltage. 1 kHz	17.5 mV/Pascal (-35 dBV/PA)
Maximum SPL	130 dB SPL
Impedance	2200 ohms
Power requirements	3-9 VDC
Polarity	Positive pressure on diaphragm produces positive voltage at pin 2 relative to pin 1
Electrical contact pinouts	Pin #1 - Ground, shield Pin #2 - Audio Pin #3 - Bias voltage Pin #4 - N/C
Dimensions (cable length)	57.1" (1450 mm)
Dimensions (head length)	0.36" (9.2 mm)
Dimensions (head diameter)	0.2" (5 mm)
Net weight	0.617 oz (17.5 g)
Shipping weight	6.173 oz (175 g)
Microphone connector:	4-pin mini plug
Head finish	Non-reflecting black
Material	Brass, steel wire cloth grille, black flexible PVC cable
RE3-BPT-5L Bodypack Transmitter	
Frequency oscillation mode	Phase-locked loop (PLL)
Available band names, tuning bandwidths, and carrier frequency ranges	5L: 36 MHz (488-524 MHz)
Sync frequency	Ultrasonic
RF power output	Low 10mW / High 50mW
Display by	LCD + LED
Function controls	Power, mute, group, channel, frequency, sensitivity adjustment, input level attenuation, RF power, auto off, key lock.
RF stability	$< \pm 10\text{kHz}@F_c$
Modulation frequency shift	Wideband FM $\pm 48\text{kHz}$ deviation
Harmonic radiation	$< -50\text{dBc}$
Input jack	4-pin mini jack
Battery	2 x AA alkaline battery or NiMH rechargeable battery
Charging contacts	Yes
Finish	Black polyurethane paint
Dimensions (without antenna)	Height: 3.2 in. (81.5mm) Width: 2.54 in. (64.5mm) Depth: 0.98 in. (25mm)
Net weight	6.14 oz. (0.174 kg)
Gross weight	8.29 oz. (0.235 kg)
RE3-RX-5L Diversity Receiver	

Frequency Oscillation Mode:	Phase-locked loop (PLL)
Available band names, tuning bandwidths, and carrier frequency ranges	5L: 36 MHz (488-524 MHz)
Sync Frequency:	Ultrasonic 40 kHz
Diversity:	Antenna diversity
Bandwidth:	36MHz
Signal/Noise Ratio:	>100dB(A)
Total Harmonic Distortion (Thd):	<0.6%@1kHz
Receiving Sensitivity:	-81dBm for -12dB SINAD
Frequency Response:	63Hz~16kHz±2dB (BPT) 51Hz~16kHz±2dB (HHT)
Antenna Type:	Detachable ½ wave with BNC connector
Antenna Booster Power:	DC12 - 15V/100mA
Function Display By:	LCD
Contents Of Display:	Group, channel, frequency, antenna A/B, transmitter battery level, transmitter status (mute, live, or no sync), output level attenuation, AF indication, RF indication, key lock indicator.
Control Functions:	Power, scan, frequency, group, channel, squelch, TX sensitivity, TX attenuation, TX RF power, TX auto off, TX key lock, TX display info, TX sync configuration, RX output volume, RX output level, RX antenna booster power, RX key lock, RX display contrast, RX display brightness, RX system reset.
Sync Data Options:	Frequency, group, channel, sensitivity level, attenuation status, RF power, auto off status, key lock status, transmitter display (freq or Gp/Ch)
Audio Frequency Output Level:	Ref±22.5kHz Dev@1kHz Tone
	¼" (6.3mm) Phone Jack-10dBV
	XLR Jack-4dBV(Line)-24dBV(MIC)
Audio Frequency Output Impedance:	240Ω (unbalanced) 1400Ω (balanced)
Squelch and noise muting:	Noise muting and tone code locking
Output Ports:	1 x balanced XLRM jack 1 x unbalanced ¼" TS (6.3mm) jack
Power Supply:	DC12~15V/500mA
Finish:	Black polyurethane paint
Dimensions:	Width: 8.27 inch (210mm) Height: (with feet attached) 1.85 inch (47mm) Height: (without feet attached) 1.73 inch (44mm) Depth: (including antenna jack) 6.89 inch (175mm) Depth: (not including antenna jack) 6.1 inch (155mm)
Net Weight:	2.71 lbs [1.23 kg]
Gross Weight:	3.28 lbs [1.49 kg]