

Electro-Voice RE3BPHW5H UHF Wireless Extender (Transmitter/Receiver) Set with HW3 Headworn Mic/560-596MHz

Band Details	
Band name	5H
Bandwidth limits (MHz)	560 - 596
Tuning bandwidth	36 MHz
Selectable frequencies	1440
Transmit output power (mW)	10 and 50
Coverage	Global
RE3-ACC-HW3 Headworn Microphone with TA4F	
Element type	Self-biased condenser
Frequency response	30 Hz - 18 kHz
Polar pattern	Supercardioid
Sensitivity: open circuit voltage, 1 kHz	0.5 mV/Pascal (-47 dBV/PA)
Maximum SPL	130 dB SPL
Impedance	1000 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)	45.28" (1150 mm)
Dimensions (boom length)	5.83" (148 mm)
Net weight	1.35 oz (38.4 g)
Shipping weight	5.93 oz (168 g)
Microphone connector	4-pin mini plug
Head finish	Non-reflecting Black
Material	Black stainless steel painted adjustable headband frame. Molded back facing connector joint with 2.5mm jack for detachable cable, black textured PU. Black painted steel 100mm x 4.5 mm flexible mic positioning tube. Integrated black TPR mic shockmount. Clear soft silicone tubing at ear contact points.
RE3-BPT-5H Bodypack Transmitter	
Frequency oscillation mode	Phase-locked loop (PLL)
Available band names, tuning bandwidths, and carrier frequency ranges	5H: 36 MHz (560-596 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	<±10kHz@Fc
Modulation frequency shift	Wideband FM ±48kHz deviation
Harmonic radiation	<-50dBc
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-5H Diversity Receiver	
Frequency Oscillation Mode:	Phase-locked loop (PLL)
Available band names, tuning bandwidths, and carrier frequency ranges	5H: 36 MHz (560-596 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]