

RE3-RX-6M RE3 half rack space receiver 653-663MHz

- Diversity reception minimizes dropouts
- 10 MHz tuning bandwidth in the unique North American duplex gap for trouble-free operation
- Easy-to-read LCD display
- Frequency scanning for selecting open frequencies
- Sync function links transmitter to receiver for easy setup



The RE3-RX-6M is a professional rack-mountable, ½ space diversity receiver. Designed to function as the control center for an RE3 wireless set, it features frequency scanning and synchronizing, as well as full transmitter control settings which synchronize to a mated transmitter.

The diversity reception technology minimizes the chances of signal dropouts by providing two separate antenna locations which are electronically chosen moment-by-moment based on signal strength and stability. The 10 MHz tuning bandwidth provides access to wide range of frequencies within the unique North American duplex gap set aside by the FCC for wireless microphones, selectable in 25kHz steps for trouble-free operation of single or multi-channel systems. The easy-to-read LCD display provides vivid viewing of all menus and operating parameters. The easy-to-use frequency scanning function simplifies locating and tuning to a clear operating frequency. The sync function wirelessly synchronizes all operating parameters to the mated transmitter.

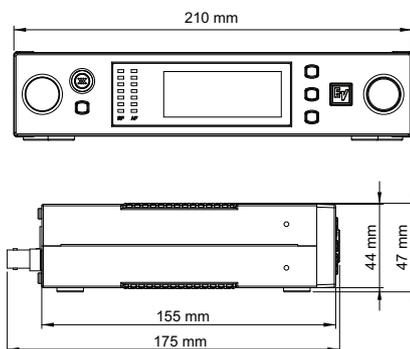
Technical specifications

Frequency oscillation mode:	Phase-locked loop (PLL)
Carrier frequency range:	653 - 663 MHz
Band name:	6M

Tuning bandwidth:	10 MHz
Sync frequency:	Ultrasonic 40 kHz
Diversity:	Antenna diversity
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 : $\pm 22.5\text{kHz Dev@1kHz Tone } \frac{1}{4}"$ (6.3mm) Phone Jack : -10dBV XLR Jack : -4dBV(Line)、-24dBV(MIC)
Audio frequency output impedance:	240 Ω (unbalanced) 1400 Ω (balanced)
Squelch and noise muting:	Noise muting and tone code locking
Output ports:	1 x balanced XLRM jack 1 x unbalanced $\frac{1}{4}"$ TS (6.3mm) jack
Power supply:	DC12~15V/500mA
Finish:	Black polyurethane paint
Dimensions:	Width: 8.27 in. (210mm) Height: (with feet attached) 1.85 in. (47mm) Height: (without feet attached) 1.73 in. (44mm) Depth: (including antenna jack) 6.89 in. (175mm) Depth: (not including antenna jack) 6.1 in. (155mm)
Net weight:	2.71 lb (1.23 kg)
Gross weight:	3.28 lb (1.49 kg)

Dimensions:



For full operational information, download the RE3 installation manual at www.electrovoice.com.

Licensing and certification declarations:

FCC Supplier's Declaration of Conformity
47 CFR, Section 2.1077 Compliance Information

Product Identifier:
Electro-Voice:
RE3 Wireless Receiver, AASP Active Antenna Splitter, ALPA Active Log Periodic Antenna, RFAMP Antenna Booster, BC2 Battery Charger

Responsible Party – U.S. Contact Information
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, NY 14450
USA
Tel: +1 (585) 223-4060

FCC Compliance Statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not be cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC: This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CE and EU: The CE Declaration of Conformity can be obtained and downloaded from: www.electrovoice.com

This Equipment is in compliance with CE requirements and the following directives:

- 2011/65/EU RoHS Directive
- 2012/19/EU WEEE Directive
- 2014/53/EU RED Directive

AU and NZ: This device is in compliance with Cispr32.

Replacement parts

Order number	Description
ESP-EF01U362330	RE3 rubber feet, skid pads and screws
ESP-EF01U362335	RE3 antenna, 6M band, 653-663MHz
ESP-EF01U362338	RE3 receiver power supply with AC clips

Compatible products

Order number	Description
RE3-HHT76-6M	Handheld transmitter with ND76 head, 653-663MHz
RE3-HHT86-6M	Handheld transmitter with ND86 head, 653-663MHz
RE3-HHT96-6M	Handheld transmitter with ND96 head, 653-663MHz
RE3-HHT420-6M	Handheld transmitter with RE420 head, 653-663MHz
RE3-HHT520-6M	Handheld transmitter with RE520 head, 653-663MHz
RE3-BPT-6M	Bodypack transmitter 653-663MHz
RE3-ACC-RMK1	Rack mount kit for single RE3 receiver
RE3-ACC-RMK2	Rack mount kit for two RE3 receivers

Parts included

Quantity	Component
1	Diversity receiver
2	½ wave antennas
1	Power supply with wall outlet clips
1	Engineering datasheet
1	Warranty and product documentation information card

Ordering information

RE3-RX-6M RE3 half rack space receiver 653-663MHz
RE3 wireless diversity receiver, 6M band, 653-663MHz, black
Order number **RE3-RX-6M**

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