



# RE3-RX RE3 Diversity Receiver

- Diversity reception minimizes dropouts
- Up to 36 MHz tuning bandwidth (band specific) 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 is a professional rack-mountable, 1/2 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 wide tuning bandwidth provides access to a wide range of frequencies, selectable in 25kHz steps for trouble-free operation of single and 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

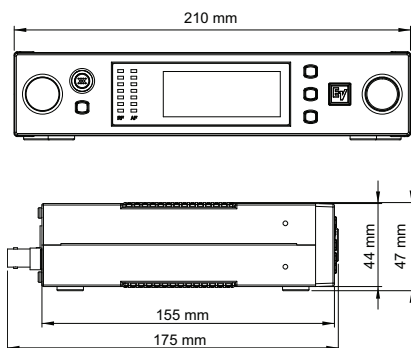
Frequency oscillation mode:	Phase-locked loop (PLL)
Carrier frequency range:	470 - 865 MHz (tuning bandwidth is band dependent)
Band names, tuning bandwidths, and carrier frequency ranges:	5L: 36 MHz (488-524 MHz) 5H: 36 MHz (560-596 MHz) 6M: 10 MHz (653-663 MHz) 8M: (823-865 MHz)*

T: 3 MHz (803-806 MHz)  
\*8M is split into two segments:  
823-832MHz: 9MHz  
863-865MHz: 2MHz

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 1/2 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 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](http://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](http://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-EF01U362333	RE3 antenna, 5L band, 480-524MHz
ESP-EF01U362334	RE3 antenna, 5H band, 560-596MHz
ESP-EF01U362335	RE3 antenna, 6M band, 653-663MHz
ESP-EF01U362336	RE3 antenna, 8M band, 823-865MHz
ESP-EF01U362337	RE3 antenna, T band, 803-806MHz
ESP-EF01U362338	RE3 receiver power supply with AC clips

### Compatible products

Order number	Description
RE3-HHT76-5L	Handheld transmitter with ND76 head, 488-524MHz
RE3-HHT86-5L	Handheld transmitter with ND86 head, 488-524MHz
RE3-HHT96-5L	Handheld transmitter with ND96 head, 488-524MHz
RE3-HHT420-5L	Handheld transmitter with RE420 head, 488-524MHz
RE3-HHT520-5L	Handheld transmitter with RE520 head, 488-524MHz
RE3-BPT-5L	Bodypack transmitter 488-524MHz
RE3-BPT-5H	Bodypack transmitter 560-596MHz
RE3-BPT-6M	Bodypack transmitter 653-663MHz
RE3-BPT-8M	Bodypack transmitter 823-865MHz
RE3-BPT-T	Bodypack transmitter 803-806MHz
RE3-ACC-RMK1	Rack mount kit for single RE3 receiver
RE3-ACC-RMK2	Rack mount kit for two RE3 receivers

### Ordering information

**RE3-RX-5L RE3 half rack space receiver 488-524MHz**  
RE3 wireless diversity receiver, 5L band, 488-524MHz, black  
Order number **RE3-RX-5L**

---

**RE3-RX-5H RE3 half rack space receiver 560-596MHz**  
RE3 wireless diversity receiver, 5H band, 560-596MHz, black  
Order number **RE3-RX-5H**

---

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

---

**RE3-RX-8M RE3 half rack space receiver 823-865MHz**  
RE3 wireless diversity receiver, 8M band, 823-865MHz, black  
Order number **RE3-RX-8M**

---

**RE3-RX-T RE3 half rack space receiver 803-806MHz**  
RE3 wireless diversity receiver, T band, 803-806MHz, black  
Order number **RE3-RX-T**

---

#### Accessories

**RE3-ACC-BC2 Two slot battery charger**  
Two slot battery charger for RE3-BPT and RE3-HHT transmitters, black  
Order number **RE3-ACC-BC2**

---

## 4 | RE3-RX RE3 Diversity Receiver

---

**Represented by:**

**Germany:**  
Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Ring 5  
85630 Grasbrunn  
Germany

Bosch Security Systems, Inc.  
12000 Portland Avenue South  
Burnsville MN 55337  
USA

[www.electrovoice.com](http://www.electrovoice.com)