RE3-ACC-RFAMP Active RF antenna booster, 470-960MHz

- 10dB RF booster amp module

- Powered by RE3-RX or AASP 12v DC booster feed power

- Mounts on supplied installation flange or on microphone stand

- Passes booster feed thru for cascading up to two modules

- Effectively remote-mounts stock ½ wave receiver antenna

RFAMP is a 10dB RF amplifier module designed to function as an at-antenna RF amplifier to compensate for signal loss prior to a coax run, as well as an effective means of remote mounting the RE3-RX stock ½ wave receiver antenna when desired. RFAMP requires 12v DC booster power which is supplied at the antenna jacks of either the RE3-RX receiver, or the AASP active antenna splitter.

i **Notice!**
The connected power source must have its booster feed set to on.

RFAMP can be mounted either to the supplied flange mount for installation deployments, or simply attached to a standard 5/8" x 27 threaded microphone stand. RFAMP passes the 12v DC booster thru, so two modules can be used inline, or one RFAMP can be combined with the ALPA active log periodic antenna.

Technical specifications

Carrier frequency:	470 - 960 MHz
RF connectors:	BNC

Antenna gain:	1.8dBi
Booster gain:	10dB (±2dB)
Coverage angle:	360 degrees
Operating voltage:	+8 to +12v DC
Usage:	Indoor or outdoor (not waterproof)
Dimensions (length):	3.03" (77mm)
Dimensions (height):	2.07" (52.5mm)
Dimensions (depth):	0.7" (18mm)
Finish:	Polyurethane paint, black
Net weight:	6.95 oz. (197 g)
Gross weight:	9.17 oz. (260 g)

Dimensions:
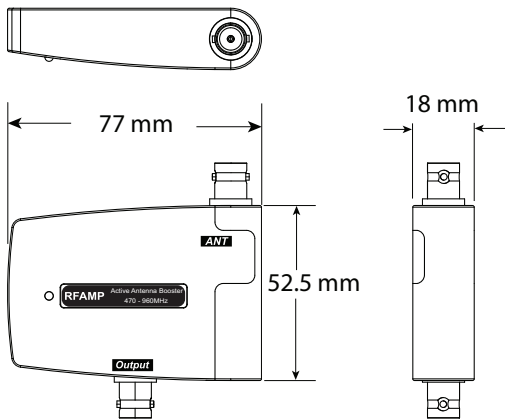
Licensing and certification declarations:

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:
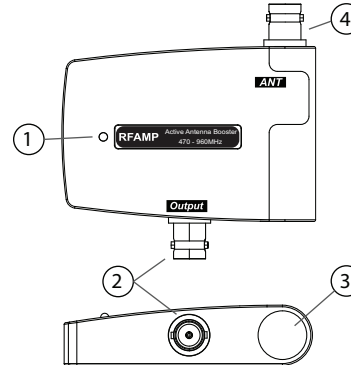www.electrovoice.com

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.

Installation/configuration notes

Product identification:

1. Power indicator LED. The LED is red when the booster feed is on.

2. RF output BNC jack sending antenna signal to receiver. This must be connected to receiver or splitter antenna input. This jack also receives the 12v DC booster feed from receiver or splitter.

3. 5/8" x 27 threaded socket. Accepts threaded stud of the supplied flange mount, or a standard 5/8" x 27 thread microphone stand. See Mounting the RF amplifier module

4. RF input BNC jack. The antenna connects here. This can be either stock RE3-RX ½ wave whip antenna, or 50 ohm coax cable leading to ALPA or PLPA log periodic antennas.

Mounting the RF amplifier module
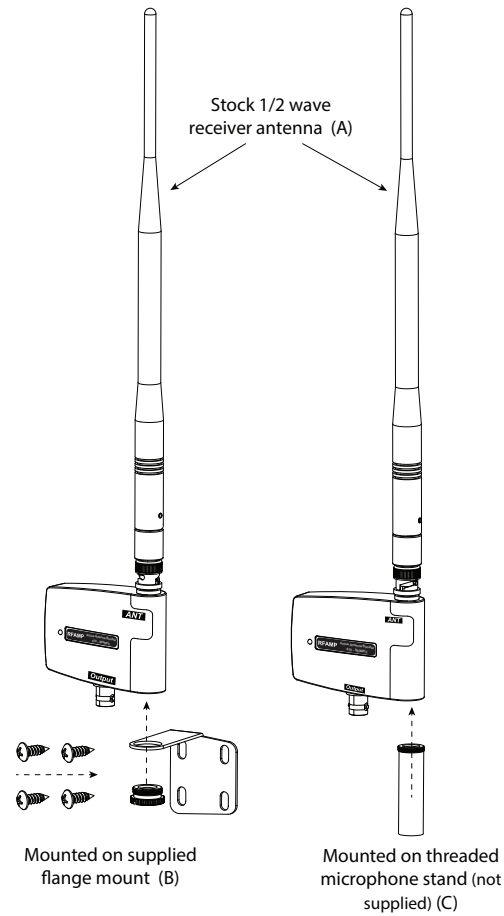
Stock 1/2 wave
receiver antenna (A)

Mounted on supplied
flange mount (B)

Mounted on threaded
microphone stand (not
supplied) (C)

A Stock ½ wave receiver antenna

B Mounted on supplied flange mount

C Mounted on threaded microphone stand (not supplied)

Compatible products

Order number	Description
RE3-ACC-RMK1	Rack mount kit for single RE3 receiver
RE3-ACC-RMK2	Rack mount kit for two RE3 receivers

Order number	Description
RE3-ACC-CXUF	Rear to front mount antenna cable kit
RE3-ACC-PLPA	Passive log periodic antenna, 470-960MHz
RE3-ACC-ALPA	Active log periodic antenna, 470-960MHz
RE3-ACC-AASP	2-in x 8-out antenna splitter 470-960MHz
RE3-ACC-PASP	1 x 2 passive antenna splitter kit
RE3-ACC-CXU2	2 foot antenna coax cable (pair)
RE3-ACC-CXU10	10 foot, 50 ohm BNC coax cable (pair)
RE3-ACC-CXU25	25 foot, 50 ohm low loss BNC coax cable
RE3-ACC-CXU50	50 foot, 50 ohm low loss BNC coax cable
RE3-ACC-CXU75	75 foot, 50 ohm low loss BNC coax cable
RE3-ACC-CXU100	100 foot, 50 ohm low loss BNC coax cable

Parts included

Quantity	Component
1	RF amplifier module
1	Flange mount
1	Threaded flange mount stud
4	Mounting screws
1	Engineering datasheet
1	Warranty and product documentation information card

Ordering information

RE3-ACC-RFAMP Active RF antenna booster, 470-960MHz
Active RF antenna booster module with BNC in and out; 470-960MHz, black
Order number **RE3-ACC-RFAMP**