**EV Electro-Voice**

# RE3-ACC-PASP 1 x 2 passive antenna splitter kit

- Splits two antenna signals into two diversity receivers

- Passes 12 volt booster feed to active antennas or boosters

- Low insertion loss

- Ideal companion kit to the RMK2 dual rack mount kit

- Also functions as a 2-in x 1-out combiner for sending two transmitter signals to one antenna

The PASP is a passive antenna splitter kit containing necessary items when splitting and sharing two incoming antenna signals between the diversity antenna jacks of two receivers. An ideal companion kit to the RMK2 dual rack kit, the PASP takes the signals collected by the front-mounted antennas on the RMK2's CXU2 jacks, and distributes them to the diversity antenna input jacks on two receivers. Will adapt any other sources of incoming cable-bound RF signals via BNC from remote antennas.

**i** **Notice!**

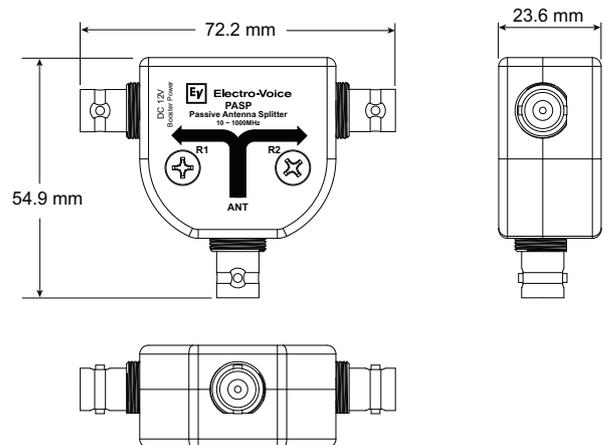Requires incoming signals attached via antenna cable (not supplied).

## Technical specifications

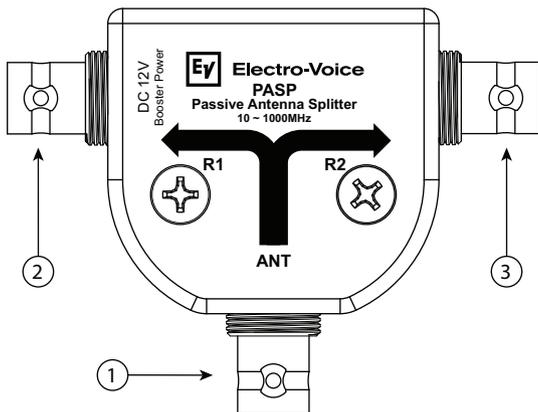| | |
|---|---|
| RF carrier frequency range: | 10 - 1,000 MHz |
| Impedance: | 50 Ω |
| Isolation: | 20 dB |
| Insertion loss: | 2 dB |
| VSWR: | 1:2 |
| Color: | Black |

| | |
|---|---|
| Net weight: | 10.4 oz. (295 g) |
| Gross weight: | 12.7 oz. (360 g) |

**Dimensions:**

# Installation/configuration notes



1. BNC jack labeled #1 is where the incoming antenna signal is connected.
   *The cable connected here should be either a CXUF (as part of either RMK1 or RMK2 rack kits), or another BNC-terminated 50 ohm RF cable carrying incoming RF signal from an antenna.*
2. BNC jack labeled #2 (R1 if referencing the marking on the PASP module) will connect to receiver 1 via one of the supplied cables.
   *This jack will pass DC booster feed thru jack #1 on to an active booster, and if powering an active booster (RF amplifier such as RFAMP) that receiver's antenna power must be set to on.*
3. BNC jack labeled #3 (R2 if referencing the marking on the PASP module) will connect to receiver 2 via one of the supplied cables.

These items are repeated on the second PASP module. Good practice will be to feed antenna A input on each receiver from one PASP splitter module, and antenna B input on each receiver from the other PASP splitter module. See the Patch diagram.
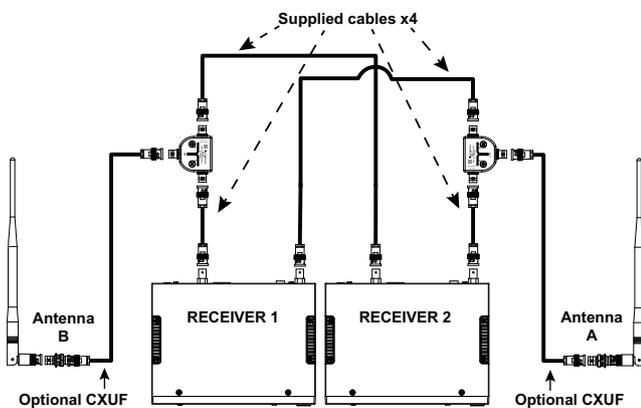


*Patch diagram*

The patch diagram shows the typical patching of signals when front-mounting ½ wave antennas via CXUF cables found in the RMK2 dual rack kit. The four cables supplied with the PASP are used to connect the outputs of the splitters to the four receiver antenna input jacks. Notice that one antenna feeds RF signal to antenna A jacks on each receiver, and the other antenna feeds RF signal to antenna B jacks on each receiver.

**Replacement parts**

| Order number | Description |
|---|---|
| ESP-EF01U362353 | PASP splitter module (1pc) |

**Compatible products**

| Order number | Description |
|---|---|
| RE3-ACC-CXUF | Rear to front mount antenna cable kit |
| RE3-ACC-RFAMP | Active RF antenna booster; 470-960MHz |
| RE3-ACC-RMK1 | Rack mount kit for single RE3 receiver |
| RE3-ACC-RMK2 | Rack mount kit for two RE3 receivers |
| 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 |
|---|---|
| 2 | PASP modules |
| 4 | 2-foot 50 ohm antenna cables with BNC connectors |
| 1 | Engineering datasheet |
| 1 | Warranty and product documentation information card |

# Ordering information

**RE3-ACC-PASP 1 x 2 passive antenna splitter kit**
1 x 2 passive antenna splitter kit with two splitter modules and four antenna cables, black
Order number **RE3-ACC-PASP**