



## PSC RF Multi SMA



The PSC RF Multi SMA contains two, separate, active 1 x 8 RF splitters for use with up to eight diversity receivers. This compact, rugged device was developed using the latest super low noise RF amplifiers and will operate over an extended frequency range of 470Mhz to 870Mhz. Its two inputs are traditional BNC connectors for ease of use in interfacing with your external antennas. Each of the SMA outputs offers a typical isolation factor of 24 to 28dB between radio receivers. The PSC RF Multi SMA also has the ability to power external powered antennas or remote line amplifiers. There are two top panel mounted switches on the unit. One is marked "POWER" and this controls the overall power to the unit. The second switch is marked "ANTENNA" and this switch controls the power being sent to an external powered antenna or remote line amplifier. Both switches light up when in use. The entire unit is powered from any source of external DC power of 10 to 15Vdc @ approximately 90 mA.

## **USE:**

- 1. Connect a source of external 12Vdc power to the Hirose 4 pin connector on the bottom of the unit.**
- 2. Connect your two receive antennas to the RF input BNC connectors on the top of the unit. When using powered antennas or remote line amplifiers, turn on the “Antenna” power switch. For all other uses, leave this switch turned off.**
- 3. Connect the PSC RF Multi SMA to your receivers using the appropriate cables from the SMA connectors on the RF Multi SMA to the RF antenna connectors on your receivers.**
- 4. Power up the unit. Note that the power switch lights up green when the unit is turned on.**

**\*NOTE\*** When used with ENG “bag” mixing setups, we recommend that you remotely mount your receive antennas up away from your equipment on your bag’s shoulder straps.

## **SPECIFICATIONS:**

<b>Size:</b>	<b>4.275” x 1.385” x 1.625” (108mm x 35mm x 41mm)</b>
<b>Weight:</b>	<b>6.5oz (185gm)</b>
<b>Power:</b>	<b>External DC, 10-15Vdc @ 70mA</b>
<b>Input Impedance:</b>	<b>50 Ohms</b>
<b>Output Impedance:</b>	<b>50 Ohms</b>
<b>Maximum Input Signal:</b>	<b>+13dB</b>
<b>Noise Figure:</b>	<b>0.8dB</b>
<b>Chassis Material:</b>	<b>Aircraft Aluminum</b>
<b>Finish:</b>	<b>Black Epoxy Power Coat</b>
<b>Warranty:</b>	<b>1 Year, limited</b>

## DECLARATION OF CONFORMITY

**EMC:** This product is in compliance with the Electromagnetic Compatibility Directive, 89/336/EEC as defined in EN 50081-1, EN55022 and EN 50082-1. IEC801-2, IEC801-3 and IEC801-4.

**LVD:** This product is in compliance with the requirements of the Low Voltage Directive, 73/23/EEC. 93/68/EEC as defined in EN60065, 1993 and/or EN60950/A1/A2/A3: 1995

**TRADE NAME:** PSC

**MODEL:** RF Multi SMA

**RESPONSIBLE PARTY:** Professional Sound Corp.  
28085 Smyth Drive

Valencia, CA 91355 USA

**CONTACT PERSON:** Ronald Meyer  
(661) 295-9395

**TYPE OF PRODUCT:** Antenna Distribution

**MANUFACTURER:** Professional Sound Corp.

28085 Smyth Drive

Valencia, CA 91355 USA

We hereby declare that the equipment bearing the trade name and model number listed above has been tested in accordance with the requirements contained in the above listed directives. All necessary steps have been taken and are in force to assure that production units manufactured will conform to Directive guidelines.

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