



PSC RF Multi SR Six Pack



The PSC RF Multi SR Six Pack contains two separate, active 1 x 4 RF splitters for use with up to three slot style 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 700Mhz.

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 SR Six Pack also has the ability to power external powered antennas or remote line amplifiers. There are two front panel mounted switches on the unit. One is marked "MAIN POWER" and this controls the overall power to the unit. The second switch is marked "ANT PWR" 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 12Vdc @ approximately 170 to 210mA. On the left side of the unit there are six TA3M mini XLR output connectors. These provide audio output from the three slot receivers. In addition, there are two chassis

mounted SMA connectors on the left side panel of the unit. These offer two additional RF outputs that can be used to feed another PSC RF Multi SR Six Pack or PSC RF Multi SMA or other similar device.

The PSC RF Multi Six Pack is equipped with two mounting holes for use in mounting the Six Pack to Sound Devices 664 and 688. These two screw holes line up with the factory screws on the Sound Devices units. This allows you to mechanically secure the Six Pack to your Sound Devices 664 or 688. See photo below.





Left Side Panel showing:

4 Pin Hirose Power Connection

6 x TA3M Audio Output Connections

2 x SMA RF Outputs (loop throughs)

USE:

- 1. Install your slot style receivers into the openings on the front of the PSC RF Multi SR Six Pack noting the correct direction of the DB-25 connectors. Gently slide the receivers into the slots until you feel the DB-25 connectors line up. Once you feel the connectors line up, firmly press the slot receiver fully into place.**
- 2. Connect your audio output cables from the six TA3M audio outputs to your mixer or recorder's inputs.**
- 3. Connect a source of external 12Vdc power to the Hirose 4 pin connector on the left side panel of the unit.**
- 4. Connect your two receiver antennas to the RF input BNC connectors on the front panel 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.**

5. Connect the PSC RF Multi SR Six Pack cable mounted SMA connectors to your slot receivers using a “criss cross” or X pattern. See photo below:



6. Power up the unit. Note that the power switch lights up blue when the unit is turned on.

NOTES

1. 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. This will help eliminate picking up of RF spray from digital recorders.
2. Different brands of wireless receivers require their own specific brand made adapters to work with our Six Pack. These are the same adapters required to install the slot receivers in an Ikgami or Panasonic camera. For example:

Lectrosonics SRB requires their “SRUN!” kit.

Wisyscom MCR42 requires their “SCK42-IK-PSC kit.

Audio Limited CX2-P (DB-25 pin model....Ikgami & Panasonic) need no adapters.

SPECIFICATIONS:

Size:	13.25 " x 5.75" x 1.6" (30.5cm x 14cm x 4cm)
Weight:	2.2 Lbs (1 kg)
Power:	External DC, 18Vdc @ 170 to 210mA
Input Impedance:	50 Ohms
Input Connector:	BNC
Output Impedance:	50 Ohms
Output Connector:	SMA
Maximum Input Signal:	+13dB
Noise Figure:	0.8dB
Chassis Material:	Aircraft Aluminum
Finish:	Black Epoxy Wrinkle Texture Powder Coat
Warranty:	1 Year, limited

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 SR Six Pack

RESPONSIBLE PARTY: Professional Sound Corp.
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TYPE OF PRODUCT: Antenna Distribution

MANUFACTURER: Professional Sound Corp.
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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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