

# Product Specifications

## P411 Antenna Combiner

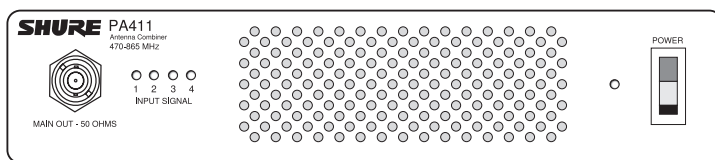
### Overview

The Shure PA411 Antenna Combiner distributes DC power and RF signal for up to four Shure PSM@300 transmitters. The compact half-rack system significantly reduces the amount of antennas and power supplies needed when using multiple systems.

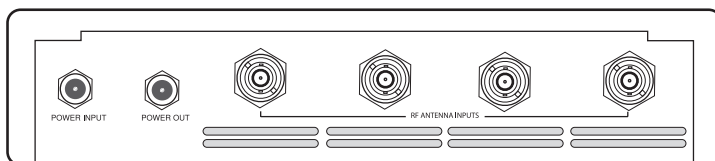
- Wideband 470 to 865 MHz frequency range
- Main RF output connects to standard ¼ wave PSM antenna
- RF LED Indicators display signal present, signal overload per input
- Power output distributes DC power to PSM transmitters (accessory power cable required)
- Front panel power switch

### Product Specifications

Power Requirements	15 VDC
DC Output	12 VDC (x4)
Output Current	1.4 A, maximum
<i>Combined total from all DC outputs</i>	
Operating Temperature Range	-18 °C to 63 °C
Dimensions	42 × 177 × 198 mm H × W × D
Net Weight	1.62 kg (3.6 lbs)
<b>RF Input</b>	
Connector Type	BNC
RF Frequency Range	470 to 865 MHz
Maximum Input Level	20 dBm Per Channel
Input Port Isolation	50 dB, typical
RF Input Power Operating Range	4.5 to 15 dBm
<i>Per Channel</i>	
LED Indicator Minimum Detection Threshold	3 dBm ± 1 dB
RF Overload LED Threshold	17.5 dBm ± 1 dB
Impedance	50 Ω
<b>RF Output</b>	
RF Frequency Range	470 to 865 MHz
Output Intercept Point (OIP3)	48 dBm, typical
Connector Type	BNC
Impedance	50 Ω
Reverse Isolation	40 dB, typical
<i>Output to Input</i>	
Gain	-5 to 0 dB
<i>Input to any Output Port</i>	



PA411 Front Panel



PA411 Back Panel

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