

The Best Just Got Better



PSM 700 Wireless System

PSM[®] 700 Personal Monitor System

More compatible systems and improved audio quality!

Two new frequency bands are now available for the PSM 700 Wireless Personal Monitor series. The addition of these frequencies will allow for the operation of more simultaneous systems than ever before, depending on your location. In addition, the PSM 700 internal circuitry has been updated with Shure's patented Audio Reference Companding for improved sonic performance.

Features of the PSM 700 Personal Monitor System include:

- *Two new bands for increased agility—64 new frequencies.*
- *Patented Audio Reference Companding for improved dynamic range and superior sound reproduction.*
- *Improved frequency-select switch—more rugged and easier to read from a distance.*
- *Frequency locator feature quickly identifies available channels.*
- *Integrated dynamic overload protection reduces RF distortion.*
- *Built-in (defeatable) audio limiter.*
- *Roadworthy, durable metal construction.*

SPECIFICATIONS

RF Frequency Ranges 524-554MHz / 632-662MHz

Audio Frequency Response 50 - 15 kHz

Operating Range 91m (300ft)
(environment dependent)

Total Harmonic Distortion (1 kHz) 0.8% typical

Signal To Noise Ratio 80 dB typical

Channel Separation 35 dB typical

Input AC Line Voltage (P7T) 100-240 Vac, 50/60 Hz

RF Output Power (P7T) 20mW-100 mW
(country dependent)

Modulation Limiter (P7T) Internal peak limiter
(>10:1 compression)

Maximum Input Level (P7T) +25 dBu
(clipping level)

Input Connectors (P7T) Neutrik XLR - ¼" combo

Battery Life (P7R) 4-6 hours (volume dependent)

SHURE[®]

All To One. One To All.



Front Panel



Back Panel

PA821 PSM® Active Antenna Combiner

The PA821 is an 8-input, 1-output active antenna combiner compatible with Shure PSM 600 and PSM 700 wireless systems. The PA821 is designed to greatly improve RF performance by reducing intermodulation distortion. It reduces dropouts caused by multi-path interference by combining up to

eight wireless transmitters to a single antenna - while keeping stage clutter to a minimum. The PA821 also utilizes a front-panel expansion port for connecting additional transmitters and/or antenna combiners.

Features of the PA821 Combiner include:

- Wideband UHF operation (470 MHz - 870 MHz)
- Active circuitry maintains a clean signal with minimal distortion
- Increased range when used with PA805WB directional antenna
- Front-mounted expansion port for daisy-chaining multiple combiners
- Auto-sensing universal power supply (AC cables included for worldwide use)
- Single rack space design



PA805WB directional antenna

SPECIFICATIONS		IMD at +10 dBm Input Power	-80 dBc typical
RF Frequency Range	470 to 870 MHz	Input AC Line Voltage	100-240 Vac, 50/60 Hz
System Gain @ 670 MHz	-1 dB (+/- 1 dB)	Maximum RF Input Power	+24 dBm (250 mW max.)
Impedance	50 Ohms nominal	Overall Dimensions	1.71" H X 15.8" W X 13.1" D (Front Panel is 19" W to rackmount)
Input Port VSWR	1.3:1 typical	Net Weight	10 lbs (unpackaged without cables)
Output Port VSWR	2:1 typical		
Port to Port Isolation	60 dB typical		



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