The Shure PSM600 Personal Stereo Monitor System is a UHF wireless, two-channel stereo, monitor system designed for on-stage applications. The PSM has several advantages over on-stage loudspeaker monitors: it is less visible, has better sound, allows freedom of movement, and reduces the chances of feedback. It is a versatile system, designed for use in many different sound reinforcement applications: public address, live music, theater, and electronic news gathering (ENG).

The wireless system is frequency compatible with other Shure UHF and VHF wireless systems.

**FEATURES**

- Wireless and Hardwired versions available
- Stereo or MixMode™ control for custom monitor mixes.
- Eight LED input level meter
- Up to 10 compatible wireless frequencies for 10 separate mixes.
- Frequency compatible with all Shure Wireless systems (country dependent).
- +4 dBu/-10 dBV input level select switch on P6T.
- Combined 1/4-in./XLR connectors on P6T for balanced or unbalanced connections.
- Loop out connectors on P6T wireless transmitter for multiple mix setups and easy installation.

**SPECIFICATIONS**

**WIRELESS SYSTEM**

- **RF Carrier Frequency Range**: 626 to 862 MHz (country dependent)
- **Audio Frequency Response**: 50 to 15k Hz (+0, -3 dB re 1KHz); earpiece dependent
- **Operating Range**: 300 ft. (environment dependent)
- **Modulation**: FM ±35 kHz Deviation (Nominal), MPX Stereo
- **Channel Separation**: 35 dB typical
- **Total Harmonic Distortion**: 0.8% typical (Ref. ±35 KHz deviation)

**Signal-to-Noise Ratio**: 80 dB typical (A-weighted)

**Operating Temperature**: +0° C to +50° C (32° F to 122° F)

**Polarity**

- P6T audio inputs to P6R audio outputs: Non-inverting
- XLR: pin 2 positive with respect to pin 3
- 1/4-in. TRS: Tip positive with respect to ring

**Certification**

- P6T: Type Accepted under FCC Parts 74. Certified by IC in Canada under RS 123. UL and cUL Listed to UL 813 and CSA C22.2 No. 1.
- P6R: Approved under the Notification provision of FCC Part 15; Certified by IC in Canada under RS 123.
P6T WIRELESS TRANSMITTER

RF Output Power
100 mW (+20 dBm) typical conducted (country dependent)

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

Antenna
External whip, 50 Ω BNC connector

Power Requirements
P6T: 108 to 132 VAC, 50/60 Hz
P6TE: 216 to 264 VAC, 50/60 Hz

Current
115 mA maximum at 120 VAC
55 mA maximum at 240 VAC

Fuse
P6T: 120 VAC, 160 mA/250 V time delay
P6TE: 240 VAC, 80 mA/250 V time delay

Dimensions
44.5 mm X 197.4 mm X 238.1 mm (1 3/4 in. X 7 3/4 in. X 9 1/2 in.)

Net Weight
3.30 Kg (3 lbs., 4.8 oz.)

P6R WIRELESS RECEIVER

RF Sensitivity
1.2 uV typical

Image Rejection
70 dB typical

Spurious Rejection
60 dB typical

Squelch Threshold
4 μV typical

Antenna Input Impedance
50 Ω typical

Antenna
External, threaded connector

Power Requirements
9 V battery

Battery Life
4-6 hours, volume dependent

NOTE: When using the receiver in very cold temperatures (below 35° F), take precautions to keep the unit as warm as possible. Battery life may decrease at lower temperatures.

Audio Output Connector
3.5 mm Stereo (Left = tip, Right = ring, Ground = sleeve)

Minimum Load Impedance
16 Ω

Net Weight
0.52 lbs.

Overall Dimensions
27.18 mm X 64.52 mm X 85.09 mm
(1.07 in. X 2.540 in. X 3.350 in.)

E3 EARPIECES

Transducer Type
Balanced Armature

Sensitivity*
115 dB SPL/mW

Impedance*
26 Ω

Connector
Gold-plated, stereo, 3.5 mm (1/8-in.) plug

Cable Length
1.57 m (62 in.)

PA760 WIRELESS ANTENNA COMBINER

UHF Carrier Frequency Range
620 to 662 MHz

System Gain
3 dB ± 1.5 dB from antenna input (Output ports 1-4)

Input/Output Port VSWR
Less than 1.6:1

Input Port Isolation
Greater than 25 dB

Intermodulation Distortion
-55 dBc

Third Order Intercept Point (3 OIP)
Greater than 25 dBm

Input/Output AC Line Voltage
85 to 120 VAC US
230 VAC Germany, U.K.

Impedance (all BNC jacks)
50 Ω

Operating Temperature Range
-15 to +50° C

Overall Dimensions
44.5 mm high x 197.4 mm wide x 238.1 mm deep (1.75 in. x 7.770 in. x 9.4 in.)

Net Weight
1.34 Kg (2 lbs, 15.4 oz)

Input/Output Connector Type
BNC-type, 50 Ω, (4 input, 1 output)

Certification
Type Accepted under FCC Parts 74. Certified by IC in Canada under RS 123. UL and cUL Listed to UL 813 and CSA C22.2 No. 1.

PA705 REMOTE ANTENNA

RF Frequency Range
620-870 MHz

Antenna Gain
>7dB

3dB Beam Width: 90 degrees (+/- 45 degrees)

Reception Pattern
Directional; Cardioid

Connector
50 Ω, Female, BNC-type

Dimensions
10.6 in. (269.24 mm) H X 10.64 in. (270.18 mm) W X 1.0 in. (25.4 mm) D

Swivel Adapter
Positive-action, break resistant, adjustable from 0 to 90 degrees, with standard 5/8 in. -27 thread