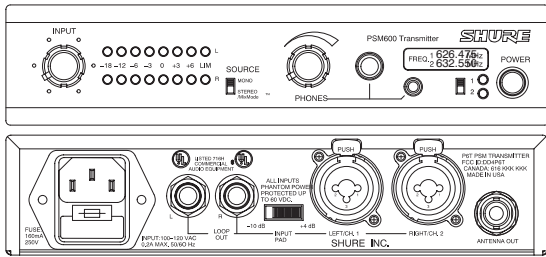
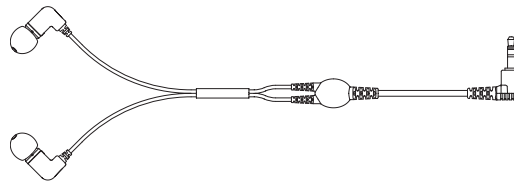


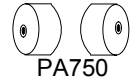
### PSM600 WIRELESS IN-EAR MONITOR SYSTEM



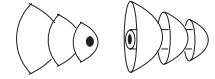
P6T TRANSMITTER



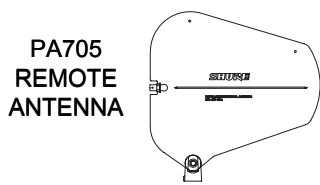
E3 EARPHONES



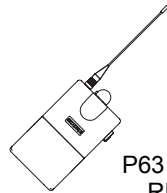
PA750



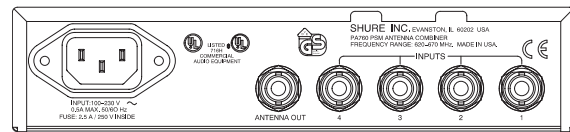
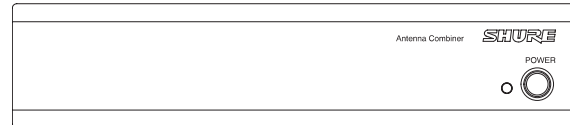
PA755



PA705  
REMOTE  
ANTENNA



P63 WIRELESS  
RECEIVER



PA760 ANTENNA COMBINER

### SYSTEM FEATURES

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.

# PSM600 WIRELESS IN-EAR MONITOR SYSTEM SPECIFICATION SHEET

## 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  $\Omega$  BNC connector

### Power Requirements

P6T: 108 to 132 VAC, 50/60 Hz

P6TE: 216 to 264 VAC, 50/60 Hz

### Current

115 mAAC maximum at 120 VAC

55 mAAC 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 <sup>3</sup>/<sub>4</sub> in. X 7 <sup>3</sup>/<sub>4</sub> in. X 9 <sup>1</sup>/<sub>2</sub> in.)

### Net Weight

3.30 Kg (3 lbs., 4.8 oz.)

## P6R WIRELESS RECEIVER

### RF Sensitivity

1.2  $\mu$ V typical

### Image Rejection

70 dB typical

### Spurious Rejection

60 dB typical

### Squelch Threshold

4  $\mu$ V typical

### Antenna Input Impedance

50  $\Omega$  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  $\Omega$

### Net Weight

0.52 lbs.

### Overall Dimensions

27.18 mm X 64.52 mm X 85.09 mm  
(1.070 in. X 2.540 in. X 3.350 in.)

## E3 EARPIECES

### Transducer Type

Balanced Armature

### Sensitivity\*

115 dB SPL/mW

### Impedance\*

26  $\Omega$

### 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  $\pm$  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  $\Omega$

### 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  $\Omega$ , (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  $\Omega$ , 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