

SHURE[®]

PSM[®] 600/700 WIRELESS PERSONAL MONITORS



PSM

WIRELESS SYSTEMS



Peak Performance At An Affordable Price.

Since their introduction, Shure PSM systems have become known as the best personal monitors available for sound quality, flexibility and affordability. What's more, Shure PSM systems are simple to use, conserve space on stage, and are easy to transport.

Touring Quality Sound, Right In Your Ear.

PSM systems deliver a full frequency range and great stereo separation. An impressive signal-to-noise ratio minimizes ear fatigue while increasing fidelity. Result: you can concentrate better on your performance because you can hear your mix more clearly at lower volumes. Your audience will hear a better performance, too, because no wedges means no feedback and a cleaner mix for the room.

The Secret To The Sound.

No other monitor system sounds like the PSM system because none has Shure's exclusive MixMode® technology. MixMode technology allows unprecedented personal control at the receiver over the mix you hear in your ears, providing the ultimate in system flexibility. MixMode is one of the system's three operational modes (along with stereo and mono). By using the PSM system's stereo matrixing capability in a two-channel mono configuration, MixMode provides an impressive array of options. For example:

- If channel A sends the band's mono monitor mix and channel B sends the user's instrument (or voice), a simple adjustment of the side knob balance control allows the user to adjust the level of his or her own voice or instrument relative to the band's mono monitor mix.
- If channel A is used for lead instruments and B for the rhythm section, users can adjust the receiver to hear the "lead-to-rhythm" balance they prefer.
- If channel A is monitor mix and B is crowd noise, the user can turn the crowd up or down as desired, to really feel connected to the audience.
- If channel A is monitor mix and B is click track, musicians who want to hear more of the click can do so at their individual levels.

MixMode gives users a world of new possibilities, limited only by their personal performance needs and imagination.

Easy On The Ears.

PSM earphones provide numerous advantages over typical earbuds. The natural design allows the earphone to fit comfortably in the ear canal while a tight seal provides isolation and a snug fit that holds the earphone in place.



E5 Dual-Driver Earphones



E3 Earphones

The Shure E5 is the first universal dual-driver earphone on the market. These unique yet universal-fitting earphones feature Shure's own Low Mass/High Energy™ drivers for an extended frequency response resulting in truly incredible sound. The new E3 universal fit earphone features a single low-mass/high energy driver housed in an attractive low-profile enclosure.

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PSM earphone systems include six pairs of foam ear tips per earphone. If you prefer, Shure offers other options (see back of brochure). Custom Sleeves for both the E3 and E5 earphones are available.

The PSM® 600 — The Ultimate In Economies Of Scale.

The PSM 600 features crystal-controlled analog operation. Ten personal stereo mixes* can be created using as many PSM 600 wireless transmitters. Or, by using only one PSM wireless transmitter along with several PSM 600 wireless receivers, bands using a single monitor mix can have a full professional monitor system for a fraction of the usual cost.



PSM600 Wireless System



PSM600 Wired System

For musicians who maintain a single position throughout the performance, PSM 600 wired bodypacks are the perfect choice, allowing a direct patch from the sound board to your ears.

*country dependent



The PSM® 700 — Frequency Agile For More Stereo Mixes.

If you need more than 10 personal mixes but don't want to compromise wireless mobility, the Shure PSM 700 is the answer. The PSM 700 is synthesized, giving you greater frequency agility; this allows you to create 16 personal stereo mixes simultaneously. Meanwhile, its sound quality surpasses all other personal monitors on the market.

Other upgrades in the PSM 700 include:

- Frequency Locator – Significantly reduces set-up time by allowing the monitor engineer to locate the most optimal PSM 700 frequencies using only the receiver as a tool.
- Dynamic Overload Control – Automatically protects the system from distortion that can occur when the performer gets too close to the transmitter, causing an unexpected RF power overload in the receiver.
- Linkable Antenna Combiners – Any antenna combiners used with the PSM 700 can be linked together to minimize the number of antennas used during the performance.

Playing to Rave Reviews.

Shure PSM systems are earning overnight popularity with the sound engineers and artists who use them.

Here's what a few users are saying...

At Home In Any Application.

Although the PSM system's primary users are likely to be musicians who play live, it offers the same advantages of performance and price to anyone in search of an impressive alternative to traditional monitor speakers, including:

- Churches. Typically a very reverberant setting where feedback can be a huge problem.
- Recording Studios. Where comfort and fidelity are mandatory and even the slightest feedback can exact a high toll.

Like To Hear More?

If you're interested in getting the best personal stereo monitor available at the best price in the business, call 1-800-25-SHURE. And visit our web site at www.shure.com.

Leann Rimes

"I could sing night after night and not hurt my voice."

Gary Allan, MCA -Nashville Recording Artist

"In my world of small stage honky tonks, short sound check situations, and arenas where the sound bounces off the back wall and invades the groove, my Shure PSM700 in-ear monitors give me the control to hear what I want to hear."

Bob Pridden, Sound Designer for The Who

"The clarity is fantastic and the signal-to-noise ratio is amazing. I also find that the limiter that is incorporated into the system is excellent. Lately, I have been using it in the studio for drummers and find it very useful. Thus proving that, as always, Shure products are great in the studio and on the road."

Maxie Williams, Monitor Engineer for Marilyn Manson and Stone Temple Pilots

"The PSM700 provided excellent performance through 4 years of use with Marilyn Manson and Stone Temple Pilots under extreme conditions. There were no problems."

Ian Anderson

"I am bowled over and fully converted to this exciting, well thought out product. My floor-wedge monitors spent the rest of the tour in the back of the truck. It is such a relief to finally hear all the nuances and detail of my efforts, particularly in the case of the flute. Now after 29 years of playing it, I can finally hear every note! Well done. Shure has come up with another winner."

WIRED SYSTEM

Includes P6HW Bodypack Receiver, PA720 3.6 m (12 ft.) Input Cable, and E3 Earphones.

Wired Bodypack

Frequency Response	20 Hz - 20 kHz
Total Harmonic Distortion	0.18% typical
Signal-to-Noise Ratio	85 dB minimum
Power Requirements	9V alkaline battery
Battery Life	10-12 hours (volume dependent)
Dimensions	111 mm (4.4 in.) by 64.5 mm (2.5 in.) by 31.9 mm (1.2 in.)
Weight	190 g (6.7 oz.)
Maximum Input Level	+2 dBu peak LED threshold, +7 dBu clipping
Output Level	+4 dBu 1% THD, $R_L = 18\Omega$
Minimum Load Impedance	16 Ω
DIP Switches	15 dB Input Pad; Stereo/MixMode; High Frequency Boost, Limiter

WIRELESS SYSTEMS

Includes P7T/P6T Transmitters, P7R/P6R Bodypack Receivers, E3/E5 Earphones.

RF Frequency Range

PSM 600	626 - 662 MHz, 800 - 830 MHz, 854 - 862 MHz
PSM 700	524 - 865 MHz (country dependent)

Frequency Selection

PSM 600	2 fixed per system; up to 10 compatible (country dependent)
PSM 700	32 per system; 2 groups of 16 compatible (country dependent)
Audio Frequency Response	50 - 15 kHz
Transmission Range	91 m (300 ft.), environment dependent
Total Harmonic Distortion	0.8% typical
Signal to Noise Ratio	80 dB typical
Channel Separation	35 dB typical

Transmitters

RF Output Power	100 mW(dBm), 20 mW(dBm), 100 mW (dBm) (country dependent)
Modulation Limiter	Internal peak limiter (>10:1 compression)
Power Requirements	108 - 132 VAC, 50/60 Hz 216 - 264 VAC, 50/60 Hz (E-version)
Maximum Input Level	+25 dBu (clipping level)
Input Connectors	Neutrik XLR - 1/4 in. combo connectors
Loop-out Connectors	1/4 in.
Earphone Monitor Connectors	1/4 in. and 3.5 mm

Bodypack Receiver

Power Requirements	9 VDC battery
Battery Life	4 - 6 hours (volume dependent)
Output Level	+4 dBu 1% THD, $R_L = 18\Omega$
Dimensions	111 mm (4.4 in.) by 64.5 mm (2.5 in.) by 31.9 mm (1.2 in.)
Weight	209.8 g (7.4 oz.)
DIP Switches	Frequency Selection; Stereo/MixMode; High Frequency Boost, Limiter

Earphones with Low Mass/High Energy™ Drivers

E3 Single-Driver

Sensitivity	115 dB SPL/mW
Impedance	26 Ω

E5 Dual-Driver

Sensitivity	122 dB SPL/mW
Impedance	110 Ω

Antenna Combiner:* Permits broadcast of up to eight PSM wireless systems through a single antenna; decreases intermodulation distortion. Universal internal power supply.

PA760 / PA770	620 - 670 MHz / 722 - 745 MHz
PA821	470 - 870 MHz

PA805WB Unidirectional Wideband Antenna: Removable log-periodic design; "aims" transmitter or combiner output directly to the user's performance area, improving the signal gain by 7 dB or more. Includes 3.3 m (10 ft.) coaxial cable.

PA750: Foam Sleeves

PA755: Triple Flange Sleeves

PA756S, M or L: Flex Sleeves (small, medium or large)

PA758S, M or L: Soft Flex Sleeves (small, medium or large)



P6HW Wired Bodypack



P7R/P6R Wireless Bodypack Receivers



P7T/P6T Wireless Transmitters

ACCESSORIES



PA821 Antenna Combiner



PA805WB Unidirectional Antenna

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