



PSM[®] 400 Personal Monitors



Versatile systems for working musicians.



Sound Quality Hear yourself perfectly.

VIODITITY Your mix moves with you onstage.

Control Create your own monitor mix.

Portability Easy to load in and out.

Hear clear for a change

Quality sound.

Shure E3 Low Mass/High Energy™ Earphones help you hear yourself perfectly and perform better. Enjoy high-fidelity stereo sound, great isolation from outside noise and exceptional signal-to-noise ratio.

The PSIVI 400

Expand your range onstage

Go anywhere.

With Shure PSM[®], the sweet spot moves with you. You hear yourself perfectly wherever you go, not just that spot where the monitor mix sounds best. Visit the drummer or the audience. Nothing will interfere with your mix.

Plug in.

The sleek Wireless Bodypack Receiver (or Hardwired Personal Monitor) clips easily to a belt, guitar strap or pocket. So lightweight, you'll forget it's there.





E3 Earphones Low Mass/High Energy™ Earphones. Standard for all PSM® 400 systems.



E5 Earphones Dual-driver, Low Mass/ High Energy™ Earphones. The ultimate step-up for In Ear performance.

When a band goes In Ear, there's no more fighting over onstage monitor volume. Unlike floor wedges, PSM® Personal Monitors send the mix directly to your ears. Get the volume you need without blasting sound all over the stage.

This personalized mix is for your ears only. So you don't have to crank the volume to dangerous levels to hear your voice or your instrument. A switchable limiter setting reduces the potential for ear strain.

The right way to listen. Precision Shure earphones are designed specifically for use with PSM[®] systems. Headphones

and earbuds pale in comparison to professional earphones developed for the In Ear experience. Don't go In Ear without them.

Create your own personal mix





inputs to add the band mix from the house mixer

Split outputs to share mic/line inputs with other band members and/or the house engineer.

P4M Personal Monitor Mixer



Get the same mix at every show without annoying setup hassles. Combine up to six inputs from the stage, the house mixer or both. Even make quick adjustments to your mix levels onstage, without getting the engineer's attention.

No more

nightmare gigs. Remember the night everything went wrong with the sound? A rookie engineer gave an awful mix. The house sound gear couldn't compensate for bad room acoustics. You spent the whole night wondering what you sounded like. It doesn't have to be that way.

Wireless Bodypack Receiver

- LCD display shows mode, limiter and EQ selections, and tracks battery life.
 - Volume control

Balance knob adjusts left/right balance in stereo or MixMode.

One knob on the bodypack conveniently raises or lowers your overall mix volume. Another knob adjusts left/right balance in stereo or sets the relative levels in Shure's proprietary MixMode[®].

MixMode[®] control. Adjust the level of two signals a vocal and band mix for example - at the same time You hear both signals in both earphones, and set the relative levels of each with the balance control on the bodypack.



16 UHF frequencies (8 compatible)

Wired Personal Monitor



Wired solutions too. Hardwired systems give stationary performers as much mobility as they need, plus the convenience of body-mounted controls, personal onstage mixers and a wedge-free stage.

Shure Personal Monitor Systems

PSM [®] 200
Affordable,
full-featured
entry to personal
monitoring.

PSM[®] 400 Versatile systems for working musicians.

PSM[®] 600 Professional wired | wireles systems. PSM[®] 700 Advanced wireless touring gear.

Lose the Weedges

The days of floor wedges are numbered. Professional musicians and performers worldwide are going In Ear with the clear alternative for monitoring their sound: Shure Personal Monitor Systems (PSM[®]).

With the PSM[®] 400, Shure brings affordable personal monitoring control to more performers than ever before. Hear what you want, how you want, wherever you want. It's no contest.

The PSM Advantage

	Sound Quality	Stage Mobility	Personal Control	Lightweight	Clutter-free
PSM [®]	You hear a clearer mix at lower volume levels.	Your mix sounds great and goes where you go.	Create your own mix and adjust it onstage, on the fly.	Never lug another wedge. One case holds the PSM [®] system for a whole band.	You work a wedge-free stage. Audiences see more you and less gear.
Wedges	Loud. Very loud. Vocal strain.	One sweet spot. You're grounded!	Muddy mix. Nasty feedback.	Heavy to load in. Heavy to load out.	Ugly stage clutter. Obscures your're performance.

Getting started.

Choose from three complete systems.







P4MHWE3

PSM[®] 400 Wired Personal Monitor System

- With Onstage Mix Control
- 1 Wired Personal Monitor
- 1 P4M Personal Monitor Mixer
- 1 E3 Earphones

IDEAL FOR

Individual vocalists or musicians who remain in one location onstage but want the clarity of In Ear sound and the convenience of onstage monitor mixing.

Includes everything need for your own personal wired monitor system in one box.

Or build your own system.

PSM[®] 400 Components sold separately







P4HW Wired Personal Monitor

P4M Personal Monitor Mixer



Earphones

Then



E5 Dual-Driver Earphones

System Example

Band Starter System

The least expensive wireless starter system for a 4-piece band sharing one stereo or two mono monitor mixes.





Add

A Personal Monitor Mixer for an individual or the band



the mix) for each band member

Additional transmitters (for stereo

mixes) and mixers (to create/control

Hear and believe. Go In Ear.

Nothing beats a real test drive. Ask for a PSM[®] demonstration at your local music store.

Specifications

specifications	•				
Wireless Personal Monitor System	RF Carrier Frequency Range	722 to 865 MHz (country dependent) 16 per system, up to 8 compatible (country dependent)		Audio Frequency Response 50 to 15 kHz (+0, -3 dB re 1 kHz); earphone dependent Channel Separation	Earphone Connectors 3.5mm stereo (left=tip, right=ring, ground=sleeve)
Morntor System	Frequency Selection				
	Operating Range	300 ft. (enviror	nment dependent)	35 dB typical	
	Signal-to-Noise Ratio	80 dB typical (weighted)	
Wireless Transmitter P4T EP4T	RF Output Power	50 mW (+17 dB (country deper	m) typical conducted ndent)	Modulation Limiter Internal peak limiter (>10:1 compression) Input Impedance >10 kΩ Maximum Input Level P4T: +10 dBV EP4T: +12 dBV	
	Power Requirements	Output: 19 EP4T: PS4OE (In	ut: 120 Vac, 60Hz, 14w; 5 Vde, 600 mA, 9w) put 230 Vac, 50 Hz/60Hz; 5 Vdc, 600 mA, 9w)		
	Input Connectors	1/4" TRS electro	nically balanced	Loop-out Connectors 1/4" TRS electronically balanced	
Wireless Bodypack	Power Requirements	9V Alkaline bat	tery	Output Level	
Receiver	Battery Life	Up to 8 hours,	volume dependent	+4 dBV	
P4R	Net Weight	125 g (.28 lb.)			
	Overall Dimensions	82.6mm X 63.5mm X 26.2mm (HWD) (3 1/4 X 2 1/2 X 1 1/32 in.)			
Wired Personal	Frequency Response	20 to 20,000 k	Hz	Channel Separation 35 dB	Audio Output Connector 3.5mm stereo
Monitor	Signal-to-Noise Ratio	85 dB		Maximum Output Level	(left=tip, right=ring, ground=sleeve)
P4HW	Power Requirements	9V Alkaline battery		+3 dBV	Phantom Power Protection
Þ	Battery Life	Up to 8 hours,	volume dependent	Maximum Input Level	Up to 60 VDC
				+5 dBV, input pad OFF +18 dBV, input pad ON	
				Input Impedance	
				>40 k Ω	
Personal Monitor	Frequency Response	20 Hz to 20 kHz	2 ±2 dB	Gain	Distortion
Mixer	(Ref 1 kHz, controls centered)	Mic/Line Inputs: 5800 Ω Aux. Ins: 18 k Ω (each) 9100 Ω		(Maximum 10 kΩ load) Mic/Line Inputs: 43 dB Aux Ins: 0 dB	(THD at 1 kHz) Split Outs: .0005% Mix Outs: >.05% (O dBV output)
P4M P4ME	Impedance				
Measurement Conditions (unless	(at 1 kHz)	(1/L mono)	2 (eacil) 9100 22	Input Clipping Level Mic/Line Inputs: +12 dBV	Noise
otherwise specified): full gain; 1 kHz,	Operating Voltage	14-18 VDC nominal at 120 mA max current Note: Courtesy DC connector is protected from short by a self-resetting "Polyfuse." Maximum recommended load is 250 mA		Aux Ins: +12 dBV	(100 Hz to 22 kHz) Split Outs: -110 dBV
one channel activated; source impedances: Mic 150 Ω , Aux level				Crosstalk	Mix Outs: -100 dBV (all controls CCW)
150 Ω ; terminations: Line 600 Ω				Mic/Line Inputs: -100 dB	-62 dBV (all controls CW) LEDs: Resultant Mix Out Level
		(two P4Ms or o		Aux Ins: -90 dB	(10 k Ω load)
	Phantom Power	The P4M does not produce phantom power, but phantom power is allowed to pass through split outputs 1-4 to inputs 1-4 respectively.		Common Mode Rejection Mic/Line Inputs: >75 dB	Green: -30 dBV Yellow: -10 dBV
				Aux Ins: >70 dB	Red: 0 dBV
				Impedance Mix 0uts: 500 Ω	Polarity
	Net Weight	, ,	0.07.)	Output Clipping Level	All outputs in polarity with all inputs. XLR pin 2 is "hot" with respect to pin 3; pin 1 is
	Overall Dimensions	1.20 Kg (2 lb., 10 oz.) 44 mm x 218 mm x 162 mm (HWD) (1.72 x 8.60 x 6.37 in)		Mix Outs: +5 dBV (10 k Ω balanced load, -30 dBV input	ground. 1/4" TRS tip is "hot" with respect to
				ch. 1-4.)	ring; sleeve is ground.
				Crosstalk	Temperature Range Operating: -7° to 49° C (20° to 120° F)
				Split Outs: -100 dB Mix Outs: -70 dB	Storage: -29° to 74° C (-20° to 165° F)
Earphones	E3 Single-Driver			Optional Accessories	PA758S Small Soft Flex Sleeves
with Low Mass/High Energy [™] Drivers	Sensitivity	115 dB SPL/mW		PA750 Foam Sleeves	
	Impedance	26 Ω		PA755 Triple Flange Sleeves PA756S Small Flex Sleeves	PA758M Medium Soft Flex Sleeves PA758L Large Soft Flex Sleeves
	E5 Dual-Driver			PA/565 Small Flex Sleeves PA/56M Medium Flex Sleeves	
	Sensitivity	122 dB SPL/mW		PA756L Large Flex Sleeves	
E3 E5	Impedance	110 Ω			
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