



Technical Specifications

	PSM [®] 900 System	PSM [®] 1000 System
RF Carrier Range	470 – 952 MHz (region-dependent)	470 – 952 MHz (region-dependent)
Compatible Frequencies Per Band	20	39
Tuning Bandwidth	36 – 40 MHz (region-dependent)	72 – 80 MHz (region-dependent)
Operating Range	90 m / 300 ft (environment-dependent)	90 m / 300 ft (environment-dependent)
Audio Frequency Response	35 Hz – 15 kHz ± 1 dB	35 Hz – 15 kHz ± 1 dB
Signal-To-Noise Ratio	90 dB (A-Weighted)	90 dB (A-Weighted)
Total Harmonic Distortion (at 1 kHz)	<0.5% typical (ref. ±34 kHz Deviation @ 1 kHz)	<0.5% typical (ref. ±34 kHz Deviation @ 1 kHz)
Stereo Encoding/Decoding	Digital Walsh Encoding	Digital Walsh Encoding
Companding	Patented Audio Reference Companding	Patented Audio Reference Companding
Spurious Rejection	>80 dB typical (referenced to 12 dB SINAD)	>80 dB typical (referenced to 12 dB SINAD)
Frequency Stability	±2.5 ppm typical	±2.5 ppm typical
MPX Pilot Tone	19 kHz (±0.3 kHz)	19 kHz (±0.3 kHz)
Modulation	FM*, MPX Stereo (*ref. ±34 kHz deviation @ 1 kHz)	FM*, MPX Stereo (*ref. ±34 kHz deviation @ 1 kHz)
Operating Temperature	-18°C to +57°C	-18°C to +57°C
	PSM[®] 900 Body Pack P9RA	PSM[®] 1000 Body Pack P10R
Front-End RF Filtering	Dual Stage 3-Pole Chebyshev	Tri-Band, Dual Stage 3-Pole Chebyshev
Active RF Gain Control	Adjusts Receiver RF Sensitivity to provide 31 dB more RF Dynamic Range	Adjusts Receiver RF Sensitivity to provide 31 dB more RF Dynamic Range
Squelch Threshold	22 ± 3 dB SINAD	22 dB SINAD (±3 dB) default setting
RF Sensitivity	2.2 µV at 20 dB SINAD	2.2 µV at 20 dB SINAD
Image Rejection	>90 dB typical	>90 dB typical
Adjacent Channel Rejection	>70 dB	>70 dB
Intermodulation Attenuation	>50 dB (referenced to 30 dB SINAD with -80 dBm on channel signal at 45 kHz deviation of a 1 kHz tone) >70 dB for 12 dB SINAD	>50 dB (referenced to 30 dB SINAD with -80 dBm on channel signal at 45 kHz deviation of a 1 kHz tone) >70 dB for 12 dB SINAD
Blocking	>80 dB	>80 dB
Audio Output Power	100 mW (per output) 1 kHz @ <1% distortion, peak power, @32 Ω	100 mW (per output) 1 kHz @ <1% distortion, peak power, @32 Ω
Minimum Load Impedance	9.5 Ω	9.5 Ω
High Boost	Selectable: +2 dB, +4 dB @ 10 kHz	Selectable: +2 dB, +4 dB @ 10 kHz
Volume Limiter	Selectable: 3–9 Limits volume adjustment knob. Selected value analogous to volume knob increment.	Selectable: 3–9 Limits volume adjustment knob. Selected value analogous to volume knob increment.
Net Weight	196 g (6.9 oz) with 2 AA batteries	196 g (6.9 oz) with 2 AA batteries
Dimensions	99 mm x 66 mm x 23 mm (3.9 in. x 2.6 in. x 0.9 in.)	99 mm x 66 mm x 23 mm (3.9 in. x 2.6 in. x 0.9 in.)
Battery Life	6 hours typical using AA batteries	6 hours typical using AA batteries
	PSM[®] 900 Transmitter P9T	PSM[®] 1000 Transmitter P10T
RF Output Power	Selectable 10, 50, and 100 mW (+20 dBm), region-dependent	Selectable: 10, 50, 100 mW (+20 dBm), region-dependent
RF Output Impedance	50 Ω typical	50 Ω typical
Net Weight	850 g (1.87 lb)	4.7 Kg (10.4 lb)
Dimensions	197 mm X 166 mm X 42 mm (7.75 in X 6.55 in X 1.65 in)	483 mm x 343 mm x 44 mm (19.0 in. x 13.5 in x 1.7 in)
Power Requirement	415 mA typical @ 120 V AC (with RF on in 100 mW power mode, no audio)	Input: 100–240 V AC, 50/60 Hz, 0.5 A max (5.5 max outlet) Output: 100–240 V AC, 50/60 Hz, 5 A max, unswitched

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SHURE[®]
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PSM[®]900 and PSM[®]1000
Personal Monitor Systems

TWO SYSTEMS. INFINITE POSSIBILITIES.



PSM®900 AND PSM®1000 PERSONAL MONITOR SYSTEMS. ONLY FROM SHURE.



PSM 900



PSM 1000

PSM 900 and PSM 1000 Personal Monitor Systems are the first choice for premier events, professional installations and prestige tours. Offering legendary Shure audio quality, pristine RF signal with more channels on air and breakthrough automated features that vastly simplify setup and operation, these systems advance personal monitoring to the highest level.



Exceptional
Audio Quality



Robust
RF Performance



sync
Category-Leading
Controls

Both systems offer these advanced features:

- Advanced Rechargeability Option** Provides extended usage times and precision tracking of battery life and health.
- CueMode** Use one bodypack to audition up to 20 mixes, at the touch of a button.
- Shure Audio Reference Companding** Patented technology that makes wireless sound more like wired.
- Scan & Sync** Find and assign channels easily, over wireless IR link, in seconds.
- Enhanced Stereo Encoder** Expansive soundstage enhances detail usually lost in a personal monitor system.
- Advanced RF Performance** Precision filtering and automatic RF gain control deliver the cleanest and most dependable signal.
- RF Mute Switch** The “Do Not Disturb” RF button - perform setup operations without disturbing the RF environment.
- MixMode®** Balance L/R output levels independently to create a personal mix for each bodypack.
- Noise-Sensitive Squelch** Automatically detects and mutes audio before unwanted noise can reach the performer.

PSM®900



P9RA Wireless Bodypack Receiver

36 MHz Tuning Range | Wider range, better signal.

An expansive tuning range, along with enhanced front-end RF filtering, delivers more channels on-air and fewer dropouts than ever.

Half-Rack, Single Channel Transmitter | Precise operation.

The P9T transmitter features intuitive front panel controls and comes in a compact, half-rack chassis.

Up to 20 Compatible Channels | Optimized for efficiency.

Advanced filtering and vastly reduced frequency intermodulation allows up to 20 compatible channels to operate simultaneously on one frequency band.



P9T Wireless Transmitter

PSM®1000



P10R Wireless Bodypack Receiver

72 MHz Tuning Range* | More channels on air.

The widest PSM tuning range, combined with ultra-linear RF transmission, delivers more channels on air—up to 39 in a single frequency band—and fewer dropouts than any other system. * Region dependent

Dual-Channel, Networkable Transmitter | Expanded wireless control.

The P10T is a full-rack, dual-channel transmitter housed in a touring-grade, all-metal chassis, with networked control via Ethernet that vastly simplifies setup for high channel counts.

Diversity Bodypack with Full Bandwidth Scan | Enhanced RF performance.

The P10R scans the entire 72 MHz bandwidth and sends detailed spectrum information—including a high-resolution frequency plot—to the transmitters via IR sync.



P10T Dual Wireless Transmitter



Wireless Workbench® 6

PSM 1000 is fully networkable with the Shure Wireless Workbench 6 wireless system control software. The new WWB6 features a re-imagined graphic user interface, with enhancements tailored to support advances in RF spectrum management technology and live performance monitoring.

Rechargeability | Advanced power management.

Both PSM 900 and PSM 1000 offer an advanced and efficient rechargeability option that provides extended usage times and eliminates the need to constantly replace disposable batteries.



SB900 Rechargeable Battery

Smart, rechargeable lithium-ion battery that provides up to 10 hours of continuous use, with precision metering of battery life health tracking.



SBC800 Recharging Station

This compact and portable unit charges 8 SB900 batteries to full capacity within 3 hours, with status LEDs to indicate power levels. SB900 batteries fit securely and can be stored in the charger for easy, efficient transport.



SE425 Sound Isolating™ Earphones

Featuring Dual High-Definition MicroDrivers, the SE425 uses a dedicated tweeter and woofer for an accurate and balanced sound. Detachable cable with formable wire enables easy replacement and secure, comfortable fit.