PSM®300 Stereo Personal Monitor Systems

CLEAR SOUND. CUSTOM CONTROL.
AT EVERY CORNER OF THE STAGE.
PSM®300 Stereo Personal Monitor Systems

THE NEXT STEP IN ONSTAGE CLARITY.

Easy to set up and operate, the Shure PSM 300 Stereo Personal Monitor System puts total freedom within reach of musicians at every level. Customizable two-channel mix and volume lets you hear every note in detailed, 24-bit digital audio from anywhere on the stage. So you can dedicate yourself to the performance. Never bound by wires or wedges.

A CUSTOM MIX IN FOUR SIMPLE STEPS

1. Route audio signals from the stage to a mixer or PA System
2. Create an instrument mix and a vocal mix, then route each to an input channel on the P3T transmitter
3. Monitor one or both mixes through earphones connected to a P3R or P3RA bodypack receiver
4. Adjust the volume and MixMode® knobs to create a personal mix
AVAILABLE PSM®300 SYSTEM CONFIGURATIONS

**P3TR112GR**
- P3T Wireless Transmitter
- P3R Wireless Bodypack Receiver
- SE112 Sound Isolating™ Earphones

**P3TRA215CL**
- P3T Wireless Transmitter
- P3RA Professional Wireless Bodypack Receiver
- SE215 Sound Isolating™ Earphones

PSM®300 COMPONENTS

**P3R Wireless Bodypack Receiver**
- Use MixMode® or stereo mode to create a personal 2 channel mix
- Easy-to-adjust volume and mix controls
- Scan function quickly finds an open frequency
- Over 90 dB of dynamic range for precise, low-noise audio
- Up to 6 hours continuous use from 2 AA batteries
- Slim, lightweight bodypack attaches easily to a belt or guitar strap

**P3RA Professional Wireless Bodypack Receiver**
- All P3R features, plus
  - Rugged, all-metal construction
  - LCD display with menu based navigation
  - 2 band shelving EQ with high and low boost
  - Volume limiter sets the maximum gain level range
  - 2 AA batteries or optional Shure SB900 rechargeable battery power

**SE112 Sound Isolating™ Earphones**
- Full-range sound and deep bass for accurate listening onstage.

**SE215 Sound Isolating™ Earphones**
- Detailed sound and enhanced bass with a low-profile design for discreet usage.

**P3T Wireless Transmitter**
- Sends a stereo or mono mix wirelessly to performers onstage
- Detailed, 24-bit digital audio
- Rock-solid analog wireless connection over a 300 foot (90 meter) range
- One-touch IR sync instantly links transmitter to bodypack receiver
- High-contrast LCD screen with audio metering
- Selectable line/aux level
- ¼" (6.3 mm) TRS balanced inputs and loop outputs
- Detachable ¼ wave antenna
- Rack hardware kit included
Technical Specifications

NOTE: All specifications are subject to change.

Accessories

SB900
Shure Lithium-Ion Rechargeable Battery. Compatible with P3RA bodypack receivers.

SBC100
USB Single Battery Charger can be powered from both A/C power sources and USB ports.

SBC200
Dual-docking Shure battery charger.

PA411
Distributes DC power and RF signal for up to four Shure PSM transmitters.

PSM®300 SYSTEM

- RF Carrier Range: 488-937.5 MHz (Note: varies by region)
- Compatible Frequencies Per Band: up to 15
- Tuning Bandwidth: 24 MHz maximum (Note: varies by region)
- Operating Range: 90 m (300 ft)
- Audio Frequency Response: 38 Hz–15 kHz
- Signal-to-Noise Ratio: 90 dB (typical)
- Total Harmonic Distortion: <0.5% (typical) (ref. ±34 kHz deviation @ 1 kHz)
- Companding: Patented Shure Audio Reference Companding
- Spurious Rejection: >80 dB (typical)
- Frequency Stability: ±2.5 ppm
- MPX Pilot Tone: 19 kHz (±0.1 Hz)
- Modulation: FM*, MPX Stereo (ref. ±34 kHz deviation @ 1 kHz)
- Operating Temperature: −18 °C (0 °F) to +63 °C (145 °F)

P3RA PROFESSIONAL WIRELESS BODYPACK RECEIVER

- Active RF Sensitivity (at 20 dB SINAD): 2.2 μV
- Image Rejection: >80 dB
- Adjacent Channel Rejection: >60 dB
- Intermodulation Attenuation: >50 dB
- Blocking: >60 dB
- Audio Output Power 1 kHz @ <1% distortion, peak power, @32 Ω: 80 mW (per output)
- Minimum Load Impedance: 16 Ω
- Headphone output: 3.5 mm (1.8") stereo
- Net Weight: 196 g (6.9 oz.) (with batteries)
- Dimensions (H x W x D): 99 x 66 x 23 mm (3.9 x 2.6 x 0.9 in.)
- Battery Life: 4-5.5 hours (continuous use) AA batteries
  5.5–7 hours (continuous use) SB900 Rechargeable Battery

P3R WIRELESS BODYPACK RECEIVER

- Active RF Sensitivity (at 20 dB SINAD): 2.2 μV
- Image Rejection: >80 dB
- Adjacent Channel Rejection: >60 dB
- Intermodulation Attenuation: >50 dB
- Blocking: >60 dB
- Audio Output Power 1 kHz @ <1% distortion, peak power, @32 Ω: 80 mW (per output)
- Minimum Load Impedance: 16 Ω
- Headphone output: 3.5 mm (1.8") stereo
- Net Weight: 98 g (3.5 oz.) (without batteries)
- Dimensions (H x W x D): 110 × 64 × 21 mm (4.3 x 2.5 x 0.8 in.)
- Battery Life: 5–7 hours (continuous use) AA batteries

P3T TRANSMITTER

- RF Output Power: 10, 20, 30 mW (Note: varies by region)
- RF Output Impedance: 50 Ω (typical)
- Net Weight: 783 g (27.6 oz.)
- Dimensions (H x W x D): 43 x 198 x 172 mm (1.7 x 7.8 x 6.8 in.)
- Power Requirements: 12-15 V DC, 260 mA maximum

©2014 Shure Incorporated