

# System Specifications

## P9HW Hardwired Bodypack Receiver

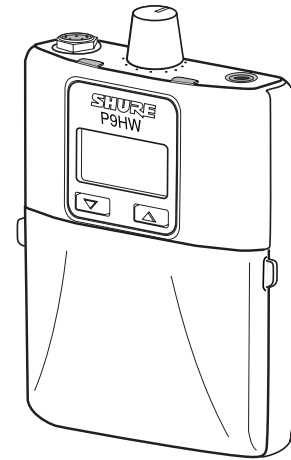
### Overview

The Shure P9HW is a wired, two-channel stereo personal monitor with individual mix controls. It delivers improved audio clarity and reduced feedback onstage versus traditional speaker wedges. Listen to one or two channels of audio from the mixing console through earphones, using MixMode® technology to customize the mono blend or stereo mode to set the left/right balance. A four-band EQ and volume limiting further individualize the sound. Two standard AA batteries provide up to 6 hours of continuous use. The optional SB900 rechargeable battery (sold separately) extends runtime and allows easy in-unit charging. With a compact and rugged aluminum body, the P9HW ensures a long lifetime of use and easily clips onto a belt or guitar strap. Y-splitter cable included for connection to audio sources.

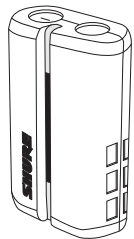
- Rugged, all-metal construction
- LCD display with menu-based navigation
- Easy to adjust volume knob and mix control
- Two input channels with Mixmode or stereo mode output
- Mixmode allows volume adjustment of the mono blend of two input mixes
- Stereo mode allows left/right balance adjustment for two mixes
- Volume limiter sets the maximum volume adjustment range
- 4-band parametric EQ
- Switchable line (+4 dBu) and aux (-10 dBV) input level
- 2 AA batteries provide up to 9 hours of use
- Optional Shure SB900 lithium-ion rechargeable battery provides extended runtime
- Power and battery status LED
- 5 segment battery life meter
- Power save mode and automatic power-off preserves battery life

### Product Specifications

Audio Frequency Response	20 Hz–20 kHz (±3 dB)
Signal-To-Noise Ratio <i>A-Weighted</i>	98 dB (typical)
Total Harmonic Distortion <i>@ 1 kHz, typical</i>	<0.2%
Channel Separation <i>@ 1 kHz</i>	>55 dB
Operating Temperature	-18 °C to +63 °C
Minimum Load Impedance	9.5 Ω
Dimensions	99 × 66 × 23 mm (3.9 in. × 2.6 in. × 0.9 in.) H × W × D
Net Weight	196 g (6.9 oz) (with batteries)
Battery Life	9 hours (continuous use) AA batteries
<b>Audio Input</b>	
Connector Type	LEMO
Configuration	Electronically balanced
Impedance	Line: 45 kΩ Aux: 66 kΩ
Nominal Input Level	Switchable: +4 dBu (Line), -10 dBV (Aux)
Maximum Input Level	+4 dBu (Line): +22 dBu -10 dBV (Aux): +12.2 dBu
Phantom Power Protection	Up to 60 V DC
<b>Audio Output</b>	
Connector Type	3.5 mm (1/8")



P9HW Professional Hardwired  
Bodypack Receiver



### Rechargeable Power Management (sold separately)

#### SB900 Rechargeable Battery

PSM 300 receivers are compatible with the SB900 lithium-ion rechargeable battery, which provides up to 7 hours of continuous use and precise tracking of remaining life and charge cycle details.

#### SBC200 Dual Docking Recharging Station

This compact and portable unit charges batteries while in transmitters or out. Up to 4 SBC200's can be chained together to run off one power supply.

#### SBC800 Eight Battery Recharging Station

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

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