



MicroCom HS900XR Product Specifications

Headset Models: PMC-HS900XRS, PMC-HS900XRD, PMC-HS900XRS-AN, PMC-HS900XRD-AN

Overview

The MicroCom HS900XR Wireless Headset combines the great sound quality, excellent range, and budget-friendly price point of MicroCom XR with the comfortable fit, exceptional noise isolation, and flip-up microphone muting technology of the SmartBoom PRO headset. Compatible with the two-channel MicroCom 900XR beltpacks, users can mix and use a combination of MicroCom XR wireless all-in-one headsets and beltpacks as part of the same system. A lightweight and adjustable design allows for comfortable all-day wear, and the headsets collapse for easy storage and travel when your work is done.

HS900XR Key Features

- Robust, Two-Channel (A or B) System
- Three Operating Modes for Challenging Environments
- Dual Listen
- Simple to Operate
- Up to 10 Full-Duplex Users
- Radio-to-Radio Communication
- Unlimited Shared Users
- Unlimited Listen-Only Users
- 900MHz Frequency Band
- Encrypted FHSS Technology
- Ultra Compact, Small, and Lightweight
- Rugged, IP54-Rated Headset
- Long Battery Life (7-Hour for Single, 14-Hour for Dual)
- Field-Replaceable Battery
- Available Drop-In Charger
- Single Ear or Dual Headset Options

What's in the Box?

- Headset
- Li-Poly Battery (BT-12-PT)
Note: Dual headset has two batteries.
- USB Charging Cable
- Quick Start Guide
- Product Registration Card



MicroCom PMC-HS900XRD Headset

Optional Accessories

- BT-12-PT: Replacement Lithium-Ion Battery
- PAC-USB6-CHG: Pliant 6-Port USB Charger
- PAC-MCXR-5CASE: IP67-Rated MicroCom Hard Carry Case
- PAC-MC-SFTCASE: MicroCom Soft Travel Case
- PBT-HSXRC-66: MicroCom XR Headset 6+6 Drop-in Charger
- PMC-REC-900(AN): MicroCom 900XR Receiver



MicroCom PMC-HS900XRS Headset

MICROCOM[®]
XR HEADSET

Specification*	PMC-HS900XRS	PMC-HS900XRSAN	PMC-HS900XRD	PMC-HS900XRD-AN
Microphone				
Microphone Type	Electret Condenser			
Frequency Response	20–16,000 Hz			
Mic Sensitivity	-45 ± 2 dBV/Pa at 1 kHz			
Pattern	Unidirectional			
Output Impedance	1.5 kΩ			
Biased Voltage	1.5V~2.2V			
Speaker (Headphone)				
Frequency Response	20–20,000 Hz			
Nominal Impedance	100 Ω			
Sensitivity at 1 kHz	117 dB SPL/mW		121 dB SPL/mW	
Speaker Type	Dynamic			
Max Input Power	500 mW			
Physical Features				
Mic Boom Length	8.50 in. (215.90 mm)			
Dimensions	6.9 in. x 8.2 in. x 3 in. (176 mm x 210 mm x 76.9 mm)			
Weight	9.7 oz (275 g)		13.8 oz (392 g)	
Display	OLED			
Storage Temperature	-4 °F ~ 122 °F (-20 °C ~ 50 °C, +/-2°C)			
Radio				
Radio Frequency Type	902–928 MHz	915-928 MHz	902–928 MHz	915-928 MHz
Radio Interface	GFSK with FHSS			
Frequency Response	50 Hz ~ 4 kHz			
Encryption	AES-128			
Voice Codec	16 bit / 8 kHz			
Maximum Transmit Output Power	320 mW Typical			
Rx Sensitivity	-95 dBm			
Frequency Channels	52	25	52	25
Channel Spacing	0.5 MHz			
Number of Intercom Channels	2			
Maximum Full-Duplex Users	10			
Number of Shared Users	Unlimited			
Number of Listen Only Users	Unlimited			
Antenna	FPC			
Battery Type	Rechargeable 3.7 V Li-Poly field-replaceable battery			
	1,200 mA		2,400 mA (1,200 mA battery x2)	
Battery Life	Approx. 7 hours		Approx. 14 hours	
Battery Charging Time	4 hours (USB cable and drop-in charger)		6 hours (USB cable and drop-in charger)	
Charge Type	USB C; 5V; 1–2 A			

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*Notice about Product Specifications: While Pliant makes every effort to maintain the accuracy of the information contained in this document, this information is subject to change without notice. Please check our website for the latest system specifications and certifications. Performance specifications included in this document are design-centered specifications and are included for customer guidance and to facilitate system installation. Actual operating performance may vary. Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice.

**PMC-HS900XR-AN is approved for use in Australia and New Zealand and operates within the 915–928 MHz frequency range.

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XR HEADSET