

iriComm 4.0 Wired

Datasheet

Product Description

The IWCS iriComm 4.0 Wired is a rugged, waterproof (IP67) full-duplex passive headset designed for mission-critical operations.

Compatible with helmets or headbands, it's ideal for use in high-noise, harsh environments like rescue, firefighting, and tactical missions.

Key Features:

- **Max SPL 142dB*:** Handles high sound pressure levels up to 142dB, providing robust audio performance without distortion in loud surroundings.
- **Single Remote PTT (Push-to-Talk):** Offers a single remote push-to-talk buttons for flexible and accessible communication control.
- **Lightweight Design:** Ensures comfortable all-day wear with minimal fatigue during prolonged use.
- **Underhelmet Headset:** Specifically engineered for seamless and comfortable integration when worn under a helmet.
- **Connection Options:** iriComm 4.0 Wired Headset is available with various connector options.

Mechanical Features

1. Comfortable Over-ear design
2. Far-field noise canceling microphone
3. Headband with IWCS logo
4. PTT
5. Adjustable Swivel-arms with locking bolt



Disclaimer: All information provided is for general guidance only and is subject to errors and changes at any time. We do not accept any liability for inaccuracies or omissions.

Technical Specifications:

iriComm 4.0 wired	Headband	Helmet
Weight	365 g*	295 g*
Waterproof	IP67	
No. of PTTs	1	
3-Mode LED	-	-
Situational Awareness	-	-
Battery		
Gel earpads	Standard	
SNR	41dB*	
Termination	Spiral cable with connector for iriBelt or radio specific connector for direct radio connection	
Frequency range	100 - 16000 Hz	
Storage temperature	-20 C to + 50 C	
Part number	IR-35-1111-01-xxxxx	IR-35-1211-01-xxxxx

SNR Measurement acc. ISO standard 4869-2

Freq(Hz)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	SNR 30dB	Dual Protect 41dB*
Mf(dB)	8,2	16,7	30,7	37,8	37,5	37,8	40,5		
sf(dB)	1,7	1,3	0,9	1,4	2,3	1,9	1,4	APV 28dB	
APVf(dB)	6,5	15,4	29,8	36,4	35,2	35,9	39,1		

*One additional measurement was made adding a ZOUND EARPLUG inside the iriComm4.0 Wireless. The measurement indicates that SNR can be increased to 41 dB using this double protection, maintaining a flat frequency response in the headset up to 3 kHz.