

iriComm 4.0 Wireless

Datasheet

Product Description

The IWCS iriComm 4.0 Wireless is a rugged, waterproof (IP67) full-duplex headset designed for mission-critical operations. It features top-tier noise cancellation, situational awareness mode, dual wireless connections (radio/phone), and a built-in multi-mode LED light.

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

Key Features:

- **Noise-Canceling Microphone:** Ensures clear voice transmission by actively filtering out background noise, even in demanding environments.
- **Max SPL 142dB*:** Handles high sound pressure levels up to 142dB, providing robust audio performance without distortion in loud surroundings.
- **3-Mode LED Light:** Integrated on the headset, the LED provides three selectable light modes for visibility and clear operational awareness.
- **Dual Remote PTT (Push-to-Talk):** Offers two remote push-to-talk buttons for flexible and accessible communication control.
- **Situational Awareness:** Enhances your awareness of the surrounding environment, crucial for safety and coordination.
- **Lightweight Design:** Ensures comfortable all-day wear with minimal fatigue during prolonged use.
- **Protected Charging Port:** Designed to safeguard the charging port from dust, moisture, and debris, enhancing durability.
- **Underhelmet Headset:** Specifically engineered for seamless and comfortable integration when worn under a helmet.
- **OTA (Over-the-Air) Updates:** Enables convenient firmware updates wirelessly, ensuring your headset always has the latest features and improvements.
- **Mobile Connectivity:** Allows for effortless connection to mobile devices, providing versatile communication options on the go.

Mechanical Features

1. Comfortable Over-ear design
2. Far-field noise canceling microphone
3. Headband with IWCS logo
4. Dual PTT's and situational awareness control
5. 3-mode LED lights
6. Hear-through microphones
7. Adjustable Swivel-arms with locking nut



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 wireless	Headband	Helmet
Radio	Wireless 2,4 GHz	
Weight	415 g	330 g
Waterproof	IP67 (When Worn)	
No. of PTTs	2	
3-Mode LED	Yes	Yes
Situational Awareness	Yes	Yes
Battery	700 mAh Li-Ion	
Charging	USB	
Charge time	< 3 hours	
Earpads	Memory Foam	
SNR	41dB*	
Frequency range	100 - 16.000 Hz	
Temperature Range	-20 C to + 50 C	
Part number	IR-35-2112-02-xxxxx	IR-35-2212-02-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
Mf(dB)	8,2	16,7	30,7	37,8	37,5	37,8	40,5	APV 28dB	41dB*
sf(dB)	1,7	1,3	0,9	1,4	2,3	1,9	1,4		
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.