JUPITER AVIONICS CORPORATION

wiJAC2™-Dxx
Wireless Intercom System - Wireless Dropcord
Data Sheet

Description

The wiJAC2™ Wireless Dropcord System consists of two components which provide a wireless full-duplex audio link between the aircraft's intercom /radio systems and the user's headset. Adapter cables are available for different headset connector styles and aircraft connector styles. The JB69 plugs directly into the aircraft audio system via a standard dropcord jack and the JB68 connects to a standard aircraft headset and attaches to the user's belt. Together the two separate components allow aircraft personnel free movement both inside and outside the aircraft. The headset adapter features only essential controls to ensure ease of operation. (VOX and Volume control knobs, and On/Off and PTT buttons)

The re-design of the field-proven wiJAC series offers:
- Waterproof protection 1 meter depth for 30 minutes
- Increased battery life
- ICS PTT detent on VOX knob
- Improved ergonomics
- Removeable belt clip mounting

The wiJAC2™ system offers the user independence from traditional tethered audio systems without sacrificing audio quality.
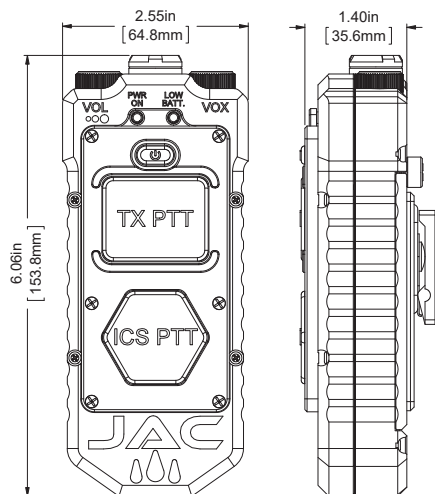
Features

The wiJAC2™ system is designed to be compatible with most general (aviation-type) high impedance headsets.
A light on each unit indicates when the RF communication link is established, and a 2.1mm coaxial charging port is provided for connection to a USB charging source.
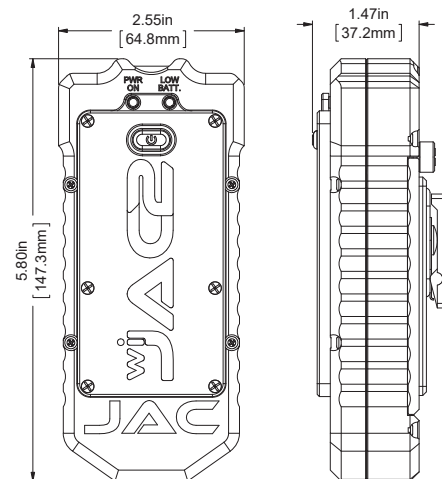
The base unit has a 10 pin HIROSE connector and the headset unit has a 6 pin LEMO connector.
An adapter cable for a NATO style headset connector, an adapter cable for a standard 6 pin aircraft dropcord connector, are included with each system. Multiple paired adapters can be co-located in the same aircraft without interference. An encrypted radio link ensures secure communications. Alternative adapter cables are available for use with other Dconnector styles.

The wiJAC2-D01 system comprises a JB68-001 and a JB69-001 (6 pin connector) and is for use in North America.
The wiJAC2-D02 system comprises a JB68-002 and a JB69-002 (6 pin connector) and is for European use.

wiJAC2™ -Dxx Specifications
Installation

JB68 Wireless Aircraft Headset Adapter
Weight: 0.79 lbs [0.36 kg] MAX. (with batteries)

JB69 Wireless Aircraft Intercom Adapter
Weight: 0.74 lbs [0.33 kg] MAX. (with batteries)

Pin Out Standard	*wiJAC2-D01 | JB69-001 CAB-WJ2-0002
Pin A:	Phones Lo (GND)
Pin B:	MIC Hi
Pin C:	MIC Lo (GND)
Pin D:	Phones Hi
Pin E:	TX Key
Pin F:	ICS Key
Pin G:	Not Applicable
Pin H:	Not Applicable
Pin J:	Not Applicable
Pin K:	Not Applicable
* Default wiring for US Forest Service	

Enviroment & Performance

Batteries	6 ea. AA, (3 per unit)
Charging Electrical Power	+5 Vdc @ 200mA max (USB Power Source)
Temperature	-15 °C to +50 °C -40 °C to +50 °C
Altitude	25,000 ft. max
Microphone	150 Ohms amplified Dynamic
Range wiJAC-Dx1	Up to 328 ft. [100 m] (unobstructed)
Range wiJAC-Dx2	Up to 984 ft. [300 m] (unobstructed)
Battery Life	20 hr (typical)
Headphone	240 mW into 150 Ohms

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