



JUPITER AVIONICS

C O R P O R A T I O N

wiJAC™

Wireless Intercom System - Wireless Dropcord

Data Sheet

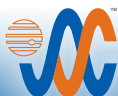
**BOTH RADIO
AND INTERCOM
PTT INCLUDED!**



Description

The wiJAC™ 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. Adapters are available for different headset connector styles. The JA69 component plugs directly into the aircraft audio system via a standard dropcord jack and the JA68 component 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. As well as VOX and Volume controls, the JA68 has two PTT buttons: one for ICS PTT and one for TX (Radio) PTT. When TX PTT is activated, the microphone audio is transmitted to the aircraft audio controller and then to the selected aircraft radio.

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



Features

The wiJAC™ system is factory programmed with default settings that are suitable for most general aviation high impedance headsets. If it is necessary to modify the balanced phones/microphone input/output levels, this can be carried out by a JAC Dealer using JAC's proprietary ProCS™ software. A configuration port is provided to support this function.

A light on each unit indicates when the RF communication link is established, and a micro USB charging port is provided for connection to a USB charging source. Charging cables and rechargeable batteries 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. A selection of adapter cables is available for use with other connector styles.

The wiJAC-D01 system consists of a JA68-001 and a JA69-001 and is for use in North America - 6 pin connector.

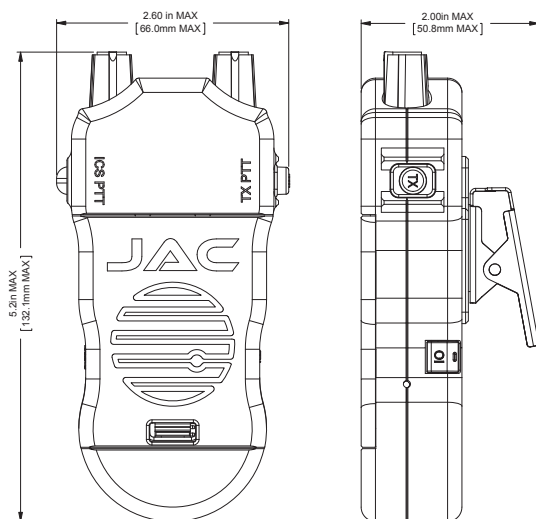
The wiJAC-D02 system consists of a JA68-002 and a JA69-002 and is for European use - 6 pin connector.

The wiJAC-D11 system consists of a JA68-001 and a JA69-011 and is for use in North America - 10 pin connector.

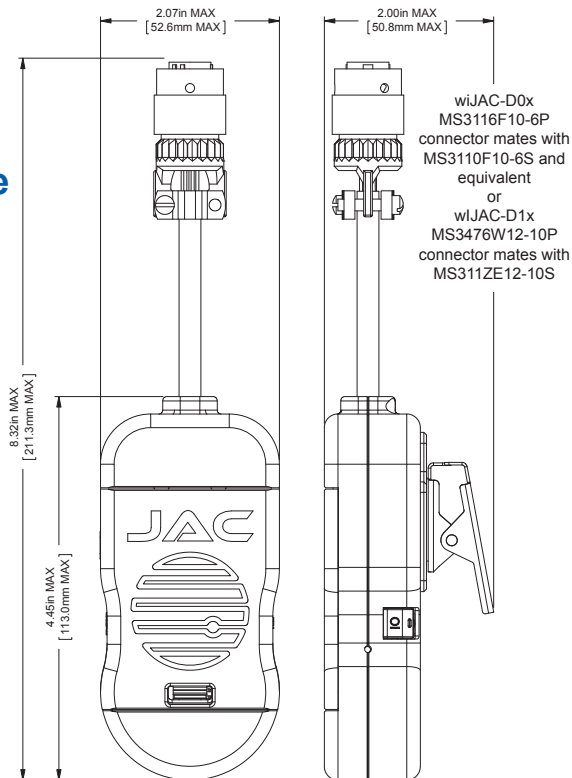
The wiJAC-D12 system consists of a JA68-002 and a JA69-012 and is for European use - 10 pin connector.

wiJAC-Dxx Specifications Installation / Environment & Performance

U-92A/U type connector mates
with U93A/U and equivalent



JA68 Wireless Aircraft Headset Adapter
Weight: 0.46 lb. 0.209 Kg Max



JA69 Wireless Aircraft Intercom Adapter
Weight: 0.33 lb. 0.149 Kg Max

Pin Out Standard	*wiJAC-D01 JA69-001	wiJAC-D11 JA69-011
Pin A:	Phones Lo (GND)	MIC Hi
Pin B:	MIC Hi	MIC Lo
Pin C:	MIC Lo (GND)	Phones Hi
Pin D:	Phones Hi	Phones Lo
Pin E:	TX Key	ICS Key
Pin F:	ICS Key	TX Key
Pin G:	Not Applicable	Shield
Pin H:	Not Applicable	N/C
Pin J:	Not Applicable	N/C
Pin K:	Not Applicable	N/C

* Default wiring for US Forest Service

Batteries	6 ea. AAA, (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
Humidity	95%
Microphone	150 Ohms amplified Dynamic

Vibration	Per DO160G Cat [(SBM)(U2FF1)]
Range wiJAC-Dx1	328 ft. [100 m] (typical)
Range wiJAC-Dx2	656 ft. [200 m] (typical)
Battery Life	6 to 8 hr (typical)
Shock	20g (any axis)
Headphone	100 mW into 150 Ohms