



**JUPITER AVIONICS**  
C O R P O R A T I O N

**JB60-001**  
**Wireless Aircraft Headset Adapter**  
**N America**



**Installation and Operating Manual**

**Rev A**

**Jupiter Avionics Corporation**  
**1959 Kirschner Road**  
**Kelowna BC**  
**Canada V1Y 4N7**  
**Tel: +1 778 478 2232**  
**Toll-Free: 1 855 478 2232**  
[www.jupiteravionics.com](http://www.jupiteravionics.com)



**Copyright 2020 Jupiter Avionics Corp.  
All rights reserved**

Jupiter Avionics Corporation (JAC) permits a single copy of this manual to be printed or downloaded for the express use of an installing agency. Any such electronic or printed copy of this manual must contain the complete text of this copyright notice. Any unauthorized commercial distribution of this manual is strictly prohibited. Except as described above, no part of this manual may be reproduced, copied, transmitted, disseminated, downloaded, or stored in any storage medium for any purpose without the express prior written consent of JAC.

**IMPORTANT:**

Information in this document is subject to change without notice.  
To confirm the current revision status of this manual, visit the JAC website:  
[www.jupiteravionics.com](http://www.jupiteravionics.com)

[illegible]

Prepared:  MPB	Checked:  	Approved:  
----------------------	---	--



## Table of Contents

<b>SECTION 1 - DESCRIPTION .....</b>	<b>1</b>
1.1 Product Overview .....	1
1.2 Features Overview .....	1
1.3 Inputs and Outputs .....	2
1.3.1 Inputs .....	2
1.3.2 Outputs .....	2
1.4 Specifications .....	2
1.4.1 Electrical Specifications .....	2
1.4.2 Audio Performance .....	2
1.4.3 Audio Performance, Other .....	3
1.4.4 Physical Specifications .....	3
<b>SECTION 2 – INSTALLATION .....</b>	<b>4</b>
2.1 Introduction .....	4
2.2 Continued Airworthiness .....	4
2.3 Unpacking and Inspecting Equipment .....	4
2.4 Installation Procedures .....	4
2.4.1 Cabling and Wiring .....	4
2.4.2 Mechanical Installation .....	4
2.4.3 JB60-001 Setup and Connection .....	4
2.5 Adjustments and Configuration .....	5
2.5.1 Adjustments .....	5
2.5.2 Annunciators .....	5
2.5.3 Controls .....	6
2.5.4 Connectors .....	6
2.6 Pairing Process .....	6
2.6.1 Pairing .....	6
2.7 Installation Kit .....	7
2.8 Installation Drawings .....	7
<b>SECTION 3 – OPERATION .....</b>	<b>8</b>
3.1 Introduction .....	8
3.2 External Controls, Annunciators and Connectors .....	8
3.2.1 <b>Controls</b> .....	9
3.2.2 Connectors .....	9
3.2.3 Annunciators .....	9
3.2.4 <b>Other</b> .....	10
3.3 Internal Adjustments, Annunciators and Connectors .....	11
3.3.1 <i>Adjustments</i> .....	11
3.3.2 Annunciators .....	11
3.3.3 <i>Controls</i> .....	11
3.3.4 Connectors .....	12
3.4 Batteries .....	12
3.4.1 Inserting or Replacing the Batteries .....	12
3.4.2 Charging Batteries in the Unit .....	12
3.4.3 Charging Operation – via Battery Charger .....	13
3.4.4 Battery Cautions and Warnings .....	13
3.5 Compliance Statements .....	14
3.5.1 FCC compliance statement .....	14
3.5.2 Industry Canada compliance statement .....	14
<b>Appendix A - Installation Drawings .....</b>	<b>A1</b>
A1 Introduction .....	A1
A2 Installation Drawings .....	A1

## JB60-001 Wireless Aircraft Headset Adapter - N America

### SECTION 1 - DESCRIPTION

#### **1.1 Product Overview**

The JB60-001 is a component of a **wiJAC2-0xx** Wireless Aircraft Intercom System. Full system operating instructions are in the relevant **wiJAC2™** Operating manual.

The **wiJAC2™** Wireless Aircraft Intercom System offers the user independence from traditional tethered audio systems and drop cords without sacrificing voice quality or noise performance. Multiple paired adapters can be co-located in the aircraft without interference.

The **wiJAC2™** Wireless Aircraft Intercom System provides a wireless full-duplex audio link between the aircraft's intercom system and the user's headset with the ability to key ICS remotely. The system comprises two units: The JB69 Intercom Adapter and the JB60 Headset Adapter. The intercom adapter plugs into the aircraft audio system via standard adapter cables and the headset adapter connects to a standard high impedance aircraft headset.

The headset adapter features essential controls to ensure ease of operation (VOX and Volume control knobs, an ICS PTT button, and an On/Off button).

#### **1.2 Features Overview**

The JB60-001 has a water-resistant enclosure.

The JB60-001 has a 2.1mm charging port for connection to a USB Charging source.

The JB60-001 has an improved belt clip with rotating action.

The JB60-001 features a standard 6 pin Lemo connector for direct connection to ANR headsets and includes an adapter cable from the standard 6 pin Lemo connector to U-92A/U connector for helicopter headsets.

The JB60-001 provides a large ICS PTT button for ease of operation.

The JB60-001 provides high torque controls to ensure set levels stay in position.

The JB60-001 features AA batteries for longer operation.



## **1.3 Inputs and Outputs**

Refer to the JB60-001 connector maps for the mating connector designators and pin assignments for the input and output signals.

### **1.3.1 Inputs**

#### Microphone Input

The headset connector has two contacts for the MICROPHONE INPUT HI / LO audio input

#### Power Input

The battery charging connector has two contacts, +5 VDC POWER and POWER GROUND, to provide input electrical power.

### **1.3.2 Outputs**

#### Phone Output

The headset connector has 2 contacts to provide PHONES OUTPUT HI / LO audio output.

## **1.4 Specifications**

### **1.4.1 Electrical Specifications**

#### Power Input Performance

Input primary nominal voltage is	5 Vdc
Input maximum voltage is	6 Vdc
Input minimum voltage is	4.5 Vdc
Input current is	≤0.3 A
Critical battery level is	2.9 Vdc

### **1.4.2 Audio Performance**

#### Rated Input Level

Microphone input level is	0.25 Vrms ±10 %
---------------------------	-----------------

#### Rated Output Power

Phone rated output power is	6.00 Vrms ±10 %
-----------------------------	-----------------

#### Audio Frequency Response

Audio output frequency response is	≤3dB from 500 to 4200 Hz
------------------------------------	--------------------------

#### Input Impedance

Microphone input impedance is	150 Ω ± 10 %
-------------------------------	--------------

#### Output Load

Phones load is	150 Ω ± 10 %
----------------	--------------

#### Volume Controls

Phones Audio control variation is	12 ± 3 dB min.
-----------------------------------	----------------

#### Audio Noise Level without Signal

Noise level below the rated output is	≥ 55 dB
---------------------------------------	---------



### 1.4.3 Audio Performance, Other

Phones output circuitry type is	Transformer coupled
MIC input circuitry type is	differential
VOX Threshold control range, relative to rated microphone input	-30 to +12 dB
VOX Off Delay Time	1.0 s $\pm$ 20 %

### 1.4.4 Physical Specifications

Height (including belt clip)		1.88 in [47.8 mm] maximum
Length (not including connector)		6.06 in [153.8 mm] maximum
Width		2.55 in [64.8 mm] maximum
Weight (including batteries)		0.79 lb [0.36 kg] maximum
Enclosure Material		Black polycarbonate
Enclosure Finish		Soft-feel clear coat
Configuration Connector	J2	4 pole 3.5mm jack
Headset Connector	J3	6 pin Lemo jack
Battery Charging Connector	J1	2.1 mm coaxial jack
Mounting		Belt clip
Transmitter Module		FCC ID: Y82-SC14A IC: 9576A-SC14A
Installation kit part number		INST-JB6x

## JB60-001 Wireless Aircraft Headset Adapter - N America

### SECTION 2 – INSTALLATION

#### 2.1 Introduction

This section contains unpacking and inspection procedures, installation information, and post-installation checks.

#### 2.2 Continued Airworthiness

Maintenance of the JB60-001 is on condition only. Scheduled inspection and/or periodic maintenance of this unit is not required.

#### 2.3 Unpacking and Inspecting Equipment

Unpack the equipment carefully. Check for any obvious shipping damage and report any problems to the relevant carrier. Confirm that the Certificate of conformity or release certification is included. Complete the on-line warranty card from the Jupiter Avionics Corporation (JAC) website – [www.jupiteravionics.com](http://www.jupiteravionics.com).

##### 2.3.1 Warranty

All **wiJAC2™** products manufactured by JAC are warranted to be free of defects in workmanship or performance for 1 year from the date of purchase from an approved JAC dealer or agency. This warranty covers the cost of all materials and labour to repair or replace the unit, but does not include the cost of transporting the defective unit to and from JAC or its designated warranty repair centre, or of removing and replacing the defective unit in the aircraft. This warranty does not cover failures due to abuse, misuse, accident, incorrect battery use, or unauthorized alteration or repairs.

Contact JAC for return authorization, and for any questions regarding this warranty and how it applies to your unit(s). JAC is the final arbiter concerning warranty issues. Refer to [www.jupiteravionics.com/warrantyregistration](http://www.jupiteravionics.com/warrantyregistration)

#### 2.4 Installation Procedures



---

**WARNING:** Loud noise can cause hearing damage. Before using the headset, set the volume to minimum; then slowly increase the volume to a comfortable listening level.

---



---

**CAUTION:** The circuitry of the unit may be damaged if unsuitable batteries are installed. Refer to the battery information in this manual ([section 3.4](#)).

---

##### 2.4.1 Cabling and Wiring

N/A

##### 2.4.2 Mechanical Installation

The JB60-001 is a belt mounted unit that can be used in any attitude and location.

##### 2.4.3 JB60-001 Setup and Connection

The JB60-001 is part of a wiJAC2 system. Refer to the wiJAC2-001 manual for setup and operation.





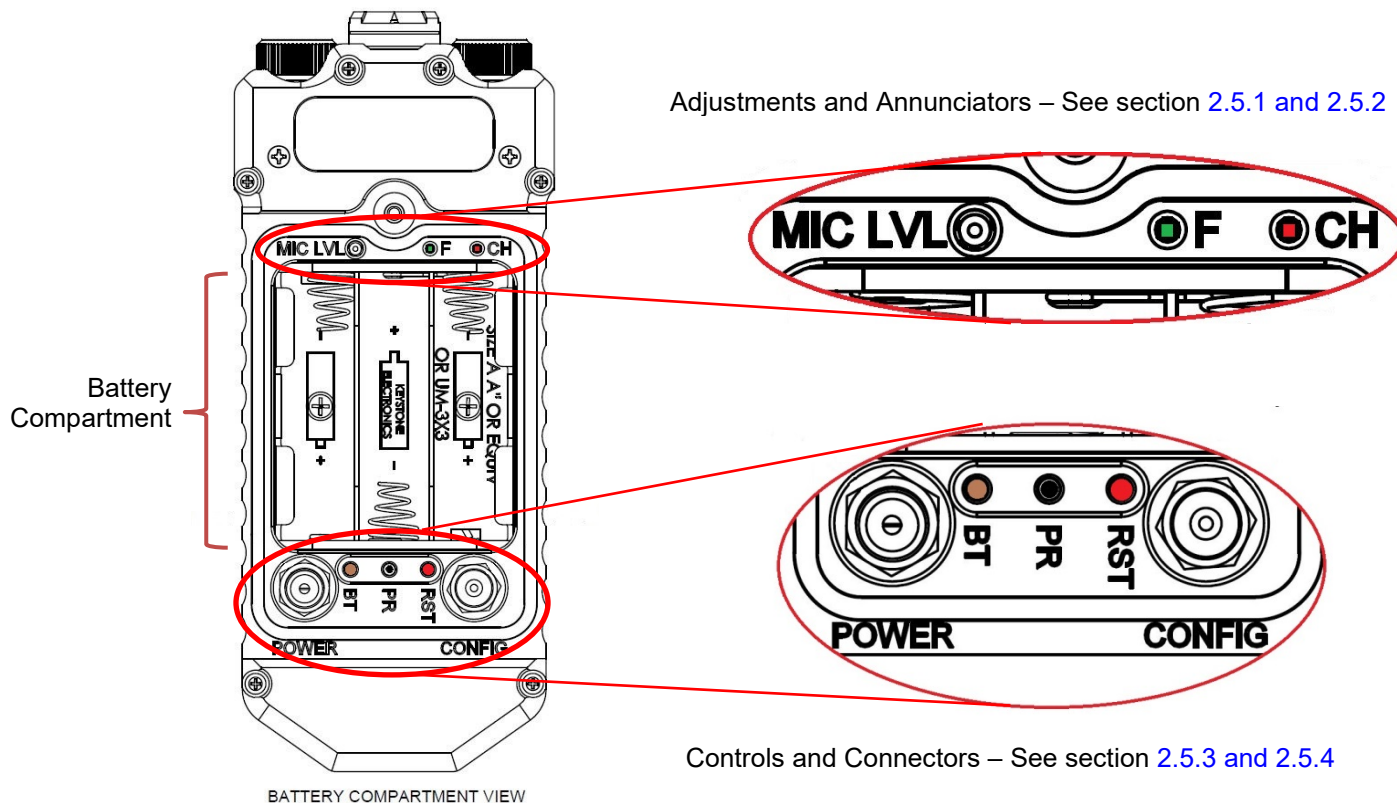
## 2.5 Adjustments and Configuration

The JB60-001 unit has internal mechanical adjustments.

To reveal the internal adjustments, annunciators and connectors, remove the battery cover by unfastening the thumbscrew on the rear of the unit and raising the top of the cover until it can be lifted clear of the retaining tabs.



**CAUTION:** To prevent potential damage or loss of function, the internal adjustments, controls and CONFIG port should only be used by qualified technical personnel. Contact your installing agency for any required changes.



### 2.5.1 Adjustments

The MIC INPUT signal may be adjusted from 0.2 to 0.8 Vrms by a mechanical trimpot marked **MIC LVL**. (Factory default 250 mVrms). Rotating the trimpot clockwise (cw) will increase the level, and rotating it counterclockwise (ccw) will reduce the level.

### 2.5.2 Annunciators

#### Battery Charge

The JB60-001 Battery Charge annunciators are two LEDs at the top right of the battery compartment.

The **Charging** annunciator (**CH**) is a red LED that will illuminate when the batteries are being charged at the maximum charge current.

The **Full Charge** annunciator (**F**) is a green LED that will illuminate when the batteries are fully charged.





### 2.5.3 Controls

These buttons are recessed to prevent accidental activation.



**CAUTION:** The Boot (**BT**) and Reset (**RST**) buttons are used for resetting the Factory settings of the wiJAC2 system, and should only be used by qualified technical personnel. Refer to [section 2.6](#) for use of the Pair (PR) button.



### 2.5.4 Connectors

#### **PWR** (Charging Port)

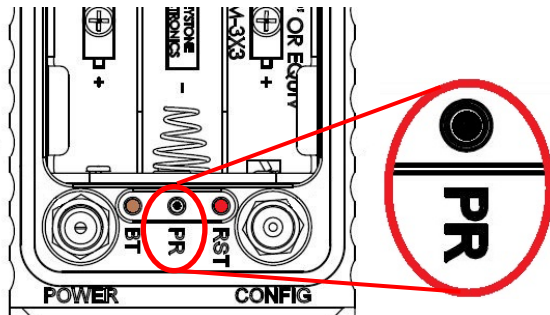
The Charging Port (marked **PWR**) is a 2.1 mm coaxial jack on the bottom left side of the battery compartment. To charge NiMH batteries, connect a USB (Universal Serial Bus) to Type M 2.1mm Plug (JAC P/N CAB-USB-0013) from the Charging Port to a USB power source.

#### **CONFIG** (Mode Select)

The Configuration Port (marked CONFIG) on the bottom right side of the battery compartment is for factory use only.

## 2.6 Pairing Process

The **wiJAC2-001** Wireless Intercom System consists of one JB69 Intercom Adapter, and one factory-paired JB60 Headset Adapter.



If either the JB60 or JB69 has been replaced, it will be necessary to re-pair the units. This may also be necessary if either of the units has undergone maintenance.

To locate the pair switch, the battery cover must be removed from the unit.

When the battery cover is removed, the pair switch (P) can be seen on the lower edge of the compartment.

### 2.6.1 Pairing

The JB60/JB69 pairing process is described in the following steps:

1. **Turn off the JB69 and previously paired JB60.**
2. **Turn on the JB69.**  
*The JB69 enters the standby mode (Power Annunciator blinks in sets of two or three flashes). If the Power Annunciator stays on continuously, the JB60 is still powered on and connected to the JB69. Turn off the JB60.*
3. **On the JB69, press and hold the Pair Switch (4 seconds) until the Power and Low Battery Annunciators start flashing rapidly (10 flashes /second). Release the Pair switch.**  
*The JB69 enters the pairing mode (Power Annunciator is flashing at a medium rate (5 flashes /second) and can now be paired with the JB60.*
4. **Turn on the JB60 to be paired with the JB69.**  
*The JB60 enters the standby mode (Power Annunciator blinks in sets of two or three flashes).*
5. **On the JB60, press and hold the Pair Switch (4 seconds) until the Power and Low Battery Annunciators start flashing rapidly (10 flashes /second). Release the Pair switch.**  
*The JB60 enters the pairing mode (Power Annunciator is now flashing at a medium rate (5 flashes /second) and will complete the pairing process automatically with the JB69.*

The JB60 and JB69 indicate they have completed the pairing process when the Power Annunciators are on continuously.



## **2.7**      **Installation Kit**

The Installation kit (Part # INST-JB6X – rechargeable batteries and a charging cable) is not provided with the system. It is used for both the JB60-001 and the paired Intercom adapter, and consists of the following:

<b><u>Quantity</u></b>	<b><u>Description</u></b>	<b><u>JAC Part #</u></b>
2	USB A Male to Type M 2.1mm Plug - 3ft Length, USB Connectors	CAB-USB-0013
2 Sets (6)	NiMH AA Rechargeable Batteries	MISC-BATT-AA2

## **2.8**      **Installation Drawings**

The drawings and documents required for Installation can be found in [Appendix A](#) of this manual.

## JB60-001 Wireless Aircraft Headset Adapter - N America

### SECTION 3 – OPERATION

#### 3.1 Introduction

The JB60-001 is a component of a **wiJAC2™** Wireless Aircraft Intercom System. Full system operating instructions are in the appropriate **wiJAC2™** Operating manual.

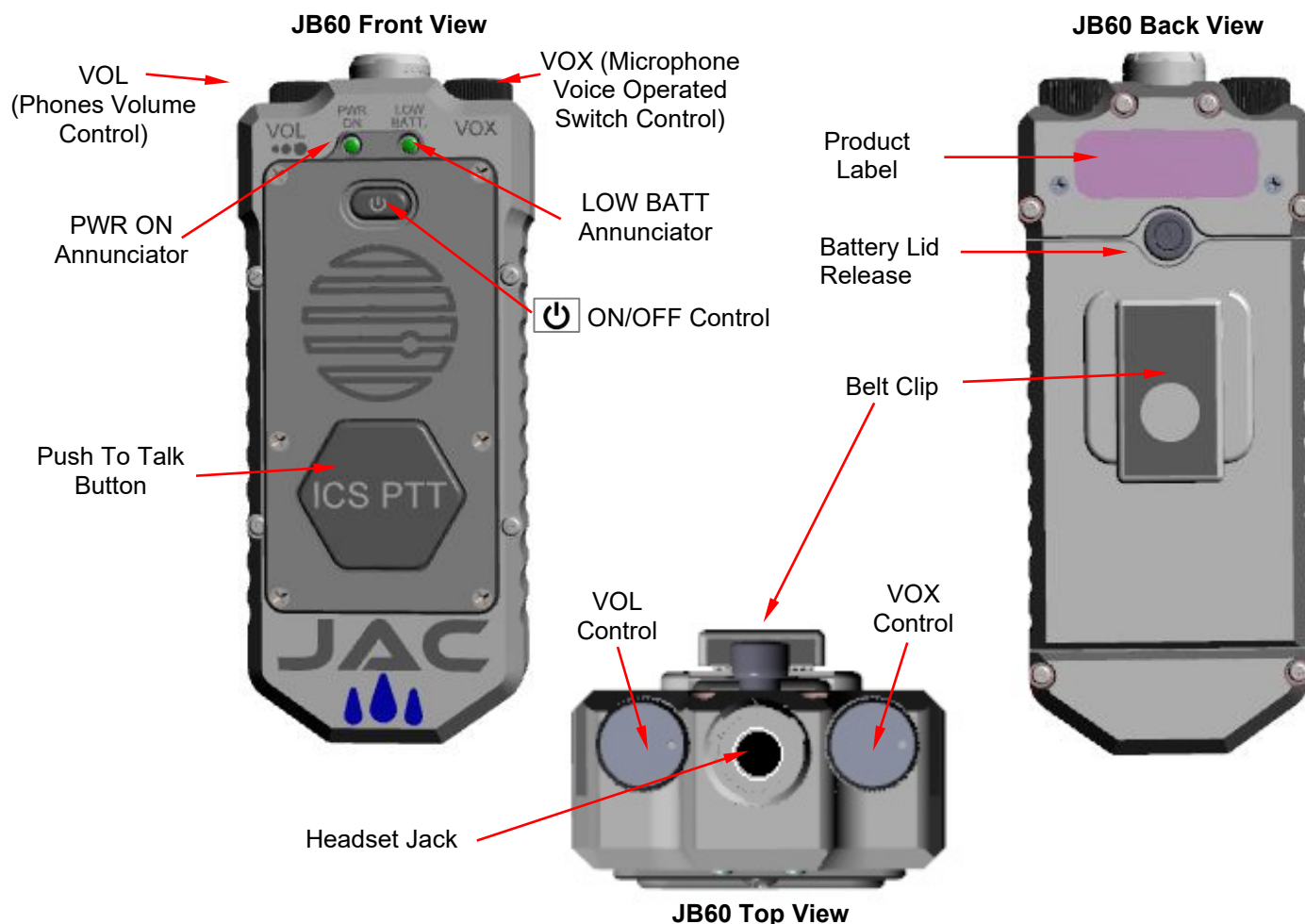
When paired with a suitable Intercom Adapter, the JB60-001 provides a wireless full-duplex audio link between the aircraft's intercom system and the user's headset with the ability to key ICS remotely.

The JB60-001 Headset Adapter connects to a standard high impedance aircraft headset, and features essential controls to ensure ease of operation (VOX and Volume control knobs, ICS PTT button, and an ON/OFF button). The paired intercom adapter connects to the aircraft audio panel.



**WARNING:** JAC recommends that no battery-operated device should be relied upon as the sole method of communication in cases where there is potential risk to life or limb.

#### 3.2 External Controls, Annunciators and Connectors




**Note:** The unit is shown in grey for clarity.



### 3.2.1 Controls

#### 3.2.1.1 (ON/OFF) Button

The ON/OFF control is a push button switch marked with the  symbol and is located at the centre top of the unit front. To turn the unit on, press the ON/OFF button once. The PWR ON annunciator will illuminate green, and the LOW BATT annunciator will illuminate for two seconds as the JB60 starts searching for a paired JB69.

To turn the unit off, press and hold the ON/OFF button for approximately 3 seconds. (The PWR ON annunciator will turn off and the LOW BATT annunciator will illuminate red and then turn off as the JB60 turns off, or when the ON/OFF button is released.)

#### 3.2.1.2 **VOX** (Voice Operated Switch)

The Voice Operated Switch control is a rotary knob marked VOX located on the top right of the JB60-001 Headset Adapter. To reduce the level of the sound needed to route the microphone audio to the Intercom Adapter, turn the VOX knob counterclockwise (ccw). To increase the level of the sound needed to route the microphone audio to the Intercom Adapter, turn the VOX knob clockwise (cw). When the control is at the detent in the fully cw position, the unit will be in PTT ICS mode. Adjust this setting for proper VOX operation as ambient noise levels change.

#### 3.2.1.3 **VOL** (Phones Volume Control)



---

**WARNING: Loud noise can cause hearing damage. Before using the headset, set the volume to minimum, and then slowly increase it to a comfortable listening level.**

---

The volume control is a rotary knob marked VOL (volume) located on the top left of the JB60-001 Headset Adapter. To reduce the volume of the audio heard in the headset rotate the VOL knob counterclockwise. To increase the volume of the audio heard in the headset rotate the VOL knob clockwise.

#### 3.2.1.4 **ICS PTT** (Push To Talk) Button

The intercom Push To Talk button is a hexagonal push button switch marked ICS PTT located on the upper front of the JB60-001 Headset Adapter. When the ICS PTT button is pressed and held, the VOX threshold is overridden, microphone audio is routed to the paired Intercom Adapter, and the ICS Key output is also activated.

### 3.2.2 Connectors

#### 3.2.2.1 Headset Jack

The headset jack is a 6 pin Lemo jack on the top of the JB60-001 headset adapter. An appropriate mating headset connector can be inserted directly into the jack

### 3.2.3 Annunciators

#### 3.2.3.1 **PWR ON** (Power On)

The power on (PWR ON) annunciator is a green LED located on the front left of the unit.

- When a unit is turned on, the PWR ON annunciator will illuminate for 2 seconds, and the unit will start to search for its paired unit.
- While the unit is searching for its paired unit the PWR ON annunciator will triple-flash every 1.5 seconds.
- When the unit is connecting to its paired unit, the annunciator will double-flash every 1.5 s until connection is established,
- After connection, the annunciator will illuminate steady green until the unit is turned off.

#### 3.2.3.2 **LOW BATT** (Low Battery Warning)

The low battery (LOW BATT) warning annunciator is a red LED located on the front right of the unit. When the unit is turned on, the LOW BATT annunciator will illuminate for 2 seconds.



When the JB60 battery voltage is low the LOW BATT annunciator will flash once every 1.5 s and output a low battery notification (a triple beep) in the headphones once every minute until the battery charge reaches critical voltage level. (A similar but higher pitched tone will be heard if the paired JB69 Intercom Adapter battery charge is low.)



---

**Note:** JAC recommends that the batteries should be charged or replaced immediately if the LOW BATT warning illuminates during use.

---

When the unit battery charge is less than or equal to the critical battery voltage, the unit will turn off.

### 3.2.4 Other

#### 3.2.4.1 Battery Lid Release

The battery lid release is a captive thumbscrew on the back of the unit (see [section 3.3.](#))

#### 3.2.4.2 Belt Clip

The belt clip is on the rear of the JB60-001 Headset Adapter.

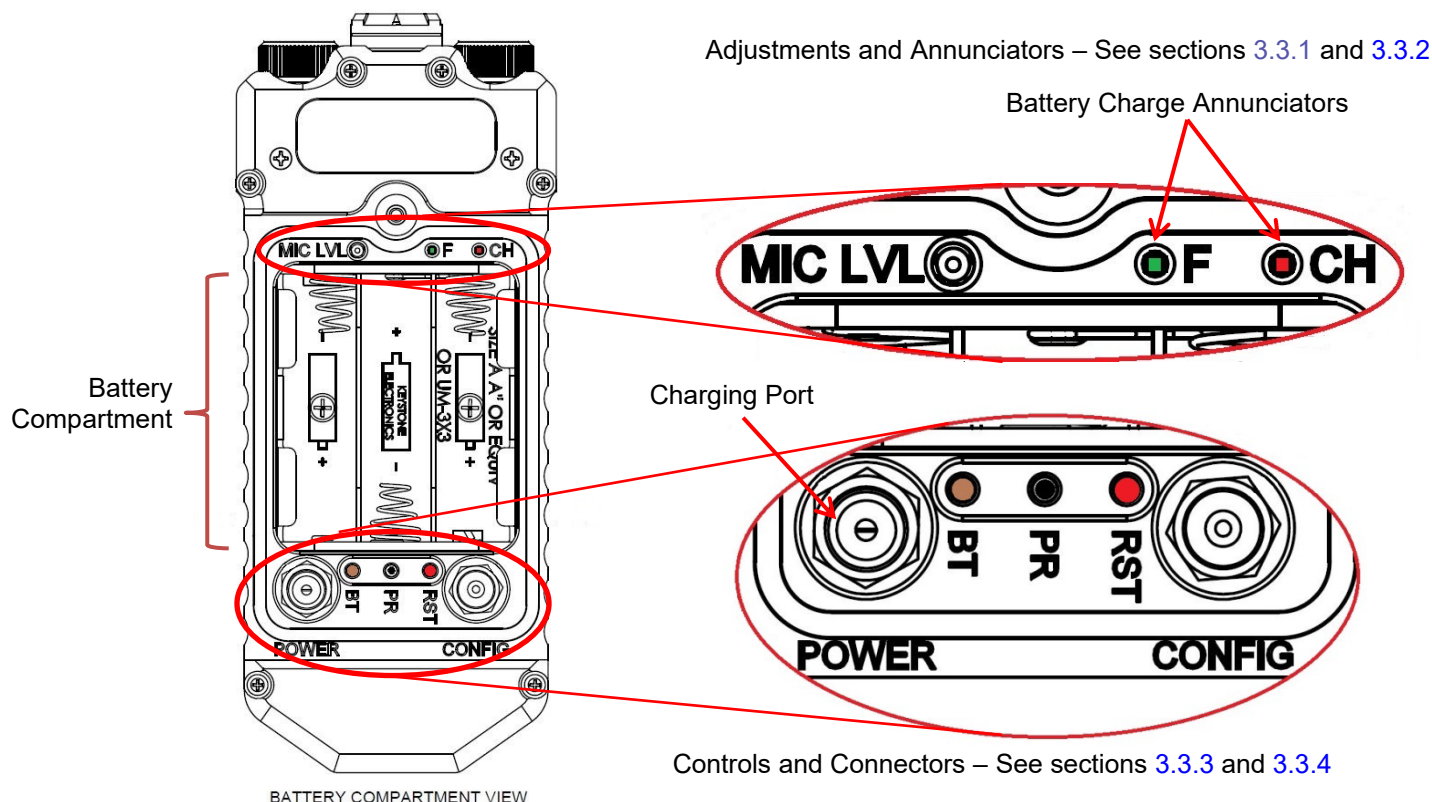


### 3.3 Internal Adjustments, Annunciators and Connectors

To reveal the internal adjustments, annunciators and connectors, remove the battery cover by unfastening the thumbscrew on the rear of the unit and raising the top of the cover until it can be lifted clear of the retaining tabs.



**CAUTION:** To prevent potential damage or loss of function, the internal adjustments, controls and CONFIG port (*information italicized*) should **only** be used by qualified technical personnel. Contact your installing agency for any required changes.



#### 3.3.1 Adjustments

The MIC INPUT signal (**MIC LVL**) should only be adjusted by qualified technical personnel.

#### 3.3.2 Annunciators

##### 3.3.2.1 Battery Charge

The JB60-001 Battery Charge annunciators are two LEDs at the top right of the battery compartment.

The Charging annunciator (**CH**) is a red LED that will illuminate when the batteries are being charged at the maximum charge current.

The Full Charge (**F**) annunciator is a green LED that will illuminate when the batteries are fully charged.

#### 3.3.3 Controls

These buttons are recessed to prevent accidental activation. The Boot (**BT**) and Reset (**RST**) buttons should only be activated by qualified technical personnel.





### 3.3.4 Connectors

#### 3.3.4.1 PWR (Charging Port)

The Charging Port (marked **PWR**) is a 2.1 mm coaxial jack on the bottom left side of the battery compartment. To charge NiMH batteries, connect a USB (Universal Serial Bus) to Micro USB cable from the Charging Port to a USB power source.

#### 3.3.4.2 CONFIG (Mode Select)

The Configuration Port (marked CONFIG) on the bottom right side of the battery compartment is for factory use only.

## 3.4 Batteries

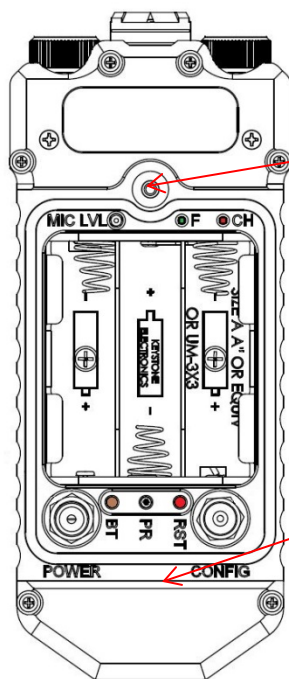


**WARNING:** Charging battery types other than NiMH or NiCad may cause the batteries to leak or explode and cause damage or injury. If non-NiMH or non-NiCad batteries are installed, do not connect the Charging Port to a USB power source.

The JB60-001 requires three AA batteries. JAC recommends Duracell 2000 mAh (or higher) NiMH or Duracell alkaline batteries for use in the **wiJAC2™** system to obtain the typical battery life.

Removal of the batteries WILL NOT change any internal configuration of the unit.

#### 3.4.1 Inserting or Replacing the Batteries



BATTERY COMPARTMENT VIEW

Battery Lid Release

To replace the batteries, remove the battery cover by unfastening the battery lid thumbscrew to release the upper end of the cover, and then gently lift the lid up and away from the body to release the two retaining tabs from the slots.

Remove the batteries and insert new or fully charged batteries, matching the polarity marked on the battery holder.

Retaining tabs

#### 3.4.2 Charging Batteries in the Unit

To charge rechargeable batteries in the unit, connect the Charging Port to a USB power source using the USB to 2.1 mm male cable (CAB-USB-0013). If turned on during charging, the unit draws its power from the charging source, not the batteries, but battery charging will take longer. When charging is complete, the 'Full' annunciator (**F**) will illuminate green.

It should be possible to charge the unit via most USB power sources but this cannot be guaranteed for any products not made by or purchased from JAC.



**Note:** The batteries will charge whether the JB60-001 is switched on or switched off. Battery charging will take longer if the unit is switched on.



### 3.4.3 Charging Operation – via Battery Charger

The batteries may be removed from the unit for charging in a separate battery charger. Removal of the batteries WILL NOT change any internal configuration of the unit.



---

**Note:** The JB60-001 will only charge the batteries when the internal temperature is within 0 to 40 °C

---

### 3.4.4 Battery Cautions and Warnings



---

**CAUTION:** Follow these guidelines to prolong battery life and minimize the risk of unit malfunction.

---

- ⚠ Do not leave battery uncharged for long periods of time.
- ⚠ Do not leave battery charging for extended periods (more than 48 hours)
- ⚠ To ensure that the unit functions correctly, insert the new batteries with the positive and negative poles aligned as indicated in the battery compartment.
- ⚠ When replacing the batteries, use only new or fully charged batteries.
- ⚠ Do not mix old and new batteries as this can cause battery leakage and/or damage to the unit.
- ⚠ Do not mix battery types.



---

**WARNING:** Follow these guidelines to prolong battery life, and minimize the risk of fire, chemical burns, electrolyte leaks and/or injury.

---

- ❗ **FOLLOW** the manufacturer's instructions for care and disposal of batteries.
- ❗ **DO NOT** use sharp objects to remove the batteries.
- ❗ **DO NOT** disassemble, puncture, burn or in any other way damage the batteries.
- ❗ **DO NOT** let children handle the batteries.
- ❗ **USE ONLY** approved battery chargers.
- ❗ **USE ONLY** approved replacement batteries.



### **3.5 Compliance Statements**

#### **3.5.1 FCC compliance statement**

This device complies with Part 15 of the FCC Rules for only portable part.

Contains transmitter module IC: 9576A-SC14S. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Module transmetteur ID IC: 9576A-SC14S. Son fonctionnement est soumis aux deux conditions suivantes:

- (1) cet appareil ne doit pas causer d'interférences nuisibles et
- (2) l'appareil doit accepter toute interférence reçue y compris les interférences peuvent perturber le fonctionnement.

#### **3.5.2 Industry Canada compliance statement**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNH d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

# Installation and Operating Manual

## Appendix A - Installation Drawings

### **A1**      **Introduction**

The drawings necessary for installation and troubleshooting of the JB60-001 Wireless Aircraft Headset Adapter are in this Appendix, as listed below.

### **A2**      **Installation Drawings**

DOCUMENT	Rev
<a href="#">JB60-001 Connector Map</a>	<a href="#">A</a>
<a href="#">JB60-001 Interconnect</a>	<a href="#">A</a>
<a href="#">JB60-001 Mechanical</a>	<a href="#">B</a>

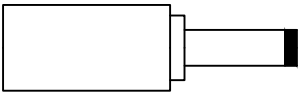
P1

ACCEPTS THE FOLLOWING PLUG FORMAT


MATING PLUG NAMES

UNIT SIGNAL NAMES

2 POLE MALE 2.1mm POWER PLUG



TIP: +5VDC  
RING: GROUND

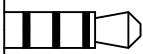
PREPARED	KV	 <b>JUPITER AVIONICS</b> CORPORATION		
CHECKED	JAC 06-01-20 SDB			
APPROVED		TITLE Wireless Aircraft Headset Adapter P1 Connector Map		
		NCAGE CODE L00N3	PART NO. JB60-001	SHEET 1/3
CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		DOC NO. JB60-001 Connector Map Rev A		

Configuration Connector

P2

ACCEPTS THE FOLLOWING PLUG FORMATS

JA99 CONFIGURATION CABLE  
4 POLE MALE 3.5MM STEREO




MATING PLUG NAMES

TIP: TX DATA  
1ST RING: RX DATA  
2ND RING: GROUND  
3RD RING: CONFIG AUDIO

UNIT SIGNAL NAMES

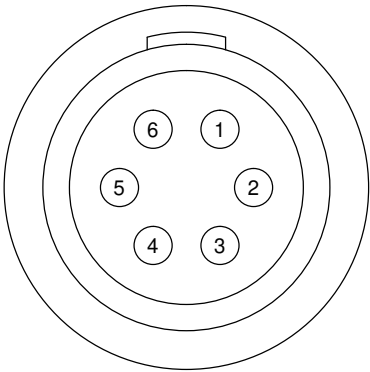
Configuration Data to JB68  
Configuration Data from JB68  
Ground  
Mode Select

PREPARED	KV	 <b>JUPITER AVIONICS</b> CORPORATION		
CHECKED	JAC 06-01-20 SDB			
APPROVED		TITLE Wireless Aircraft Headset Adapter P2 Connector Map		
		NCAGE CODE L00N3	PART NO. JB60-001	SHEET 2/3
CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		DOC NO. JB60-001 Connector Map Rev A		





Headset Connector

P3  
6 PIN LEMO PLUG  
MATING CONNECTOR

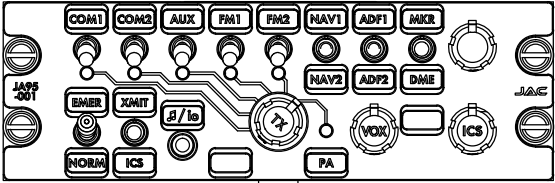


View is from front of mating connector

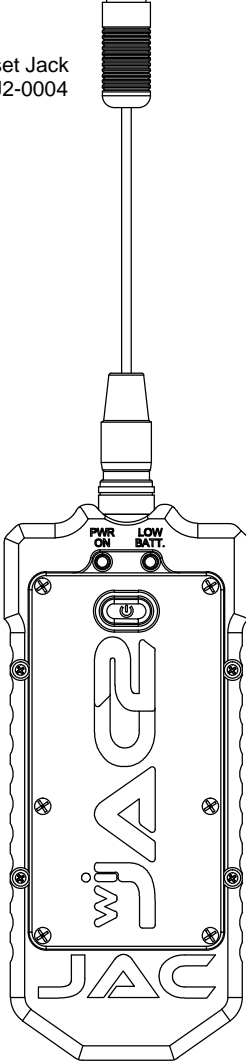
Pin #	Description
Pin 1	POWER OUTPUT
Pin 2	POWER GROUND
Pin 3	PHONES OUTPUT
Pin 4	PHONES OUTPUT
Pin 5	MICROPHONE INPUT HI
Pin 6	MICROPHONE INPUT LO

PREPARED	KV	 <b>JUPITER AVIONICS</b> CORPORATION		
CHECKED				
APPROVED		TITLE Wireless Aircraft Headset Adapter P3 Connector Map		
		NCAGE CODE L00N3	PART NO. JB60-001	SHEET 3/3
CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		DOC NO. JB60-001 Connector Map Rev A		

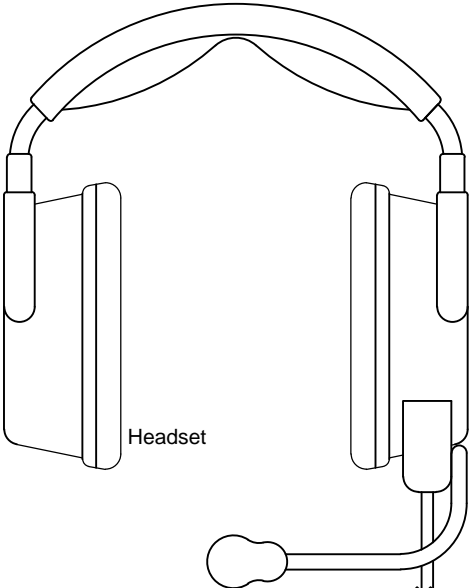
Aircraft Intercom System  
(JA95-001 Shown)



User Headset Jack  
JAC P/N CAB-WJ2-0004

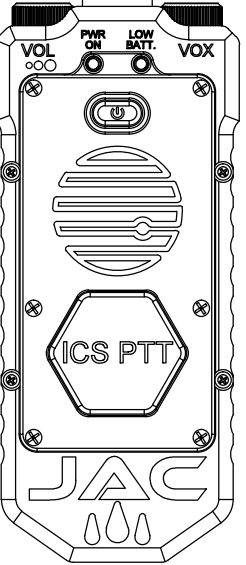



JB69-001  
Wireless Aircraft  
Intercom Adapter with TX PTT

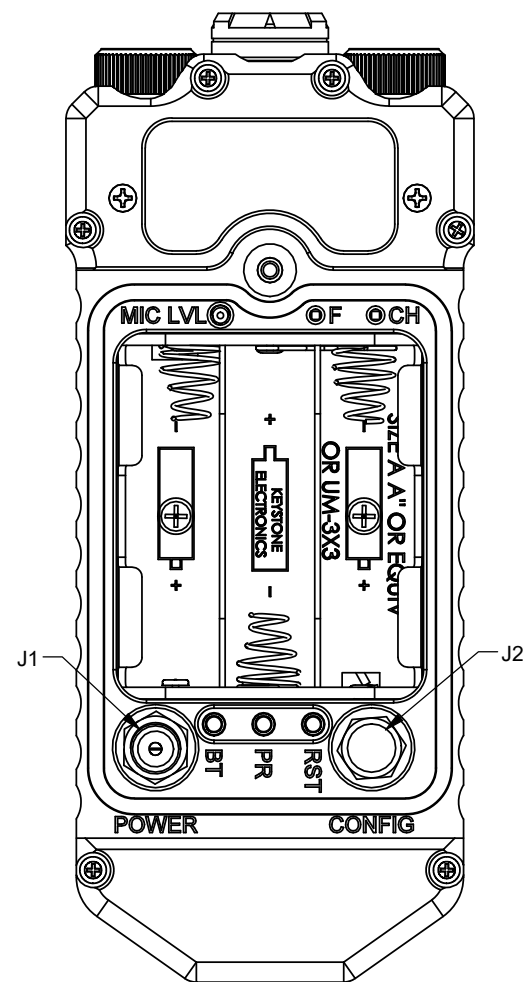
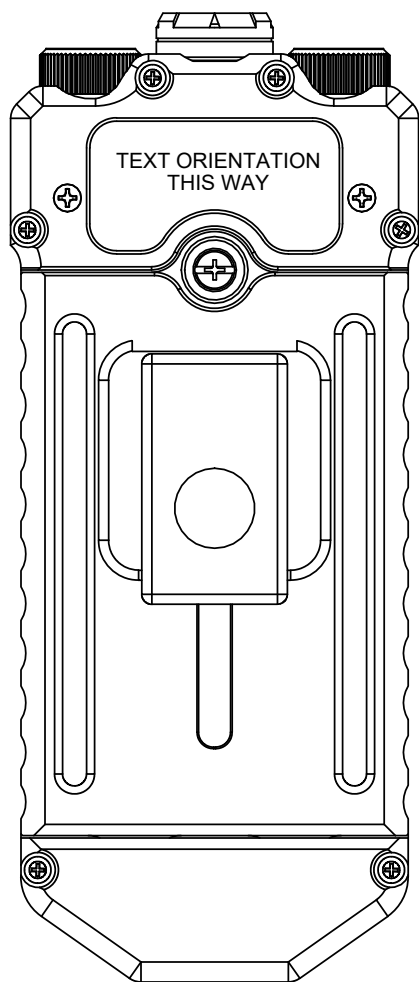
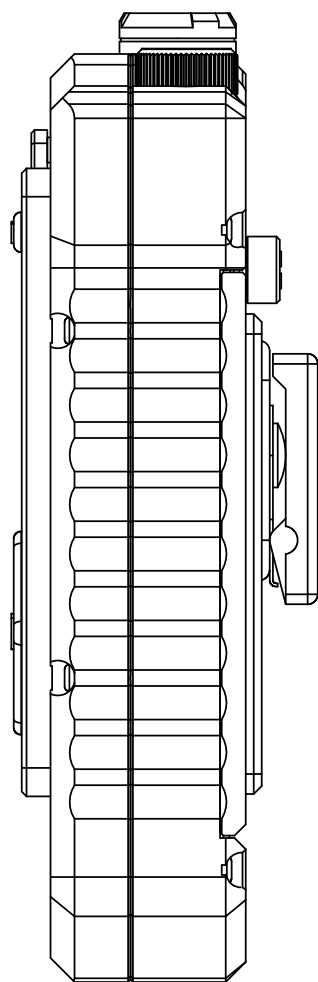
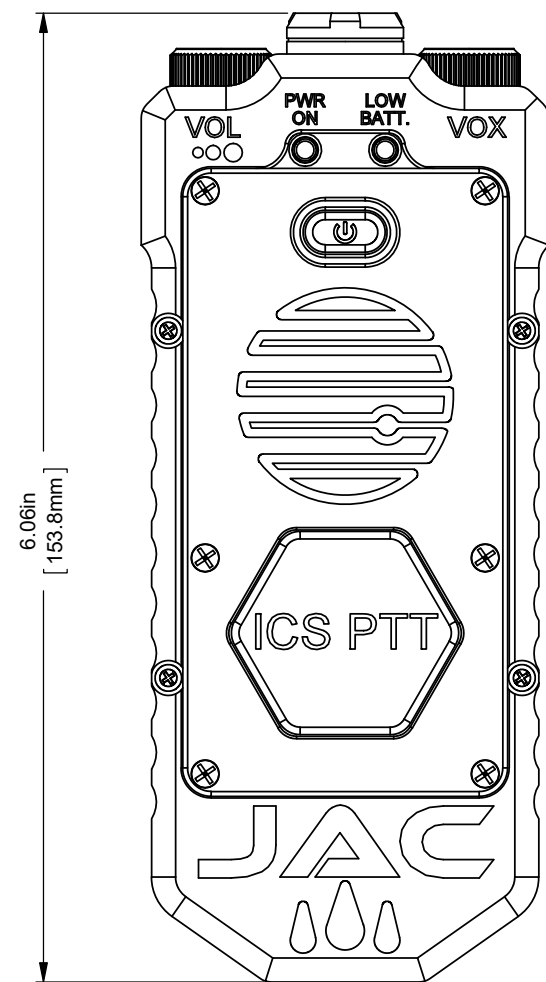
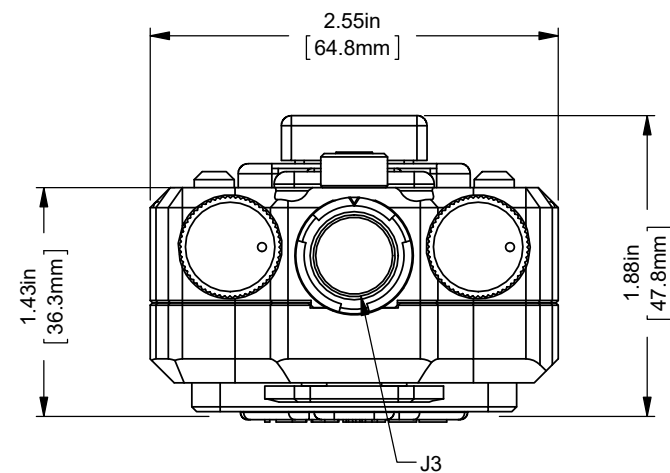


JAC P/N CAB-HSET-0001

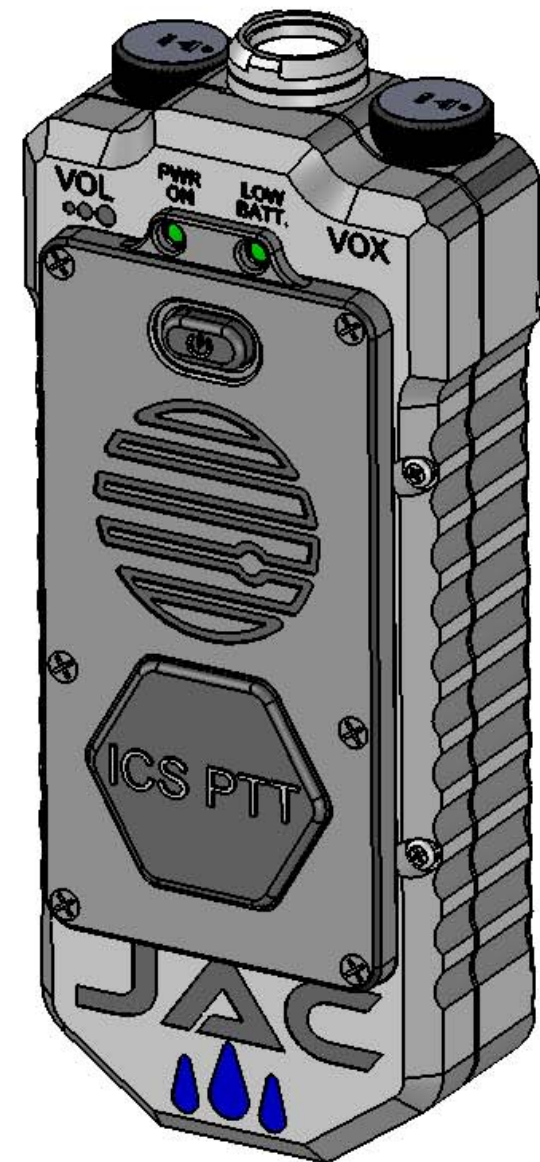
JB60-001  
Wireless Aircraft  
Headset Adapter



PREPARED	TAT			
CHECKED	JAC 07-06-20 SDB			
APPROVED	JAC 07-06-20 KDV	TITLE Wireless Aircraft Headset Adapter		
CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		NCAGE CODE L00N3	PART NO. JB60-001	SHEET 1/1
		DOC NO. JB60-001 Interconnect Rev A.dwg		



BATTERY COMPARTMENT VIEW



- Notes:
- All dimensions 0.02in [0.5mm] unless otherwise specified.
  - Weight: 0.79 lbs [0.36 kg] MAX. with batteries.

<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ARE IN DEGREES TOLERANCES: 1 DEC PLACE: ± 0.1 2 DEC PLACE: ± 0.01 3 DEC PLACE: ± 0.005 ANGLES: ± 0.5 DEG</div> <div></div> <div>MATERIAL: N/A FINISH: N/A</div>	PREPARED	TAT	<div></div> <div>TITLE Wireless Aircraft Headset Adapter - N America</div>		
	CHECKED				
	APPROVED		NCAGE CODE L00N3	PART NO. JB60-001	SHEET 1/1
	CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP. DRAWING NOT TO SCALE		DOC. NO. JB60-001 Mechanical Rev A.SLDDRW		