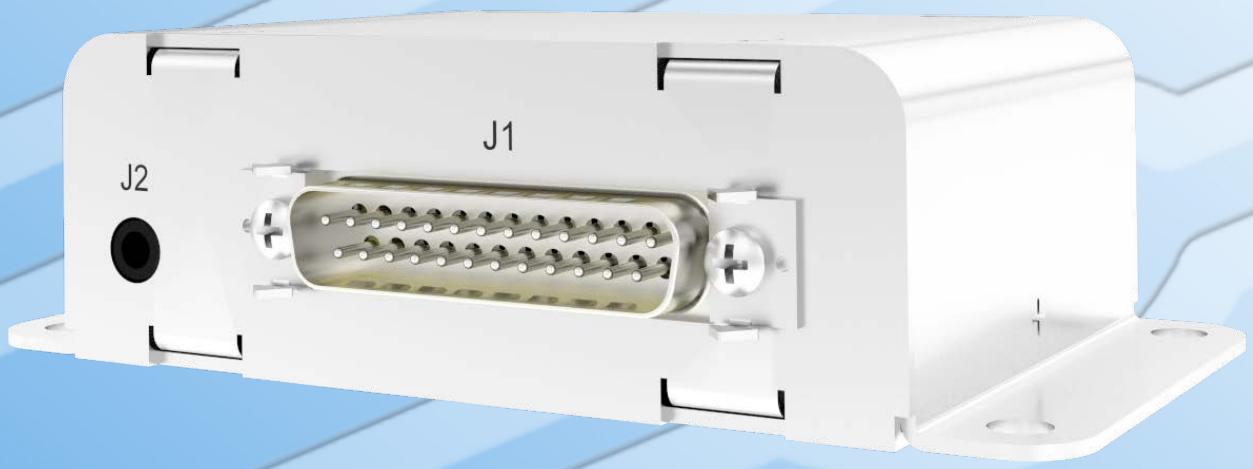
JA34-805

Low Impedance Intercom Adapter - Remote Mount



Installation and Operating Manual

Rev. A

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www.jupiteravionics.com

RECORD OF REVISIONS			
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SECTION 1 - DESCRIPTION

1.1 System Overview

The JA34-805 Low Impedance Intercom Adapter - Remote Mount allows one high impedance headset to be used with a low impedance intercom. The JA34-805 provides fully isolated audio signal paths to and from the intercom to allow a noise free installation.

The JA34-805 is setup on a 'per installation' basis using cable CAB-USB-0002 and the JA99-001 Configuration Cable, or cable CAB-USB-0006, and downloading the system configuration settings from a PC into non-volatile control devices.

1.2 Features Overview

All internal settings are quickly adjusted using the proprietary ProCS™ (**Pro**duct **C**onfiguration **S**oftware).

Two Configuration ports are provided for configuration loading; one is beside the main connector and one is on the back of the unit.

All audio outputs are balanced.

The JA34-805 provides microphone voltage biasing.

1.3 Inputs and Outputs

Refer to the JA34-805 connector map for the mating connector designators and contact assignments for the input and output signals.

1.3.1 Inputs

Name	Qty	Type
CONFIG DATA TO JA34	1	Data signal
MODE SELECT TO JA34	1	Discrete signal
PHONES INPUT	1	Audio signal
MIC INPUT	1	Audio signal
+28 VDC POWER	1	Electrical power input
POWER GROUND	1	Power supply
RELAY KEY INPUT	1	Discrete signal

1.3.2 Outputs

Name	Qty	Type
CONFIG DATA FROM JA34-805	1	Data signal
PHONES OUT	1	Audio signal
MIC OUTPUT	1	Audio signal
RELAY CONTACTS	6	Audio signal

1.4 Specifications

1.4.1 Electrical Specifications

Power Input

Nominal voltage	28 Vdc
Maximum voltage	30.3 Vdc
Minimum voltage	22.0 Vdc
Emergency voltage	18.0 Vdc
Input current	0.5 A max

1.4.1.1 Audio Performance

Rated Input Level

Phones audio rated input level	3.10 Vrms ± 10%
Microphone input level	250 mVrms ± 10%

Rated Output Power

Phones output power	3.85 Vrms ± 10%
Microphone rated output	250 uVrms ± 10%

Audio Frequency Response

Phones output audio frequency response	≤ 3dB from 300 to 6000 Hz
Microphone audio output audio frequency response	≤ 3dB from 300 to 6000 Hz

Distortion Characteristics

Audio output distortion at rated power	≤ 10%

Input Impedance

Microphone input impedance	150 Ω ± 10%
Phones input impedance	10 Ω ± 20%

Output Load

Phones load	150 Ω ± 10%
Microphone load	5 Ω ± 20%

Input to Output Crosstalk and Bleed-through Level

Mic input to Phone output crosstalk	≤ 55 dB

Input to Input Crosstalk Level

Input to Input crosstalk	≤ 60 dB

Audio Noise Level without Signal

Phones Noise level below the rated output	≥ 60 dB
Mic Noise level below the rated output	≥ 40 dB

1.4.1.2 Audio Performance, Other

MIC input designed for MIC type	amplified dynamic/electret
MIC input bias voltage	12 Vdc ±10%
PHONES input circuitry type	Transformer Coupled
PHONES output circuitry type	Transformer Coupled
MIC output circuitry type	Transformer Coupled

1.4.1.3 Discrete Signals

RELAY KEY INPUT, active signal level	≤ +3 Vdc
RELAY KEY INPUT, inactive signal level	≥ +10 Vdc
Relay contacts shall pass	≤ 1 ADC @ ≤ 30 V, Resistive Load

1.4.2 Mechanical Specifications

Height		1.27 in [32.3 mm] maximum
Depth		2.61 in [66.3 mm] maximum
Width		4.52 in [114.8 mm] maximum
Weight		0.38 lb [0.17 kg] maximum
Material		brushed aluminum with conversion coating
Connectors (3):	J2, J3 J1	Two 4 pole 3.5mm jack One 25-pin D-Sub male V5 locking
Mounting		4 x 10-32 fasteners
Bonding		≤ 2.5 mΩ
Installation kit part number		INST-JA34

1.4.3 Configuration Connector

The JA34-805 configuration connector communication standard for CONFIG DATA TO JA34 data input signal and CONFIG DATA FROM JA34 data output signal is RS-232.

1.4.4 Product Configuration Software Version

Configuration of the JA34-805 requires the Product Configuration Software (ProCS) version v0.51.0 or later. Refer to the release notes from http://www.jupiteravionics.com/productsoftware.php or contact Jupiter Avionics to ensure the correct version is used.

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 JA34-805 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 shipping damage and report any problems to the relevant carrier. Confirm that the Certificate of Conformance is included. Complete the on-line warranty card from the Jupiter Avionics Corporation (JAC) website – www.jupiteravionics.com.

2.3.1 Warranty

This product manufactured by JAC is warranted to be free of defects in workmanship or performance for 2 years from the date of installation by 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, or unauthorized alteration or repairs.

THIS WARRANTY IS VOID IF THE PRODUCT IS NOT INSTALLED BY AN AUTHORIZED JAC DEALER. If the on-line warranty card is not completed, the product will be warranted from the date of manufacture.

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.

2.4 Installation Procedures

WARNING**: Loud noise can cause hearing damage. Set the headset volume to minimum before conducting tests, and slowly increase the volume to a comfortable listening level.**

CAUTION**:** The power input circuitry of the unit may be damaged if the installation does not conform to the wiring instructions in this manual.

2.4.1 Cabling and Wiring

All wire shall be selected in accordance with the original aircraft manufacturer's maintenance instructions, or AC43.13-1B Change 1, Paragraphs 11-76 through 11-78. Unshielded wire types shall qualify to MIL-W-22759 as specified in AC43.13-1B Change 1, Paragraphs 11-85, 11-86, and listed in Table 11-11. For shielded wire applications, use Tefzel MIL-C-27500 shielded wire with tag ring or equivalent (for shield terminations) to make the most compact and easily terminated interconnect. Follow the Connector Map in Appendix A of this manual.

Allow 3" from the end of the shielded wiring to the shield termination to allow the connector hood to be easily installed. Refer to the Interconnect drawing in Appendix A of this manual for shield termination details. Note that this unit has a 'clamshell' hood that is installed after the wiring is complete.

Maintain wire segregation and route wiring in accordance with the original aircraft manufacturer's maintenance instructions.

Unless otherwise noted, all wiring shall be a minimum of 24 AWG, except power and ground lines, which shall be a minimum of 22 AWG. Refer to the Interconnect drawing for additional specifications. Check that the ground connection is clean and well secured, and that it shares no path with any electrically noisy aircraft accessories such as blowers, turn-and-bank instruments, or similar loads.

2.4.2 Mechanical Installation

The JA34-805 can be mounted in any attitude and location with adequate space and sufficient clearance for the connector and wiring harness. It requires no direct cooling.

2.4.3 Post Installation Checks

2.4.3.1 Voltage/Resistance checks.

Do not attach this unit until the following conditions are met:

a) Check P1 pin **1** for +28 Vdc power.
b) Check P1 pin **14** (Power Ground) for continuity to ground (less than 0.5 Ω).
c) Check P1 pin **15** (Chassis Ground) for continuity to ground (less than 0.5 Ω).
d) Check P1 pins **8**, **20, 21** and **23** (Output Ground) for continuity to ground (less than 0.5 Ω).
e) Check all pins for shorts to ground or adjacent pins.

2.4.3.2 Configuration

Ensure that the JA34-805 contains the correct configuration settings. This may be done at the factory, on the maintenance bench or in the aircraft before the power on checks are performed. Refer to section 2.5.

2.4.3.3 Power on Checks.

Power up the aircraft's systems and confirm normal operation of all functions of the JA34-805 (see section 2.4.5).

a) Begin with only the pilot's headset attached. Confirm radio operation for both receive and transmit. Check the radio selection and inputs. Do not proceed until the radios are functioning correctly.

b) Unusual buzzes, hums or other background audio are symptomatic of multiple grounds, or noisy external systems such as blowers or pumps sharing wiring with the audio system. If a transmitter fails to key or correctly modulate it is often the result of not connecting all required grounds to the radio or external audio system.

c) Check that all configurations settings are correct.

When all performance checks are satisfied, complete the necessary regulatory documentation before releasing the aircraft for service. Refer to Appendix B.

2.5 System Operation

The JA34-805 is a remote mount unit and has no user accessible controls.

2.5.1 Configuration Operation

The JA34-805 accepts commands on the Configuration connector via the configuration cable and the configuration tool (ProCs™). (See section 2.6 Adjustments and Configuration Using ProCS™).

2.5.2 PHONES Operation

The PHONES INPUT is level controlled and routed to the PHONES OUTPUT.

2.5.3 Relay Operation

The RELAY KEY INPUT selects the connection of both of the relay common contacts to either their normally closed contact or their normally open contact.

2.5.4 Microphone Operation

The MIC INPUT audio is level controlled and routed to the MIC OUTPUT.

2.6 Adjustments and Configuration using ProCS™

All the JA34-805 internal adjustments are set from the Product Configuration Software ProCS™. Configuration data is sent to the JA34-805 via the configuration connector (J2 or J3), using the Configuration Cables and a computer running the ProCS™ software. For configuration requirements, see section 2.6.1.

For full information on the configuration process, and for installation of ProCS™ on your computer, refer to the ProCS™ manual on the Jupiter Avionics website - www.jupiteravionics.com/productsoftware.

2.6.1 Configuration Cabling Requirements

To configure the JA34-805, it is necessary to load the Product Configuration Software ProCS™ onto a Windows-based computer as described in the ProCS™ manual.

The cables required to configure the JA34-805 are not included with the unit.

Cabling option 1:

Quantity	Description	JAC Part #
1	USB A to RS232 9-Pin Cable	CAB-USB-0002
1	Configuration Cable	JA99-001

Cabling option 2:

Quantity	Description	JAC Part #
1	USB A Male to RS232 3.5mm Plug	CAB-USB-0006

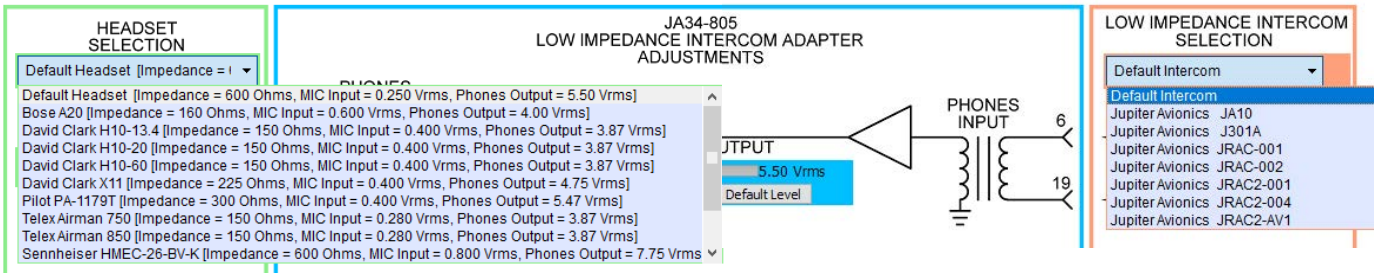
2.6.2 ProCS™ Setup

The JA34-805 menu items 'ProCS Setup' provide Setup drawings showing the cabling arrangement for connecting the JA34-805 to a computer to allow configuration using ProCS™.

2.6.3 Configurable Settings

A standard unit is shipped from the factory with all internal adjustments configured to the default levels shown in bold on the JA34-805 Settings page. At installation, it may be desirable to change some of these settings to suit the local operating environment.

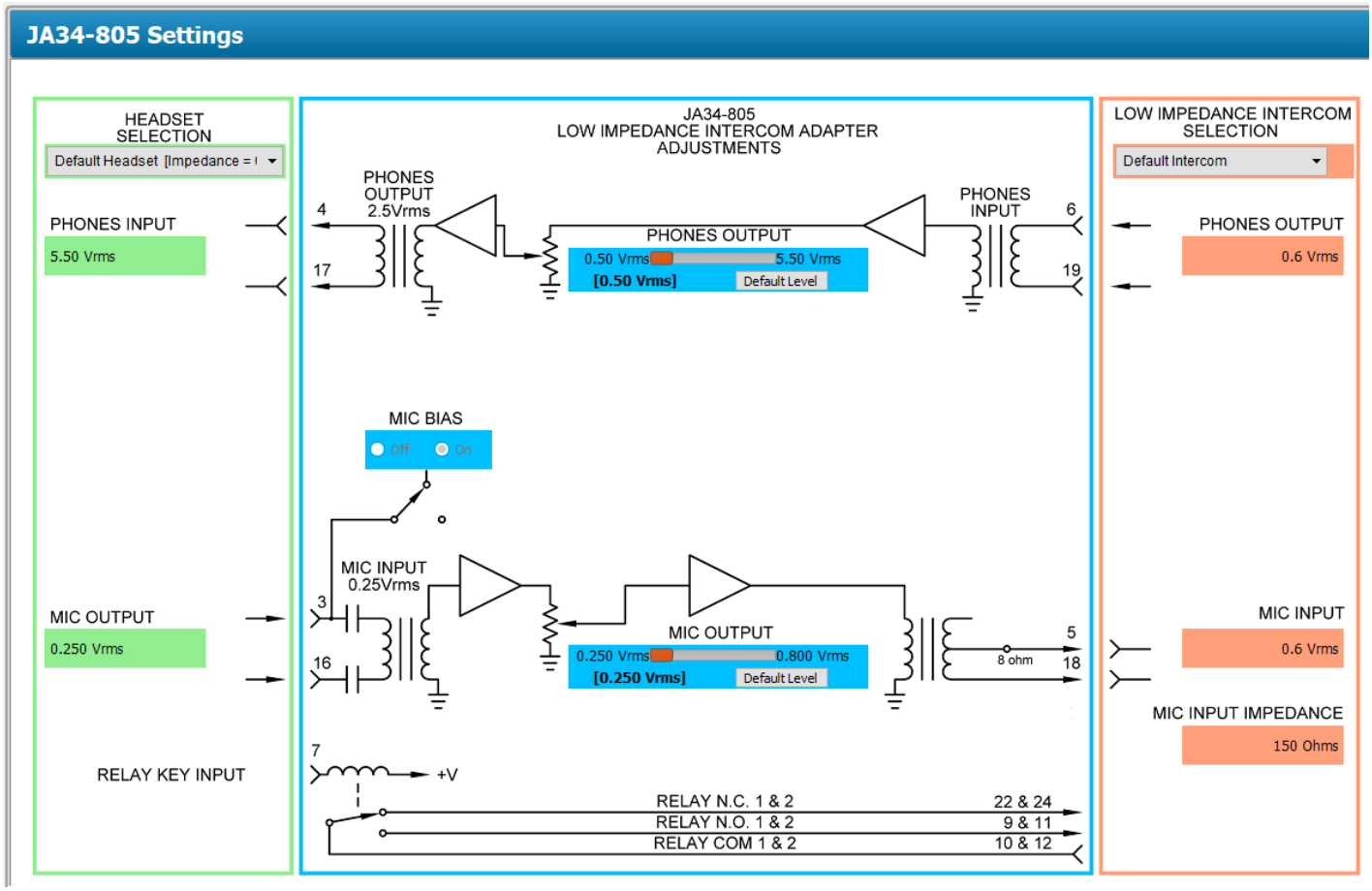
The Headset Selection and Intercom Selection choices are made from drop-down boxes as shown. For further information, refer to sections 2.6.4.1 and 2.6.4.3. All input, output, MIC bias information etc. is automatically added to suit the selected equipment.



The required equipment can be selected from the dropdown boxes at the top of the ‘Headset' and ‘Intercom' sections. New equipment may be added (see sections 2.6.5 and 2.6.6 below).

2.6.4 JA34-805 Settings

The **Settings** window is divided into three sections: the Aircraft Audio System; the Low Impedance Intercom Adapter - Remote Mount; and the Non-Aircraft Radio. Each section is colour-coded to keep the relevant information together.



2.6.4.1 Headset Selection (Green block)

The appropriate Headset is selected from a drop-down list at the top of the block, and all relevant configuration information is added automatically. Other Headsets can be added to the list (see section 2.6.5).

2.6.4.2 JA34-805 Low Impedance Intercom Adapter Adjustments (Blue block)

The blue block refers to the adjustments and settings for the JA34-805 Low Impedance Intercom Adapter..

Phones Output

The level of the RECEIVE INPUT can be adjusted from 0.50 to 5.50 Vrms. (Default **0.50 Vrms**)

Mic Bias

The MIC Bias may be On or Off. (Default **On**)

Mic Output

The level of the MIC OUTPUT signal may be adjusted from 0.250 to 0.800 Vrms. (Default **0.250 Vrms**)

2.6.4.3 Intercom Selection (Orange block)

The appropriate Intercom is selected from a drop-down list at the top of the block, and all relevant configuration information is added automatically. Other Intercoms can be added to the list (see section 2.6.6).

2.6.5 Headsets List

This is a list of Headsets, and shows the configuration information that will be added to the **JA34-805 Settings** page.

Headsets List

Manufacturer	Model	Phones Input	Phones Impedance	Phones Input Description	MIC Output	MIC Output Description
Default Headset		5.50 Vrms	600 Ohms		0.250 Vrms	
Bose	A20	4.00 Vrms	160 Ohms	100mW (4.00 Vrms) into 160 Ohms - Mono	0.600 Vrms	600 mVrms @ 114 dB/SPL into 150 Ohms
David Clark	H10-13.4	3.87 Vrms	150 Ohms	100mW (3.87 Vrms) into 150 Ohms - Mono	0.400 Vrms	400 mVrms @ 114 dB/SPL into 150 Ohms
David Clark	H10-20	3.87 Vrms	150 Ohms	100mW (3.87 Vrms) into 150 Ohms - Mono	0.400 Vrms	400 mVrms @ 114 dB/SPL into 150 Ohms
David Clark	H10-60	3.87 Vrms	150 Ohms	100mW (3.87 Vrms) into 150 Ohms - Mono	0.400 Vrms	400 mVrms @ 114 dB/SPL into 150 Ohms
David Clark	X11	4.75 Vrms	225 Ohms	100mW (3.87 Vrms) into 225 Ohms - Mono	0.400 Vrms	400 mVrms @ 114 dB/SPL into 150 Ohms
Pilot	PA-1179T	5.47 Vrms	300 Ohms	100mW (5.47 Vrms) into 300 Ohms - Mono	0.400 Vrms	400 mVrms @ 114 dB/SPL into 150 Ohms
Telex	Airman 750	3.87 Vrms	150 Ohms	100mW (3.87 Vrms) into 150 Ohms - Mono	0.280 Vrms	280 mVrms @ 114 dB/SPL into 150 Ohms
Telex	Airman 850	3.87 Vrms	150 Ohms	100mW (3.87 Vrms) into 150 Ohms - Mono	0.280 Vrms	280 mVrms @ 114 dB/SPL into 150 Ohms
Sennheiser	HMEC-26-BV-K	7.75 Vrms	600 Ohms	100mW (7.75 Vrms) into 600 Ohms - Mono	0.800 Vrms	800 mVrms @ 114 dB/SPL into 150 Ohms
Sennheiser	HMEC-46-BV-K	7.75 Vrms	600 Ohms	100mW (7.75 Vrms) into 600 Ohms - Mono	0.400 Vrms	400 mVrms @ 114 dB/SPL into 150 Ohms
Sennheiser	HMEC-461	5.47 Vrms	300 Ohms	100mW (5.47 Vrms) into 300 Ohms - Mono	0.400 Vrms	400 mVrms @ 114 dB/SPL into 150 Ohms
Sennheiser	S1	3.60 Vrms	130 Ohms	100mW (3.60 Vrms) into 130 Ohms - Mono	0.350 Vrms	350 mVrms @ 114 dB/SPL into 150 Ohms
New Headset	Model	5.50 Vrms	600 Ohms		0.250 Vrms	

If it is desirable to add other Headsets, click on the **Headsets List**. A new headset and its parameters can be added by clicking on (the '**Add New Headset**' button). A new line will be added to the bottom of the list, and double clicking on each part of the line will highlight it to allow changes. When the relevant details have been added, use the ('**Save Changes**') or ('**Cancel All Changes**') button as required. The added headset will then appear on the appropriate drop-down menu list.

2.6.6 Low Impedance Intercoms List

This is a list of Low Impedance Intercoms and the configuration information that will be added to the **JA34-805 Settings** page. The list is similar to the Headsets list, and new intercoms can be added in the same way.

2.6.7 Other Configuration Features

In the JA34-805 Product Information Window, the model number, serial number and check sum of the JA34-805 Low Impedance Intercom Adapter - Remote Mount can be viewed.

2.7 Installation Kit

The kit required to install this unit is not included with the unit.

The installation kit (Part # INST-JA34) consists of the following:

Quantity	Description	JAC Part #
1	TAG ring	CON-5500-0375
1	D-Sub 25-pin connector, hood and 25 crimp pins	CON-3420-0025
1	Heat Shrink Tubing	WIR-HTSK-0750

2.7.1 Recommended Crimp tools

Connector Type	Hand crimp tool	Positioner	Insertion/extraction tool
Positronic	9507	9502-3	M81969/1-04
Positronic	AFM8 (Daniels)	M22520/2.08 KB-1	

2.8 Installation Drawings

The drawings and documents required for Installation can be found in Appendix A of this manual.

SECTION 3 – OPERATION

3.1 Introduction

The JA34-805 Low Impedance Intercom Adapter - Remote Mount allows one high impedance headset to be used with a low impedance intercom. The JA34-805 provides fully isolated audio signal paths to and from the intercom to allow a noise free installation.

3.2 Operation

The JA34-805 is a remote mount unit and has no user accessible controls.

Installation Manual

Appendix A - Installation Drawings

A1 Introduction

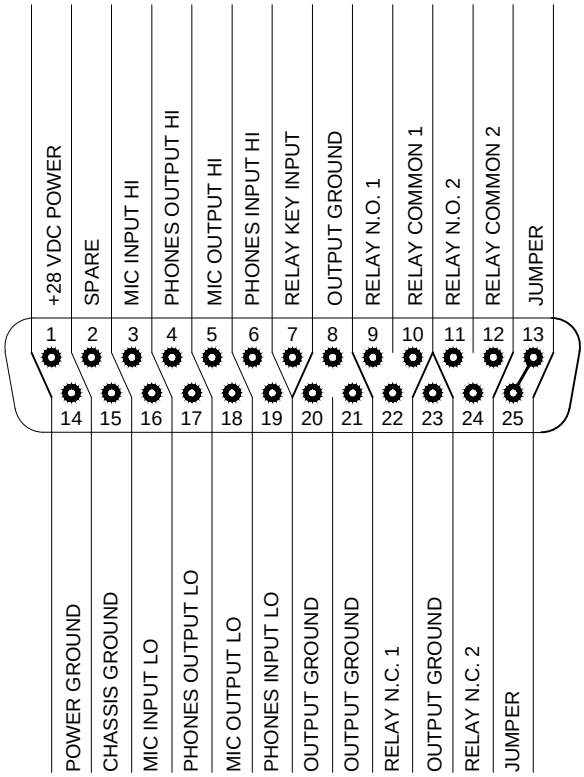
The drawings necessary for installation and troubleshooting of the JA34-805 Low Impedance Intercom Adapter - Remote Mount are in this Appendix, as listed below.

A2 Installation Drawings

DOCUMENT	Rev
JA34-805 Connector Map	A
JA34-805 Interconnect	A
JA34-805 Mechanical Installation	A

P1

25 PIN FEMALE DMIN
MATING CONNECTOR

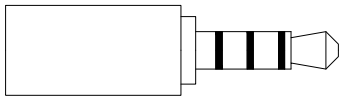


VIEW IS FROM REAR OF MATING CONNECTOR

CONFIGURATION CONNECTOR

P2-P3

JA99 CONFIGURATION CABLE
4 POLE MALE 3.5MM STEREO



MATING PLUG NAMES	JA34 SIGNAL NAMES
TIP: TX DATA	CONFIG DATA TO JA34
1ST RING: RX DATA	CONFIG DATA FROM JA34
2ND RING: GROUND	GROUND
3RD RING: MODE SELECT	MODE SELECT

PREPARED	TAT	JUPITER AVIONICS CORPORATION		
CHECKED	JAC 08-08-18 SD	TITLE Low Impedance Intercom Adapter - Remote Mount		
APPROVED	JAC 08-08-18 SRM	NCAGE CODE L00N3	PART NO. JA34-805	SHEET 1/1
CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		DOC NO. JA34-805 Connector Map Rev A.dwg		

JA34-805 INTERCONNECT WIRING NOTES

NOTES

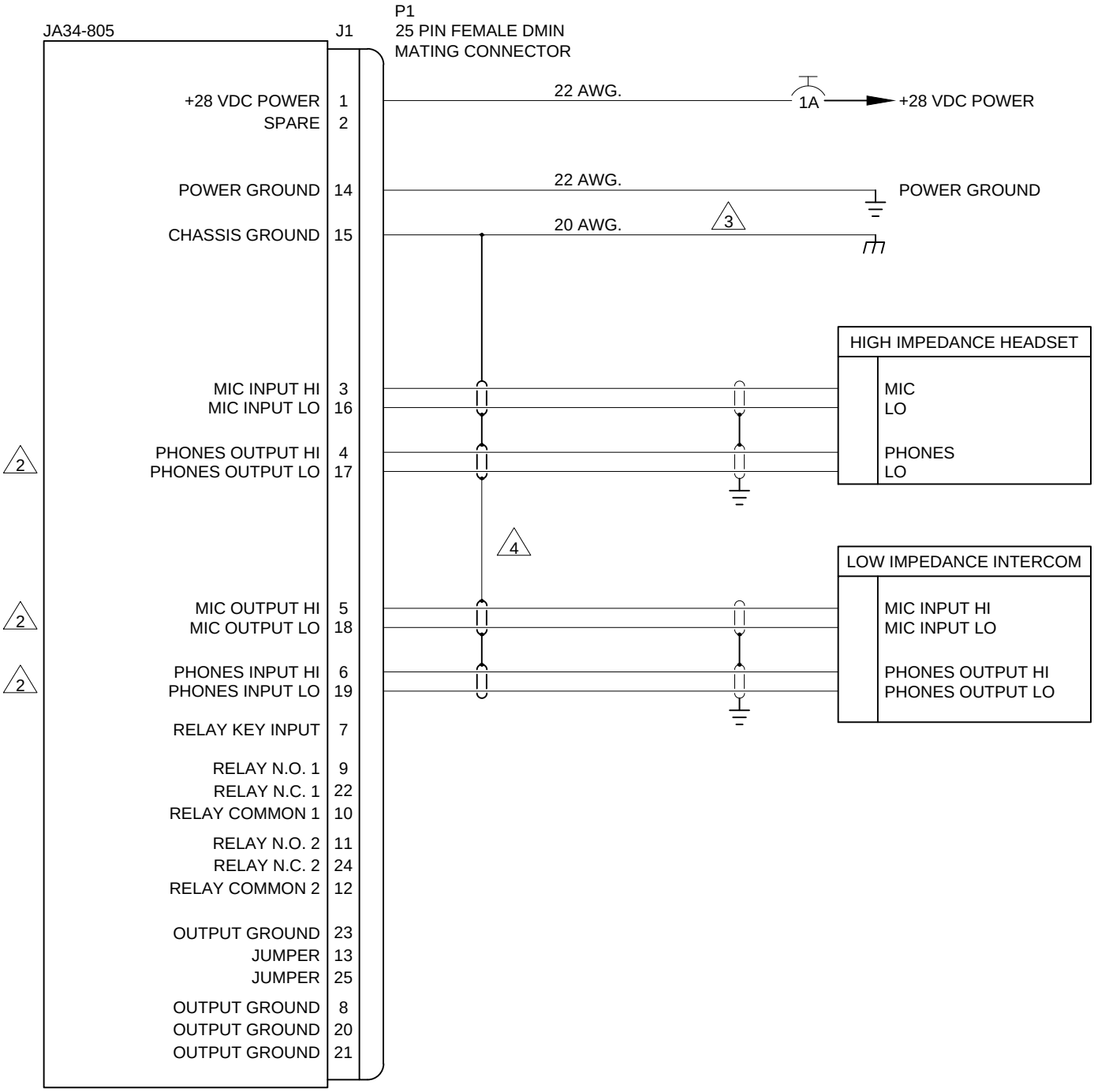
1. All wire size should be 24 AWG min unless otherwise specified. Unshielded wire should be selected per FAA AC43.13-1B change 1 para 11-76 TO 11-78. Wire types should be in accordance with MIL-W-22759 as described in FAA AC43.13-1B change 1 para 11-85 and 11-86 and listed in table 11-11 or 11-12. All shielded cable should be in accordance with MIL-DTL-27500 (Revision H or later).

2. Input/Outputs are transformer coupled (Balanced), 'LO' wires require one termination to ground (usually at the source).

3. Connection to airframe ground should be made with 20 AWG wire. Length not to exceed 3 FT (0.9 M).

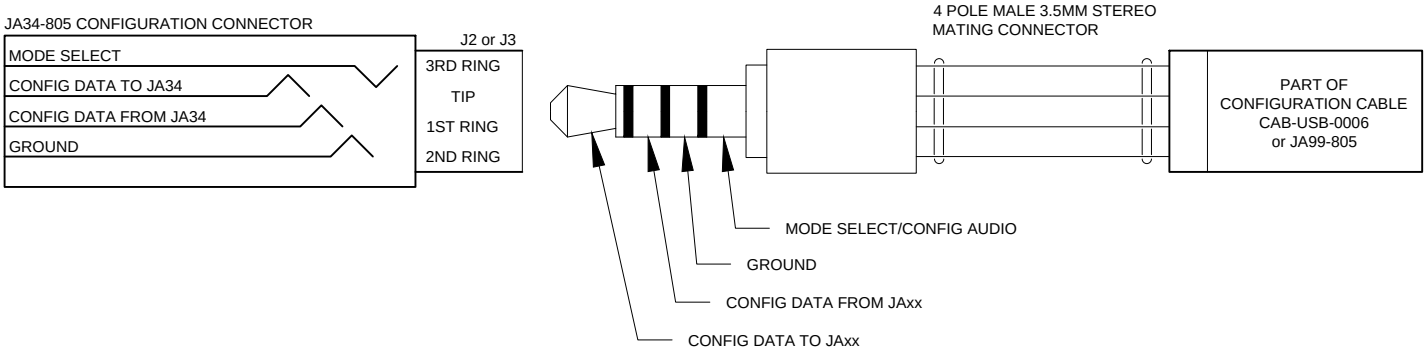
4. Cable shields at the JA34-805 connector pins should be terminated to airframe ground using a tag ring P/N: MS27741-3 or equivalent.

PREPARED	TAT	JUPITER AVIONICS CORPORATION		
CHECKED	JAC 08-08-18 SD	TITLE Low Impedance Intercom Adapter - Remote Mount		
APPROVED	JAC 08-08-18 SRM	NCAGE CODE L00N3	PART NO. JA34-805	SHEET 1/3
CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		DOC NO. JA34-805 Interconnect Rev A.dwg		

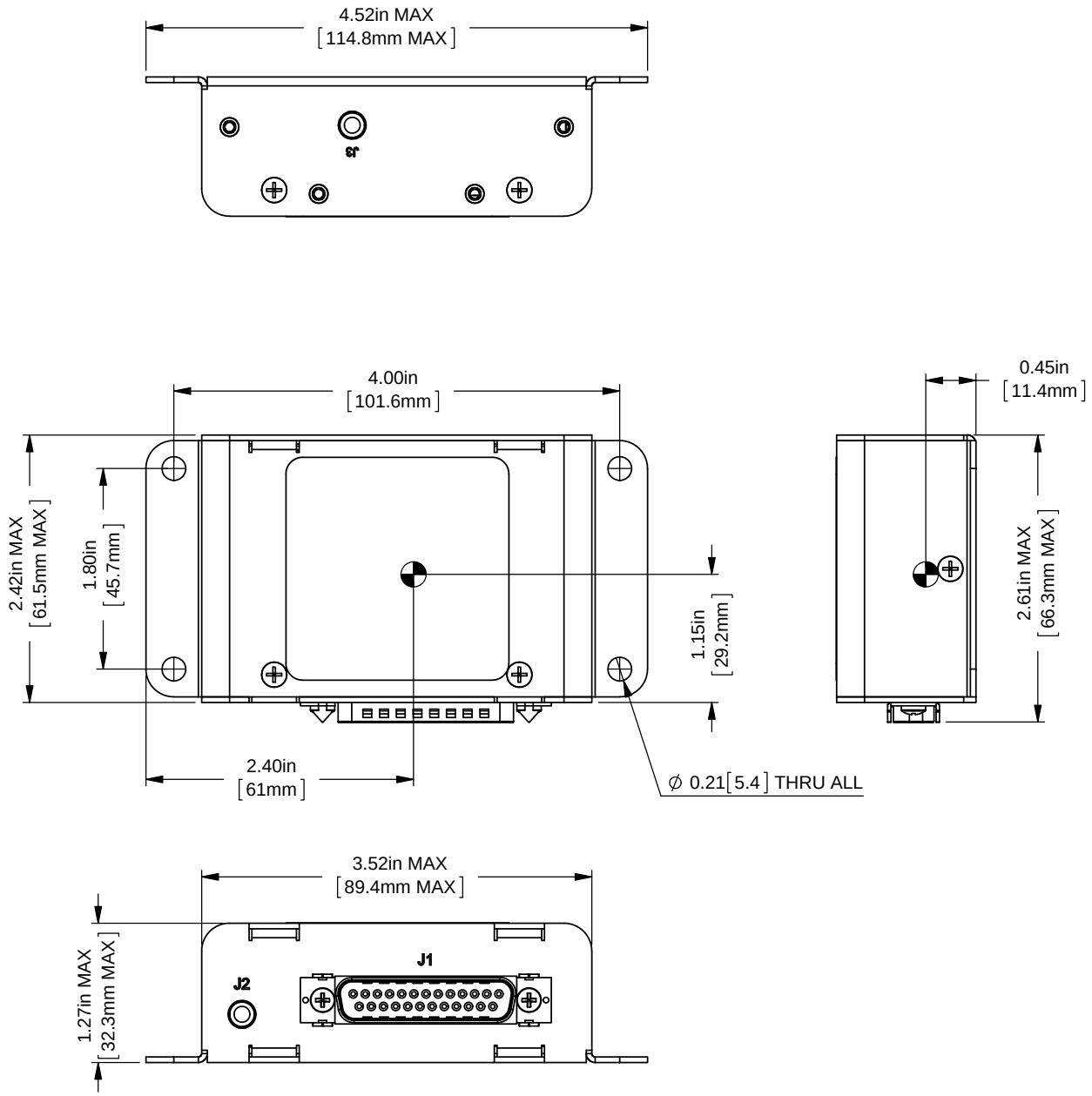


PREPARED	TAT	JUPITER AVIONICS CORPORATION		
CHECKED	JAC 08-08-18 SD	TITLE Low Impedance Intercom Adapter - Remote Mount		
APPROVED	JAC 08-08-18 SRM	NCAGE CODE L00N3	PART NO. JA34-805	SHEET 2/3
CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		DOC NO. JA34-805 Interconnect Rev A.dwg		

CONFIGURATION CONNECTOR



PREPARED	TAT	JUPITER AVIONICS CORPORATION		
CHECKED	JAC 08-08-18 SD	TITLE Low Impedance Intercom Adapter - Remote Mount J2 and J3 Interconnect		
APPROVED	JAC 08-08-18 SRM	NCAGE CODE L00N3	PART NO. JA34-805	SHEET 3/3
CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		DOC NO. JA34-805 Interconnect Rev A.dwg		



CENTER OF GRAVITY
±0.03in [0.8mm]

WEIGHT: 0.38 lbs [0.17 kg] MAX.

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	PREPARED	TAT	JUPITER AVIONICS CORPORATION
	CHECKED	JAC 08-08-18 SD	TITLE Low Impedance Intercom Adapter - Remote Mount
	APPROVED	JAC 08-08-18 SRM	NCAGE CODE L00N3 / PART NO. JA34-805 / SHEET 1/1
MATERIAL: N/A	CONFIDENTIAL & PROPRIETARY TO JUPITER AVIONICS CORP.		DOC. NO. JA34-805 Mechanical Installation Rev A.SLDDRW
FINISH: N/A	DRAWING NOT TO SCALE		

JUPITER AVIONICS TEMPLATE SOLIDWORKS PORTRAIT SIZEA REVB .DRWDOT

Installation Manual

Appendix B - Installation Documents

B1 Airworthiness

Airworthiness approval of the JA34-805 may require completion of a TCCA Major Modification Report per CAR STD (AWM) 571 Appendix L, or a FAA Form 337. The sample wording for a description of the work is provided to assist the Installing Agency in preparing Instructions for Continued Airworthiness (ICA) when replacing an existing radio adapter with a Jupiter Avionics JA34-805 Low Impedance Intercom Adapter - Remote Mount. This sample may be modified appropriately for new installations.

Sample Wording:

Removed the existing [model] radio adapter and replaced with a Jupiter Avionics JA34-805 Low Impedance Intercom Adapter - Remote Mount in [aircraft location].

Installed in accordance with the JA34-805 Installation Manual, Revision [ ], and AC 43.13-2, Chapters 2, and 3.

The JA34-805 interfaces with existing aircraft radios per the Installation Manual instructions.

The JA34-805 Installation Manual provides detailed installation instructions and wiring diagrams (Section 2, and Appendices A and B).

Power is supplied to the JA34-805 through a 1-Amp circuit breaker.

Aircraft equipment list, weights and balance amended. Compass compensation checked and found to conform to applicable regulations.

B2 Instructions for Continued Airworthiness

Maintenance of the JA34-805 Low Impedance Intercom Adapter - Remote Mount is “on condition” only. Refer to the JA34-805 Maintenance Manual. Periodic maintenance of the JA34-805 is not required.

The following sample Instructions for Continued Airworthiness (ICA) provides assistance in preparing ICA for the Jupiter Avionics JA34-805 unit installation as part of a Type Certificate (TC) or Supplemental Type Certificate (STC) project to comply with CAR STD (AWM) 523/527/525/529.1529 or FAR 23/25/27/29.1529 “Instructions for Continued Airworthiness”.

Items that may vary by aircraft make and model are shown in brackets (“[ ]”) and should be filled in as appropriate. Some of the checklist items do not apply, in which case they should be marked “N/A” (Not Applicable).

Instructions for Continued Airworthiness, Jupiter Avionics JA34-805 Low Impedance Intercom Adapter - Remote Mount in an [Aircraft Make and Model]

1. Introduction

[Aircraft that has been altered: Registration number, Make, Model and Serial Number]

Content, Scope, Purpose and Arrangement: This document identifies the Instructions for Continued Airworthiness for a Jupiter Avionics JA34-805 installed in an [aircraft make and model].

Applicability: Applies to a Jupiter Avionics JA34-805 installed in an [aircraft make and model].

Definitions/Abbreviations: None, N/A.

Precautions: None, N/A.

Units of Measurement: None, N/A.

Referenced Publications: JA34-805 Installation and Operating Manual
JA34-805 Maintenance Manual
STC/TC # [applicable STC/TC number for the specific aircraft installation]

Distribution: This document should be a permanent aircraft record.

2. Description of the System/Alteration

Jupiter Avionics JA34-805 Low Impedance Intercom Adapter - Remote Mount with interface to external transceivers and [include other equipment/systems as appropriate]. Refer to Appendix A of this manual for interconnect information. Refer to aircraft manufacturer approved interconnect for actual installation.

3. Control, Operation Information

N/A

4. Servicing Information

N/A

5. Maintenance Instructions

Maintenance of the JA34-805 is 'on condition' only. Periodic maintenance is not required. Refer to the JA34-805 Maintenance Manual.

6. Troubleshooting Information

Refer to the JA34-805 Maintenance Manual.

7. Removal and Replacement Information

Refer to Section 2 of this manual - the JA34-805 Installation Manual. If the unit is removed and reinstalled, a functional check of the equipment should be conducted.

8. Diagrams

Refer to Appendix A of this manual - the JA34-805 Installation Manual - for installation drawings and interconnect examples.

9. Special Inspection Requirements

N/A

10. Application of Protective Treatments

N/A

11. Data: Relative to Structural Fasteners

JA34-805 and appropriate mounting hardware installation, removal and replacement should be in accordance with applicable provisions of AC 43.13-1B and AC 43.13-2A.

12. Special Tools

N/A

13. This Section is for Commuter Category Aircraft Only

A. **Electrical loads**: Refer to Section 1 of the JA34-805 Installation Manual.

B. **Methods of balancing flight controls**: N/A.

C. **Identification of primary and secondary structures**: N/A.

D. **Special repair methods applicable to the airplane**: N/A.

14. Overhaul Period

No additional overhaul time limitations.

15. Airworthiness Limitation Section

N/A