



JPL Ref No.:

Special PTT Design Worksheet – Headset and Adapter

The purpose of this worksheet is to capture the headset and adapter requirements you have, which are not satisfied by the current JPL PTT products. Please provide as many technical details as possible.

Please send completed form to office@intradex.com or your account manager.

Customer Information

Contact name:

Phone number:

Email Address:

Company/Organization: .

Country/state/city:

Host Application

Specify the type, manufacturer, and model number of the equipment with which this headset is to be used.

Equipment Type:

Equipment Manufacturer:

Equipment Model Number:

Is a headset/adapter currently being used with this application? If so, please share:

Headset /Adapter Manufacturers:

Headset/Adapter Model Numbers:

Microphone Characteristics

Noise-Cancelling: Yes ☐ No ☐
Select One: Carbon-equivalent ☐ Electret/Condenser ☐ Dynamic (150 Ohms) ☐

Push-to-talk Configuration

Push-to-Talk Switch: Yes ☐ No ☐
Trigger: Momentary ☐ Locking ☐ Please state trigger function, Eg. Joystick 1
Configuration: Secure-Voice ☐ Dispatch PTK ☐

Headset Style

Speakers: Monaural ☐ Binaural ☐
Ear Cushion: On-ear ☐ Over-ear ☐
Other (please describe):

Headset Configuration

Single-Channel (allows user to listen to only one channel) ☐
Dual-Channel (allows user to listen to two different channel) ☐

Volume Control

Analog Volume Control: Yes ☐ No ☐
Digital Volume Control: Yes ☐ No ☐



Cable length (adapter to host)

10ft		15ft		25ft		Custom	
Straight Cable		Coil-Cable		Other			

Connector to Host

Please specify the manufacturer and part number of the connector that is required to connect the adapter to the host equipment. Please describe how the connector is wired by completing the table below.

USB-A		USB-C		Other	
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Connector Manufacturer:

Connector Part Number:

Headset Detection: Yes ☐ Specify type: No ☐

Connector Wiring

Headset/Adapter Function	Connector Pin Number, or Part ¹
Transmit ²	
Transmit ²	
Receiver1	
Receiver1	
Receiver2 (if applicable) ³	
Receiver2 (if applicable)	
Push to Talk Switch (if applicable)	
Push to Talk Switch (if applicable) ⁴	
Headset Detection (ADD) (if applicable) ⁴	
Headset Detection	

1. Depending on the connector, wiring is specified by referring to pin numbers (or letters) or connector parts (e.g., the tip, ring, and sleeve parts of a Plug-prong connector, like a PJ-7).
2. Please specify transmitter polarity if applicable, e.g., in the case of an electret mic.
3. A second receiver would only be specified in the case of a dual-channel headset.
4. A jumper wire or resistor is sometimes required in the connector to signal the host equipment that a headset is connected, commonly known as Automatic Device Detection (ADD).

Quantities

Expected initial order:

Estimated Yearly quantities:

Additional Notes

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