

## **PS Engineering Intercom Harness Form**

**On all PS Engineering intercoms, a wiring must be done by PS Engineering or a PS Engineering dealer (Aircraft Spruce) or the warranty is void on the unit.**

On the second page of this document is the wire harness worksheet that must be completed and faxed or emailed back to Aircraft Spruce. Upon the receipt of the worksheet, Aircraft Spruce will return with a quote for the entire amount of the harness plus any other additional hardware.

Please fax completed forms to 951-372-0555 and put your quote number and sales representative's name on the fax. If this information was not given to you at time of quote, put attention Ryan Deck – Avionics Sales Manager.

Please email your complete forms to sales represents. If this information was not given, please email [ryandeck@aircraftspruce.com](mailto:ryandeck@aircraftspruce.com) and give your quote number in the email.

### **Wire harnesses are not cancelable or returnable.**

Allow one week from your order of your harness to the time the harness is to be shipped.

The best technique to measure the needed cable lengths is to take a piece of string, and run it from the desired unit location to the desired jack location, next to, or through the aircraft structure along the planned cable route. Then measure that string to determine the wire run. Repeat for each individual run (pilot jacks, passenger jacks, music jacks etc.).

Enter the length in the "Length (feet)" column.

Specify the receivers to be included, such as Nav/Com, Com, ADF, DME, or Auxiliary (RX) in the special instructions section.

Ordering a harness with excessive wire lengths will increase the likelihood of Radio Frequency Interference (RFI). The only alternative to a too long a wire run is to cut it to length. However, this eliminates the work that had already been done in prepping the wires and will require special tools to re-prepare the wires for termination to the microphone and headphone jacks.

Please request if you want the microphone & headphone jack attached.

Power and ground wires will be the length you specify. The lengths should include the distance from the circuit breaker on the avionics bus (power) and the ground location (ground).

**Aircraft Spruce - PS Engineering PM 501 Harness Form**

Designation	Location	Length (feet)
LA	PM501 to aux jacks (radio input)	
E1	PM501 to music jack	
LP	PM501 to pilot mic & headphone jacks	
LC	PM501 to copilot mic & headphone jacks	
L1	PM501 to passenger 1 mic & headphone jacks	
M2	PM501 to passenger 2 mic jacks	
H12	Pass 1 headphone to pass 2 headphone jacks	
PG	Aircraft power and ground	

Special Instructions:

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