

PS Engineering Audio Panel Harness Form

On all PS Engineering audio panels, 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 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). **Specify the voltage of the aircraft dimmer (14 or 28V).**

Aircraft Spruce - PS Engineering PMA 8000B Harness Form

	Designation	Location	Length (feet)
Intercom	LP	PMA8000B to Pilot Jacks	
	LC	PMA8000B to Copilot Jacks	
	L1 (if more than 2-place)	PMA8000B to Passenger 1 Jacks	
	HC (if 4-place)	Passenger 1 Phones to Passenger 2 Phones	
	H3 (if 6-place)	Passenger 1 Phones to Passenger 3 Phones	
	H4 (if 6-place)	Passenger 2 Phones to Passenger 4 Phones	
	M2 (4-place)	PMA8000B to Passenger 2 Mic	
	M3 (6-place)	PMA8000B to Passenger 3 Mic	
	M4 (6-place)	PMA8000B to Passenger 4 Mic	
	E1	PMA8000B to Music Jack	
E2	PMA8000B to Passenger Music Input		
Audio Panel	NC1	PMA8000B to Nav/Com 1	
		Com 1 Phones & Microphone	
		Nav 1 (if present)	
	NC2	PMA8000B to Nav/Com 2	
		Com 2 Phones & Microphone	
		Nav 2 (if present)	
	RX	PMA8000B to ADF, DME, AUX	
	US	PMA8000B to unswitched audio	
	PG	Power and Ground	
	SP	Cockpit Speaker	
	DIM	PMA8000B to radio dimmer (Specify 14 or 28V)	
	PB	Remote switch for Internal Recorder Playback	
		Headset and Mic jacks added to the harness	Yes or No

Special Instructions:

