



Completion of the Custom Wiring Harness Worksheet

The second page of this document is the wire harness worksheet that must be completed and FAXed back to PS Engineering, Inc. Upon the receipt of the worksheet, PS Engineering, Inc. will debit the credit card for the entire amount of the harness plus any other additional hardware or shipping charges that are indicated on the wire harness worksheet.

Wire Harnesses are not **cancelable** or **returnable**.

Allow five-business days from our receipt of your harness worksheet to the time the harness is 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.).

Expansion unit *headphone* jacks are “daisy-chained.” That means that a set of cables will connect the unit to the first sets of passenger jacks (L1 & L2). From there, another set will go the next set of passenger (H3 , H4, H5, H6) jacks. All microphone connections are separate cables from the unit to the mic jacks.

Enter the length in the “Length (feet)” column. If the length is longer than the basic length included in the base price, there will be an extra per-foot cost. (No, you won’t get credit if the length is LESS than the base cost). If any of the column boxes are empty, then PS Engineering will assume that wire connection is not required or needed.

Resist the temptation to use the lengths listed on the worksheet. These are listed not because they are any type of standard lengths, but rather, provides PS Engineering, Inc a basis for the cost of the harness.

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 mic and headphone jacks.

We typically do not install intercom headphone jacks on the harness unless specifically requested. It is usually easier to feed the wires through the airplane without the jacks attached to the harness. However, if you elect to have us install jacks to your harness we will be glad to do so at a cost of \$8.75 per set of headphone and microphone jacks.

Interface to the main unit is through the 5-conductor expansion cable. This will need to be connected into the main units connector. Refer to the appropriate installation manual for details.

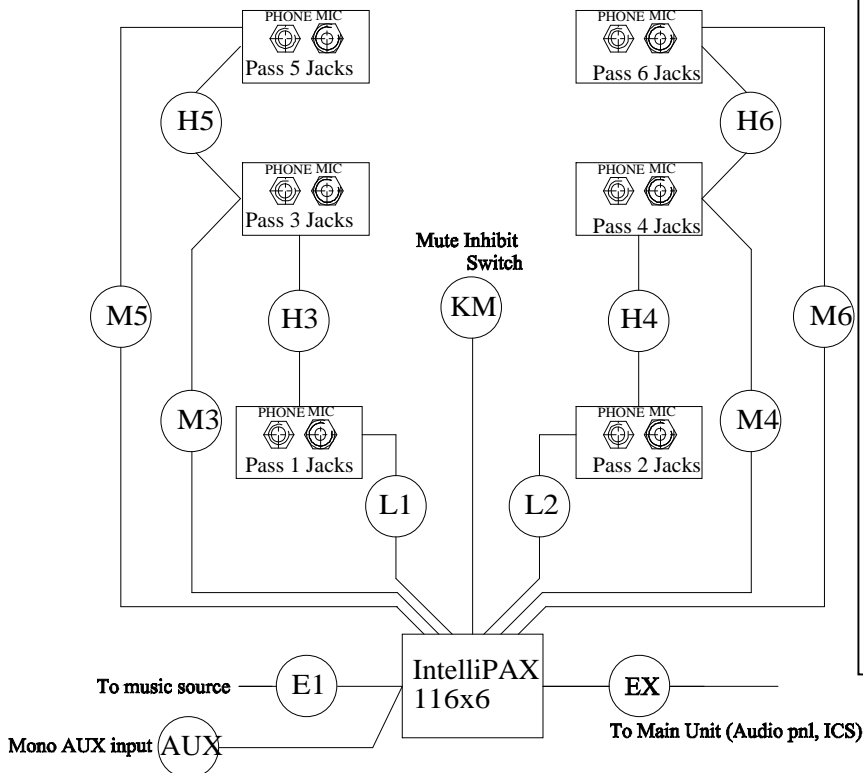
A hardcopy order sheet is required, no phone orders accepted. Scanned sheets can be emailed to harnesses@ps-engineering.com.

INTELLIPAX/EXPANSION HARNESS ORDER SHEET

HARNESS IS NON CANCELLABLE AND NON RETURNABLE

NAME: _____ DATE: _____
 ADDRESS: _____ PHONE: _____
 _____ Ship Method: _____
 City: _____ State: _____
 Zip/Post Code: _____
 Visa/MC#: _____ Expiration: _____
 Aircraft Make & Model: _____

Designation	Location	Length (feet)	Excess Length
EX	Main Unit to IntelliPAX (116X6)		Additional cost if over 2 ft.
AUX	Mono auxiliary input		Additional cost if over 3 ft.
KM	SoftMute disable (Karaoke Mode) switch not incl.		Additional cost if over 3 ft.
E1	IntelliPAX to Passenger Music Jack (#2)		Additional cost if over 3 ft.
L1	IntelliPAX to Passenger 1 Mic and headphone		Additional cost if over 12 ft.
L2	IntelliPAX to Passenger 2 Mic and headphone		Additional cost if over 12 ft.
M3	IntelliPAX to Passenger 3 Mic		Additional cost if over 12 ft.
M4	IntelliPAX to Passenger 4 Mic		Additional cost if over 12 ft.
M5	IntelliPAX to Passenger 5 Mic		Additional cost if over 12 ft.
M6	IntelliPAX to Passenger 6 Mic		Additional cost if over 12 ft.
H3	Pass 1 to Pass 3 Headphone Jacks		Additional cost if over 6 ft.
H5	Pass 3 Headphone to Passenger 5 Headphone		Additional cost if over 6 ft.
H4	Pass 2 Headphone to Passenger 4 Headphone		Additional cost if over 6 ft.
H6	Pass 4 Headphone to Passenger 6 Headphone		Additional cost if over 6 ft.



**Harness Part Number
EXPAN (6-place)**

Notes:

Each harness is professionally manufactured using Mil-Spec, Tefzel[®] shielded cable, and is clearly marked for easy identification using heat shrink labeling.

Turn-around time is 5-business days from receipt of completed worksheet, or shipping is free.

RADIO INTERFACE NOT INCLUDED

Jacks are not included.

Please specify if mic and headphone jacks are to be added.

Special Instructions: _____

CALL or FAX FOR PRICING: _____

DOC: 031302 R1