

4X-A2D

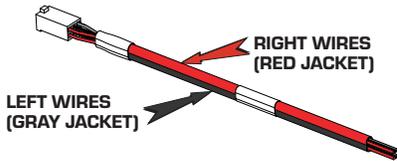
76-1430-2 4X-A2D CABLE KIT

Kit includes four analog input cables (pigtails to 6-pin AMP MOD IV) and five digital cables (pigtails to 3-pin AMP MOD IV). Each cable is 20 feet long, allowing the 4X-A2D to be conveniently placed within the studio cabinetry.

INSTALLATION NOTES: READ ME FIRST!

General 4X-A2D installation information is included in the 71-1430 customer document. The PRE76-1430-2 kit includes five 20-foot digital pigtail cables and four 20-foot analog pigtail cables. These plug into the 4X-A2D connectors. Customer-supplied connectors are attached to the pigtail ends. An AMP MOD IV crimp tool is not required to connect the 4X-A2D when using these cables.

More detailed system wiring information can be found in any Harris/PR&E console or cardframe manual. If one is not available, Harris/PR&E manuals can be downloaded from: ftp.pre.com. The username is: customer. The password is: pacific.



90-1434: Analog Cables, 20-foot pigtail cable (x4)



90-1435: Digital Cables, 20-foot pigtail cable (x5)

CABLE ASSEMBLY

NOTE: Belden 1504A cable is used for all analog cables. A gray jacket covers the left channel wires. A red jacket covers the right channel wires. The hot/high/+ wires are red. The cold/low/- wires are black.

Quabbin 5100 cable (black jacket) is used for all digital cables. It is an unshielded twisted pair cable. The hot/high/+ wire is white. The cold/low/- wire is blue.

- For analog cables, separate the red and gray cables from one another for about six inches from the end of the pigtail. Apply wire tags to identify each cable.
- For both types of cable, strip the cable insulation back to expose the individual wires (about 3" [76 mm], depending upon the type of connector being installed).
- On the analog cables, remove the foil shield, then sleeve the drain wire using 20 AWG Teflon tubing. Leave about 9/64" [3.6mm] of the drain wire end exposed.
- Cover the cut end of the cable jacket with heat shrink tubing. On the analog cables, the shrink tubing holds the Teflon tubing in place.
- Strip the two signal wires back about 9/64" [3.6mm].
- Solder or crimp the wires to the desired connector. Follow the Analog or Digital Connection Tables for wire pinouts.

Note: The 76-1430-1 kit includes premade 3-foot digital cables to plug between the 4X-A2D and a Harris/PR&E console's digital input. The kit includes the 6-pin MOD IV housings and receptacle contacts to make custom input and AES Sync Input cables.

INSTALLATION

NOTE 1: The 4X-A2D is factory set for +4 dBu balanced input signals. If unbalanced -10 dBV signals are connected, follow the instructions in the 71-1430 document to change internal switches before mounting the unit.

- Follow the mounting instructions, presented in the 71-1430 document, to install the 4X-A2D.
- Plug the four 90-1434 analog cables into the 4X-A2D inputs. Use wire tags to identify each cable.
- Connect four 90-1435 digital cables to the AES/EBU Digital Outputs on the 4X-A2D. Use wire tags to identify each cable.
- If House Sync/Word Clock is required to lock the 4X-A2D with other digital audio devices, connect the fifth 90-1435 cable to the AES Sync Input. Use a wire tag to identify the cable.

NOTE 2: The 4X-A2D is factory set to use its internal oscillator to supply a 44.1 kHz clock. Internal switch DS9 must be switched to use the AES Sync Input signal. See the 71-1430 document for details on changing DS9.

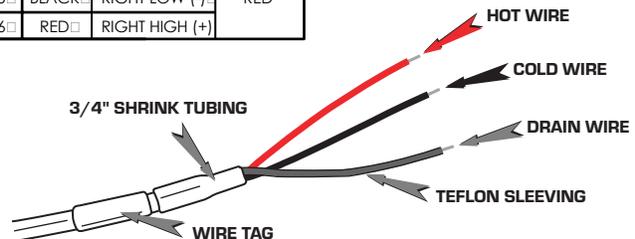
- Route the cables to their sources/destinations. Trim off any excess cable length and then use the instructions below to install customer-supplied connectors onto the cables.

ANALOG CONNECTION TABLE

PIN	WIRE	SIGNAL	JACKET
1	SHIELD	GROUND	GRAY
2	BLACK	LEFT LOW (-)	
3	RED	LEFT HIGH (+)	
4	SHIELD	GROUND	RED
5	BLACK	RIGHT LOW (-)	
6	RED	RIGHT HIGH (+)	

DIGITAL CONNECTION TABLE

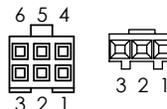
PIN	WIRE	SIGNAL	JACKET
1	NONE		BLACK
2	BLUE	LOW (-)	
3	WHITE	HIGH (+)	



PREPED ANALOG CABLE, READY FOR CONNECTION TO A CUSTOMER-SUPPLIED CONNECTOR



PREPED DIGITAL CABLE, READY FOR CONNECTION TO A CUSTOMER-SUPPLIED CONNECTOR



MOD IV CONNECTOR PINOUTS, WIRE INSERTION END VIEW



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