

Please Read Before Setting Up Your HDS-6 / HR-6 System

The HDS-6 / HR-6 System Can Be Customized

Every HR-6 Remote Mixer comes with a pair of 25-ft. cables to link HR-6's to the HDS-6, or HR-6's to each other. Additional cables are available from Furman. If you wish to use star connections (defined as one input with multiple output connectors), or extend your cables using female-to-female couplers, we strongly suggest that you read the following important information before you purchase them.

- Please be aware that the cables and connectors for 10-base-T UTP Ethernet are available in a variety of wiring configurations.
- The *only* cable connectors that will work with an HDS-6/HR-6 system are straight pin-to-pin connections.
- If a coupler, patch panel or "Y" is used, it *must* use a straight pin 1 to pin 1, pin 2 to pin 2, etc. connection.
- We recommend that only "straight" EIA T-568A or EIA T-568B cables and accessories be used with the HDS-6 and HR-6.

Customizing Your Cables And Connectors

If you want to expand your HDS-6 /HR-6 system with star connections, we recommend using a CAT5+ Patch Panel from Hubbell, model number DPA1644, which can be ordered for about \$100 from the Datacomm Warehouse catalog (their toll-free phone number is below under "Ordering Information.")

This model is a 16-port panel that can be wired in two banks of eight to accommodate the HDS-6 system's "Blue" and "Gray" cables.

Be advised that you may need to consult a qualified network wiring professional to assist you with wiring star connections with or without the above-mentioned patch panel.

If you want to extend your cable lengths, you can couple two or more Ethernet cables together. We recommend that you use DCO1898 Category 5 Data Couplers from Datacomm Warehouse. The price ranges from \$9.99 for single units to \$89.99 for a 10-pack.

If you want to use two or more HR-6's in different areas (i.e., a vocal booth, drum booth, etc.). You can "split" the outputs at the HDS-6 into two sets of outputs. We suggest you order "2 ea." of the following from Datacomm Warehouse:

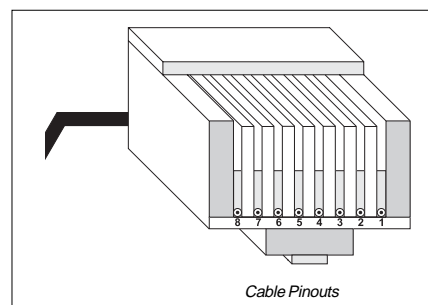
Description	Item#	Price
"Bridge for all jacks"	DAD1478	9.99

If you have more than two HR-6's, you will need an additional two bridges per HR-6.

HDS-6 / HR-6 Cable Pin Assignments

The following are the pin assignments on the HDS-6 and HR-6, as well as the cables provided by Furman with each HR-6. The HDS-6 has two Link Outputs labelled "Blue" and "Gray." Each HR-6 has two pairs of "Blue" and "Gray" connectors.

Blue	Gray
Pin 1 Gnd	Gnd
Pin 2 Ch1	Left
Pin 3 Gnd	Gnd
Pin 4 Gnd	Gnd
Pin 5 Ch3	+22V
Pin 6 Ch2	Right
Pin 7 Gnd	Gnd
Pin 8 Ch4	-22V



Pin Assignments For Other Cables

The following are the pair assignments for the various configurations available from sources other than Furman.

The EIA T-568A cable is interchangeable with the EIA T-568B cable.

EIA T-568B

Pin 1	White/Orange	Pair 2
Pin 2	Orange	Pair 2
Pin 3	White/Green	Pair 3
Pin 4	Blue	Pair 1
Pin 5	White/Blue	Pair 1
Pin 6	Green	Pair 3
Pin 7	White/Brown	Pair 4
Pin 8	Brown	Pair 4

EIA T-568A

Pin 1	White/Green	Pair 3
Pin 2	Green	Pair 3
Pin 3	White/Orange	Pair 2
Pin 4	Blue	Pair 1
Pin 5	White/Blue	Pair 1
Pin 6	Orange	Pair 2
Pin 7	White/Brown	Pair 4
Pin 8	Brown	Pair 4

IMPORTANT: Do not use USOC-configured cables.

Ordering Information

All of the accessories mentioned above can be ordered from Datacomm Warehouse.

Their toll-free number is (800) 328-2261.

NOTE: Furman will soon have a junction box available with two independent rows of six parallel-connected RJ-45 connectors per row. This will allow a total of five HR-6 mixers to connect to the HDS-6 from one remote location. Please contact Furman Tech Support for details.