

AVatrix™ Quick Start Guide

1. Register

- Go to www.audioauthority.com and enter your product's serial number to receive future product updates, etc.

2. Assemble the Stack

Details – User Manual pages 8 - 10.

- Turn the 1156 or 1166 upside down, remove the feet, and attach expanders one at a time.
- !** Connect the bus cable firmly to each 1176 expander as it is added. Attach feet or rack ears.
- Turn the stack upright. Set the address switch on each 1176, in order, from top to bottom: A, B, C, etc.



Address Setting for the fourth 1176 in a stack.

3. Connect Sources

Details – User Manual pages 10 - 11.

- Connect component video (and DVI, if applicable) from each source, and connect left and right stereo audio.
- !** Some sources may use optical digital audio, while others use coax – connect EITHER optical OR coaxial digital audio outputs from each source, not both.

4. Connect the Local Display

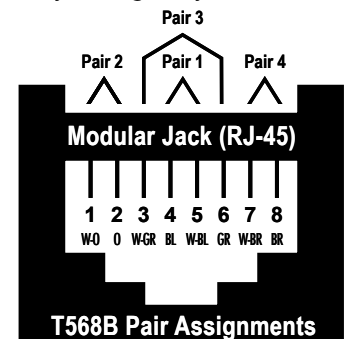
Details – User Manual page 11.

- Connect all desired audio and video cables from the local 1156/66 output to the local video display and sound system.
- Connect DVI and component video if desired, but if DVI is used, component video connection is not necessary.

5. Connect Cat 5 Wallplates

Details – User Manual page 11.

- Pull two Cat 5e or Cat 6 cables to each Wallplate location. Use two different Cat 5 jacket colors to identify A and B cables, or be certain to mark both ends of each cable A or B. If the cables are not connected to the Wallplate correctly, damage may occur.
- Use EZ RJ-45 connectors if possible, and a quality modular crimping tool.
- !** Carefully follow the chart to put the correct pairs together in each RJ-45 termination. This is essential to proper balanced line system function.
- !** Use a NETWORK CABLE TESTER to verify that the correct pairs are together. CONTINUITY TESTING IS NOT ADEQUATE for this product.
- Before connecting the Wallplates, verify that the A and B cables are correctly identified at each end of each cable run.
- Connect Cat 5 cables to the Wallplates, THEN connect the Cat 5 Cables to the 1176 Expander(s) and power the system.
- Connect a video display to each Wallplate, adjusting the gain equalization to the optimal setting before permanently mounting the Wallplate in the wall.



Also refer to the color illustration on the reverse of this guide.

6. Install IR System

Details – Page 12 and 19.

- Connect a Xantech 291-00 or other 12-volt IR receiver to each Wallplate.
- Connect the 1156/66 IR output to the 1108 IR Router. Connect IR emitters from 1108 outputs to the appropriate equipment.
- !** DO NOT USE EXTERNALLY POWERED IR EQUIPMENT (e.g. connecting blocks.)

Receiver Pinout

Tip = Signal
Ring = Ground
Sleeve = +12 Volts

WARNING: Connect receivers (12V only) directly to Wallplate, without connecting block.



Emitter Pinout

Tip = Signal
Sleeve = Ground

WARNING: Use only non-powered emitters, without connecting block.



7. Customize

Details – User Manual pages 8, 12 and 22.

- Use the 1166PC Setup Application to enter source names, assign zones, and perform any other desired settings. First, remove the flash memory card from the rear of the 1156/66 and insert it in an SD / MMC compatible card reader on a PC. Make changes and save to the card. Insert the card in the 1156/66 and choose "SAVE/LOAD FILE" in the Menu; follow on screen instructions.
- Make any refinements to your settings using the front panel controls, and save your user setup back onto the flash memory card. Store the flash memory card in a secure place if desired. Lock the front panel controls, if necessary, to prevent unwanted adjustments.

Refer to the 1166 Installation Manual for installation details and troubleshooting guide.

Signal Flow Diagram for AVX-661 with DVI

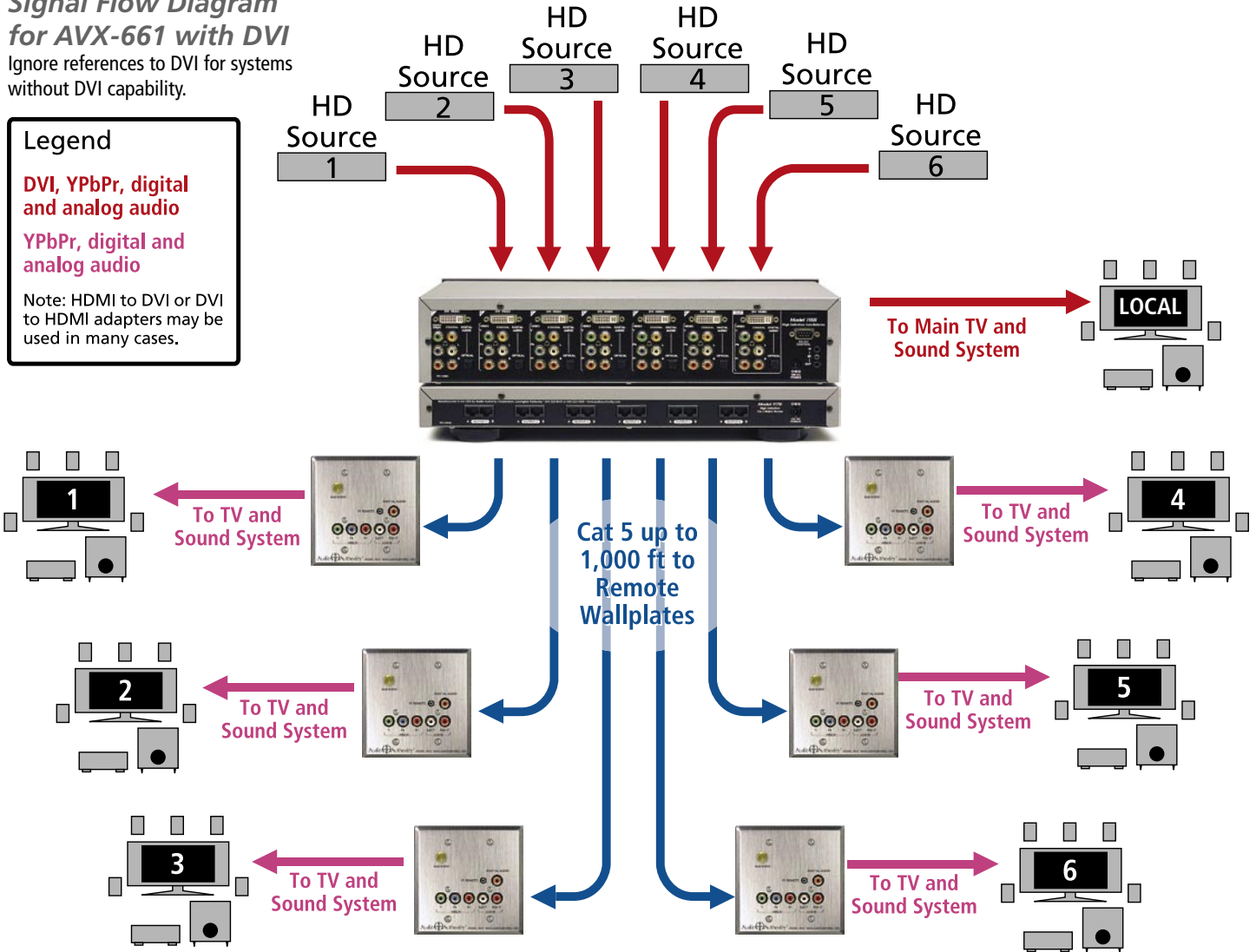
Ignore references to DVI for systems without DVI capability.

Legend

DVI, YPbPr, digital and analog audio

YPbPr, digital and analog audio

Note: HDMI to DVI or DVI to HDMI adapters may be used in many cases.



Cat 5e or Cat 6 Wiring

Use the EIA-568B configuration on both ends of each cable, exactly as pictured here. Wires must be correctly paired or damage to the Wallplate may occur. Note: A pre-made EIA-568A or B cable for Ethernet connections is also suitable for 9878 Wallplate connections.

