Commercial Audio Education



The Back of a Typical Amplifier

XLR Connectors receive plug-ins from Male XLR Microphones Connectors

70V Wiring can go out to speakers from these different zones. One positive terminal runs to the speakers (marked "75V/25V") and one common ("COM") terminal receives the wire back from the speakers.

Auxiliary Input/ RCA connectors allow inputs from a CD Player or other sound source

RCA Connector Outputs allow sound to exit and be recorded into another device



Where fuse is kept. Can be replaced if blown.

AC plug for electrical cord

Inputs for AM & FM Radio antennas

70 & 25 Volt Screw Terminals go out to speakers and are used a separation of 4 zones is not needed. Speaker Wire goes out through the "70V" or "25V" and returns through the "COM" terminal.

Adjusts the volume of Music-on-Hold

Switch that allows MIC #1 to override music playing.

Adjusts the volume of paging system.

Accepts inputs from the telephone paging system so that you can page over the speaker system.

Music-On-Hold Screw Terminal Outputs go to the phone system and allow whatever sound/music being played through the amplifier to be heard by people/customers on hold.

Screw Terminal Outputs to be used if the system is based on 8 ohms (residential) only and not 70V (commercial). The positive outgoing speaker wire is connected to the proper ohm setting terminal and the speaker wire is returned through the "COM" terminal.

Speco Technologies has provided this information as an educational introduction to commercial sound systems.

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Please consult licensed professionals when performing commercial sound installtions.