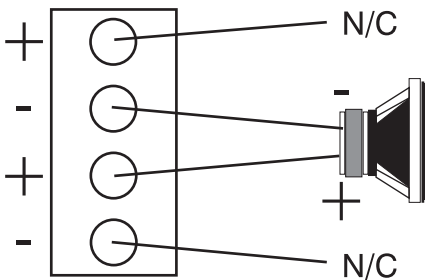


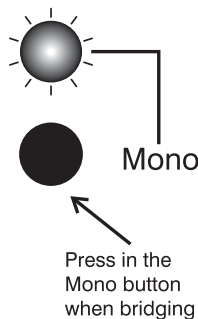
Appendices



Caution - Do not use a speaker rated at less than 8 ohms when bridging. In a bridged system, each channel of the bridged pair “sees” one half of the speaker load. This means that a bridged amp driving an 8 ohm speaker is actually operating into a 4 ohm load.



Bridged connection speaker hookup



Appendix A BRIDGING THE ARCHITECT

To increase the output power of the Architect, you can join (bridge) two channels of the Architect into a single channel of 300 watts. Accomplishing this is a simple matter. Just press the Mono button to send the same audio signal to both channels of the zone and then connect the speaker terminals as shown in the diagram below.

Appendix B USING WITH ETHERNET-BASED AUTOMATION SYSTEMS

The Ethernet LAN connection on the Model 1601 SE enables remote control of the amplifiers power and channel muting. While the internal web server of the Model 1601 SE provides an HTML web page based interface, this is not the best means of controlling the unit from another computer system. The Architect Model 1601 SE provides a Telnet TCP/IP protocol for system programmers. The Telnet protocol uses simple ASCII text commands to control and monitor the Architect Model 1601 SE amplifier.

To log into the Architect Model 1601 SE via Telnet, you need a Telnet client program in your system. The factory default static IP address of the Model 1601 SE is *192.168.0.1* and telnet is active on port 23. The default user login ID and password are:

User ID: *architect* (note: all lower case)
Password: *900*

An example of a typical telnet login session is:

```
/Telnet> login  
/Telnet> UserID?: architect  
/Telnet> Password?: 900  
/Telnet> User authenticated!  
/Telnet>
```

The serial ASCII control protocol over telnet allows simple integration with other automation computer systems. The basic command format is:

command<cr>

Where *command* is the ASCII text string of the command and <cr> is an ASCII carriage return (0D hex) character as a command delimiter. These commands are case sensitive and have a 500mS timeout if no valid command or delimiter is sent.

The commands are broken into two groups: **Controls** and **Inquiries**. The **Controls** issue instructions to the Model 1601 SE for power control and channel muting; the **Inquiries** return the status of amplifier channels, AC line voltage, the amplifier temperature, and the failure data log.

Control Commands

P0	(zero not 'O') Main Power On
P1	Main Power Off
M1	Mute channel 1-2
M2	Mute channel 3-4
M3	Mute channel 5-6
M4	Mute channel 7-8
M5	Mute channel 9-10
M6	Mute channel 11-12
M7	Mute channel 13-14
M8	Mute channel 15-16
MA	Mute all channels
U1	Unmute channel 1-2
U2	Unmute channel 3-4
U3	Unmute channel 5-6
U4	Unmute channel 7-8
U5	Unmute channel 9-10
U6	Unmute channel 11-12
U7	Unmute channel 13-14
U8	Unmute channel 15-16
UA	Unmute all channels

Inquiry Commands

M?	Binary string showing all zones mute status 0 = Mute 1 = Active (unmuted) (i.e. '00100000' – zone 3 is unmuted)
S?	Protection status (zone 1-8 and Amp)
T?	Temperature (zone 1-8)
P?	Main power status – 0=off, 1=on
V?	AC Line voltage – Decimal numeric value
L?	Protection data log (comma delimited text, 10 lines)

ARCHITECT™

Model 1600 SE
Model 1601 SE

Installer's Guide