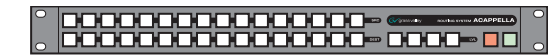
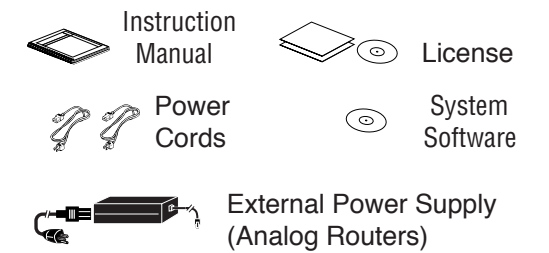


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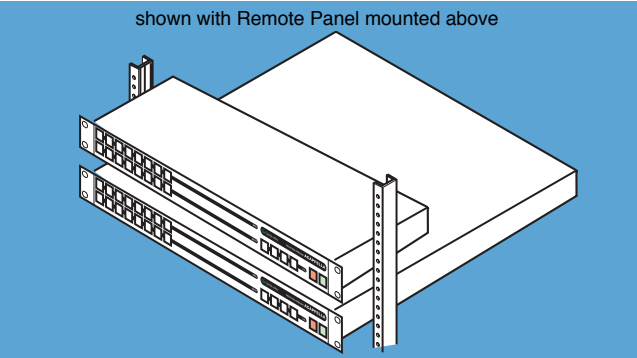
Before you begin, unpack and identify:



Acappella Router



1 For all physical configurations install Acappella in rack



Router			
Depth	Width	Height	Weight
392 mm 15.43 in.	483 mm 19 in.	44 mm 1.75 in.	4.89 kg. 10.78 lbs.
Voltage Input		Power Consumption	
100-240 V AC	50-60 Hz	≤40 W	
Remote Panel			
Depth	Width	Height	Weight
106 mm 4.18 in.	483 mm 19 in.	44 mm 1.75 in.	1.04 kg. 2.3 lbs.
Voltage Input		Power Consumption	
100-240 V AC	50-60 Hz	≤25 W	

3 Connect Video Reference

Video Reference Specifications, see Table 1

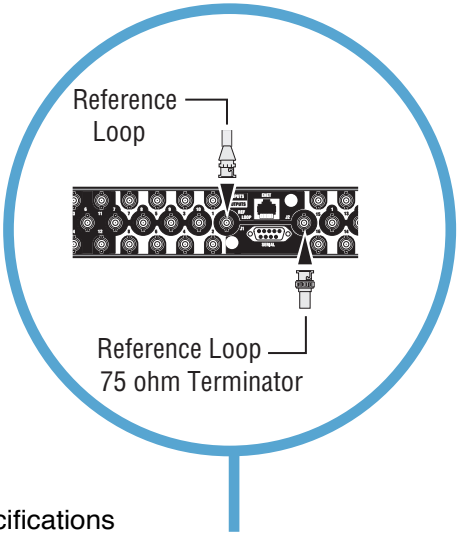


Table 1. Video Reference Specifications

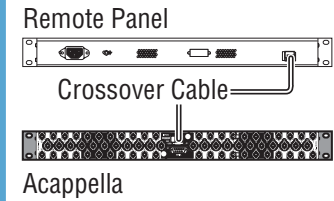
Reference Type *	Default	Horizontal Offset (0 midpoint)		Vertical Offset (0 midpoint)
NTSC Color Black	Switching middle of line 10	Adjustable up to +/- 30.5us		Adjustable from -15 lines up to +16 lines
PAL Color Black	Switching middle of line 6	Adjustable up to +/- 31.1us		
TLS Tri-Level-Sync	Switching middle of line 7	720p/59.94 & 720p/60	Adjustable up to +/- 10.3us	
		720p/50	Adjustable up to +/- 12.7us	
		1080i/59.94 & 1080i/60	Adjustable up to +/- 14.2us	
		1080i/50	Adjustable up to +/- 17.1us	
		1080p/24 & 1080fs/48	Adjustable up to +/- 18.0us	

* All Input signals and the Video Reference signal need to be in time with each other.

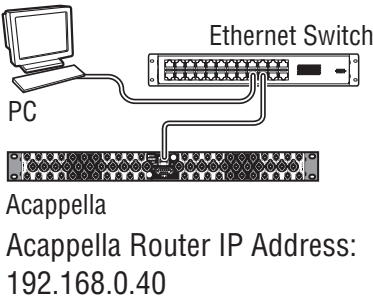
2 Create Network

If Installing Router Only (no remote panels or PC) proceed to STEP 3

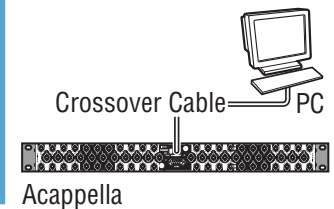
Remote Panel



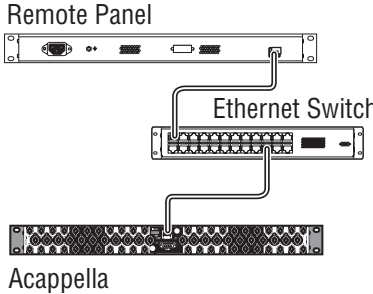
PC and Switch



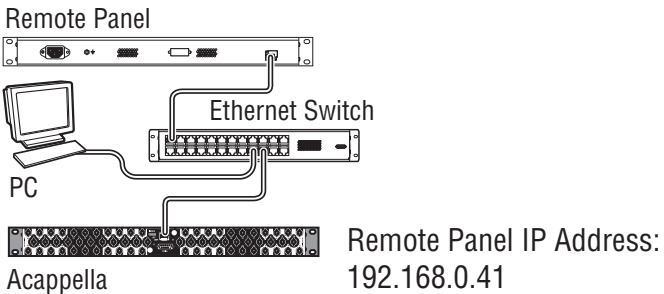
PC



Remote Panel and Switch



Remote panel, Switch and PC

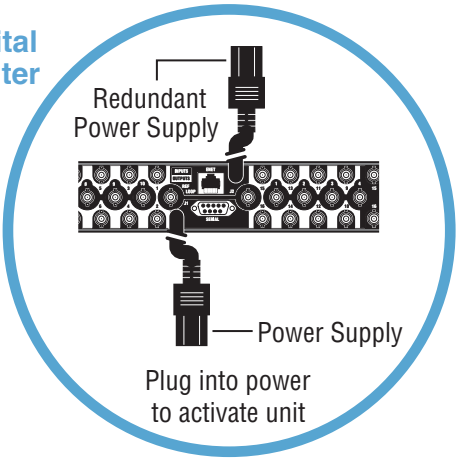


Closed Networks and Acappella Router Systems

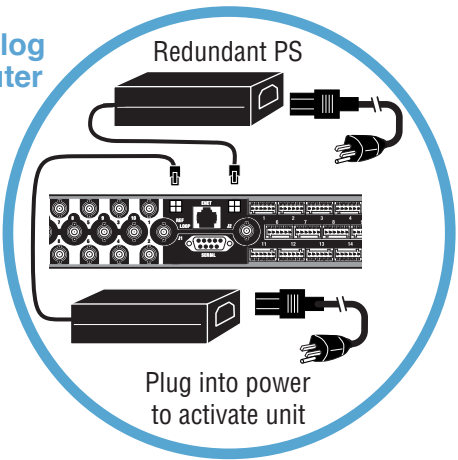
Create closed networks between Acappella Routers, Remote Panels, and PCs using Ethernet cables and/or switches. A closed network is one that is kept separate from other Local Area Networks and the Internet. Use patch cables if you are using switches between the routers, panels, and PCs. It is also possible to use a crossover cable to connect an Acappella Router directly to either a Remote Panel or a PC; this option is only practical in very small systems. One of the five networks shown in step 2 should work for your facility.

4 Connect Power Cords

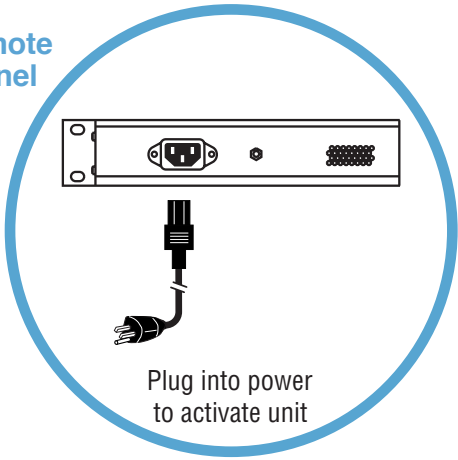
Digital Router



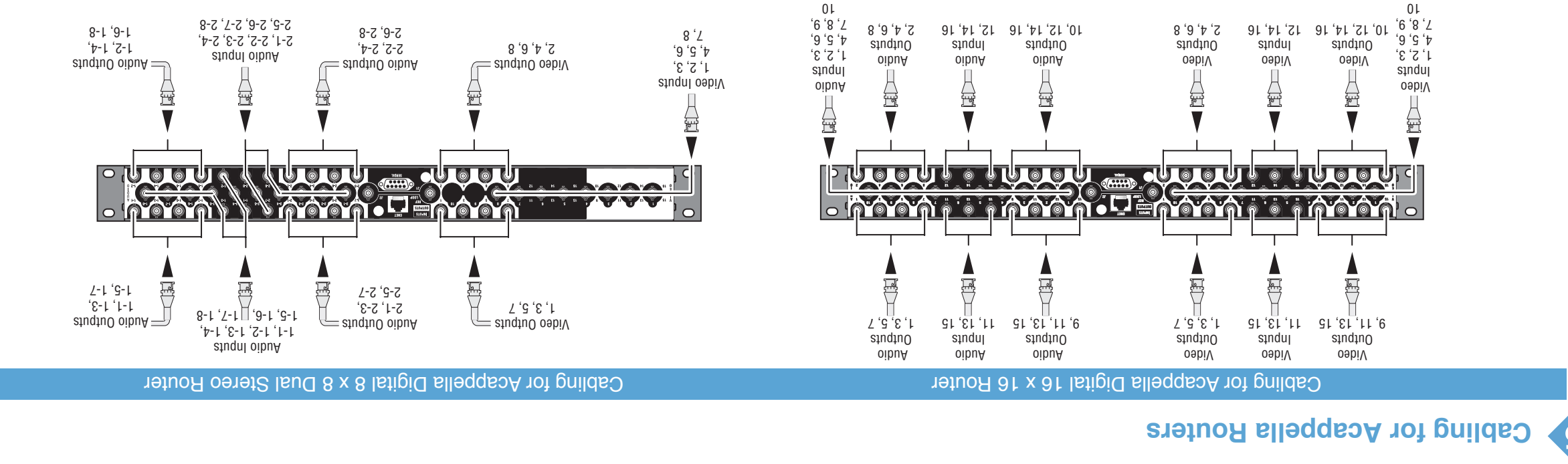
Analog Router



Remote Panel

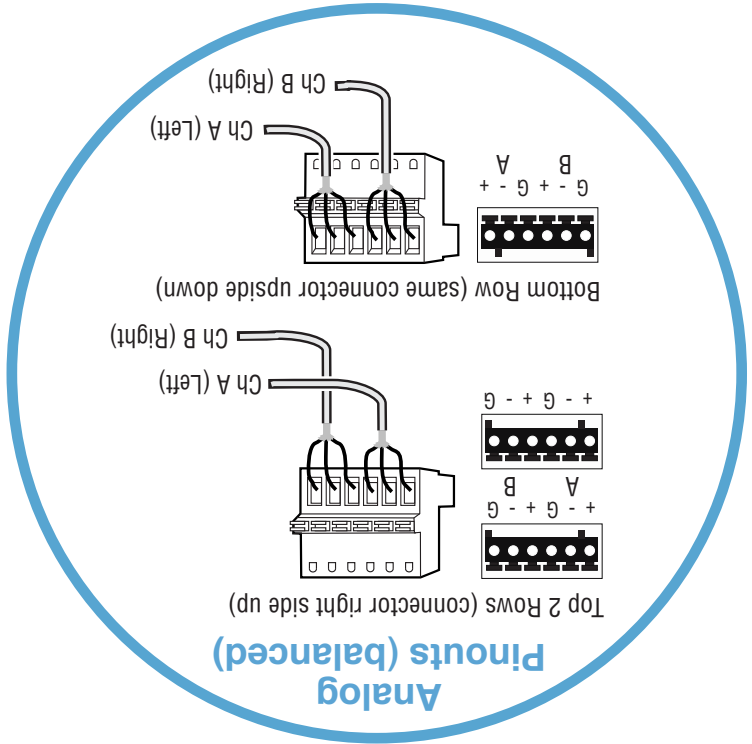
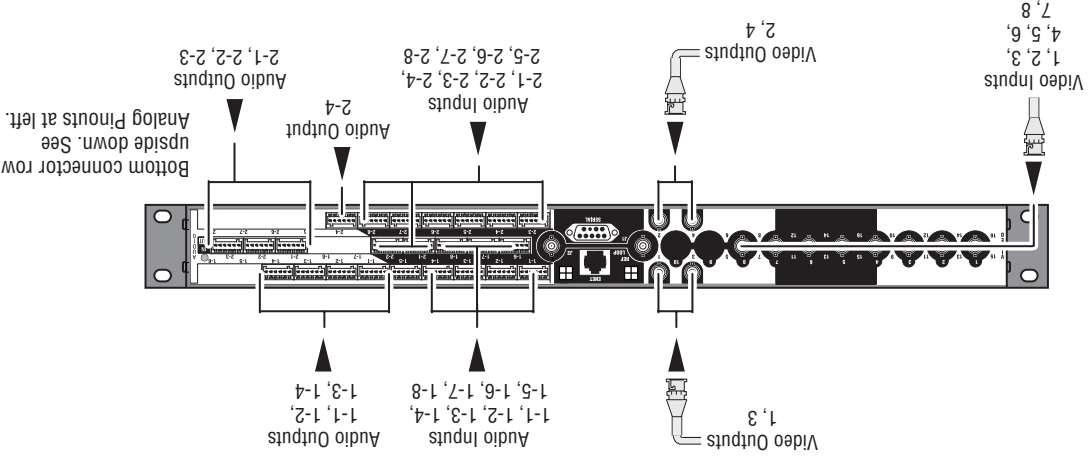
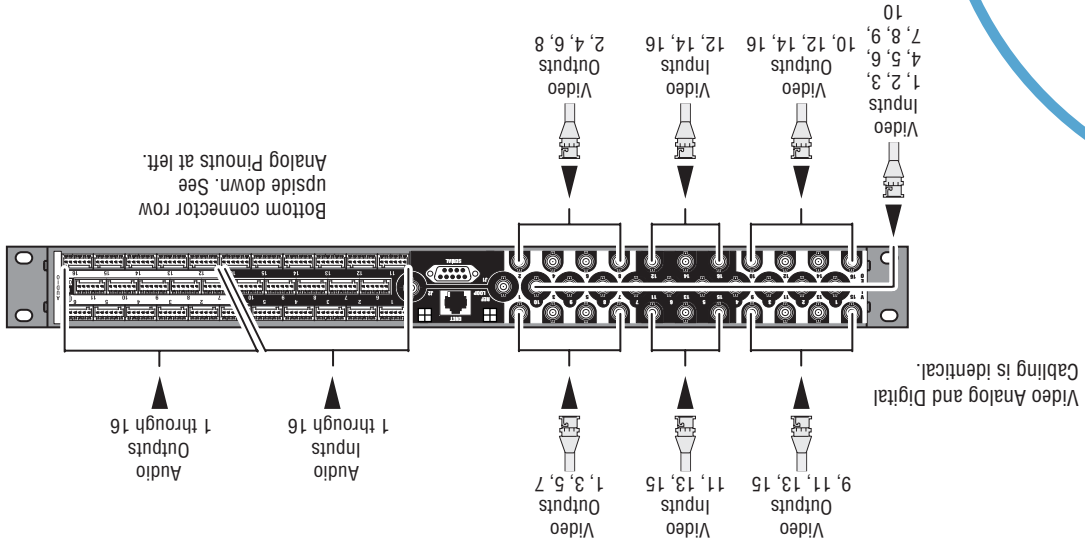


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Cabling for Acappella Analog 16 x 16 Router

Cabling for Acappella Analog 8 x 4 Dual Stereo Router



See the Acappella Instruction Manual for more details.

www.thomsongrassvalley.com

6 Load software

7 View and modify settings

For Router and PC or Router, Remote Panel, and PC