

CABLES FOR INSTALLATION

SOUND CABLES



XLR FEMALE

XLR MALE

- Pro Audio Cable
- Good for long distances
- Carries Balanced audio (+4)
- Each cable (with three wires inside) carries only one channel of audio



PHONO (or 1/4 inch) MALE

- One black ring = mono
- Two black rings = stereo or balanced also known as TRS, tip-ring-sleeve
- You will use the one with one ring in most cases to connect a blu-ray, mac or dvd player to Penn's yamaha speakers. You will need adapters on the other end depending on what device you are connecting it to.



RCA MALE

- Red is Right
- Consumer Audio
- Carries Unbalanced Audio -10
- May also carry video composite signal if there is a yellow cable included in the set



RCA Stereo to Mini Stereo

- for connecting your laptop to a plasma screen (you will also need the HDMI to DVI cable)



MINI MALE

- One black ring = mono
- Two black rings = stereo
- Consumer audio (ipod, walkman etc)

for Large Professional Installations

for small gallery Installations

VIDEO CABLES



hdmi

dvi

- HDMI to DVI cable - FOR VIDEO
- Digital Video Connection
- Can carry Standard or HD video
- if both ends are HDMI (see on right) it can also carry audio - but note - if you are using a macbook connected to a projector or LCD screen - you will need separate cables for audio .



Display Port to DVI connector

- Lets you connect macbook pro to lcd screen or projector, but you will also need a HDMI to DVI or DVI to DVI cable to go from this to the display device.



Component Video Cable - FOR VIDEO

- Best Analog Consumer level Connection
- Can carry standard or HD video
- Good for connecting either DVD or Blu-Ray disc to projector or plasma screens - not as crisp as hdmi - but sometimes it is the only available option.
- one cable carries luminance, the other two carry color info, this does not carry sound - but the cables that sam has have 5 connectors and two of them are for sound.



S-Video Cable

- FOR VIDEO (doesn't carry HD video)
- Better than RCA
- Carries Luminance and Chrominance on separate channels = clearer Picture



RCA -

- FOR VIDEO or Audio
- Carries a composite Signal
- Not as good as options above.
- Does not carry HD video

for Standard or High Definition

only for SD at 29.97