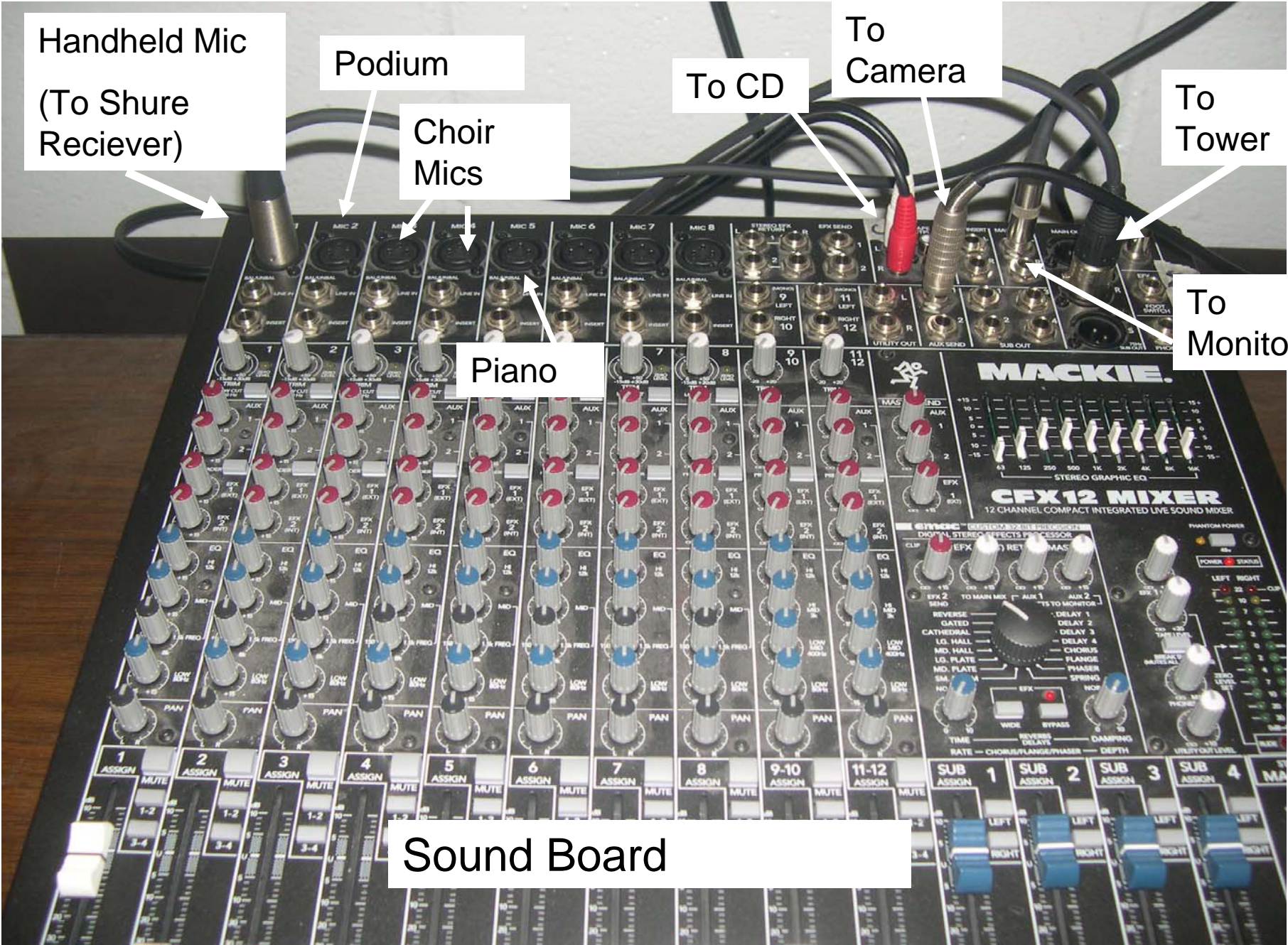




Graduation Setup



Bellevue East High School



Handheld Mic
(To Shure Receiver)

Podium

Choir Mics

Piano

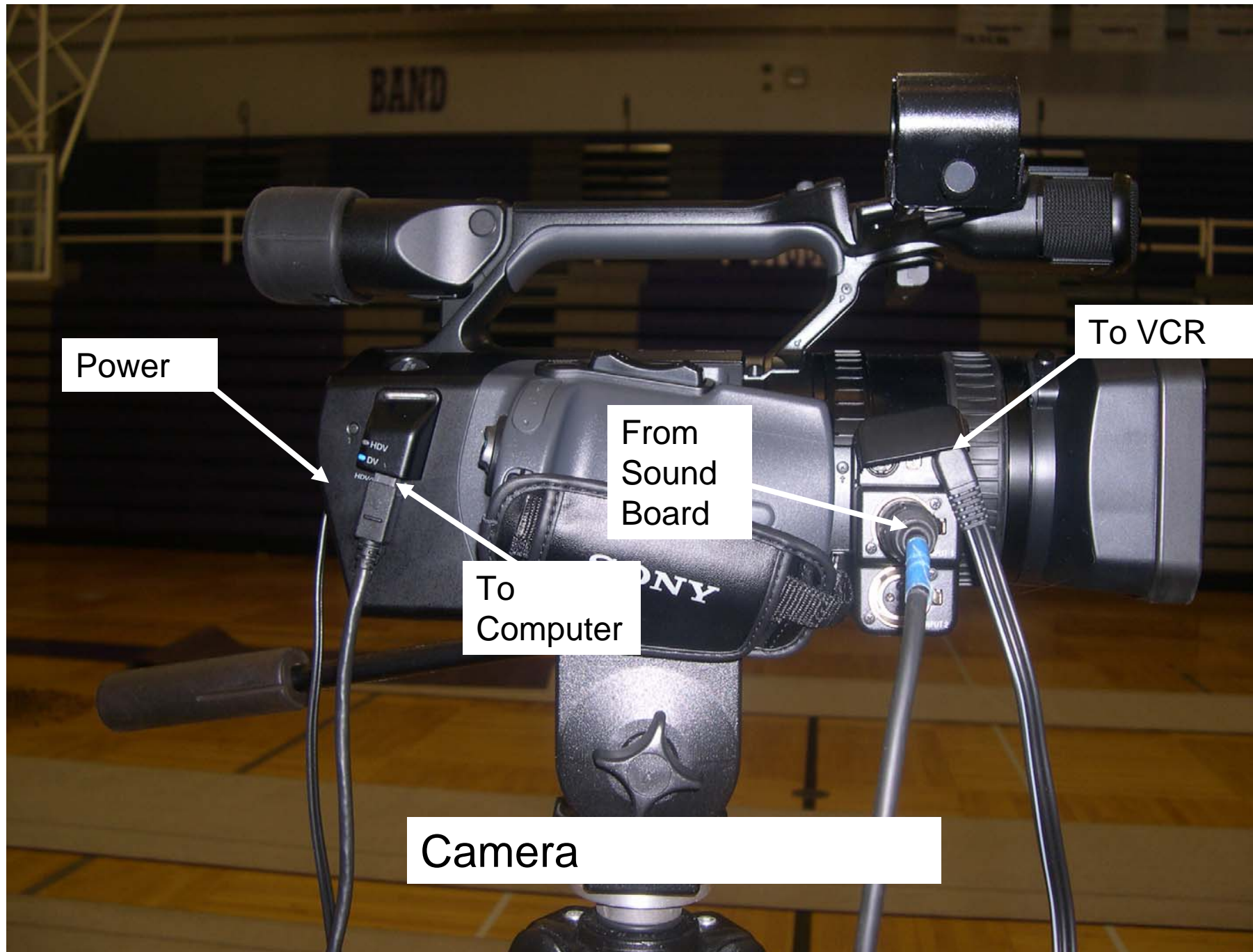
To CD

To Camera

To Tower

To Monitor

Sound Board



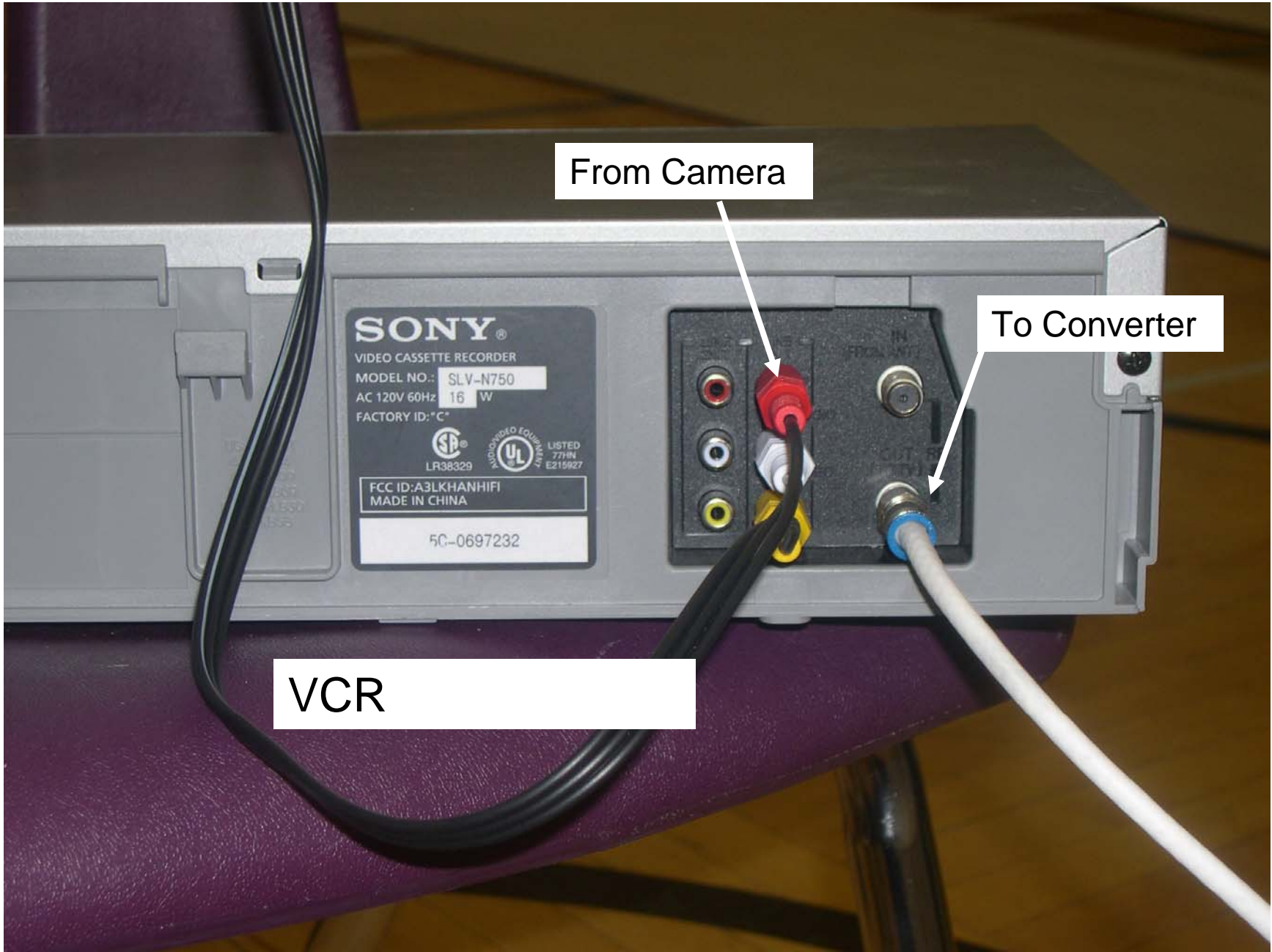
Power

To VCR

From
Sound
Board

To
Computer

Camera

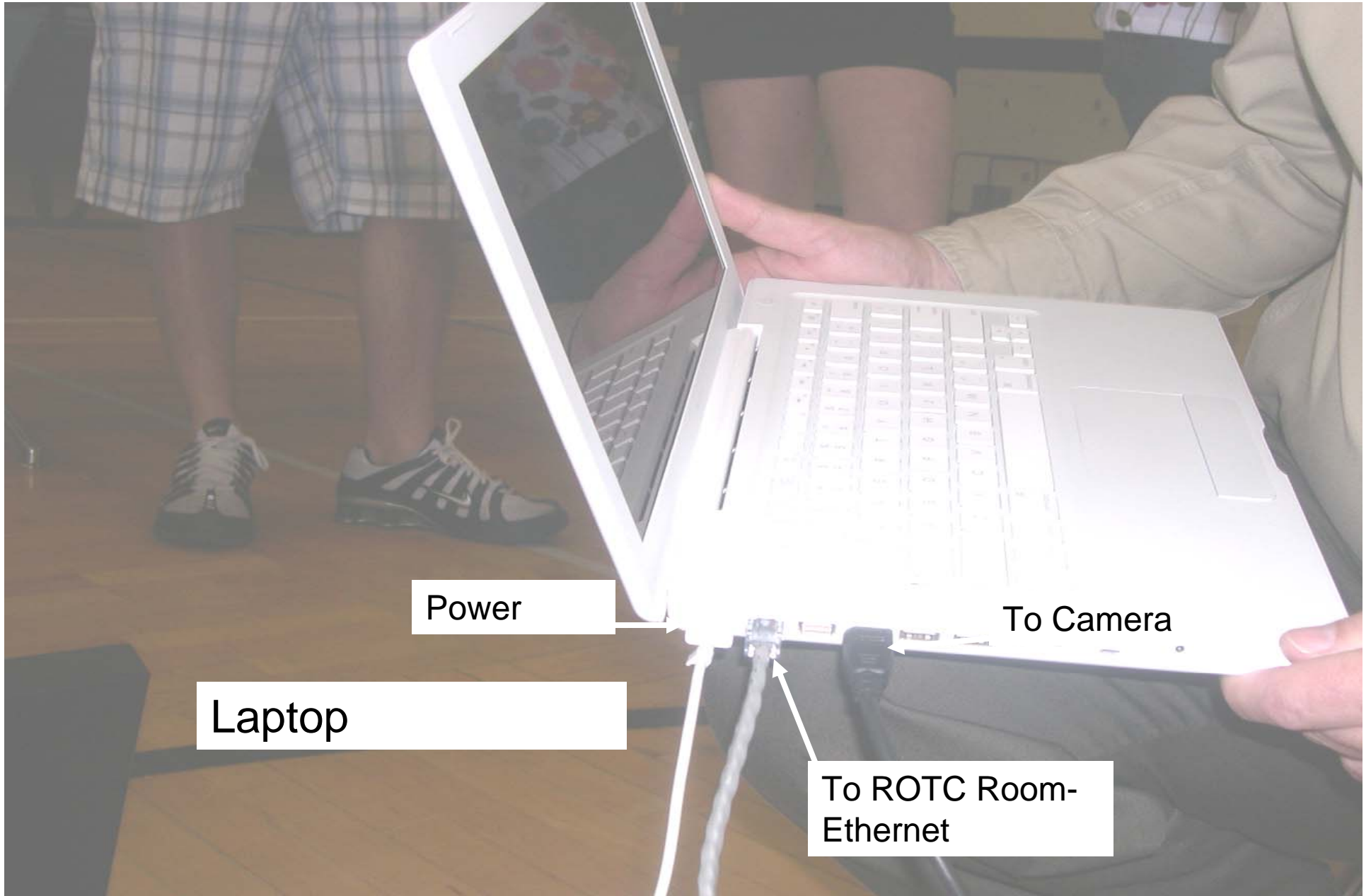


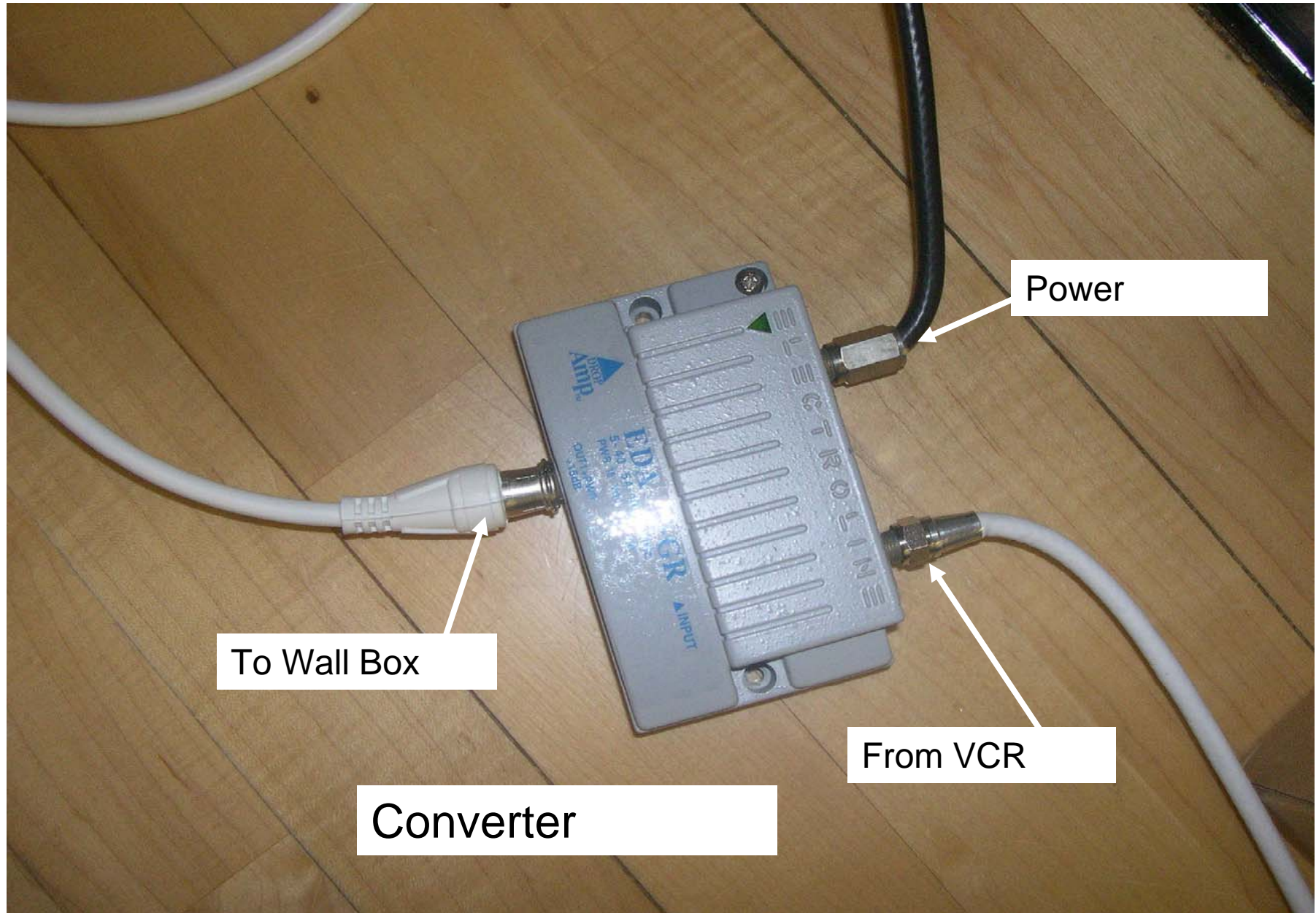
From Camera

To Converter

VCR

MacBook Cables



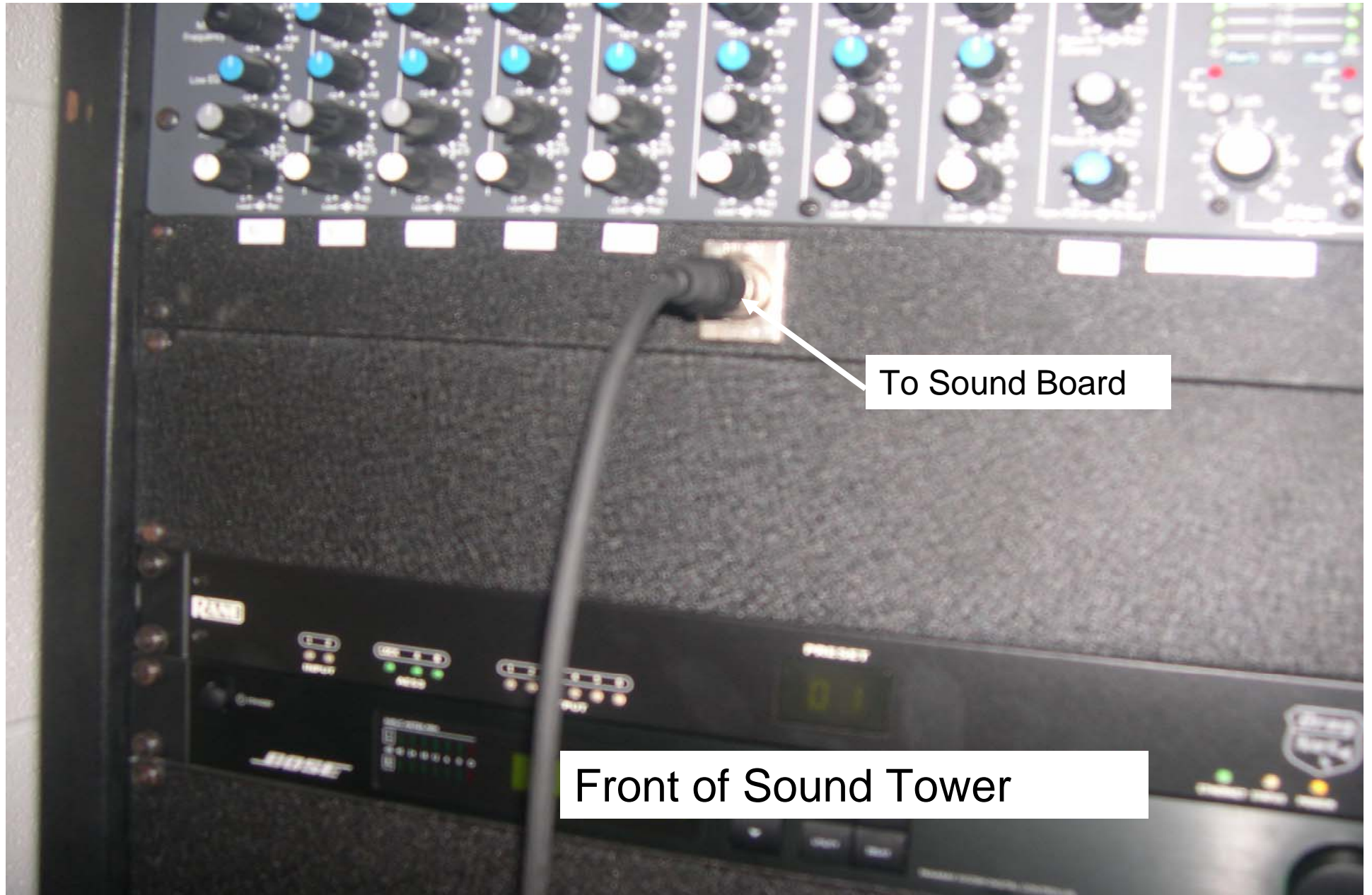


Power

To Wall Box

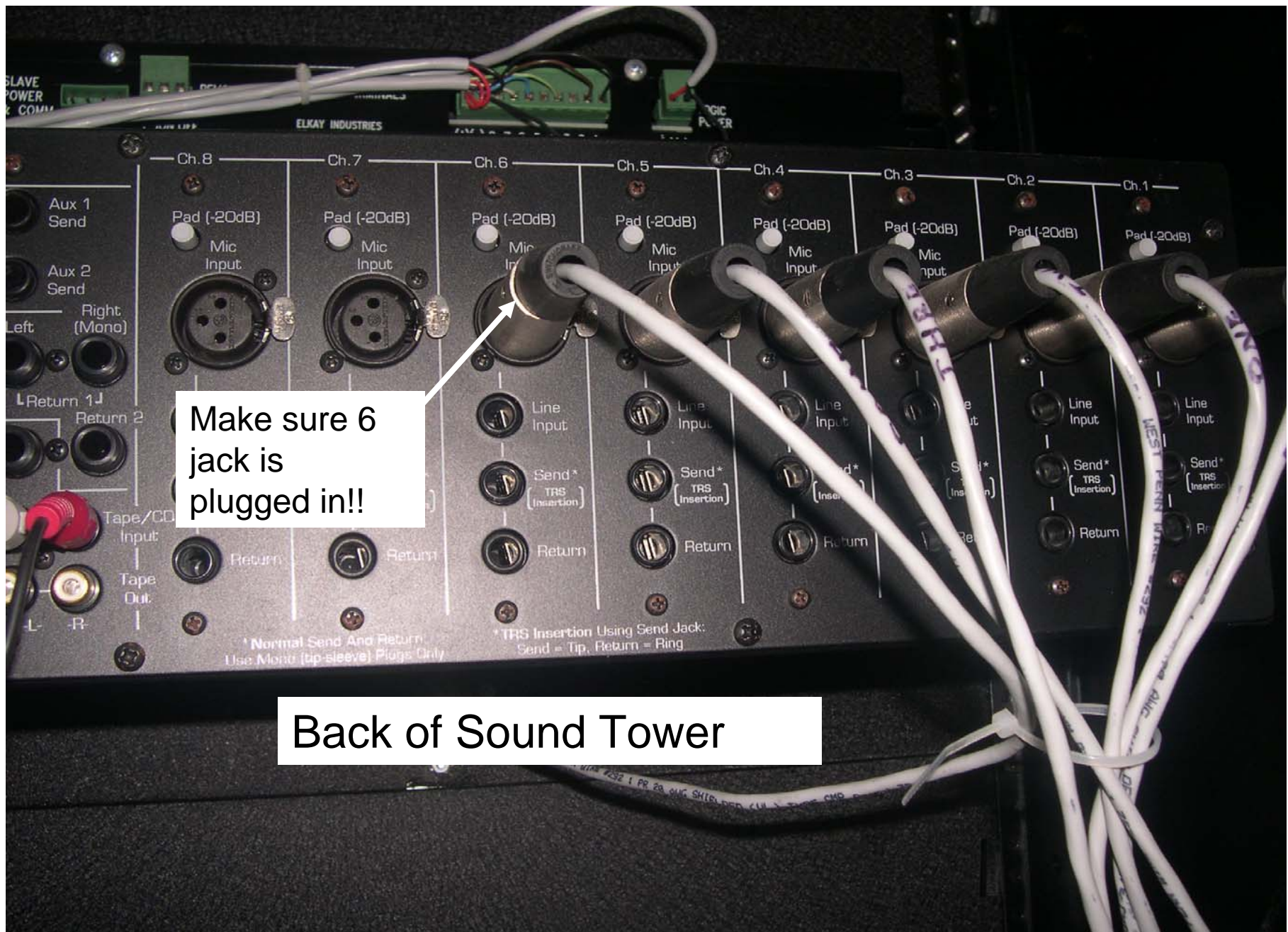
From VCR

Converter



To Sound Board

Front of Sound Tower

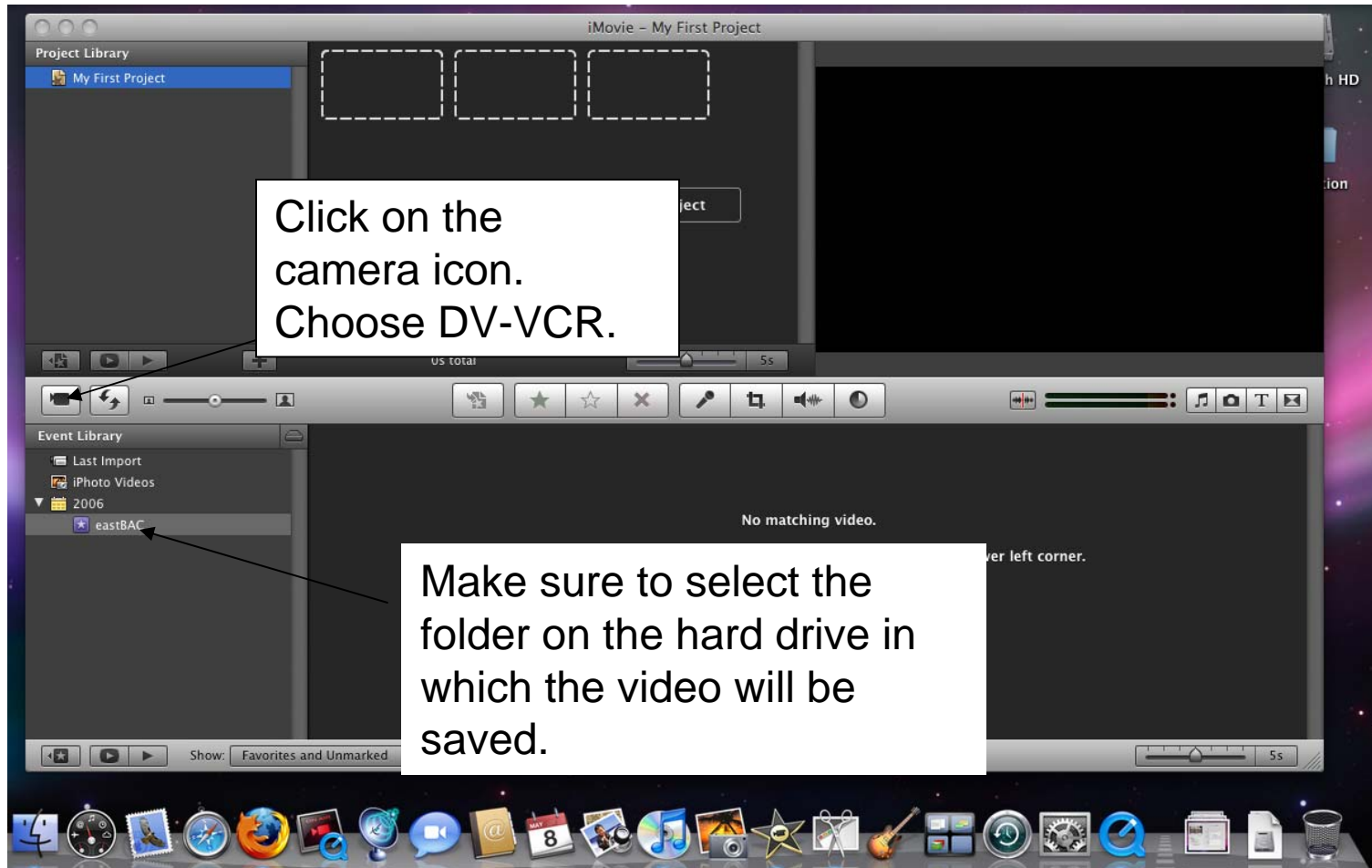


Back of Sound Tower

Baccalaureate

- Computer - Macintosh computer
- Software – iMovie
- Video is not streamed so iMovie is used to capture the video on the hard drive of the Mac.
- Video can be used to create the DVD for students.

iMovie



Settings in iMovie



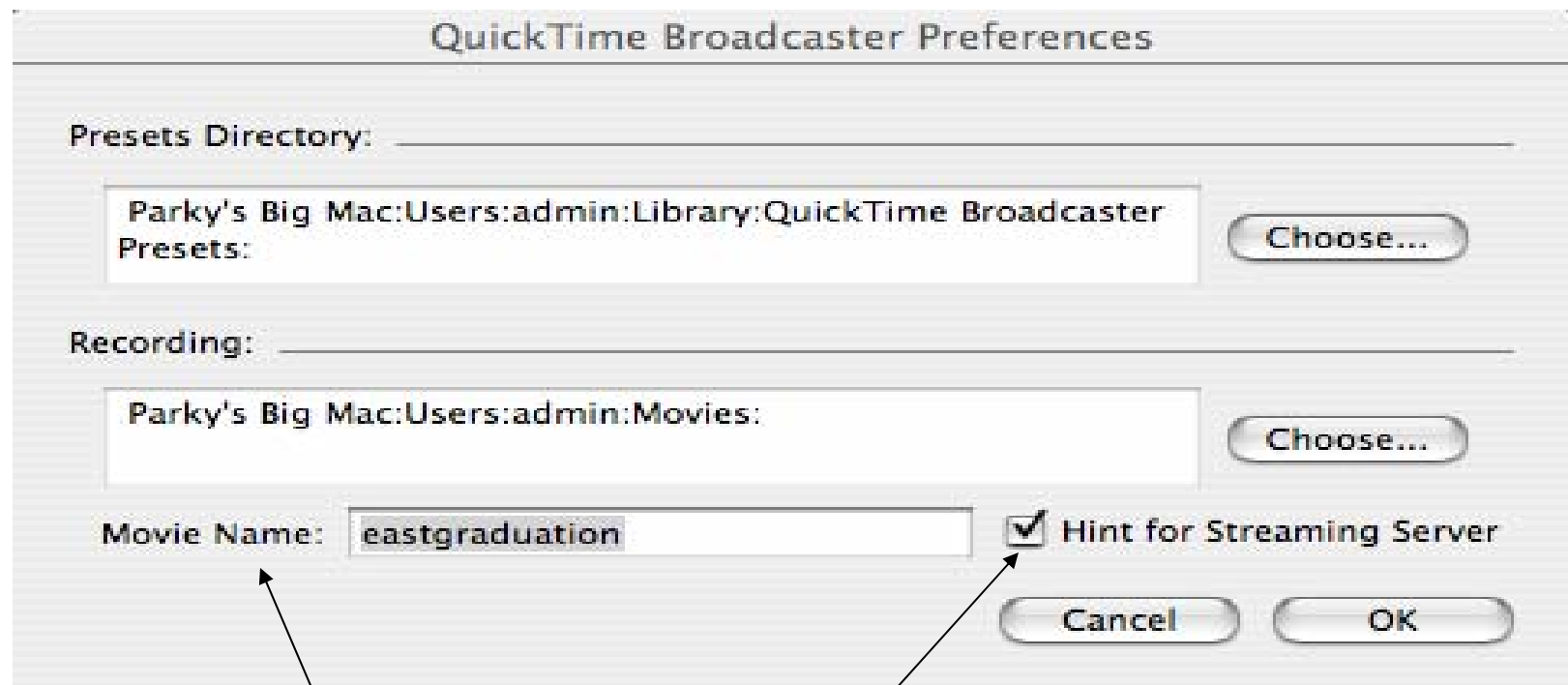
Streaming Setup for Graduation

DETAILS

- Computer - Macintosh Computer
- Software - Quicktime Broadcaster
- Video is streamed and hinted for the web. Video is saved on the Mac hard drive as it is streamed.
- A VHS tape is recorded as a back up
- File is taken from the hard drive and uploaded as a .mov on the server to serve as “on demand” video for the week-end.

QuickTime Broadcaster Settings

Click on Preferences. A box will pop up similar to this one.



Click Hint for Streaming Server
Give the Movie a Name

Quick Time Broadcaster Settings – Audio Tab

The screenshot shows the 'QuickTime Broadcaster' window with the 'Audio' tab selected. The interface includes a 'Preview' window on the left showing a live broadcast of a basketball court. Below the preview are 'Stop' and 'Record to disk' buttons. The 'Broadcast' section displays statistics: Audio Data Rate: -, Video Data Rate: -, Frame Rate: 15.3 fps, CPU Load: 1 - 31%, # Users: -, Total Data Rate: 74.4 kbits, Time: 000:00:13. The 'Location' is set to 'rtsp://streaming.myelearning.org/eastgraduation.sdp'. The 'Audio' settings are as follows: 'Enable Audio Stream' is checked; 'Preset' is 'Custom'; 'Source' is 'Built-in Microphone - Inter'; 'Play-through speaker' is checked; 'Gain' is a slider from 0 to 100; 'Compression' is 'MPEG-4 Audio'; 'Compressor' is 'MPEG-4 Audio'; 'Rate' is '11.025 kHz'; 'Size' is '16 bit'; 'Use' is 'Mono'. Annotations with arrows point to the 'Enable Audio Stream' checkbox, the 'Source' dropdown, the 'Rate' dropdown, and the 'Mono' radio button.

Preview: Source

Enable Audio Stream

Set Source: Change from internal microphone to DV-2 Channel

Make sure rate is 11.025 kHz and that mono is selected.

Audio Video Network

Enable Audio Stream

Preset: Custom

Source: Built-in Microphone - Inter

Play-through speaker

Gain: 0 100

Compression: MPEG-4 Audio Options...

Compressor: MPEG-4 Audio

Rate: 11.025 kHz

Size: 8 bit 16 bit

Use: Mono Stereo

Packetizer...

Stop Record to disk

Broadcast:

Audio Data Rate: -

Video Data Rate: -

Frame Rate: 15.3 fps

CPU Load: 1 - 31%, 2

Users: -

Total Data Rate: 74.4 kbits

Time: 000:00:13

Location:

rtsp://streaming.myelearning.org/eastgraduation.sdp

Hide Details

Quick Time Broadcaster Settings – Video Tab

The screenshot shows the QuickTime Broadcaster interface with the Video tab selected. The interface includes a preview window on the left, a status bar, and a settings panel on the right. Callouts highlight specific settings: 'Source DV-VCR', 'Set width 480 and height to 360', 'Compression to H.264', and '500 kbits/sec'.

Source DV-VCR

Set width 480 and height to 360.

Compression to H.264

500 kbits/sec

500 kbits/sec

QuickTime Broadcaster

Preview: Source

Source DV-VCR

Audio Video Network

Enable Video Stream

Preset: Custom

Source: DV-VCR Options...

Compression:

Width: 480 Height: 360

Compressor: H.264 Options...

Depth: Color

Quality: Least Low Medium High Best

Frames per second: 15

Key frame every 75 frames

Limit data rate to 500 kbits/sec

Frame Reordering

Packetizer...

Stop Record to disk

Broadcast:

Audio Data Rate: -

Video Data Rate: -

Frame Rate: 15

CPU Load: 1

Users: -

Total Data Rate: 70.0 kbits/s

Time: 000:00:09:20

Location: rtsp://streaming.myelearning.org/eastgraduation.sdp

Hide Details

Quick Time Broadcaster Settings – Network Tab

The screenshot shows the QuickTime Broadcaster interface with the Network tab selected. The interface includes a preview window on the left showing a basketball court, a 'Broadcasting' indicator, and a 'Stop' button. The main settings area on the right has tabs for Audio, Video, and Network. The Network tab is active, showing a 'Preset' dropdown set to 'Custom', a 'Transmission' dropdown set to 'Automatic Unicast (Announce)', and several input fields: 'Host Name' (streaming.mylearning.org), 'File' (eastgraduation), 'Username' (streaming), and 'Password' (masked with dots). There is also a 'Buffer Delay' field set to 3 and a checked 'Broadcast over TCP' checkbox. A 'Hide Details' button is at the bottom right. Annotations include a box pointing to the 'Stop' button with the text 'Click Start Broadcast' and another box pointing to the 'Host Name' field with the text 'Hostname: streaming.mylearning.org', 'File: eastgraduation or west graduation', and 'Username/Password: Streaming'. The bottom left of the interface shows broadcast statistics: '# Users: -', 'Total Data Rate: 126.9 kbits/s', 'Time: 000:00:16:18', and 'Location: rtsp://streaming.mylear... eastgraduation.sd'.

QuickTime Broadcaster

Preview: Source

Audio Video Network

Preset: Custom

Transmission: Automatic Unicast (Announce)

Host Name: streaming.mylearning.org

File: eastgraduation

Username: streaming Password:

Buffer Delay: 3 Broadcast over TCP

Annotations:

Stop Record to disk

Broadcast:

Users: -

Total Data Rate: 126.9 kbits/s

Time: 000:00:16:18

Location: rtsp://streaming.mylear... eastgraduation.sd

Hide Details

Click Start Broadcast

Hostname:
streaming.mylearning.org

File: eastgraduation or west graduation

Username/Password:
Streaming

Sony Model HDR-Zin Camera Settings

Camera Video Settings:	
Push Pic Profile	
Set the Camera to PP2	
Use the SEL / PUSH EXEC to select pp2	
Audio Settings:	
<u>Set to XLR CH1 / CH 2</u>	
Press Menu	
Select Audio Set	SEL/PUSH EXEC
Mic Select	SEL/PUSH EXEC
Select SCL	SEL/PUSH EXEC
Select SCL Set	SEL/PUSH EXEC
Select XLR CH Set	SEL/PUSH EXEC
Select CH 1/CH 2	SEL/PUSH EXEC
Set the Inputs to ON	SEL/PUSH EXEC
Press MENU button	

Viewing the Graduation

Requirements for streaming graduation video:

High speed internet connection (not a dial-up connection)

Quicktime installed

- Can be downloaded for free at <http://www.apple.com/quicktime>
- You will need at least version 7.4
- System requirements are list on the QuickTime webpage
- Both Windows and Mac platforms
(You do not need to upgrade to QuickTime 7 Pro)

To view the live stream:

East High School graduation will use this link:

<http://streaming.myelearning.org/eastgraduation.sdp>

West High School graduation will use this link:

<http://streaming.myelearning.org/westgraduation.sdp>

This will start at approximately 9:00 am (Central daylight savings time) or 14:00 GMT

Other time zones can be determined at:

<http://www.timezoneconverter.com/cgi-bin/tzc.tzc>

To view the on demand stream:

East High School graduation will use this link:

<http://streaming.myelearning.org/bellevue/eastgraduation.mov>

West High School graduation will use this link:

<http://streaming.myelearning.org/bellevue/westgraduation.mov>

The videos will also be available on demand throughout remainder of the weekend, after graduation. This feature will start at approximately 1:00 pm (Central daylight savings time) or 18:00 GMT