Technology Enhanced Classroom Training

Installed Audiovisual Equipment

- Video/Data Projector
- Crestron control system with Touchpanel
- Device Connections (VGA & HDMI)
- A network connection with cable
- Sound System
- Blu-Ray Player

This training applies to these rooms:

PCAC M223

Visit UNH Audiovisual Services online for more information at:

http://it.unh.edu/av

If you are in the classroom and need immediate assistance, please call the Audiovisual Services HOTLINE at 862-2467.
Technology Enhanced Classroom Operation

Locate the Crestron touchpanel in the classroom. It will be located in the front of the room or mounted on the wall near the teaching location. The touchpanel casing may be black or white colored.

**Touch the START button on the touchpanel to begin** using the AV system. You may need to press the panel twice if the panel is in sleep mode (blank screen).

You will now see the Main Page. This is where you select the source you want to view by pressing the corresponding button. **Sources available in this room are: VGA, HDMI, RCA and Blu-Ray**

Buttons with a GREY background have no signal going to them, and cannot be selected. *(May be connected correctly but device is either asleep, powered off or has incorrect display settings).*

Buttons with a WHITE background can be selected and projected.

The button with a GREEN background is the source that is currently selected and projecting.
In this picture, the VGA cable has been connected to a device, the video signal has been detected (WHITE background) and is ready to be displayed.

After manually selecting a source when the projector is off, you will be prompted to choose “Audio only” or “Audiovisual” mode. Choose Audio Only if you only need audio, choose Audiovisual if you need audio and video projection.

In this picture, the VGA source has been selected on the touchpanel and is currently projecting (GREEN background).

After selecting an active source, the projector will turn on, and the touchpanel will display the Projector Warming Up page. Your image will begin to project after about 60 seconds.

If you see this “No signal detected” page, it means that the system is not detecting active video signal from your device. Make sure the device is turned on, awake and the VGA or HDMI cable is securely connected on both ends of the cable. Still seeing this page? Visit the next section of this document for tips for connecting your device.
Using your device with the AV system

If you are using a device that does not have VGA or HDMI output, you will need to bring your display adapter. The type of adapter you will need is determined by your device and the type of cable you wish to connect with.

**Supported connection types:**

![VGA](image1.png)  ![HDMI](image2.png)

Common adapter types include Apple Thunderbolt to VGA or HDMI and DisplayPort to VGA or HDMI. Contact the UNH Computer Store (603-862-1328) with information about your device and they will help you find the adapter you need to connect to a classroom AV system.

**To begin:** Select VGA or HDMI (depending on how you connected your device) as the input source on the Main page on the touchpanel.

**If projector does not turn on, or the video signal is not detected by the system (GREY source background on touchpanel), make sure your laptop is sending out a video signal.**

**To check your display settings:**

For Mac laptops: Open system preferences and click “Displays”. If you see a “Detect Displays” button, click it. In this menu, click on the “Display” tab, make sure both screen resolutions are set to 1280x800 (should be set automatically by the system). Next, click on the “Arrangement” tab. Locate the “Mirror Displays” check box. Ensure this box is checked.

For Windows 7&8 users, press and hold the WINDOWS key and press the P key. Then select your display method. Most likely you want to choose DUPLICATE.

For older versions of Windows, press the “Fn” key along with either the key labeled CRT/LCD or this icon: ![CRT/LCD](image3.png)

If none of the above solutions are successful projecting your device, make sure the VGA or HDMI cable is securely connected to your adapter and/or device, and restart the device with the cable plugged in.
Using the Controls page

At any time you can touch the CONTROLS button. This will bring you to the CONTROLS Menu.

There are two horizontal status bars on the bottom of the Touchpanel. The colored (yellow to red) bar will show the volume output of the system. The white bar will show microphone volume output (if equipped).

To change the volume of sources (Blu-Ray, HDMI, VGA, RCA Input) use the blue buttons labeled VOLUME UP, VOLUME DOWN, and VOLUME MUTE.

You can also mute the display of the video/data projector by pressing the red VIDEO MUTE button. The projector will power off if muted for longer than 10 minutes.

The projection screen control is also located on this page. Use the button labeled SCREEN to raise or lower the projection screen.

Press the LEFT ARROW button at any time to go back to the Main page.
Using the Blu-Ray Player

When you select Blu-Ray as your source, the Blu-Ray controls page will appear.

From the Blu-Ray controls page, you can press the "More controls" button for additional control of Blu-Ray player functionality.

Press the LEFT ARROW once to go back to the Blu-Ray menu, or twice to return to the Main page.
Shutting Down the Audiovisual System

When you are ready to shut down the audiovisual system, press the **SHUTDOWN** button on the main page.

The Shutdown page will appear. To shut down the audiovisual system, press the blue **SHUTDOWN AV SYSTEM** button.

To cancel shutdown, press the LEFT ARROW button to return to the Main page.

After confirming system shutdown, the touchpanel will display the Projector Cooling Down page and the projector will cool down and turn off within 60 seconds.

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