

### Overview

Ludwig Rooms 002, 008, and 017 are equipped with Crestron wall control systems. Using this system, users can connect devices via VGA, HDMI, and Solstice wireless display sharing or view a camera feed of Room 010. The system is operated from a push-button wall panel. HDMI and VGA devices can be used by connecting a cable to wall plate ports.

### Getting Started

- At the control panel, select **POWER ON**. In Room 002 and 008, this will turn on the display monitor. In Room 017, this will turn on the data projector.

### Using a Laptop or Other Portable Device via Wired Connection

- It is possible to present from a laptop, tablet, phone, or other portable device. Portable devices use a variety of display ports, many of which are unique to that device. If your device does not have a VGA or HDMI port, you will need to provide a VGA or HDMI adapter to use your device.
- Connect a HDMI or VGA cable to the port in the wall plate. If you are using the VGA cable, connect the audio portion of the cable to the audio port next to the VGA port. Connect the other end of the cable to your device or adapter. If using the VGA cable, plug the audio portion in to your headphone jack.
- On the control panel, select the appropriate button, depending on which cable you are using: **VGA or HDMI**.
- Turn on your device.
- To control the volume level, adjust the use the volume buttons on the wall panel. You will also need to raise the volume on your device.

### Using a Laptop or Portable Devices via Solstice

#### If you are using a laptop

- The first time you connect wirelessly, you will need to download a free application. To do so, connect your laptop to the Internet, open your web browser, and visit the web address displayed on the monitor. Click on the **Connect!** button to download the app.
- After the download finishes, open the "SolsticeClient" App on your device.
- Enter your name and press continue. This name will be used to indicate to the class who is presenting and will be saved for future classes.
- Select the **Enter IP** tab, enter the IP address displayed on the monitor, and press **Go**.
- Enter the Screen Key displayed on the monitor and press **Ok**.
- There are various sharing options:
  - Press **Desktop** to send everything on your computer screen to the monitor. You may share audio from your computer by turning **Desktop Audio** to **On**. If the volume on the RRC is not raised, return to the Controller and raise the slider.

- Press **App Window** to select an open window on your computer to send to the monitor.
- Select **Media File** to select a file on your computer to display.
- Use the **Stop Sharing** button to end sharing.
- Users may share multiple images from the screen simultaneously. At the same time, multiple users can share images at once. To relocate, remove, or add back in shared images, click on Control in the left side bar. If multiple windows are shared, click and drag on an image to relocate it. To remove an image, drag it to the left side bar. Add it back in by dragging it back on to the main area. In the bottom bar, right click on a user to access the ability to show their images, hide their images, stack their images, or delete them.

#### If you are using a phone or tablet

- The first time you connect wirelessly, you will need to download a free application. To do so, connect your device to the Internet. Open your app store and download **Solstice Client**.
- Open the **SolsticeClient** App.
- Enter your name and press continue. This name will be used to indicate to the class who is presenting and will be saved for future classes.
- Select the **Enter IP** tab, enter the IP address displayed on the monitor, and press **Go**.
- Enter the Screen Key displayed on the monitor and press **Ok**.
- Use the various sharing options to send images to the display:
- Users may share multiple images from the screen simultaneously. At the same time, multiple users can share images at once. To relocate, remove, or add back in shared images, click on the control tab above your user icon, indicated by four squares. If multiple windows are shared, click and drag on an image to relocate it. To remove an image, drag it to the left side bar. Add it back in by dragging it back on to the main area. In the bottom bar, click on a user to access the ability to show their images, hide their images, stack their images, or delete them.

### Using the Room 010 Camera Feed

You can watch video and audio from Room 010.

- On the wall panel, select **FROM ROOM 10**. The camera feed will display on the room's display
- Use the volume buttons to adjust the audio level.

*The DCS Help Desk and Campus Staff are available for assistance whenever classes are in session.*

## Digital Classroom Services

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