Cisco SX Series

Velocity Integration Note

Integration Note

Version 1.0

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Version Information

This section lists document revisions.

Version	Date	Notes
1	Aug 2019	Initial release
2	May 2020	Updated for Velocity FW Version 2.1.0
3	Sept 2021	Updated for Velocity FW Version 2.3.0
HR 1.0	October 2026	Converted to the Hall Research document format. Support and web links changed to Hall Research.

Sales & Customer Support

Main Office (US)	Hall Research, 1234 Lakeshore Dr Suite #150, Coppell, TX 75019
Support Hours	Monday – Friday, 8:00 a.m. – 6:00 p.m. (CST)
Website	https://www.hallresearch.com
Product Page (AT-VGW-HW-T1)	https://www.hallresearch.com/product/AT-VGW-HW-T1
Product Page (AT-VGW-HW-T2)	https://www.hallresearch.com/product/AT-VGW-HW-T2
Product Page (AT-VGW-SW)	https://www.hallresearch.com/product/AT-VGW-SW

IMPORTANT: Visit https://www.hallresearch.com/product/AT-VGW-HW-T1 or https://www.hallresearch.com/product/AT-VGW-HW-T2 or https://www.hallresearch.com/product/AT-VGW-SW for the latest firmware updates and documentation.

Warranty

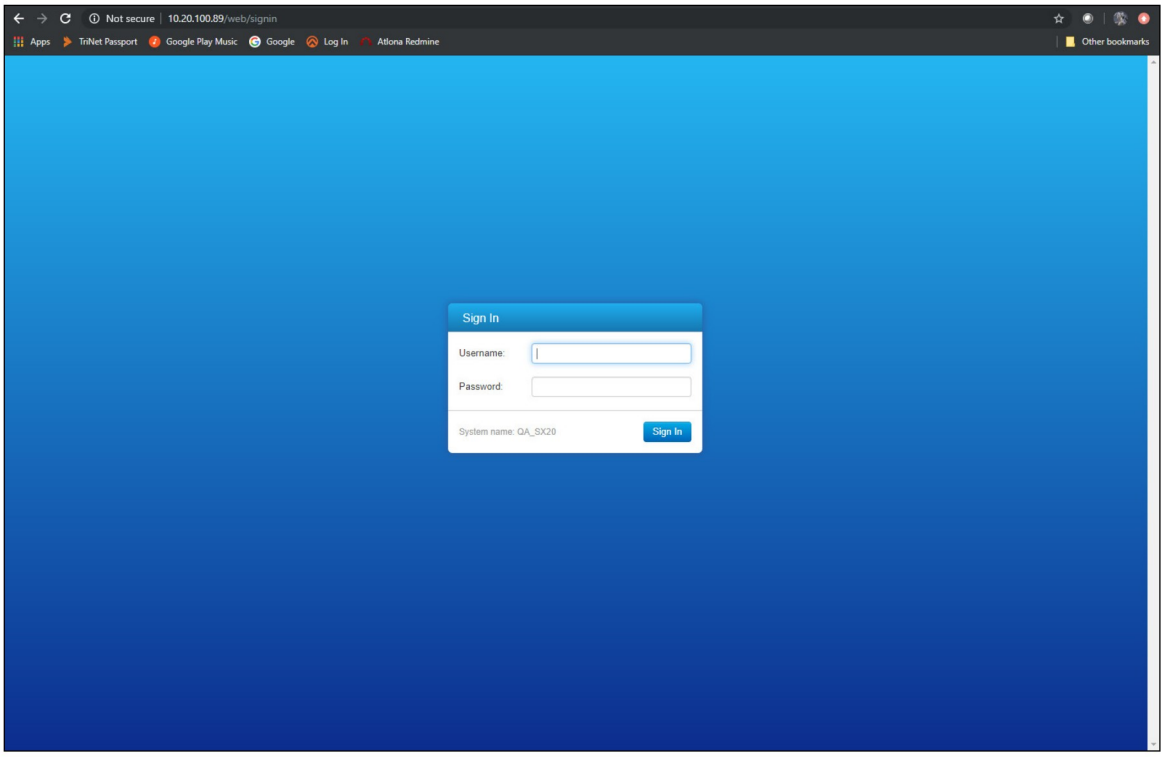
To view the product warranty, use the following link: https://hallresearch.com/warranty

Integration Note

Velocity is an easy to use control system, designed to ensure all devices can be integrated into a system without a large amount of programming needed. Velocity provides an easy way to set up and control a Cisco SX series. This is for control with Velocity Touch Panels, see the Touch10 integration note for instructions to set up Velocity, the SX20, and the Touch10.

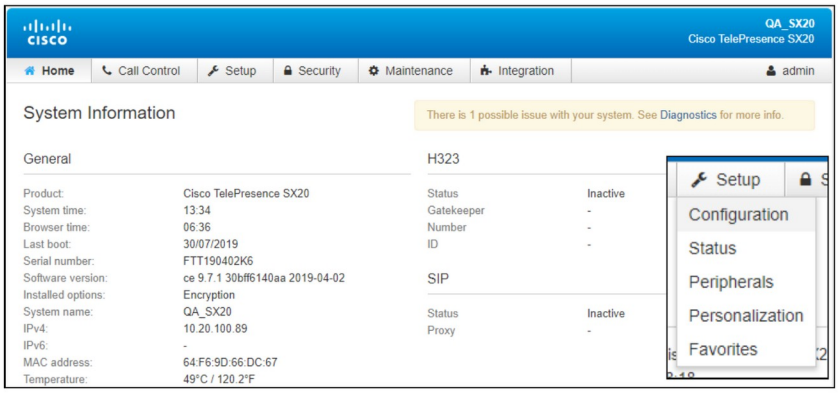
NOTE: The following instructions will show the SX20 but the instructions are the same for all Cisco SX series products.

1. Once all the devices are on the network and their IPs found, open a browser on a local network computer.
2. Type in the IP of the SX20 into the browser address bar.

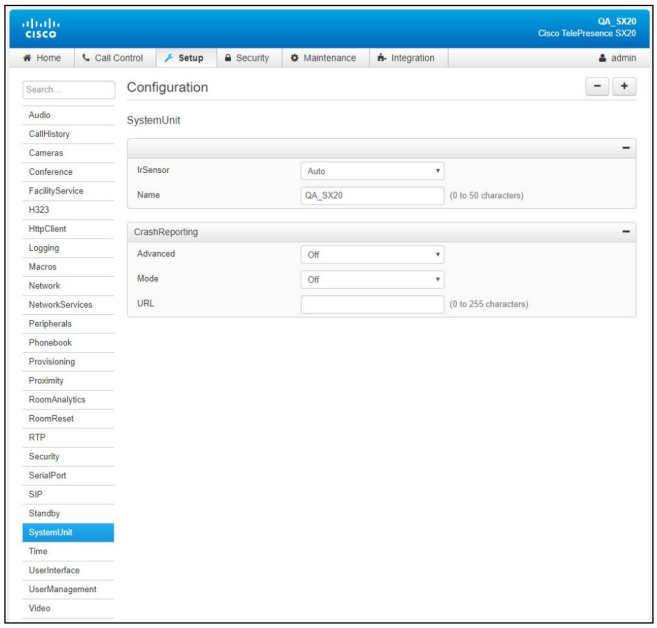


3. Enter the Username and Password for the SX20. By default the username and password will be admin / admin. A new screen will open.



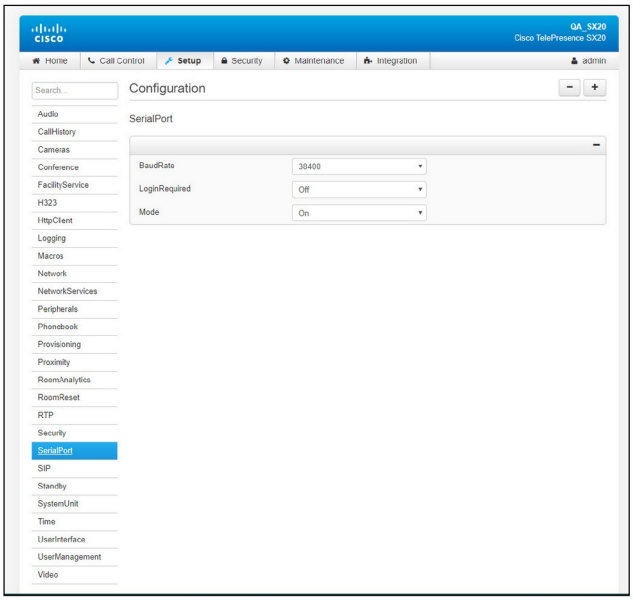


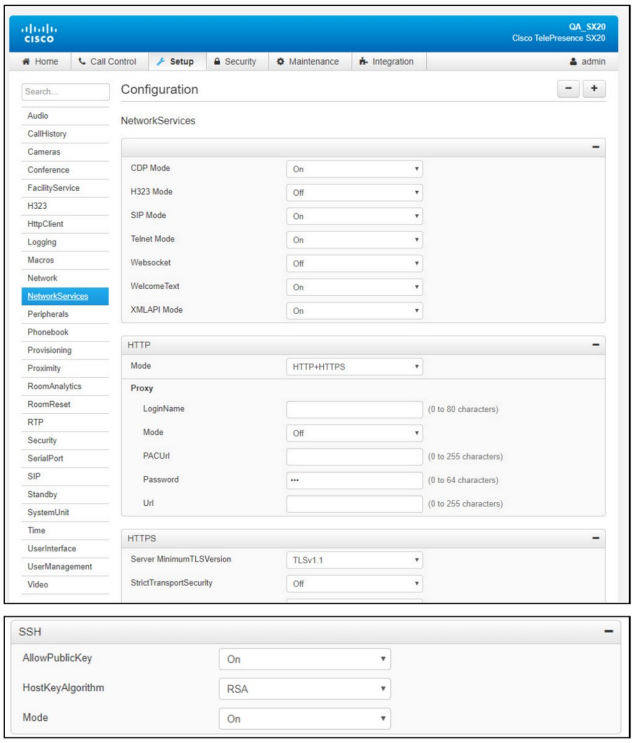
4. Username and Password can be updated at this time, if not updating, move on to the next step.
5. Select **Setup: Configuration** from the top navigation. A new screen will open.



6. Enable control for the unit. a. To enable **serial** control, select **SerialPort** from the side menu and select **On** from the Mode drop down menu.

b. To enable **SSH** control, select **NetworkServices** from the side menu and scroll to the SSH section. Select **On** from the Mode drop down menu and ensure AllowPublicKey is On as well.





7. Once control has been enabled, open a new tab or type Velocity's IP address into the current address bar.

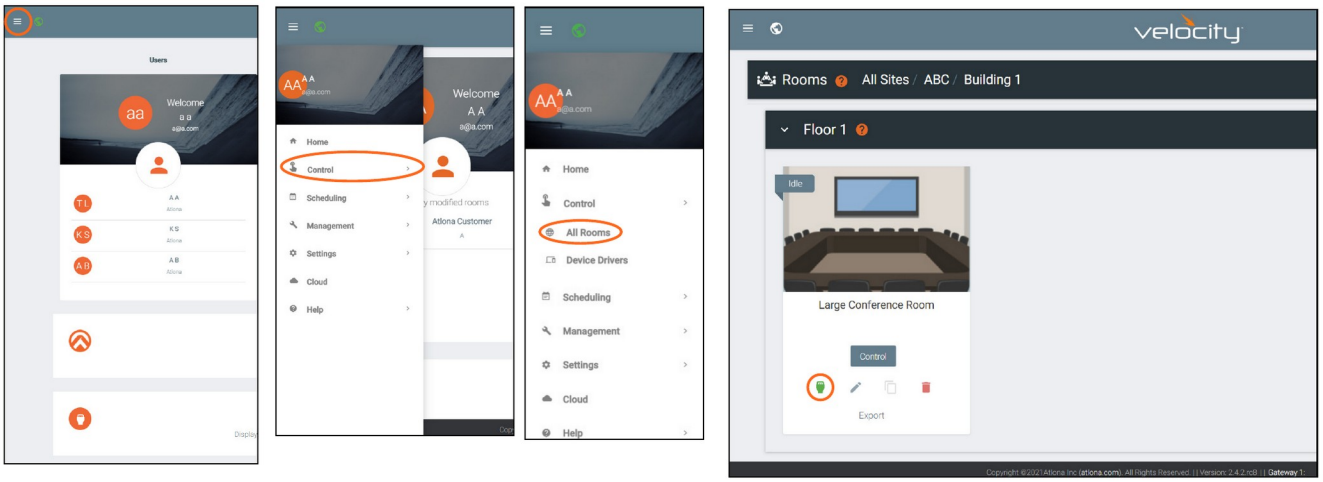


8. Log into Velocity. A new screen will open.

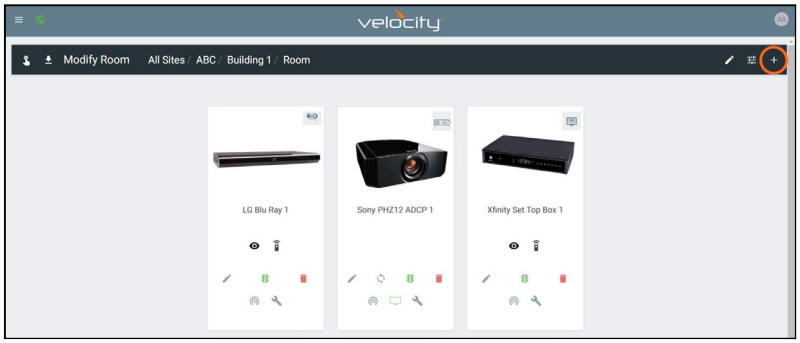
NOTE: It is best to have set up Velocity before starting SX20 integration. If Velocity has not been set up at this time, download the manual from https://www.hallresearch.com/product/AT-VGW-HW-T2, and follow the setup instructions.



9. Log into Velocity. A new screen will open.
10. Locate the ≡ in the top left corner of the home page and left click to open the menu.
11. Select **Control** from the menu. New options will appear.
12. Select **All Rooms**. A new screen will open.
13. Select the **Edit Room Technology** button.

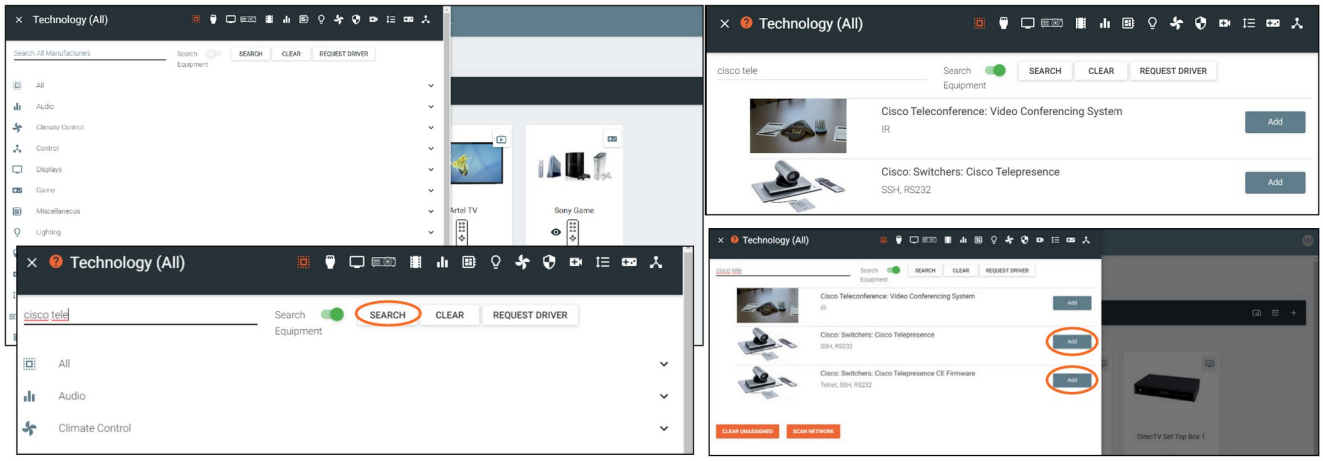


14. Once the Modify Room page is open, select the **+** button. A new navigation will slide open.

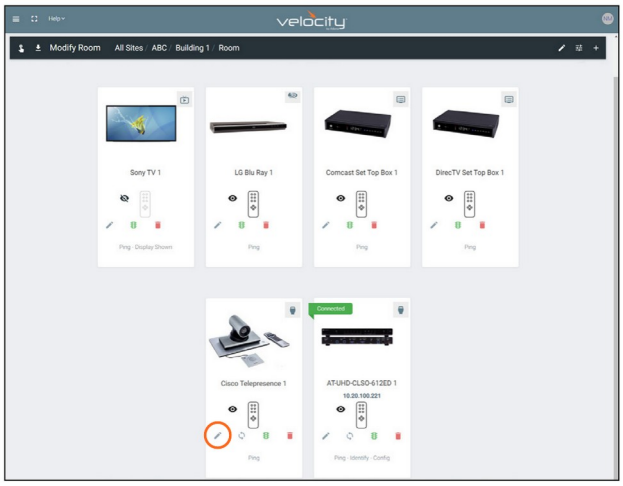


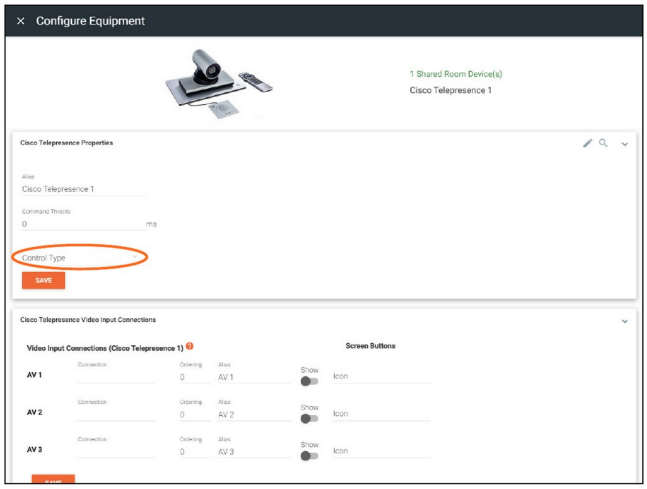
15. Type cisco tele into the search field and press enter or the SEARCH button.

16. Select the **Add** button next to Cisco: Switcher: Cisco Telepresence or Cisco: Switcher: Cisco Telepresence CE Firmware. The navigation will close and the Cisco Telepresence will appear in the room.



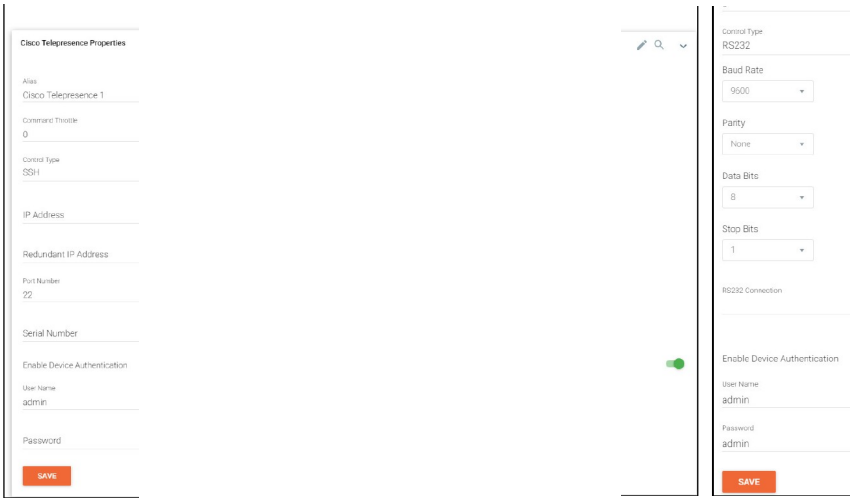
17. Select the **edit** button on the Cisco Telepresence tile. A new menu will slide open on the left side of the screen.



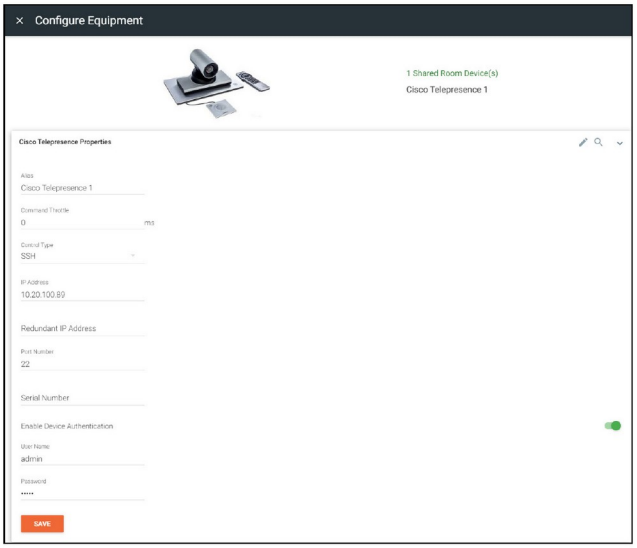


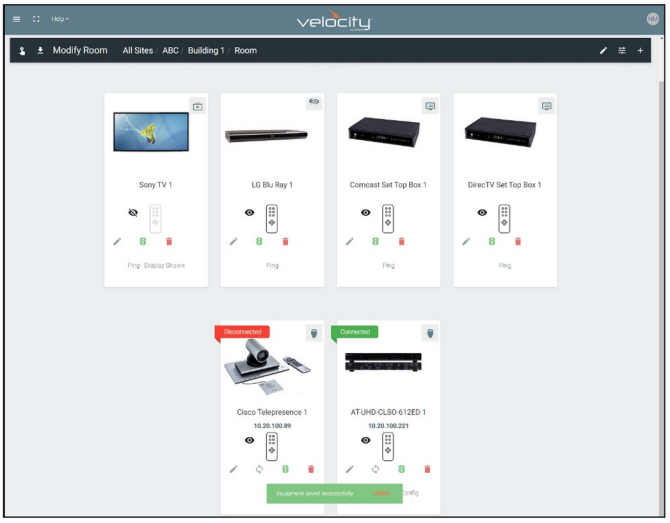
18. Select **SSH**, **Telnet**, or **RS232** from the Control Type drop down. New information fields will open.

NOTE: Serial control does not support authentication.

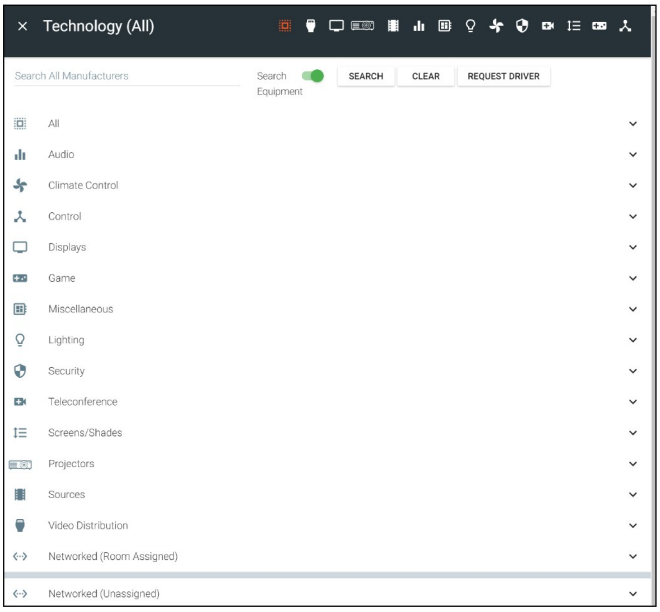


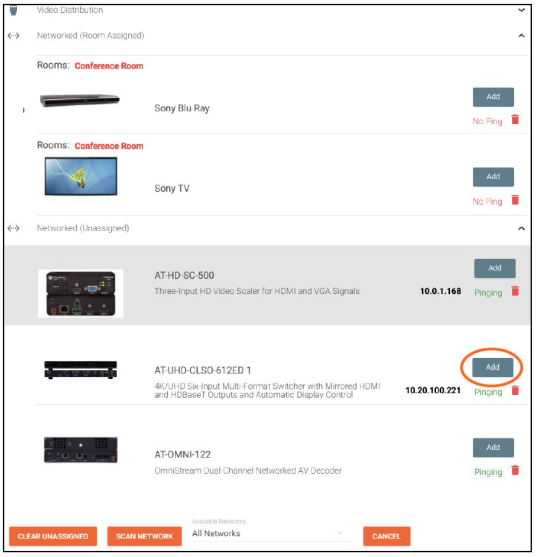
19. Enter the IP address, username, and password for SSH or enter baud parameters and disable authentication for RS-232.
20. Select **SAVE**. The edit screen will close and the Cisco Telepresence driver will show disconnected shortly while establishing a connection between the unit and Velocity.





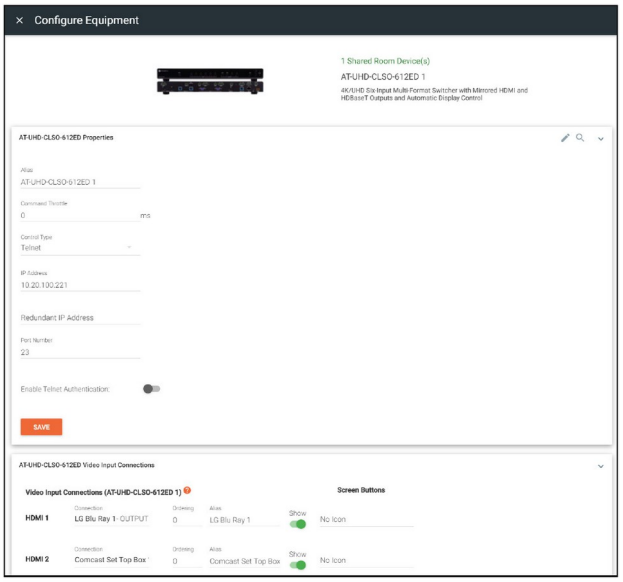
21. Add all the Atlona switcher, all sources, and a display to the room.

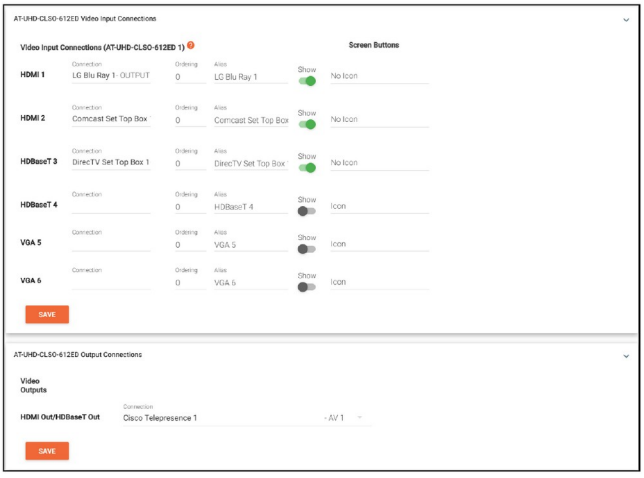




a. Select the + button to open the Technology menu. b. Search by name or go through the device type fields. c. Press the add button next to the device name. d. Edit each device with the control type and parameters. e. Add the sources to the switcher's input. f. Add the Cisco conference device to the switcher's output.

NOTE: Cisco Telepresence must be put as the switcher's output, do not skip this step.





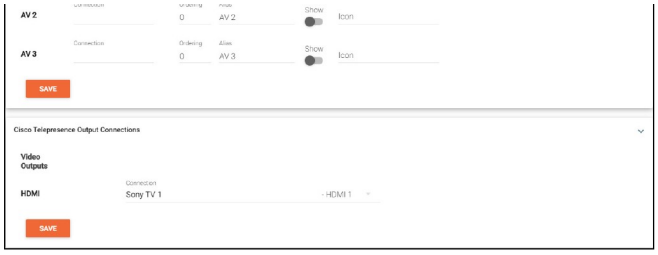
22. Select the **edit** button on the Cisco Telepresence tile.

23. Scroll to the Video Input section and select the AV source. By default the Show slider will be selected. With a switcher, this should be disabled, select the slider so that it turns grey.



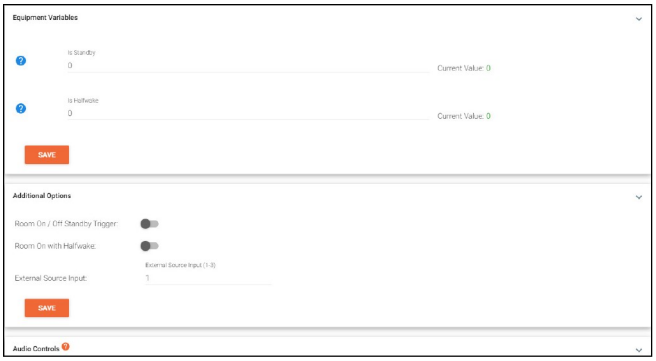
24. Select the display in the Output section.

NOTE: The display must be set to the Video Output, do not skip this step.





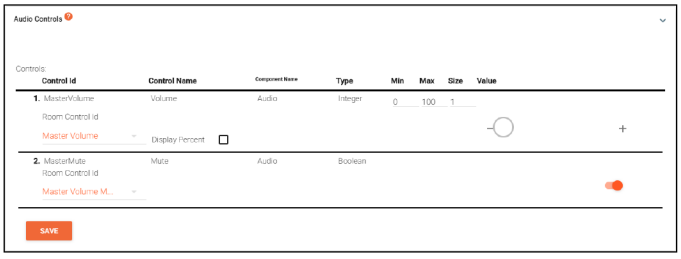
25. Scroll to the Variables and Additional Options sections.



The Variables section is for status verification. Only Standby will be used for the standalone SX20 set up. When the standby value is 0, the unit will be in standby mode. When the value is 1, the unit will be awake.

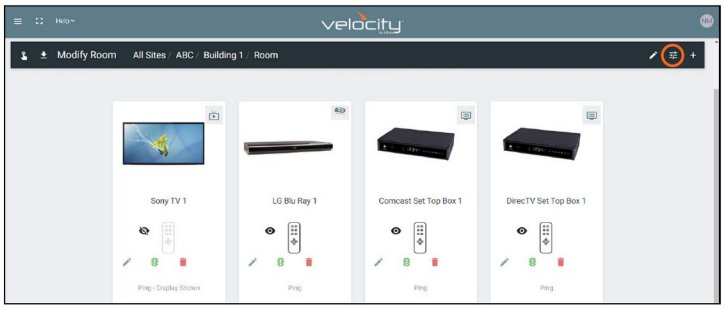
The Additional Options are for automation and status. Only the Room On/Off Standby Trigger will be used. When active (green), the room on/off trigger will activate when the SX20 goes into or out of standby mode. External Source Input will display the current source, such as the switcher added to the input section earlier.

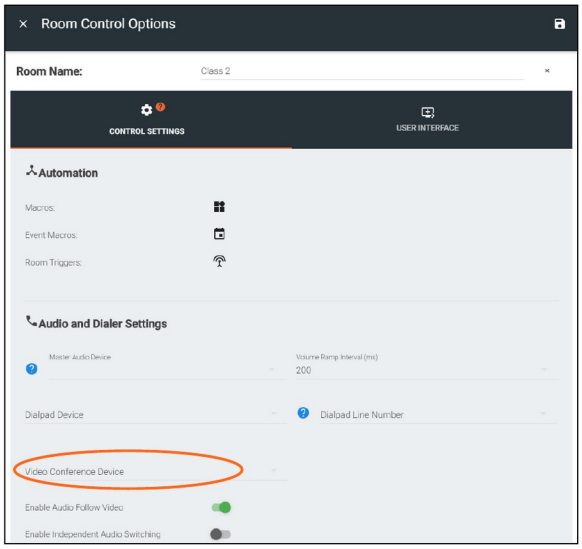
26. Scroll to the Audio Controls section.
27. Select **Master Volume** for the Control ID MasterVolume and **Master Volume Mute** for MasterMute. This will assign the conference page volume slider to these functions.



28. Select the **SAVE** button. The device will cycle to disconnected until the settings apply.

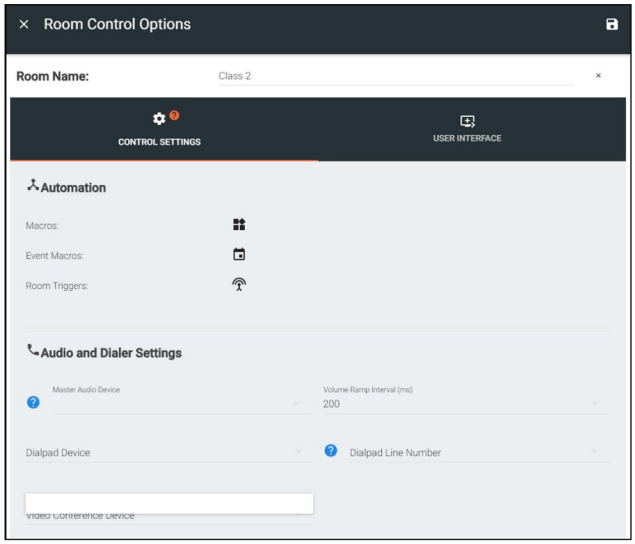
29. Select the **Room Options** button on the top right of the Modify Room page. A new menu will slide open.

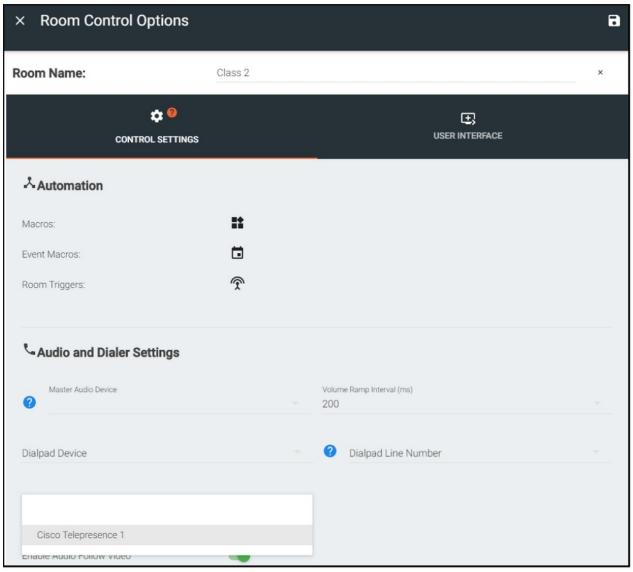


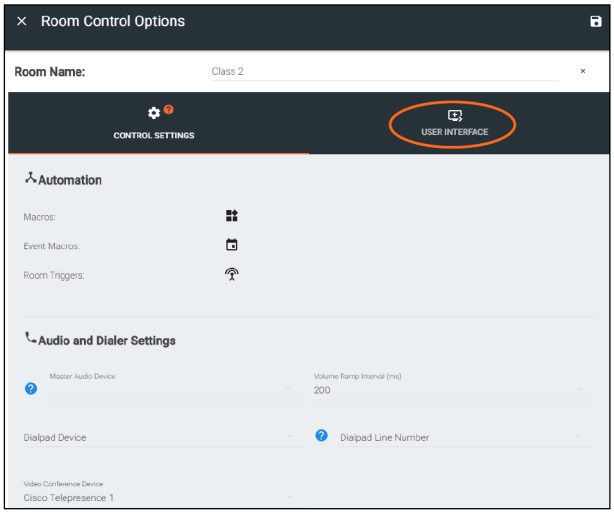


30. Select the Cisco Telepresence from the **Video Conference Device** drop down menu.

NOTE: If the Cisco Telepresence does not appear in the drop down menu, refresh the page.

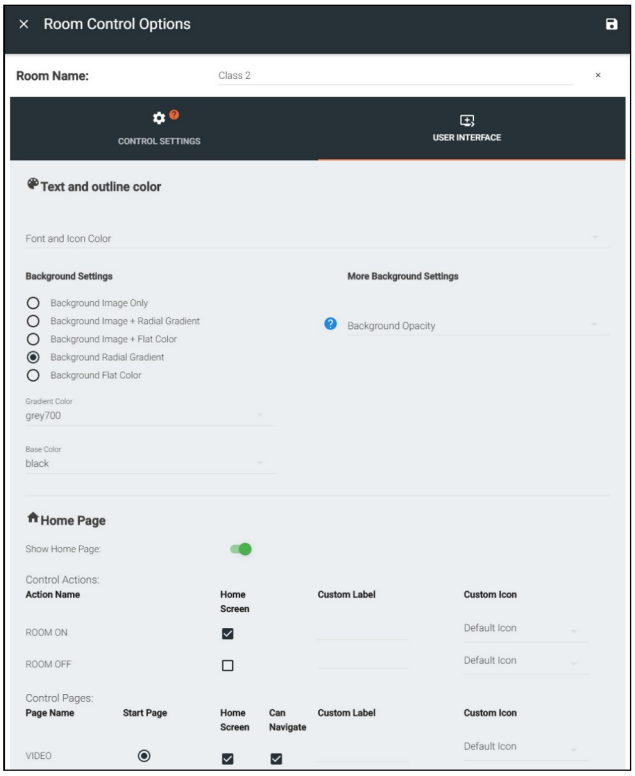


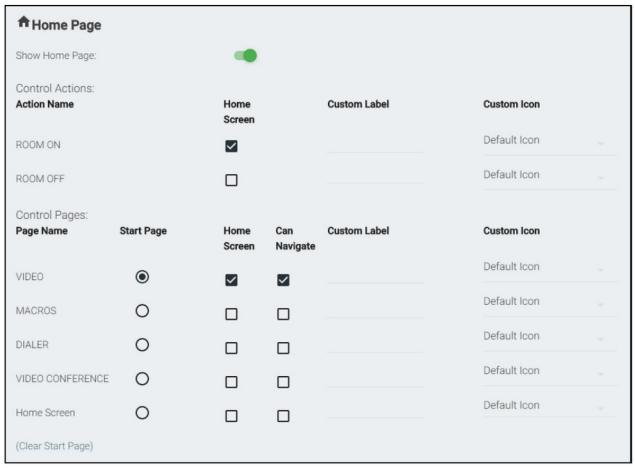


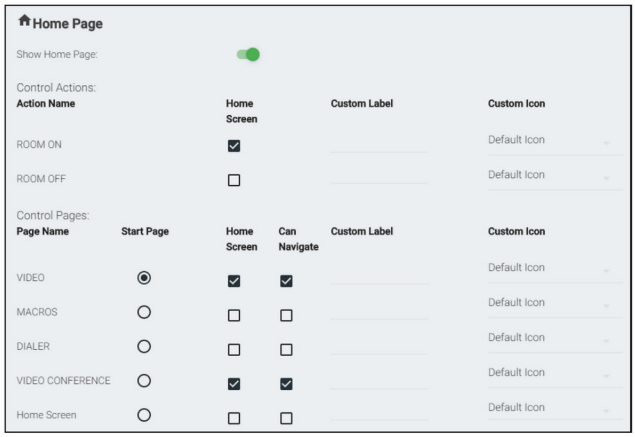


31. Once the Cisco Telepresence appears in the Video Conference Device field, select the **User Interface** tab on the top right.
32. Scroll to the Home Page section.
33. Find the VIDEO CONFERENCE page name and activate the page icon to appear in either the navigation, home screen, or both. The conference page can also be set as the control's start page if desired, the home page will need to be turned off for it to start right into the VIDEO CONFERENCING page.

34. Press the **Save** (disc) button at the top right of the navigation. The menu will save and close.



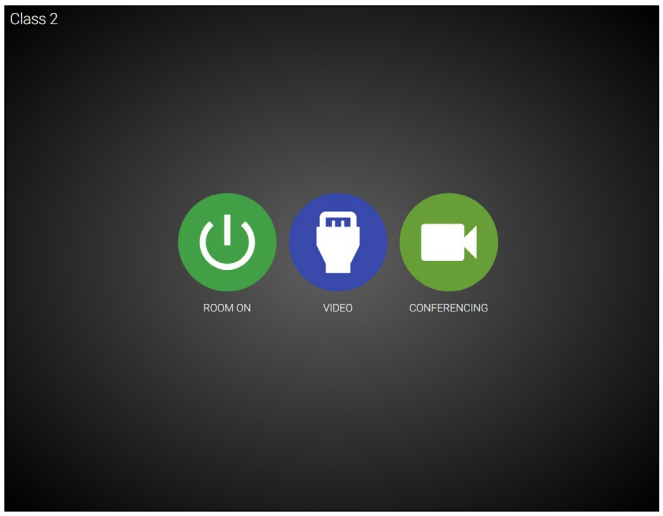


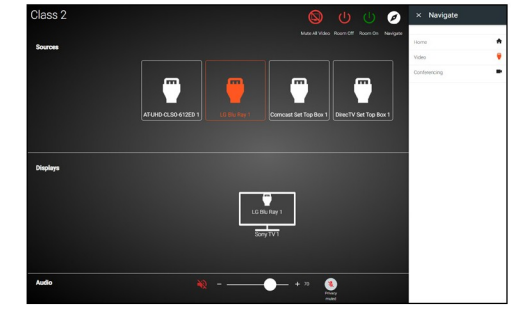


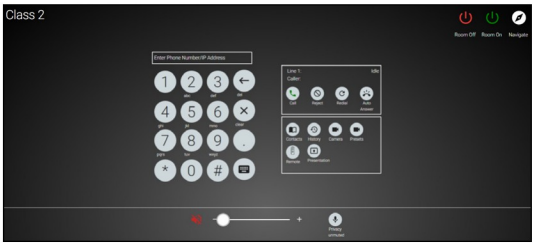
The SX20 is now ready to use with Velocity Touch Panels (AT-VTP-800/550) or other control screens.

> **NOTE:** This configuration will not work with the Touch10. View the Touch10 integration note to set up Velocity and the SX20 to work with the Cisco Touch10.

Launch the control screen to go over the different conference page options.

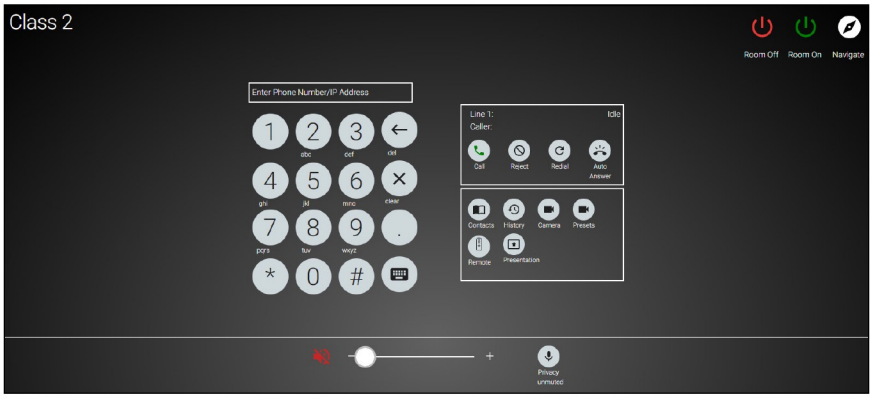






If the conferencing icon was added to the **home page**, select the CONFERENCING icon. If the conferencing icon was added to the **navigation menu**, select ROOM ON and choose conference from the nagation menu.

- If the confereince page was set as the start page with the home page turned off, it should launch when the control is opened.



The page will display an address bar, dial pad, call buttons, option buttons, and audio options.

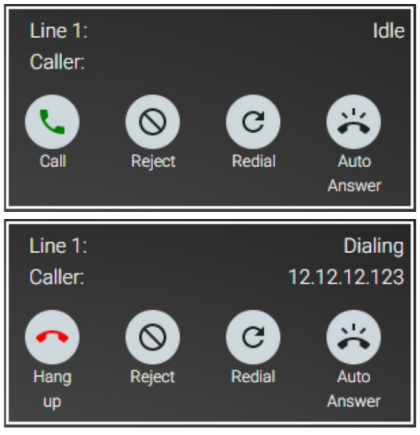
Address Bar and Dial Pad





- Address bar - Any character entered in the dial pad will display here
- Number Keys - Basic dial pad, anything pressed will enter into the address bar.
- Del - The delete key will remove the last digit in the address bar.
- Clear - This will remove all characters within the address bar.
- Period - Use this to add a decimal point into the address bar.
- Keyboard - This will open an on screen keyboard for typing in addresses that require more than just numbers. To exit, the enter button must be pressed.

Call Buttons



- Call/Hang up - Use to send the dialed address or to end an ongoing call.
- Reject - Pressing this will deny any incoming call at that moment.
- Redial - When pressed, re-calls the most recently dialed number.
- Auto Answer - When selected (green), will automatically answer any incoming call. Press the button again to disable.

Audio Buttons

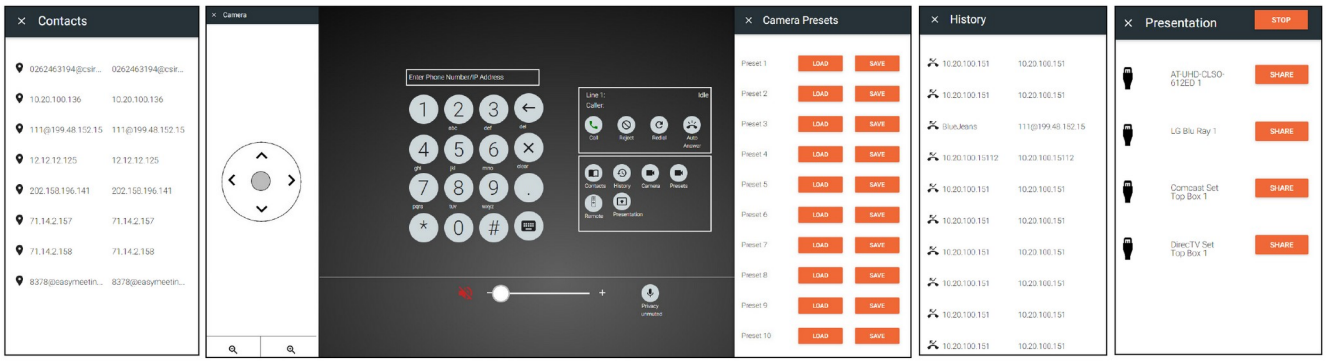


- Mute - Will mute the speakers connected to the SX20.
- Volume bar - Will adjust the SX20 audio up and down based on the position on the bar.
- Privacy unmuted/muted - This will mute/unmute the MIC, so that no one outside the room will hear the conversation.

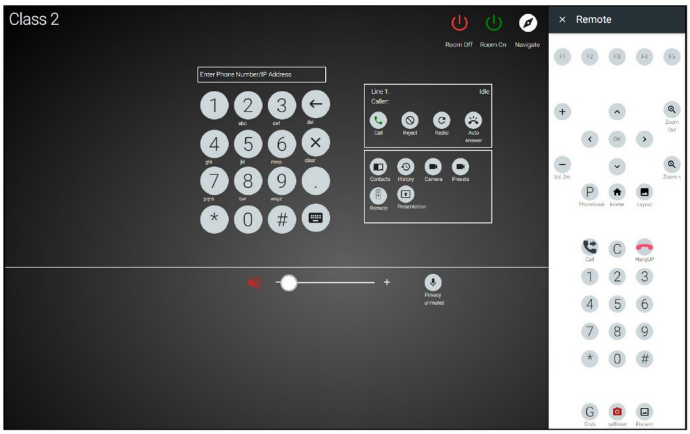
Option Buttons

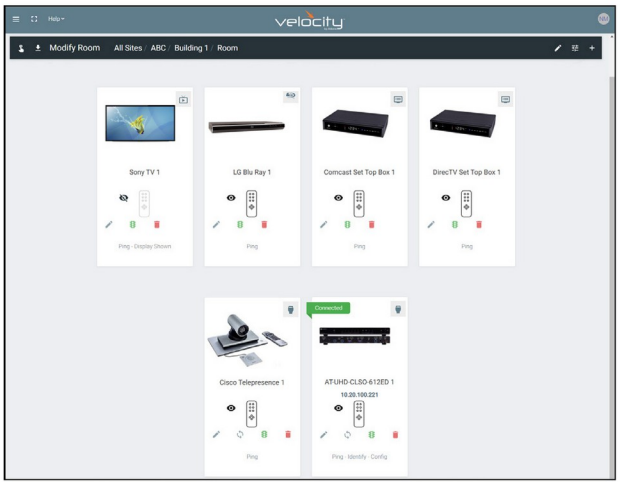


- Contacts - Selecting this will open a menu on the right side of the screen with all the contacts currently in the SX20. New contacts must be added through the web UI.
- History - The history menu will open on the right side of the screen with a list of all sent and received calls within the SX20's memory.
- Camera - Selecting this will open a menu on the left side of the screen. This menu will send pan, tilt, and zoom commands to the camera.
- Presets - This menu opens on the right and can be used to create and load preset positions for the camera for fast recall later.
- Presentation - Selecting this will open a menu on the right that will provide selectable source options to share.



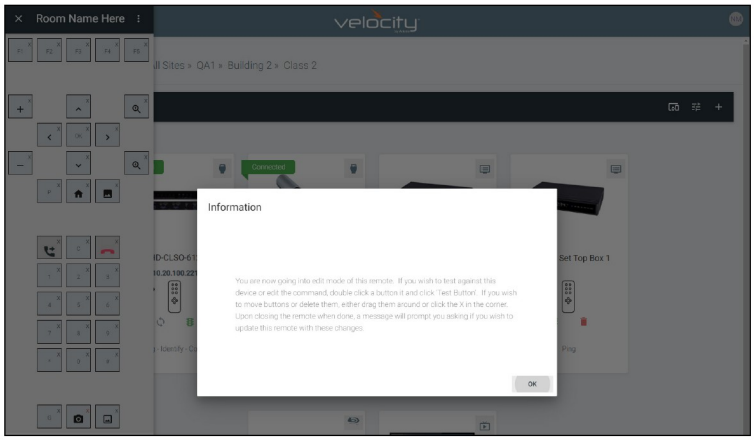
- Remote - Selecting this will open a menu on the right side of the screen. The preconfigured remote will provide all the controls for the SX20 in one menu. If more controls are required/wanted, they can be added in the Modify Room page.





Select the remote icon on the Cisco Telepresence tile. The button builder will be opened and additional buttons with extra commands and/or macros can be added.







NOTE: View the Velocity manual to get more in-depth instructions on setting up the remote buttons and macros. The manual can be found under the Resources tab at https://www.hallresearch.com/product/AT-VGW-HW-T2.

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