Q-SYS™ Platform by QSC®

Velocity Integration Note

Integration Note

Version 1.0

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Version Information

This section lists document revisions.

Version	Date	Notes
1	Mar 2018	Initial release
2	Nov 2018	POTS and VoIP integration now supported
3	June 2020	Updated for new navigation in Velocity firmware 2.1.0
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.

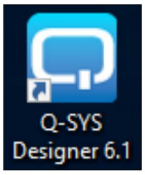
Warranty

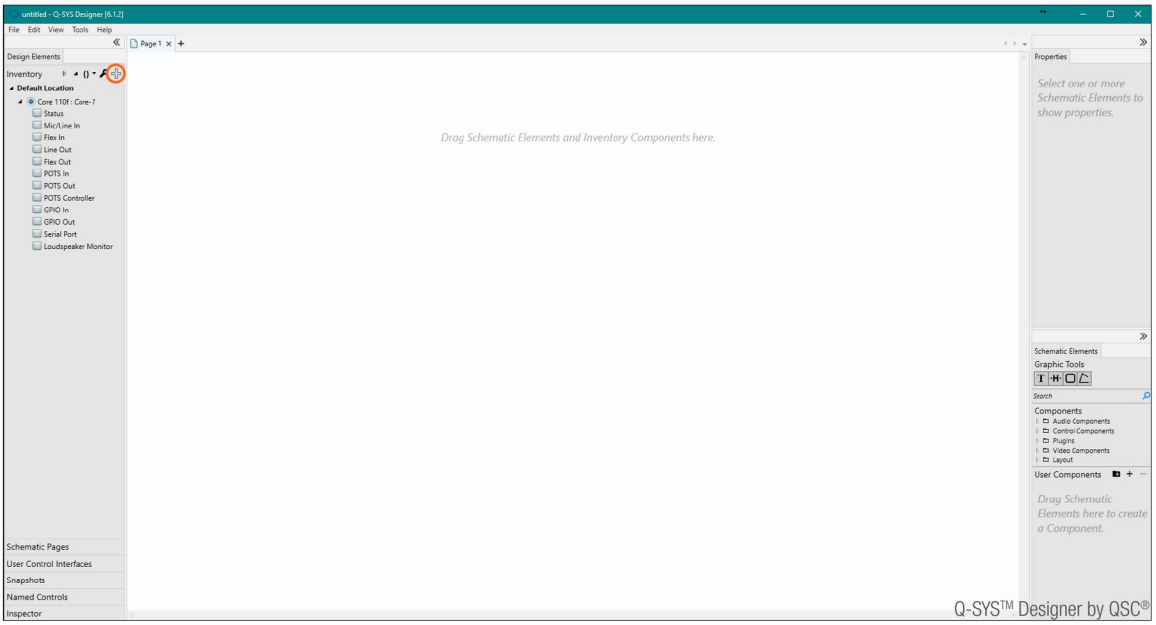
To view the product warranty, use the following link: https://hallresearch.com/warranty

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. To make integration with QSC products simpler, Velocity can import XMLs created through Q-SYS Platform by QSC.

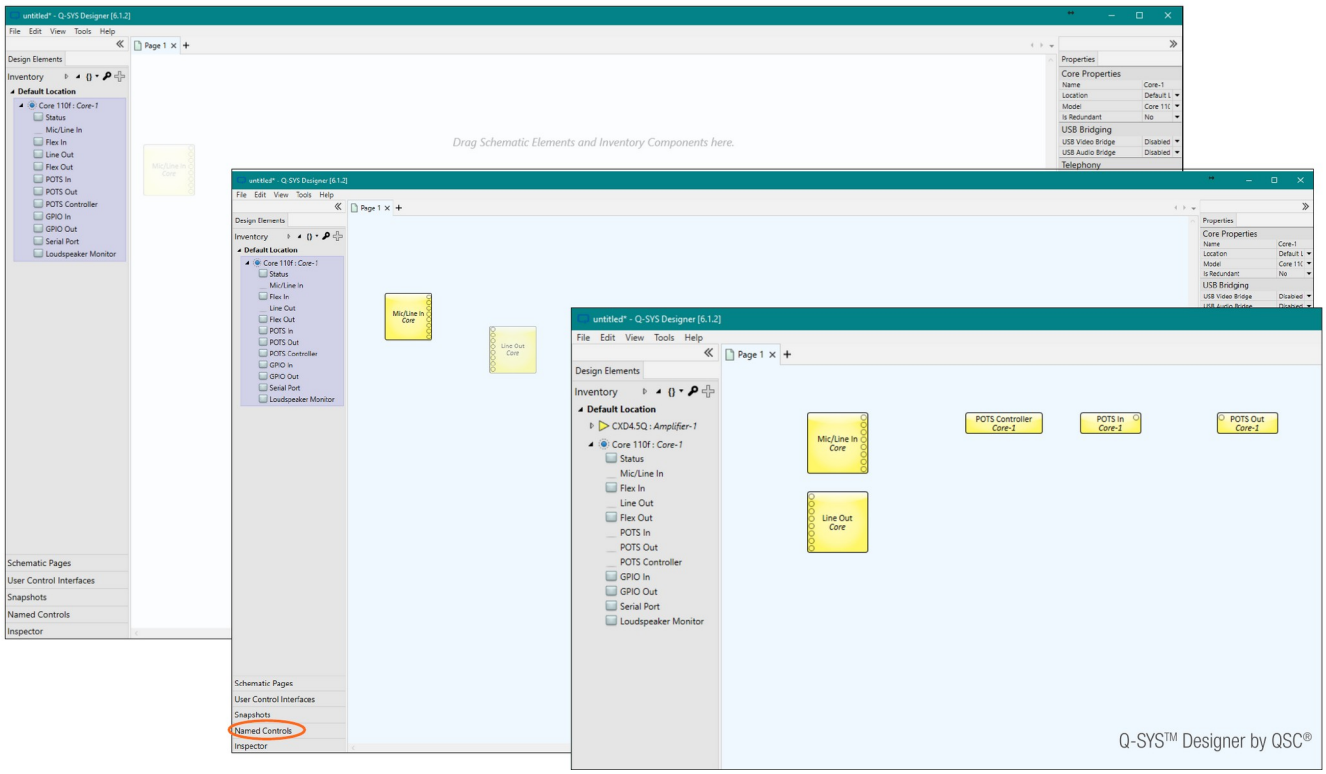
1. Open Q-SYS Designer Software.
2. Add the correct QSC device to the inventory section.



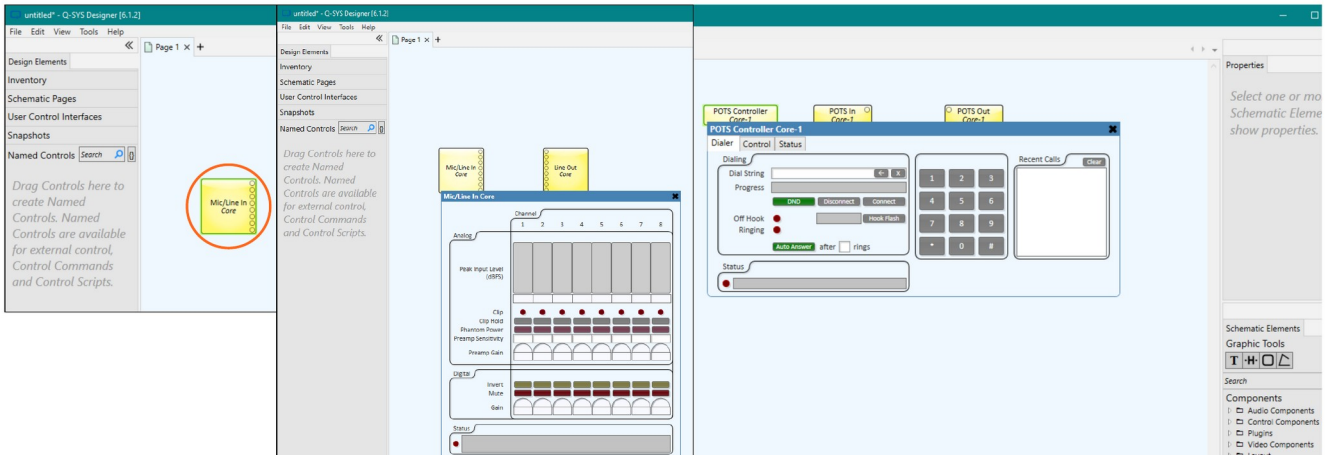


3. Drag and drop controls into the white area.

4. Once all controls (meant to be used within Velocity) are placed in the Schematic Elements and Inventory Components area, select the **Named Control** tab.



5. Double click the command to open the component.



NOTE: The component provides full access to all commands within the control type.

6. Select the control type and drag it into the Named Controls area.

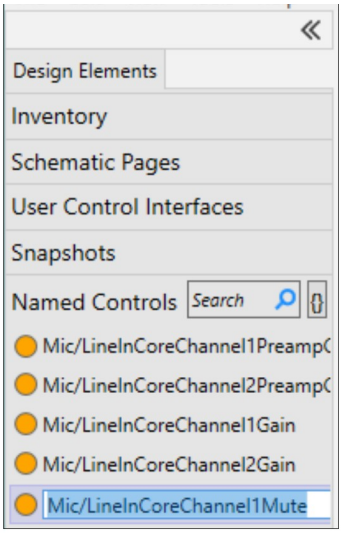
NOTE: The currently selected command type will show a red outline. The green outline will represent what the mouse is currently hovered over.

NOTE: For POTS and VoIP, the dialpad, connect, disconnect, dial string, enter, cancel, off hook indicator, and ringing indicator must all be imported for Velocity to fully utilize these features.

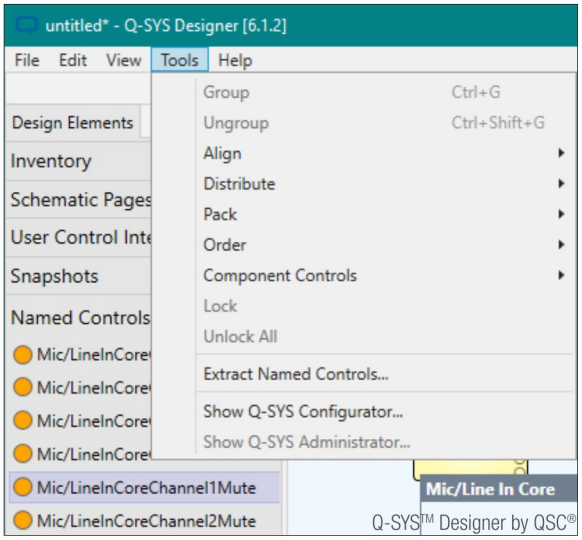
Q-SYS TM Designer by QSC ®

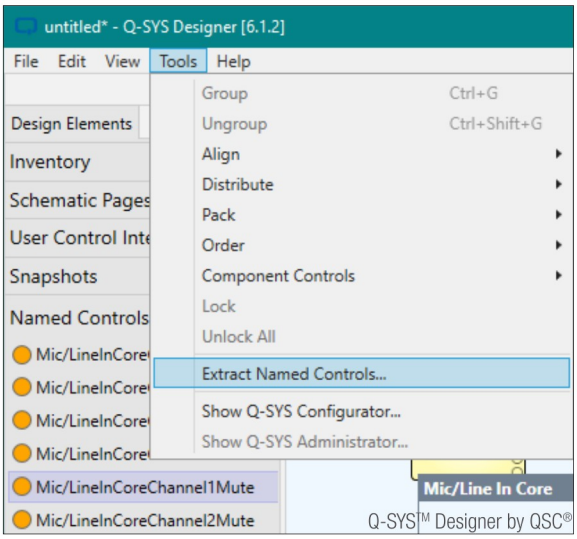
7. Repeat the drag and drop process until all command types are within the Named Controls area.

NOTE: The controls can be renamed by selecting them and typing the new name into the highlighted field.

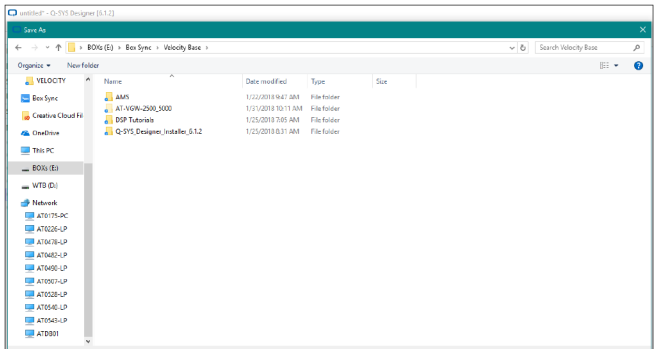


8. Once all controls from each component have been added, select **Tools** from the top navigation.





9. Select **Extract Named Controls...** from the Tools menu. A new window will open.



NOTE: The XML file can be renamed before saving.



10. Save the XML file in an area on the local computer that is easily accessible.
11. Open a browser on the local computer and enter in Velocity's IP address.

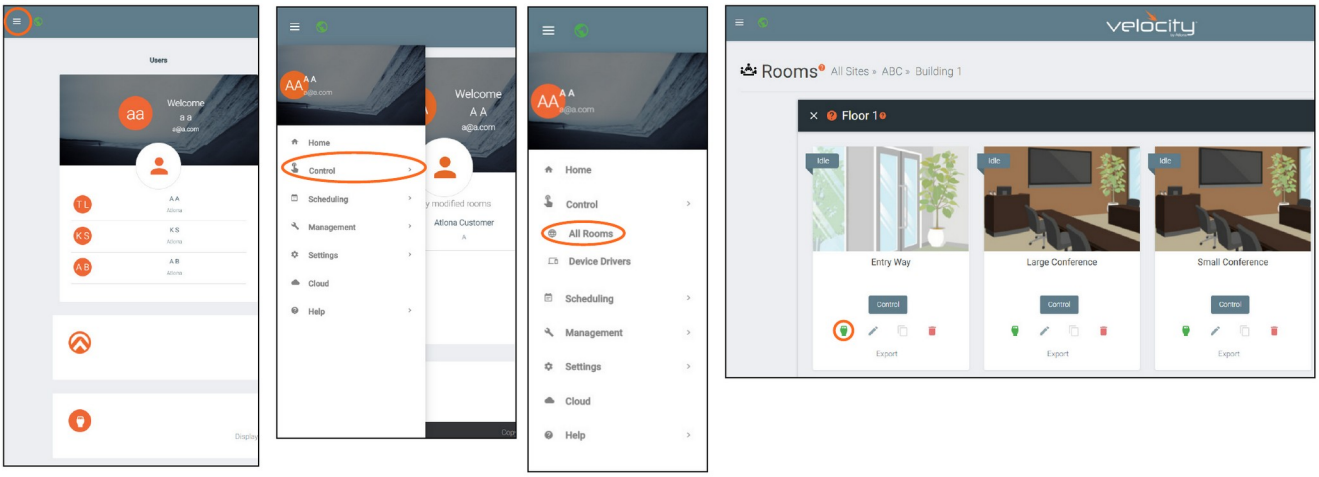


12. Log into Velocity

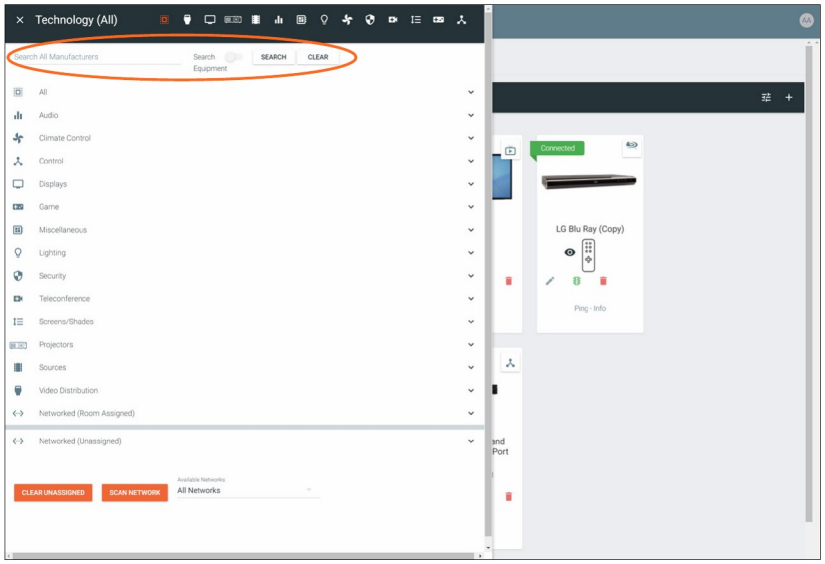


13. Locate the ≡ in the top left corner of the home page and left click to open the menu.
14. Select **Control** from the menu. New options will appear.
15. Select **All Rooms**. A new screen will open.

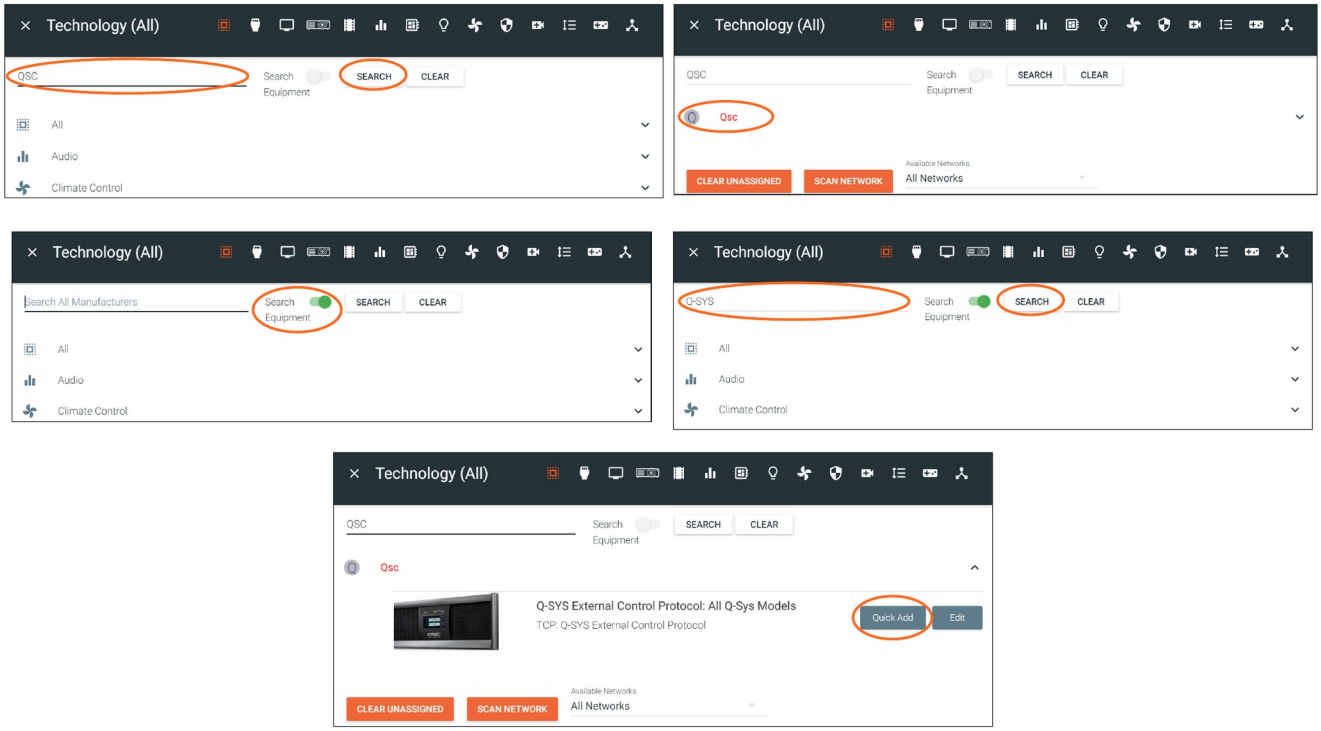
16. Select the **Edit Room Technology** button.

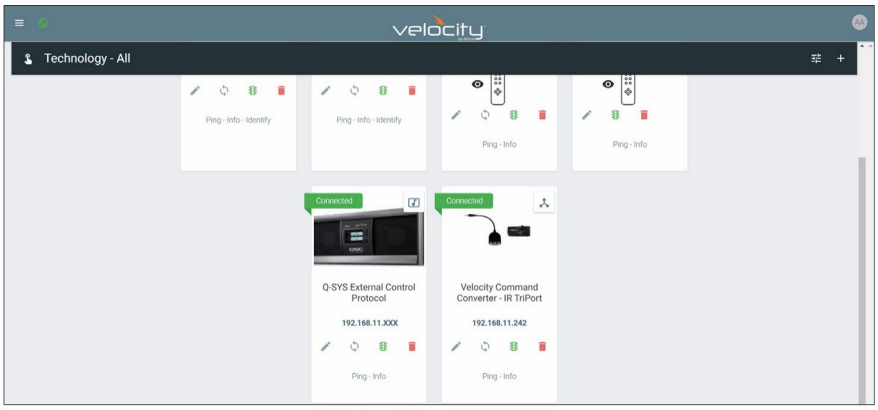


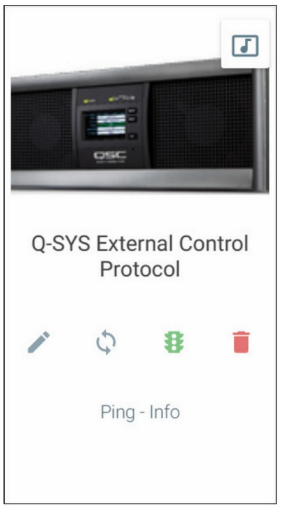
17. Select the + (add) button within the room. A new navigation will slide open.



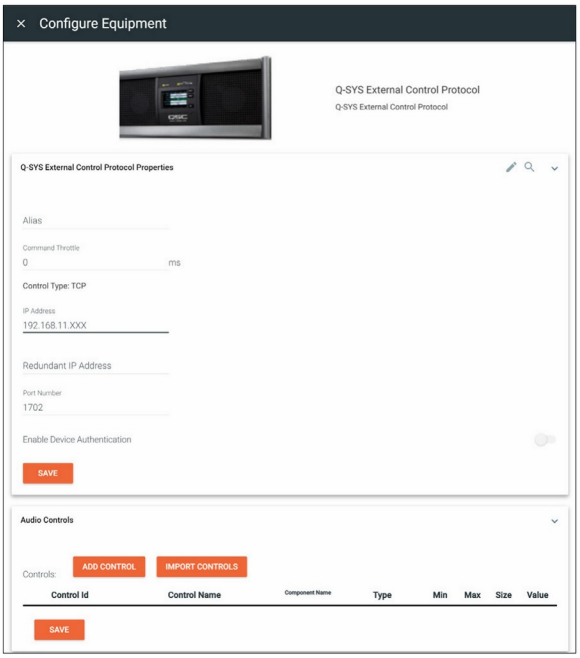
18. Search for the Q-SYS Core processor and add it to the room. a. Type QSC into the search field, press the **SEARCH** button, select QSC, then select **Quick Add** on Q-SYS External Control Protocol: All Q-SYS Models. b. Select the **Search Equipment** slider, type Q-SYS into the search field, press the **SEARCH** button, and select **Quick Add** on Q-SYS External Control Protocol: All Q-SYS Models.

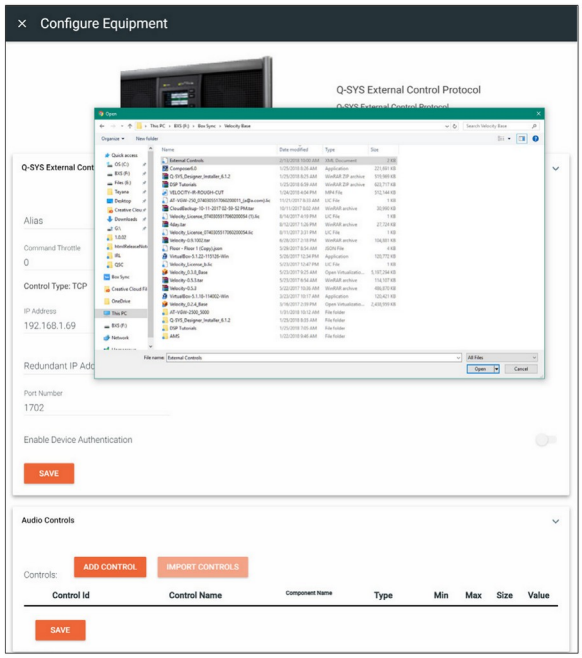






room. A Configure Equipment screen will slide open on the left side of the browser.





19. Select the **Edit** (pencil) button on the Q-SYS External Control Protocol within the
20. Fill in the connection information of the QSC device.

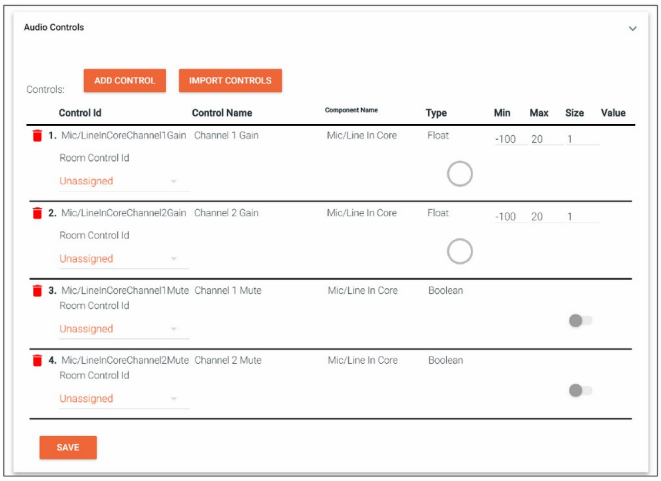
- Alias** - Best practice is to name the device after the series number and/or location.
- Command Throttle** - Set the delay in ms between sending commands.
- IP address** - Type in the IP address of the unit, which is usually found on the front panel of the QSC device.
- Redundant IP Address** - Optional IP address.

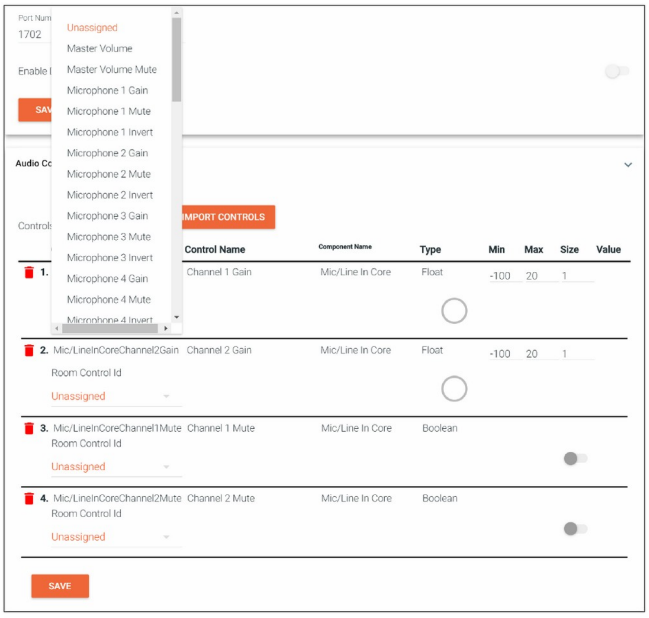


- Enable Device Authentication** - Select to enter device User Name and Password.

21. Press the **SAVE** button once all the information is entered. The screen will close.

22. Reopen the Configure Equipment screen for the Q-SYS Core processor.
23. Select the **IMPORT CONTROLS** button. A new window will appear.
24. Find the previously saved XML file from the local computer and press **Open**. The commands from the XML will appear in the Audio Controls section.



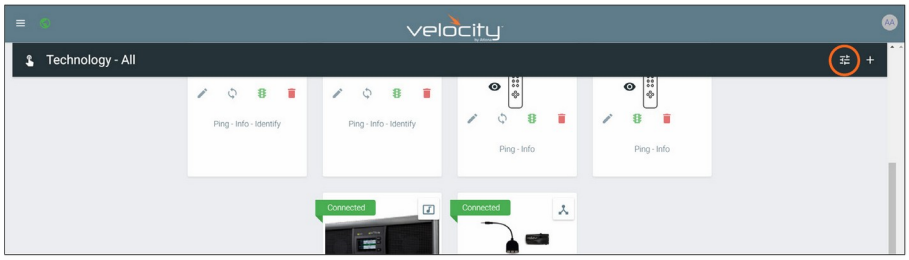


25. Each command will need to be assigned to a room command. Select the Unassigned drop down menu and select from the room commands list.

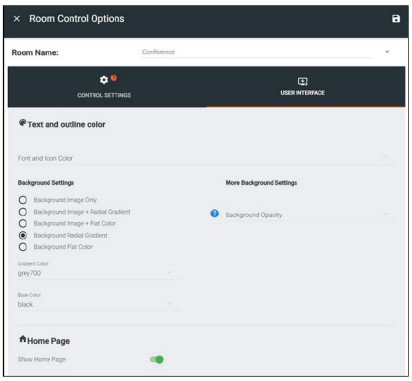
IMPORTANT: Master Volume and Master Volume Mute must be assigned

26. Repeat step 21 for all commands. for the slider and mute buttons to render on the Main and Dialer pages.
27. Press the **SAVE** button to keep the current set up. The Q-SYS Core processor is now set up and the room control can be launched using the hand in the top left corner of the screen.

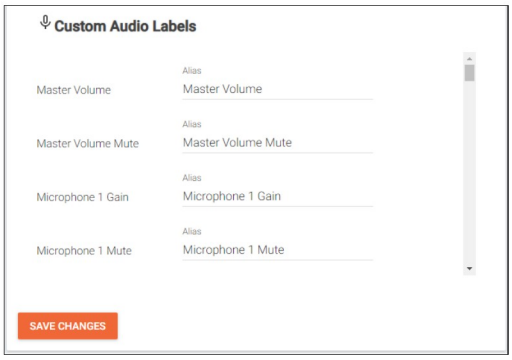
NOTE: The room commands can be renamed within the Room Control Options.



1. Select **Room Control Options** from the top right corner of the room. A new screen will slide open on the left side of the page.
2. Select **User Interface** from the top navigation.



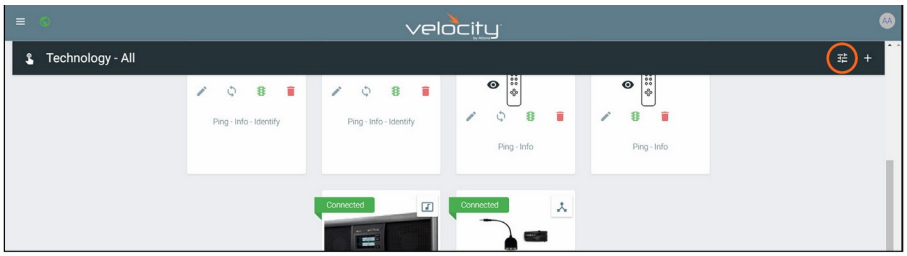
3. Scroll down to the bottom of the screen.



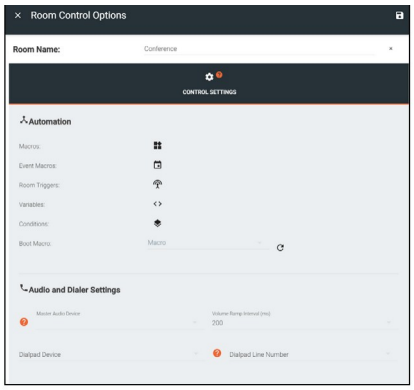
4. Enter an alias for each command. If the room does not have

enough of a certain type of command (such as volume) a different command can be given an alias that will display in the room commands list.

> **NOTE:** If the QSC Device has VoIP or POTS controls imported, the dialpad must be selected inside the room control options under the **User Interface** selection before it can be used.



1. Select **Room Control Options** from the top right corner of the room. A new screen will slide open on the left side of the page.
2. Select Q-SYS Core processor from the Dialpad Device drop down menu.



3. Select the Dialpad Line Number to select the line the VoIP goes through.

4. *If using VoIP or POTS* Check the Visible on Home Page box next to Dialer to populate the Dialer page.
5. Press the Apply Settings (floppy disc icon) at the top of the Room Control Options to save all the changes. The dialer will appear in the navigation on the room control page or the home page when selected.



