# Universal Control 4.0 Reference Guide (v2 revised)

  This latest version of Universal Control is a milestone update which has been redesigned to provide a more modern look and feel. It includes new features, such as a wizard to help new Revelator product users install and configure OBS as well as control it remotely. In addition, Series III customers will now have the ability with a MyPreSonus account to remotely control and monitor any Series III mixer in any Series III AVB ecosystem anywhere in the world with low latency via our new connection protocol called Metro. These new features and updates will be presented and explained in this document.

Launch Window Main Menu
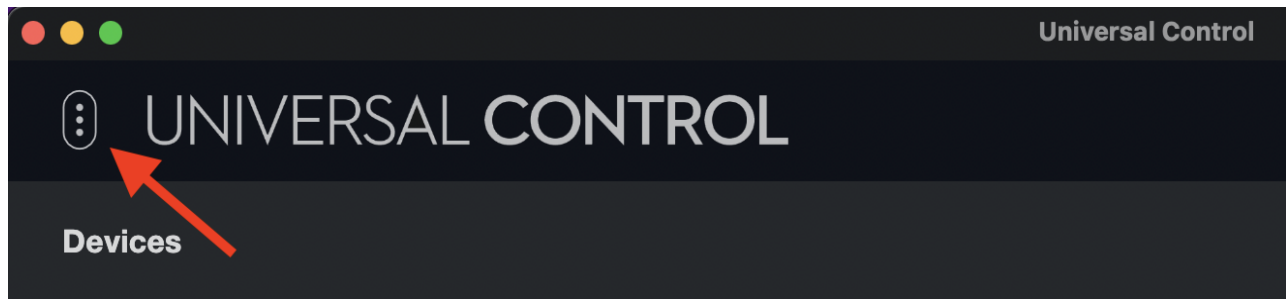
The UC Launch WIndow main menu is accessed by selecting the indicator shown. Once the menu is displayed, familiar options can be seen, however the Settings menu is now a sub-menu of the main menu instead of being separate as it was previously.

Launch Window Device List

In addition, the look and layout of the Device List has been changed. Because the UC Launch Window can be resized, Device "cards" will arrange and scale accordingly and as such, a vertical scrollbar will be available on the right-hand side of the window when applicable which responds to mouse wheel and trackpad gestures.
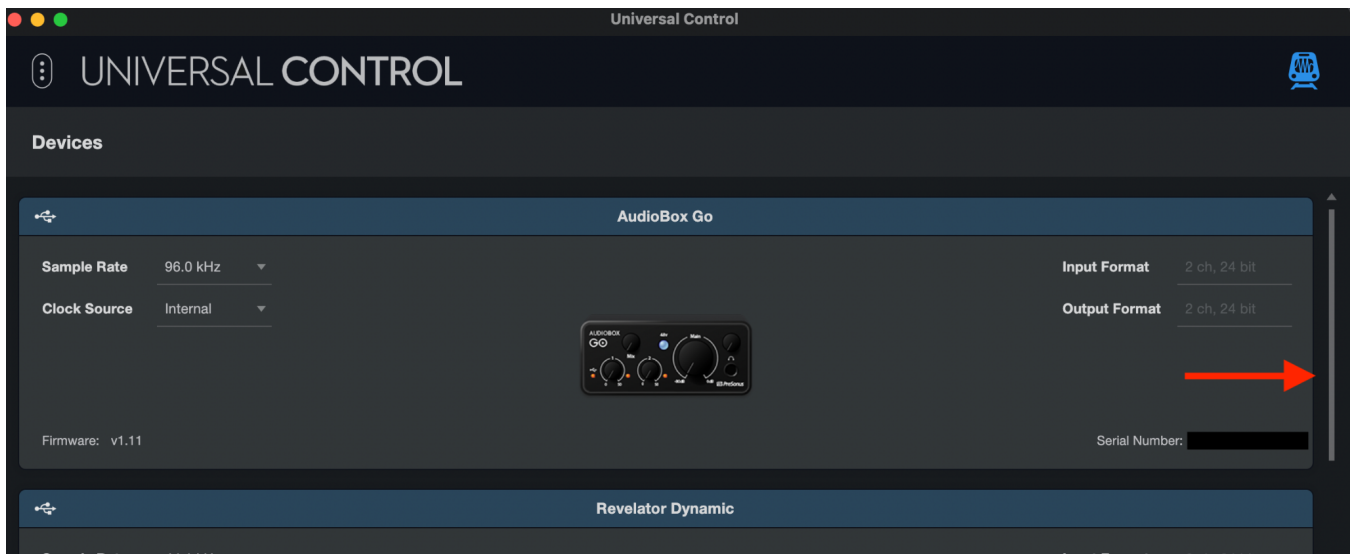
OBS Wizard & Remote Software

Included in Universal Control 4.0 is a new wizard that will help Revelator product customers set up and control OBS streaming software with their Revelator family audio interfaces.

Note: The OBS Setup Wizard will only recognize and work with Revelator family products. The OBS plugin only supports OBS v28 and later.

To launch the OBS Setup Wizard, select it from the Settings menu.
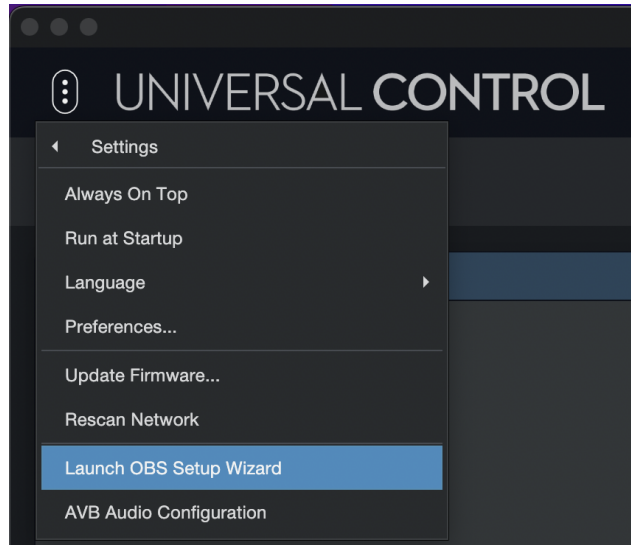
Once the wizard is launched, it will walk the user through the appropriate steps to install OBS if it is not currently installed, and then set it up with a Revelator interface.
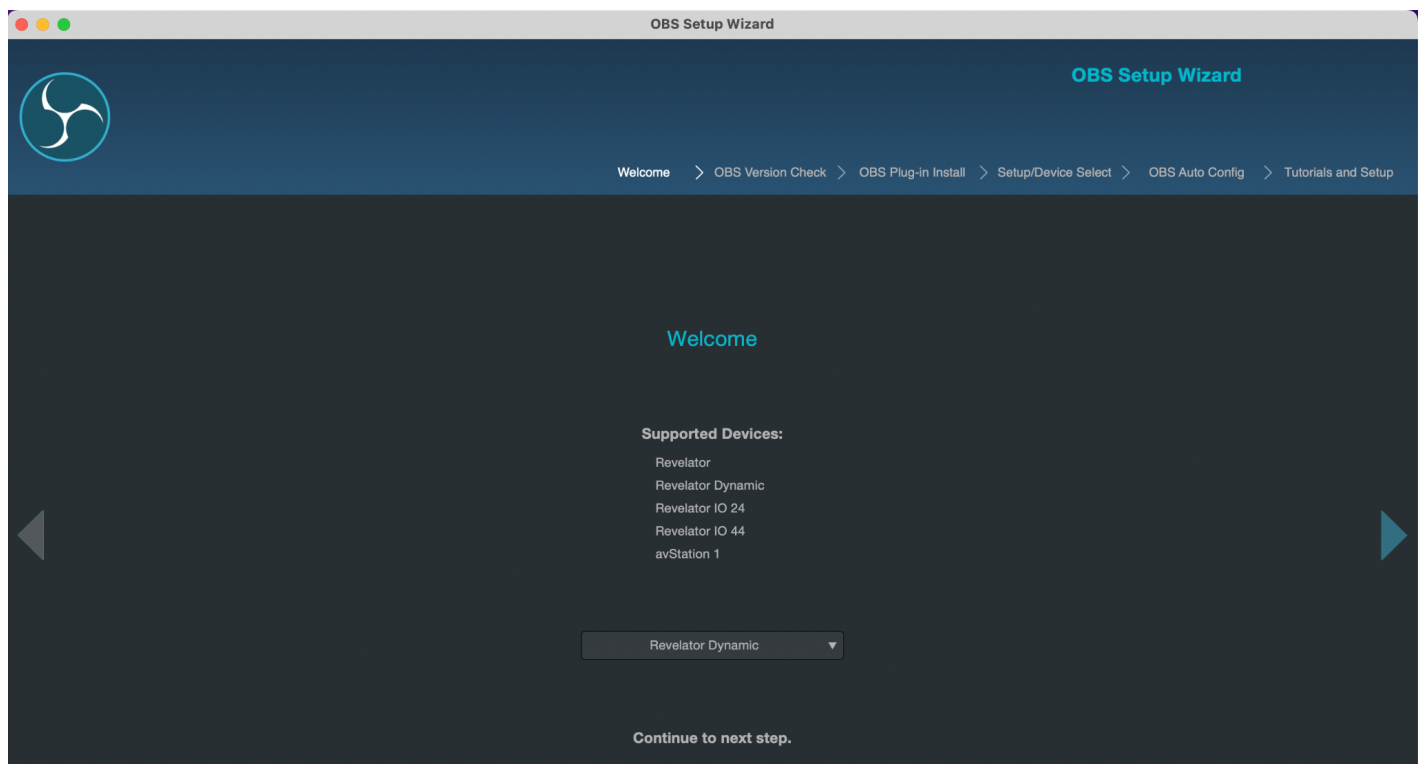
Installing the OBS Remote Control Plug-in from the wizard will allow you to control main OBS functions from within the Revelator product's control panel once it is launched.
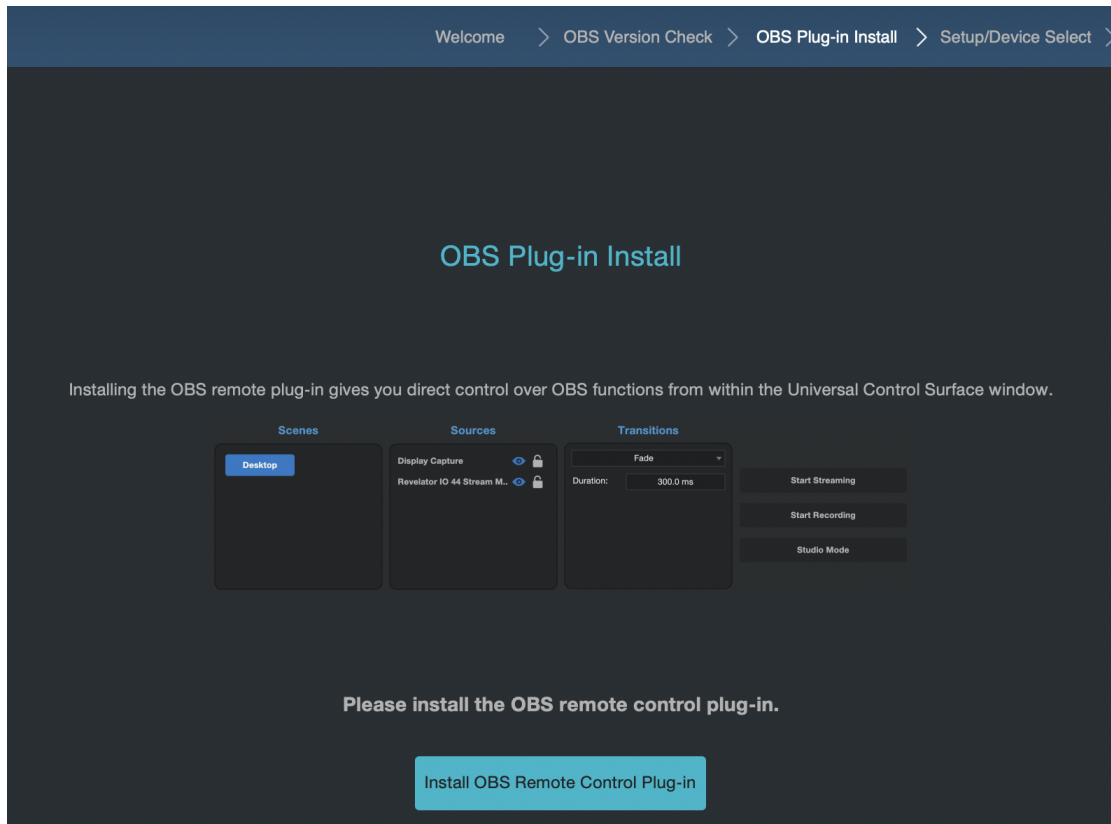

When the steps in the wizard are complete, OBS will launch and finish configuring your audio and video. To access OBS Remote Control, select your Revelator device from the UC Launch Window and the Revelator control panel will open. At the top of the control panel, an OBS icon will be shown. Select the icon to launch the remote control panel (this remote control option is also available in iOS and Android versions of UC Surface).
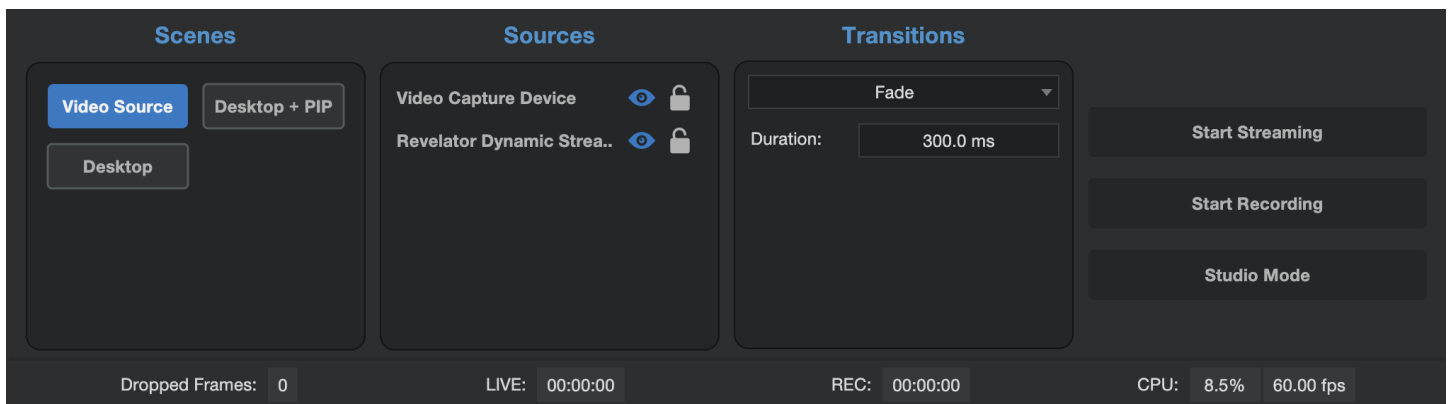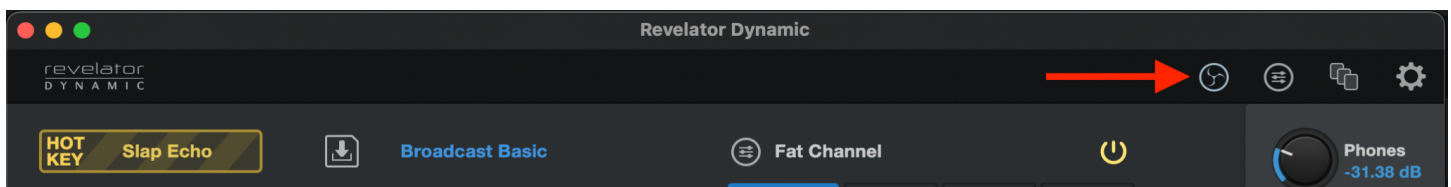
Series III Metro Connection

PreSonus Metro is a new connection interface introduced in UC 4.0, which allows Series III customers with a MyPreSonus account the ability to remotely control and monitor audio from any Series III mixer in any Series III AVB ecosystem anywhere in the world with low latency. When any two Series III customers who are both subscribed to MyPreSonus, they can connect under the Metro tab to allow remote network connection.
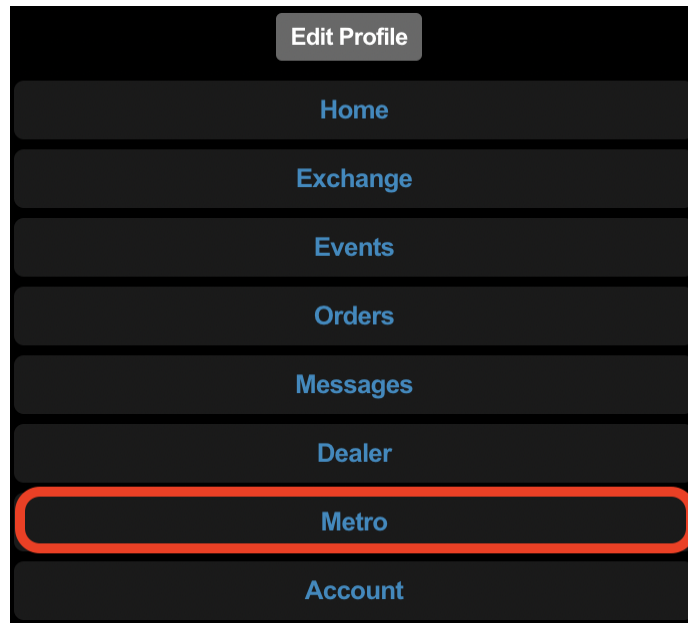
First, you will need to opt in to trying Beta Features in Universal Control from your MyPreSonus account:
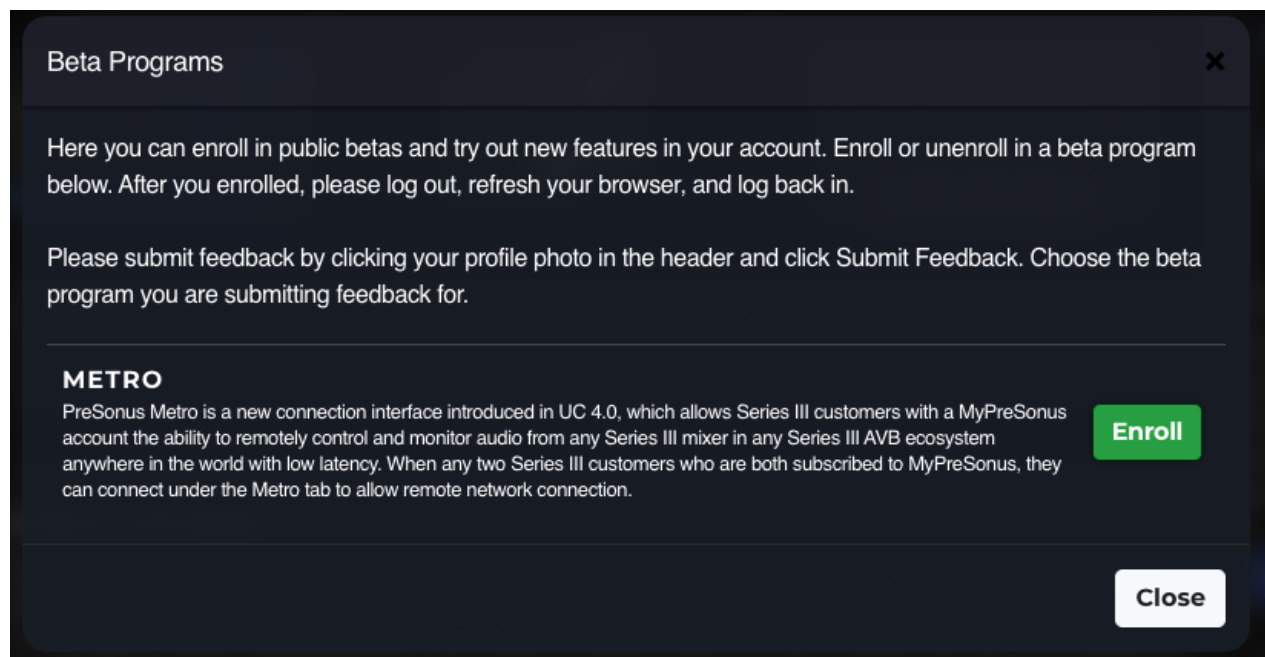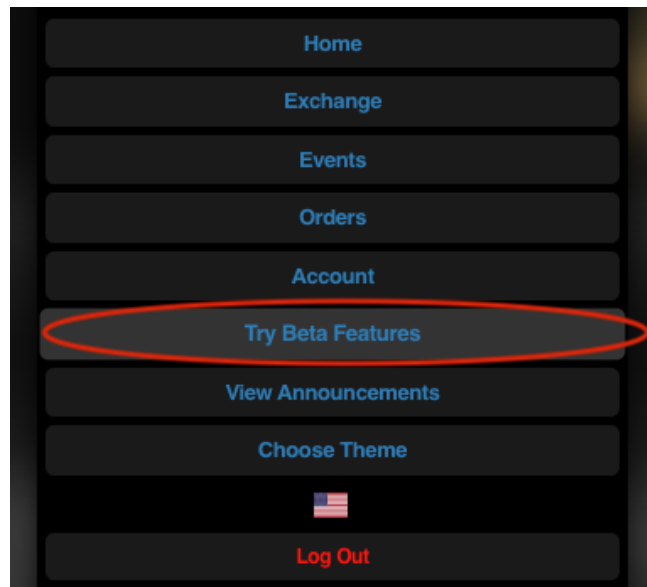

Please check out the following Facebook Group for feedback on Metro at this time:
https://www.facebook.com/groups/PAESeriesIIIOfficialBeta

After Enrolling, please log out and then back in to your account to see the Metro option in the menu

Edit Profile

Home

Exchange

Events

Orders

Messages

Dealer

Metro

Account

Once the Metro tab is selected in Sphere, it is possible to add a new connection and search for other MyPreSonus account owners to send a connection request to.

PRESONUS SPHERE
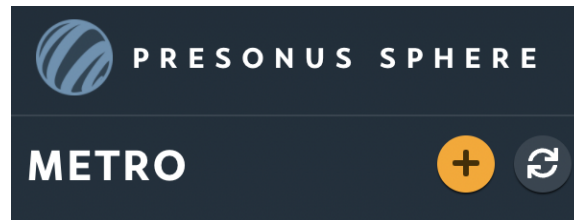
METRO

Add Metro Connection

Enter the email of the person you want to connect with. If they don't have a PreSonus account, they will be invited to sign up, after which they can accept the invitation. You will be notified when they do.

PreSonus Account Email

Close   Submit

Once two MyPreSonus accounts are connected and both have Remote Access turned on in Universal Control, the first user (client) can request to control Series III device(s) on the second user (host's) network by selecting an online host computer, which is indicated as being online with a green dot next to the computer's name. By opening the Metro panel in the UC Launch Window and selecting an available computer to connect to, a

request to control device(s) attached to the selected host computer will be sent to the host as long as both the host and client have Universal Control open and Remote Access is enabled on both.
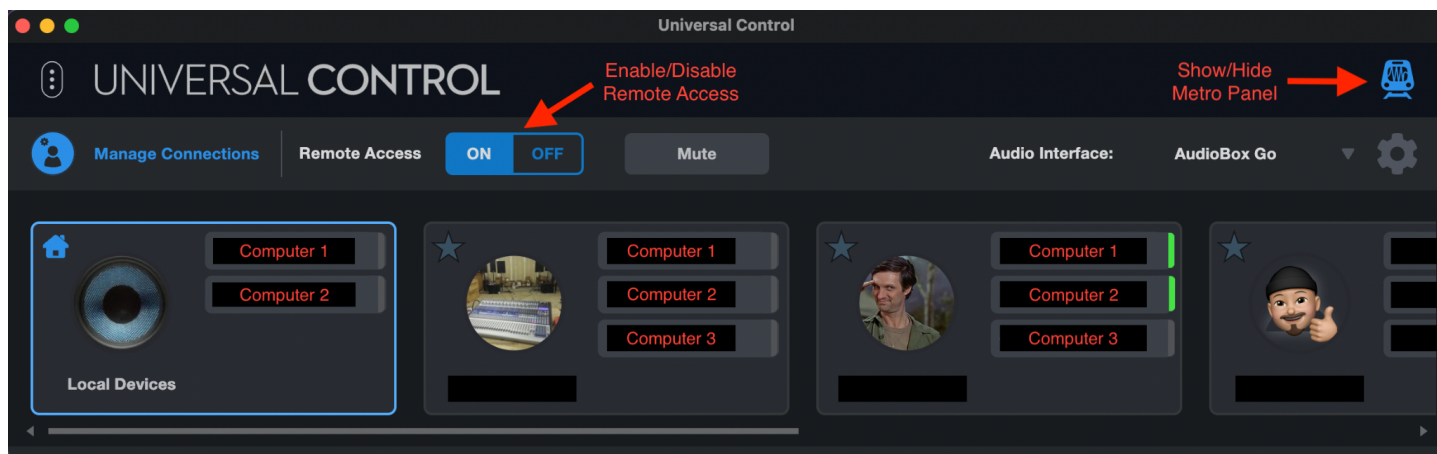

NOTE: In order for the host to send audio from the local mixer to the client, the host mixer must be connected over USB to the host computer selected below the Metro Show/Hide icon

By selecting the gear icon below the Metro Show/Hide icon, the client can also select USB streams for desired local playback Client Audio Setup window. The host computer will automatically switch to the host mixer and route streams under the hood, then the option will no longer be present for the host to change devices since the USB connected mixer is the only source that should send audio to the client.
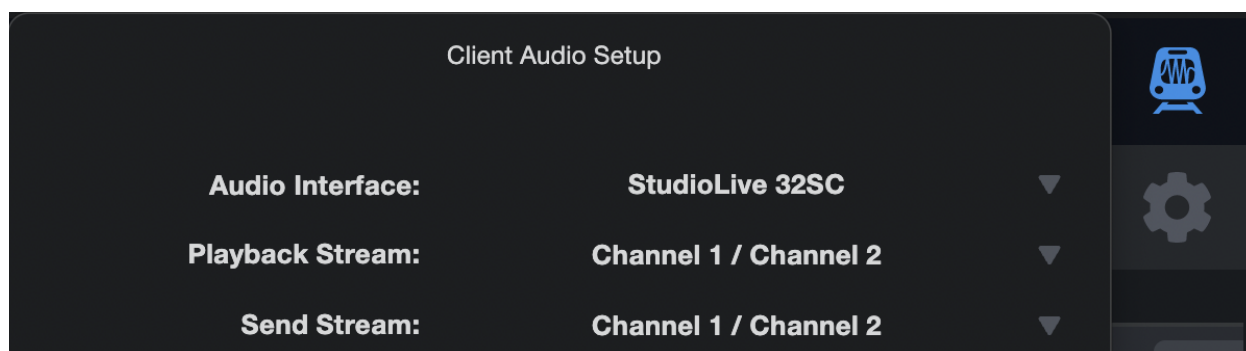
After the client selects an available host computer to connect to, a "Connecting" message will be displayed on the client side as shown below.
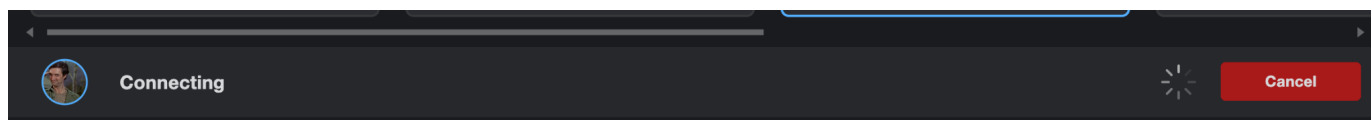
On the host side, a message will be displayed asking if the host will allow the connection.
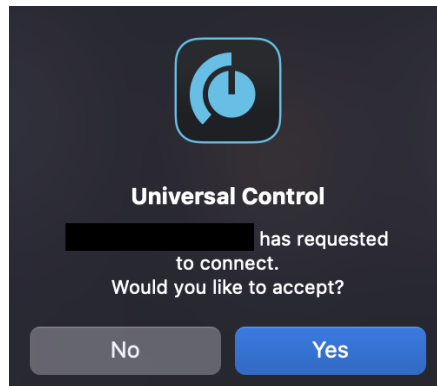

Once the host accepts the Remote Access request, the client will see all Series III devices on the host's network in the UC Device List. In addition, the host can choose which individual Series III device(s) on the network to grant permission for the client to connect to and control.

By default, host mixers are set to not allow access to the connected client for security reasons as shown below.
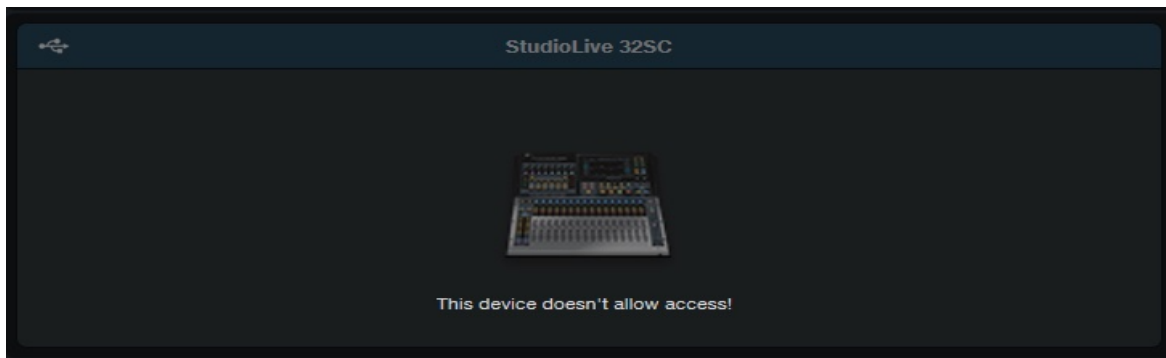
To allow the client access to any host mixer, the host must open the UC Surface control panel for the specific mixer and enable Remote Access in UC Surface under the Settings tab, which can be seen after clicking the UC Surface gear icon.
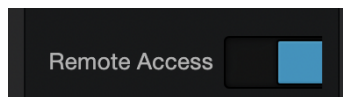
Once access is allowed for the client computer to connect to the local host mixer, the client can find the mixer in the Universal Control Launch Window and select it as usual to launch its UC Surface Window.
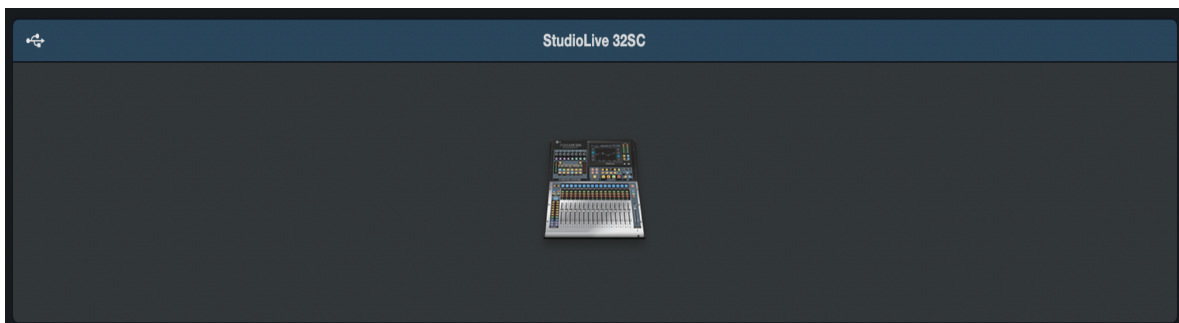
As shown above, the UC Surface Window shown for the Metro connected mixer will have a yellow border around it on both the client and host connections.

Troubleshooting Tip: If the client computer is using a local playback audio device such as a Series III mixer that has more than one selection for input source, it is important to make sure that USB is selected on the device as the playback input selection in order for the host mixer audio to be heard.

<u>Example - Linked Ch's 1/2 on a Series III mixer</u>
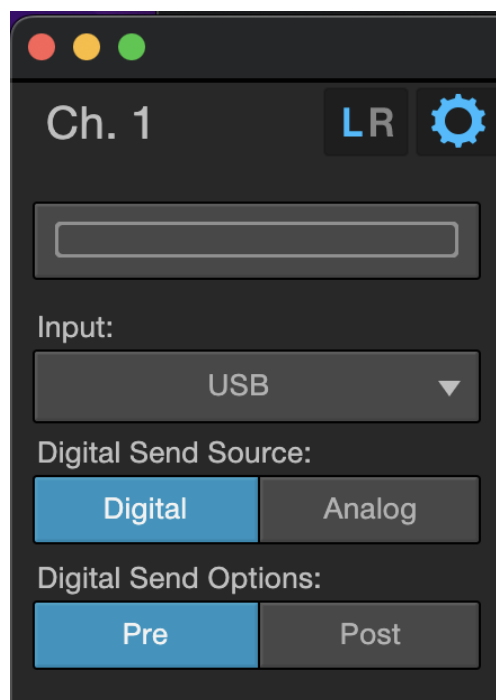
Once a Metro connection is established, the client will see only the host's devices when the connected host computer is selected in the Metro panel at the top of the UC Launch Window.
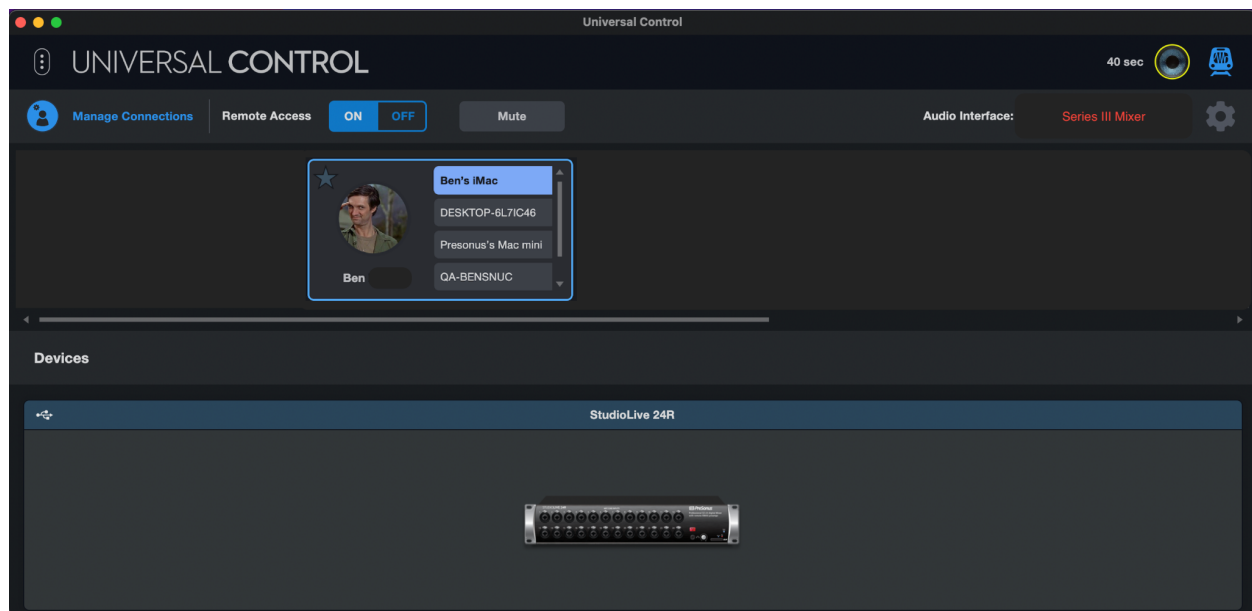
Similarly, when the client's own computer is selected, only local devices connected to the local client computer are shown. These views can be switched back and forth between host and client by clicking on the computer name that the devices are connected to, in order to view either local or remote devices at any given time.
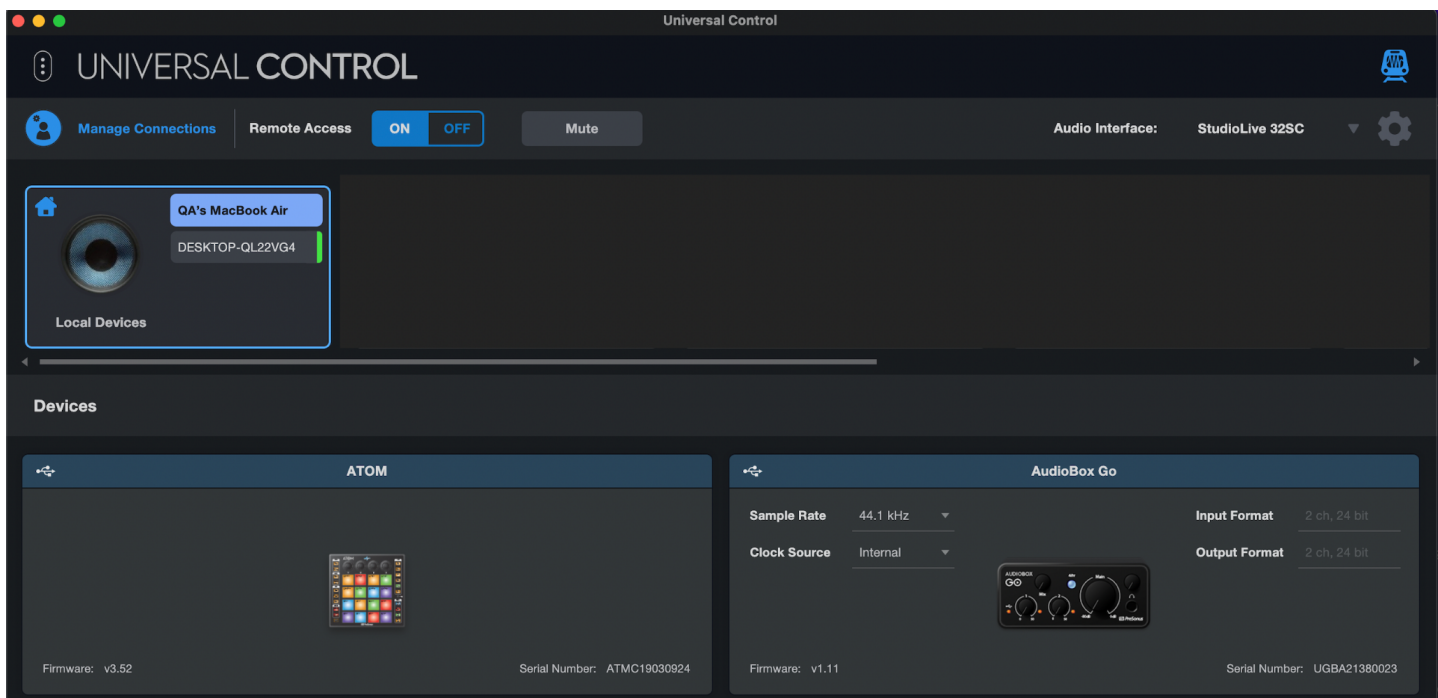
To end a remote session, either the host or client can select the user icon at the top right of the screen next to the connection time indicator:
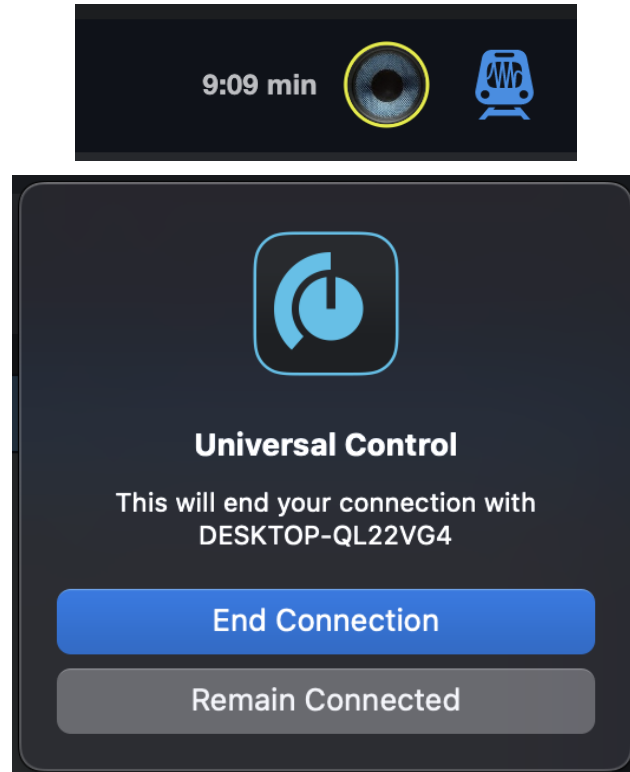
Troubleshooting:

Built-in to the UC 4.0 Launch Window, there is an analysis tool for Metro called "UC Metro Streaming Statistics". While a connection is present, this window will display useful information about the connection such as stream health, stream latency, will show whether record and playback signals are present, etc. These parameters can help in troubleshooting some network and connection issues for UC Metro.

UC Metro Streaming Statistics

Stream Health ▼   Connection duration: 32:40 min

USER		CONNECTION	
Status:	Connected as host	**Stream**	
Audio Driver:	StudioLive 24	Health:	85%
		Average:	85%
Signal		**PreSonus Account**	
Record:	●	Latency:	125 ms
Playback:	●	Deviation:	20 ms

UC Metro Streaming Statistics

Stream Health ▼   Connection duration: 30:03 min

USER		CONNECTION	
Status:	Connected as client	**Stream**	
Audio Driver:	Windows Audio	Health:	84%
		Average:	85%
Signal		**PreSonus Account**	
Record:	●	Latency:	121 ms
Playback:	●	Deviation:	22 ms

If the client computer is hearing audio dropouts or other artifacts, this is normally contributed to a network speed or overall network health issue which will be indicated in the meters of the Statistics screen shown above. In this case, whoever is seeing the stream health issue on their end (client or host) should try to eliminate any potential slow-downs on their network or internet connection, which can be caused by a variety of factors that are too broad to cover in this document and is a separate topic altogether.