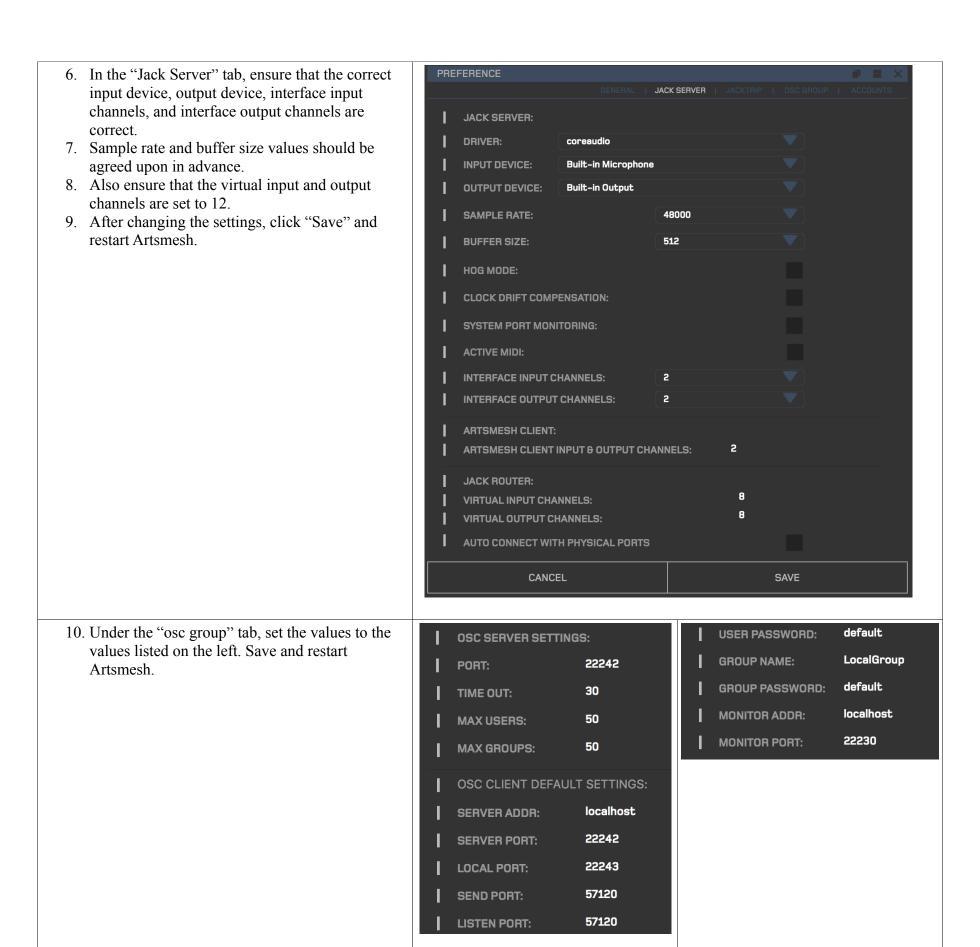
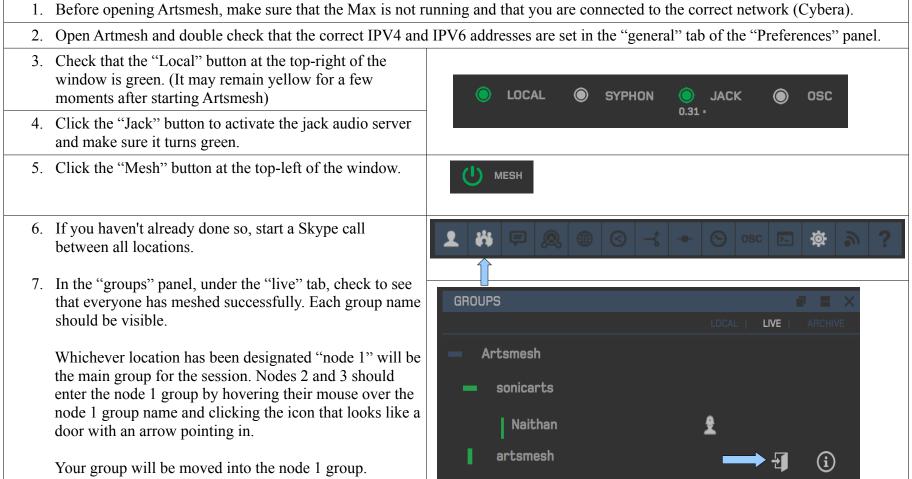
Audio Setup - Artsmesh version **Configuring Artsmesh** 1. Open Artsmesh and open the "Profile" panel. 2. Under the "user" tab, enter a profile name **PROFILE** Naithan Naithan Bosse YourAffiliation YourLocation This is my biography. 3. Under the "group" tab, enter a group name **PROFILE** USER | GROUP | PROJECT sonicarts Sonic Arts Calgary http://sonicarts.ucalgary.ca Calgary LOCK **Hello World** 4. Open the "preferences" panel 5. Under the "general" panel, ensure that your PREFERENCE private IPV4 and IPV6 addresses are correct. (Check your Network Preferences under Apple->System Preferences->Network MACHINE NAME naithan-bosses-macbook-pro-2.local Preferences) PRIVATE IPV4: 192.168.0.148 -Ensure that "Mesh Use IPV6" is enabled. IPV6 ADDRESS: fe80::f65c:89ff:fec8:459f If any parameters are changed, click "Save" and restart Artsmesh. MESH USE IPV6 **HEARTBEAT USE IPV6** LOCAL SERVER PORT: LOCAL SERVER CONFIG: DISCOVER AMSERVER IPV4: 106.187.39.20 AMSERVER IPV6: [2400:8900::f03c:91ff:fedb:76fd] AMPORT: 8080 CHAT PORT: 22260 USE OSC FOR CHAT CONTROL BAR TOP

CANCEL

SAVE



Creating audio connections in Artsmesh

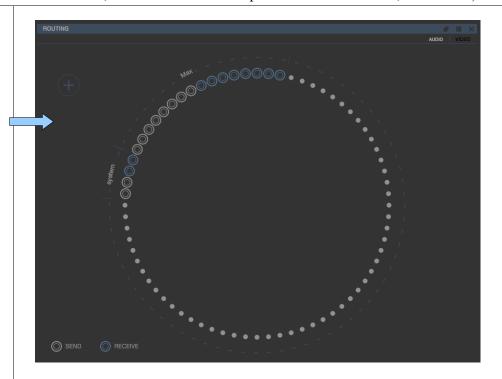


8. Open the routing panel.

- 9. Open Max and follow the instructions. (Set audio in/out to Jackrouter, double check the sample rate and vector size, start audio)
- 10. Once audio is started in Max, the Max jacks should appear on the routing wheel with 12 inputs and 12 outputs.
- 11. Click the "+" button to connect audio with another node

Connect audio in the following order:

- 1. Node 1 to node 2
- 2. Node 1 to node 3
- 3. Node 2 to node 3



12. In the pop-up connection window, select the following settings:

• If node 1:	Role: Server
• If node 2 connecting to node 1:	Role: Client
• If node 2 connecting to node 3:	Role: Server
• If node 3:	Role: Client

• Connect to: [Select the appropriate group name]

(Note: if the only option is 'ip address', see the troubleshooting guide)

• Channel count: 2

• **Port offset**: any available at BOTH sites

Queue buffer length: 4
Packet redundancy: 1
Bit rate resolution: 24
Zero under run: disabled

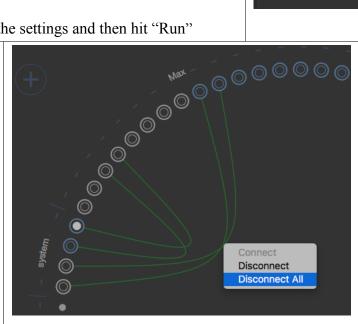
Loopback: disabledUse IPV6: enabled*

Wait until both you and the connecting party have entered all the settings and then hit "Run"

13. If the connection is successful, green cables will appear on the routing wheel, connecting your audio system to the remote location.

If your mic volume is up, feedback could occur!!

Right-click one of the cables and click "disconnect all"



14. Once all the network connections are created, each node will create the following audio connections:

Node 1:	Node 2:	Node 3:
System receive 1-n => Max send 1-n	System receive 1-n => Max send 1-n	System receive 1-n => Max send 1-n
Max receive 1-8 => System send 1-8	Max receive 1-8 => System send 1-8	Max receive 1-8 => System send 1-8
Max receive 9-10 => Node 2 send 1-2	Max receive 9-10 => Node 1 send 1-2	Max receive 9-10 => Node 1 send 1-2
Max receive 11-12 => Node 3 send 1-2	Max receive 11-12 => Node 3 send 1-2	Max receive 11-12 => Node 2 send 1-2
Node 2 receive 1-2 => Max send 5-6	Node 1 receive 1-2 => Max send 5-6	Node 1 receive 1-2 => Max send 5-6
Node 3 receive 1-2 => Max send 7-8	Node 3 receive 1-2 => Max send 7-8	Node 2 receive 1-2 => Max send 7-8

To make a connection:

- 1. Click the appropriate receive jack on the routing wheel.
- 2. Right-click the corresponding send and select "connect".

Note: Sends and receives are numbered clockwise. (Sends = white, receives = blue)

- 15. Follow the remaining sound-check instructions in Max.
- 16. Mute Skype during performance.



2. Navigate to the OSC panel

3. In the Server drop-down menu, select Node 1's profile name.

4. OSC messages can be sent over IPV4 or IPV6. Decide which

SERVER

SEARCH

Common problems

5. Click On.

accordingly.

The Jack button turns yellow instead of green

This indicates that the Jack server is not started correctly. This is mostly likely due to incorrect sample rate or buffer size settings. Turn off the the Jack button and navigate to the Jack Server tab in the Preferences panel. Reset the sample rate and buffer size values, click save, and restart Artsmesh. If the problem is not resolved, do a spotlight search for the JackPilot application. In the JackPilot menu, open Preferences and check that all the parameters match the preferences in Artsmesh. Change any mis-matched preferences then save and quit both applications.

After turning on Mesh, the other groups don't appear in the Live tab of the groups panel.

protocol you will use in advance and set the IPV6 button

In the general tab of the preferences panel, check if the "Mesh using IPV6" button is enabled. Each group should have the same value for this parameter. Change the value to match the other groups, click save, and restart Artsmesh.

Max crashes when starting the audio

The sample rate and/or signal vector size probably don't match the Jacktrip settings.