



Stellar Remnants Tech Packet

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Questions?

If you have questions about anything covered in this documentation or the piece, please contact us:

Questions about the score/piece: Ellen Reid (ellenreidmusic@gmail.com)

Technical questions: Stephanie Smith (stephiesmith@gmail.com)

I. What's in the Box

Sensor



Controller Box



Piano-style foot pedal (Left foot)



Compact foot pedal (Right foot)
Attached to rockstop



Tripod mount adapter for a microphone stand



USB cable (powered)



USB Extension cable (powered)

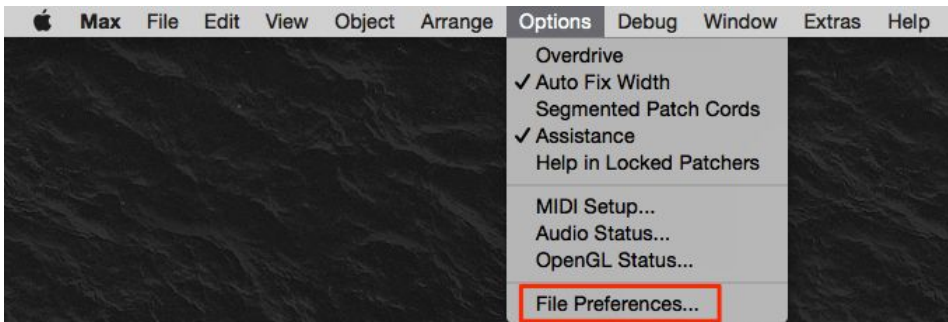


Thumb Drive

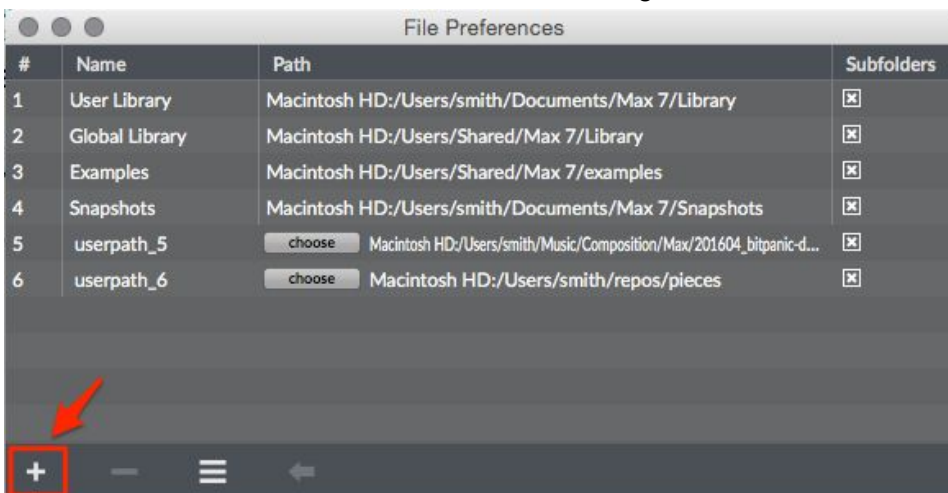


II. What to do with the Files on the Thumb Drive

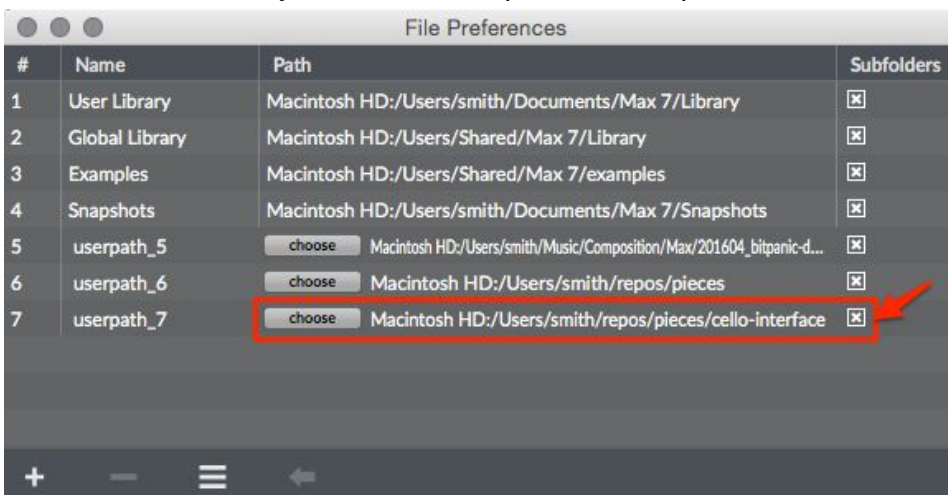
1. Move the “cello-interface” folder to your computer and remember where you put it
2. Open the **Max725_160915.dmg** file and follow the onscreen instructions to install the Max/MSP program. The patch is optimized for Max 7, so if you have an older version of Max, you should still install Max 7.
3. Once installed, you will need to **configure your file preferences** in the program. This only needs to be done once. To configure your file path settings:
 - a. Open Max/MSP
 - b. In the “Options” Menu, click on “File Preferences”



- c. In the File Preferences window, click on the “+” sign to “Add a Path”

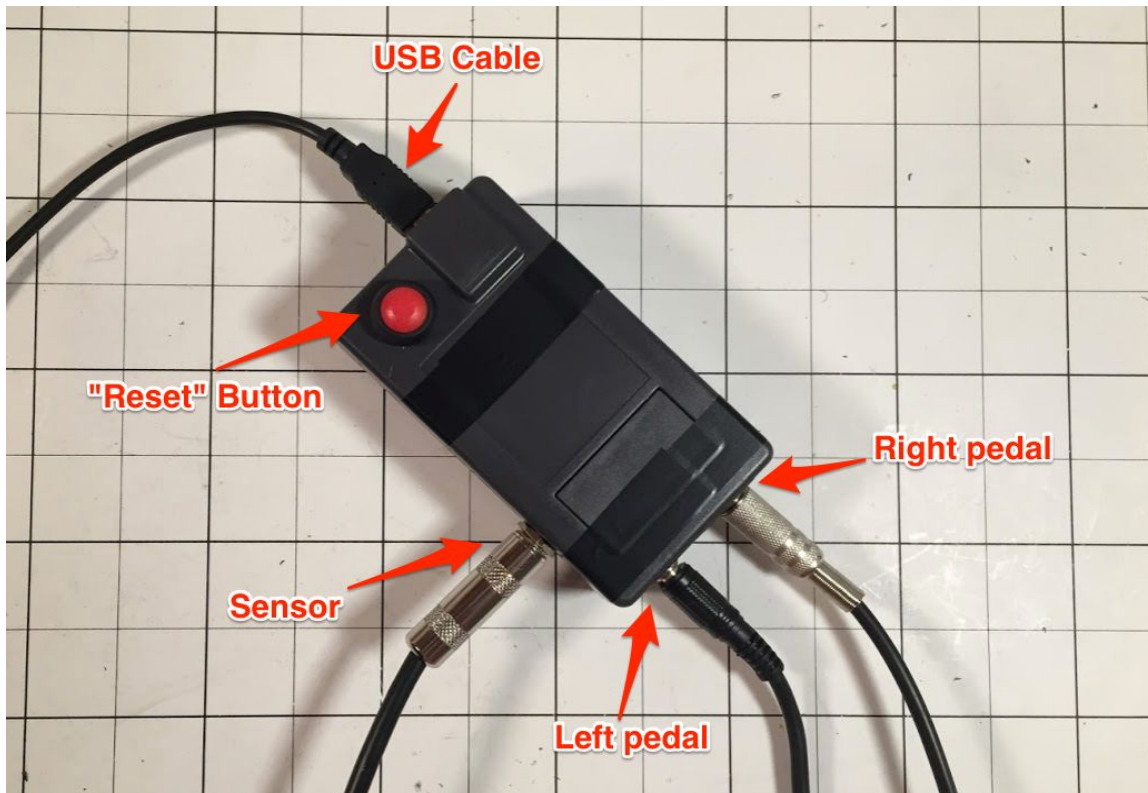


- d. For the new line that appears, click on “choose” and select the “cello-interface” folder that you moved to your computer. Also make sure “Subfolders” is checked off. *Note: If you later decide to move the cello-interface folder, you will need to update the file path for it as well.*

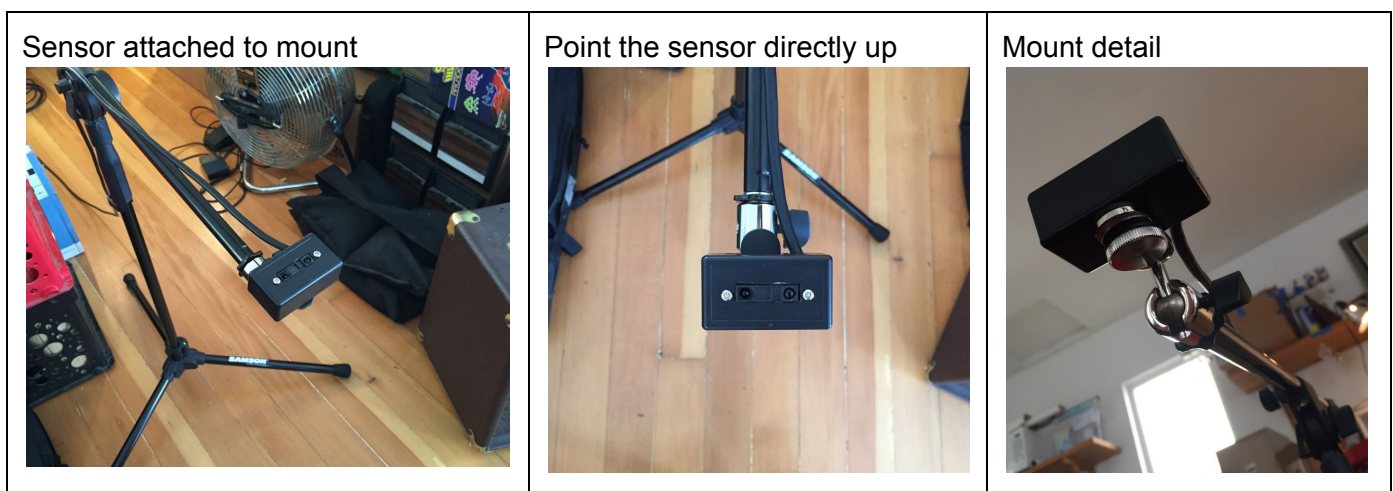


III. Assembling the Interface

1. Connect all components to the Controller Box using the diagram below



2. Attach the tripod mount adapter to a microphone stand. Then attach the sensor to the tripod mount adapter, and angle the lens of the sensor so it is pointing directly up.



3. Arrange your space:

- The **sensor** should be near your *left hand*.
- The **piano-style pedal** should be by your *left foot*.
- The **compact pedal** should be by your *right foot*. The compact pedal is attached to a rockstop to help stabilize it and prevent it from slipping away from you.

IV. How to use the Interface with the Program

Before connecting to the interface:

1. Make sure you've completed the steps "What to do with the Files on the Thumb Drive" (pg. 3)
2. Then, assemble the interface (pg. 4).

When you're ready to connect:

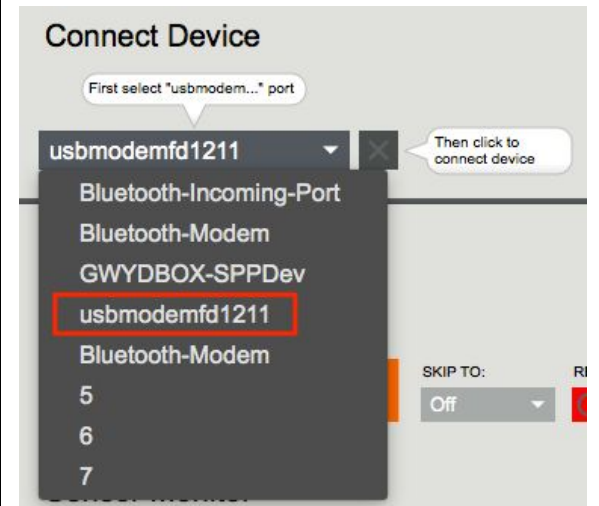
1. Connect the interface to your computer using the powered USB cable, like the one included in the kit.
It's important to note that the interface requires a powered USB cable.
2. Open Max/MSP
3. Open the **cello-controller.maxpat** file in the cello-interface folder. The patch may take a minute to load.

Using cello-controller.maxpat:

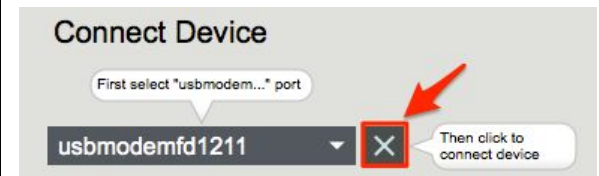
Watch a video of the following steps here: <http://recordit.co/AVkwTcvJni>

1. Under "Connect Device," open the dropdown menu and select the item that starts with "**usbmodem...**" Note that this list is different for each computer, and your "usbmodem" name may not match mine exactly.

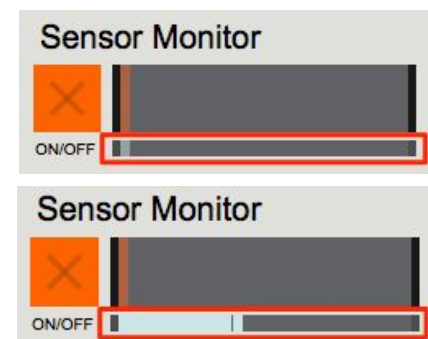
If you do not see "usbmodem..." try closing the file, disconnecting and reconnecting the USB cord, and then opening the file again. Note: the Interface should always be connected to the computer **before** opening the patch.



2. Click on the "X" next to the dropdown to enable the connection to the Interface.

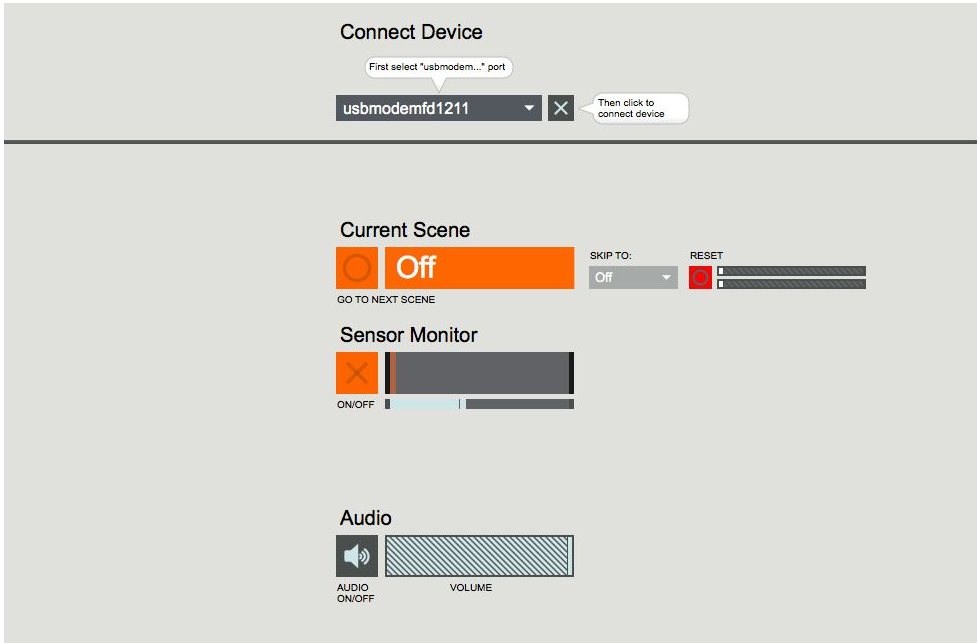


3. To check if everything is working, try moving your hand over the sensor and see if the blue status bar under "Sensor Monitor" moves.





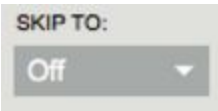


4. If the sensor bar is moving, then you're all set and ready to play with the score. You do not need to do anything else with the computer. A more detailed diagram explaining the different controls is below.

Detailed Breakdown of cello-controller.maxpat:

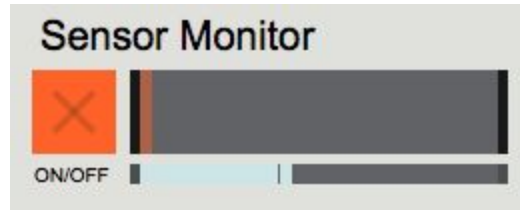



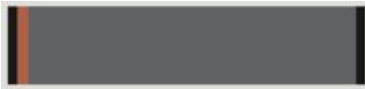

Current Scene Controls



	Goes to next scene (same action as right foot pedal)
	Tells you which scene you are currently in
	Use this dropdown to skip to any scene
	Resets the whole program and goes back to the beginning of the piece. (same action as red button on control box). Note: It is best to not press the reset button until after these indicators have stopped moving (see below).
	Scene transition indicators. Helps to monitor transitions between scenes.

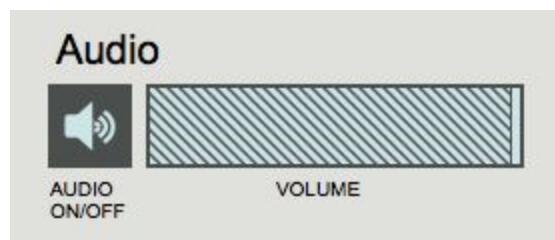
Sensor Monitor





	<p>Indicates if the sensor effect is turned on or off. (Pressing on the left foot pedal will make this indicator light up and means that the sensor is enabled)..</p>
	<p>Indicates the sensor effect level used within a scene.</p>
	<p>Sensor raw data indicator. This indicator will tell you sensor values at all times, even if the sensor is not being used in the scene. This is useful when checking if the program is working (i.e. you can check to see if this indicator moves after connecting the device).</p>

Audio Controls

Note: The audio controls generally don't need to be changed when using the program. They can stay as-is.



	<p>Indicates if audio output is enabled. This should be enabled by default.</p>
	<p>Master volume level. This is turned all the way up by default and doesn't need to be changed.</p>

V. Diagram of Performance Layout

