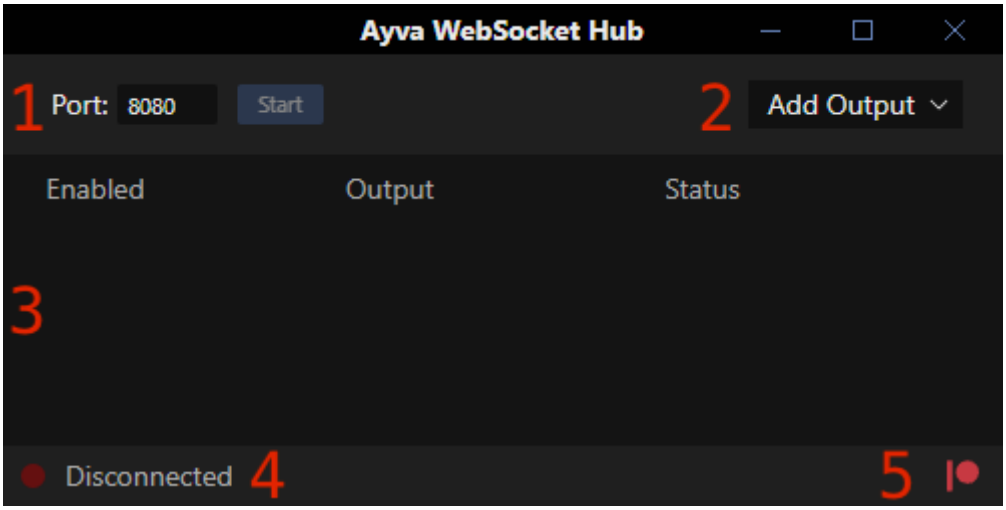
Guide

- Interface Overview
- Output Types
- Appendix

Interface Overview



1. **Listening Port** - Specify the port for Ayva WebSocket Hub to monitor incoming connections. Any TCode received on this port will be routed to the connected outputs. Click the *Start* button to begin monitoring for incoming connections. Data forwarding will commence immediately upon establishing a connection.

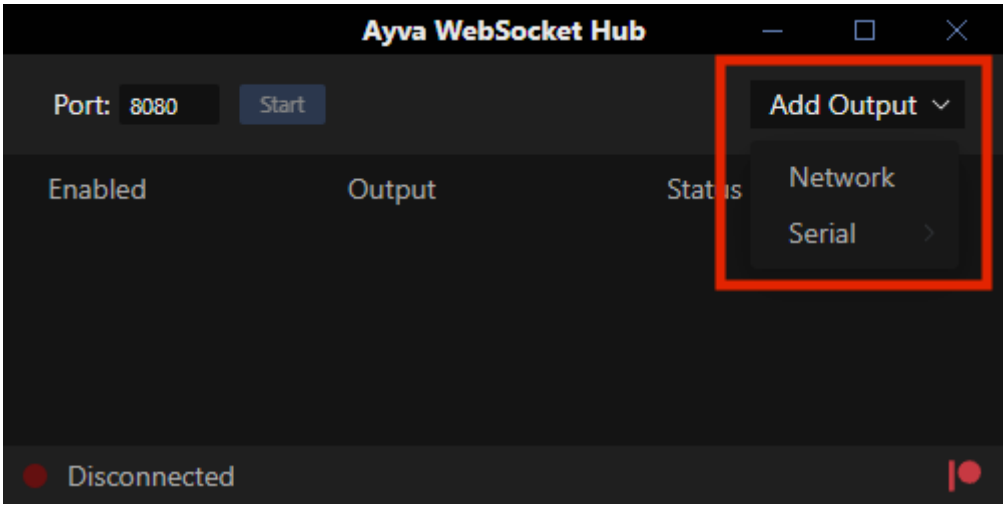
2. **Add Output** - Use this dropdown menu to select and add output streams.

3. **Outputs** - This table lists all configured outputs—which are saved across sessions—along with their connection status. You can enable or disable streaming to any listed output by using the checkbox in the *Enabled* column.

4. **Incoming Connection State** - This indicates the status of the incoming connection, which can be *Disconnected*, *Listening* or *Connected.*

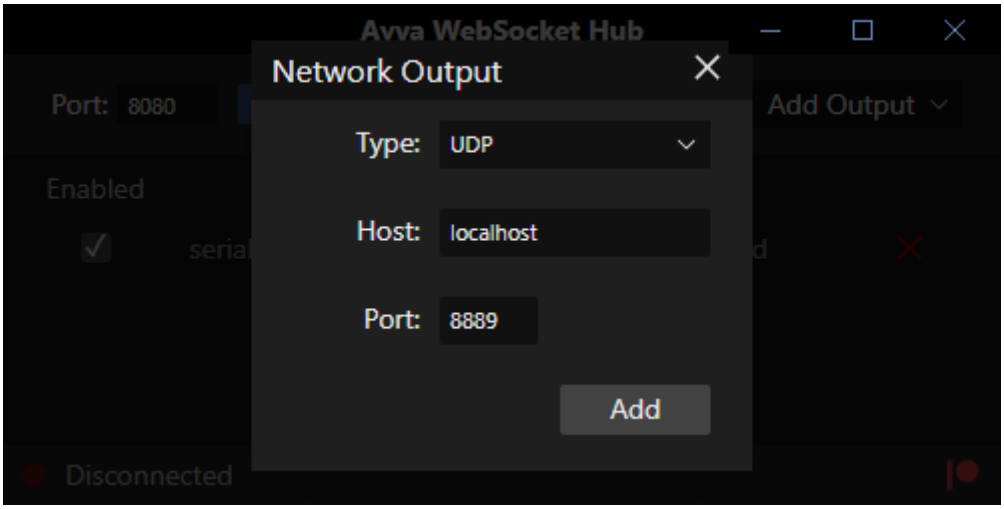
5. **Patreon Link** - Ayva Software is supported by the community. This is a link to the Patreon.

Output Types



There are two main types of outputs: **Network** and **Serial**.

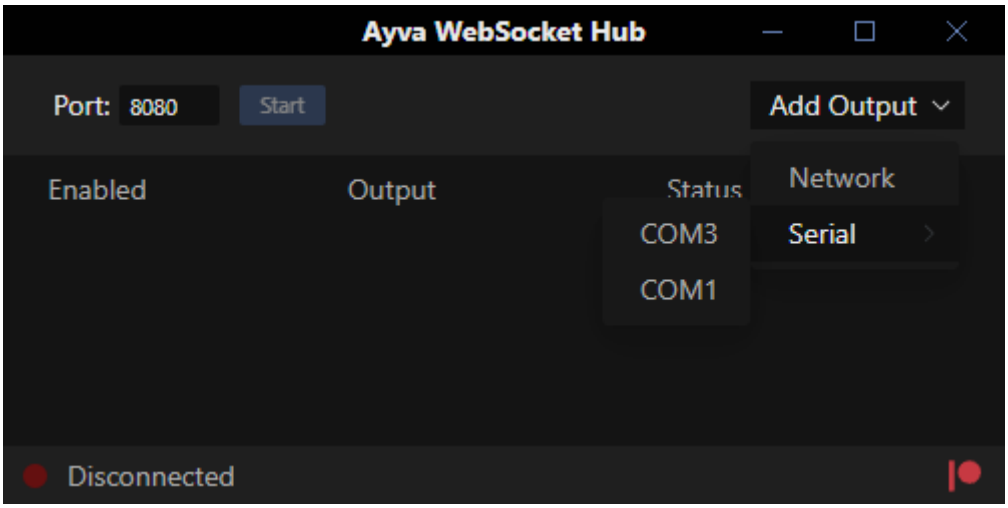
Network

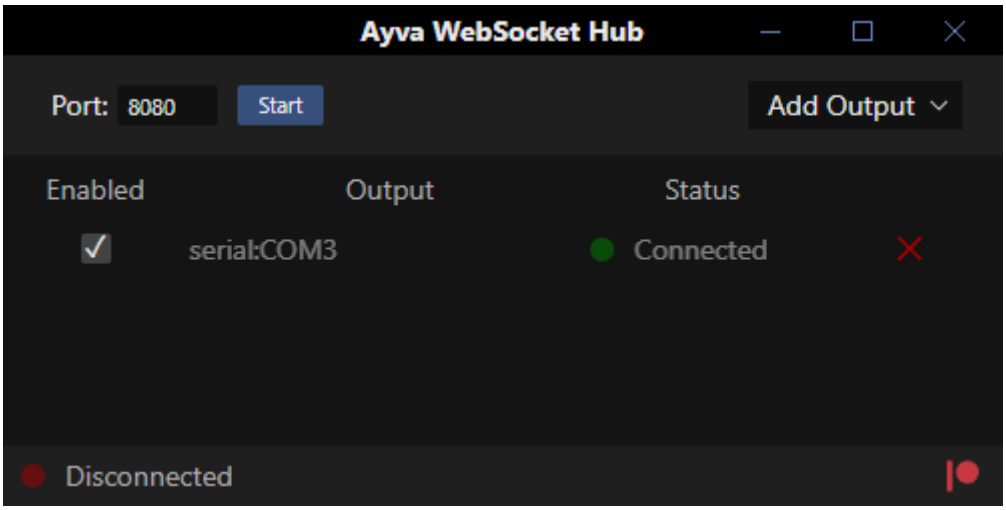


Network outputs enable connections to devices or software via TCP or UDP protocols. In TCP mode, Ayva WebSocket Hub attempts to establish a connection to a WebSocket at the `/ws` endpoint on the specified host and port. In UDP mode, packets are sent directly to the designated host and port. Note that because UDP is *connectionless*, a UDP output will always be displayed as *Connected*, even if no application or device is actively listening at the specified host and port.

TCP is typically used to connect to WiFi-enabled devices, while UDP is typically used to stream to a Virt-a-mate plugin such as BusDriver (though it can also be used for WiFi-enabled devices that support UDP).

Serial

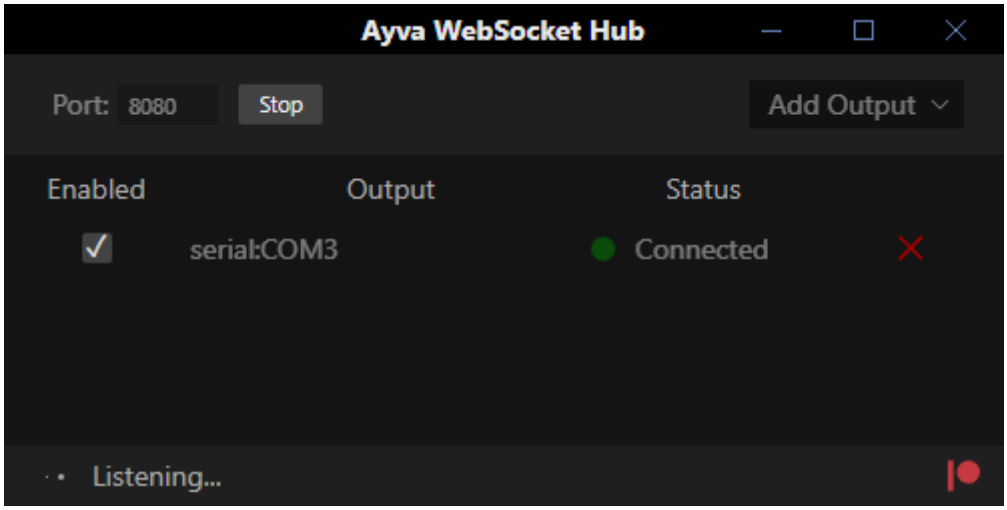


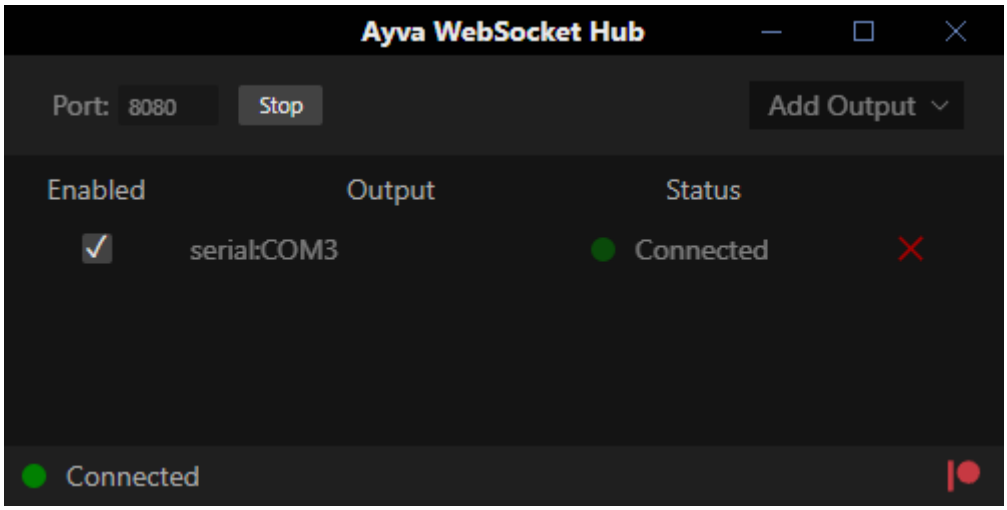


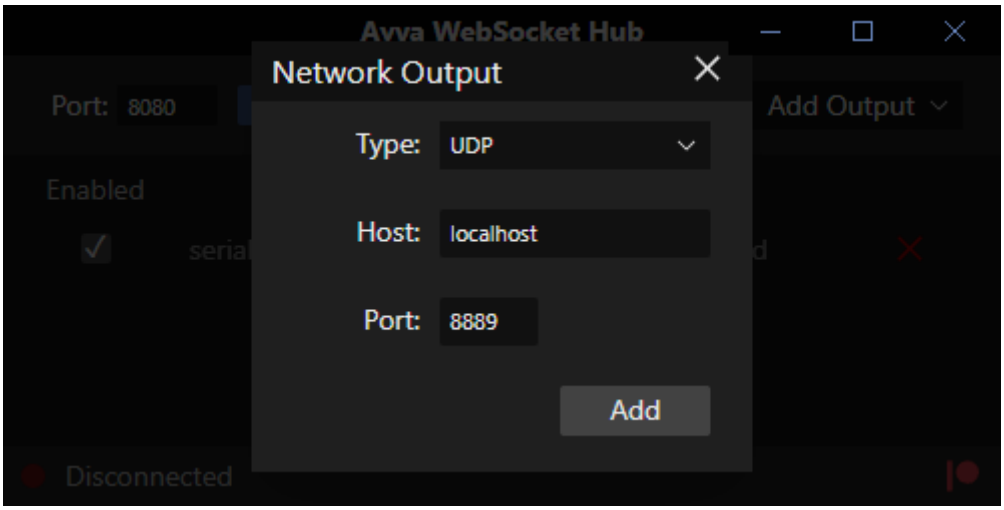
Serial outputs facilitate device connections via the Serial protocol, typically through USB. However, they can also operate over virtual serial ports that emulate physical connections for other protocols, including Bluetooth Classic.

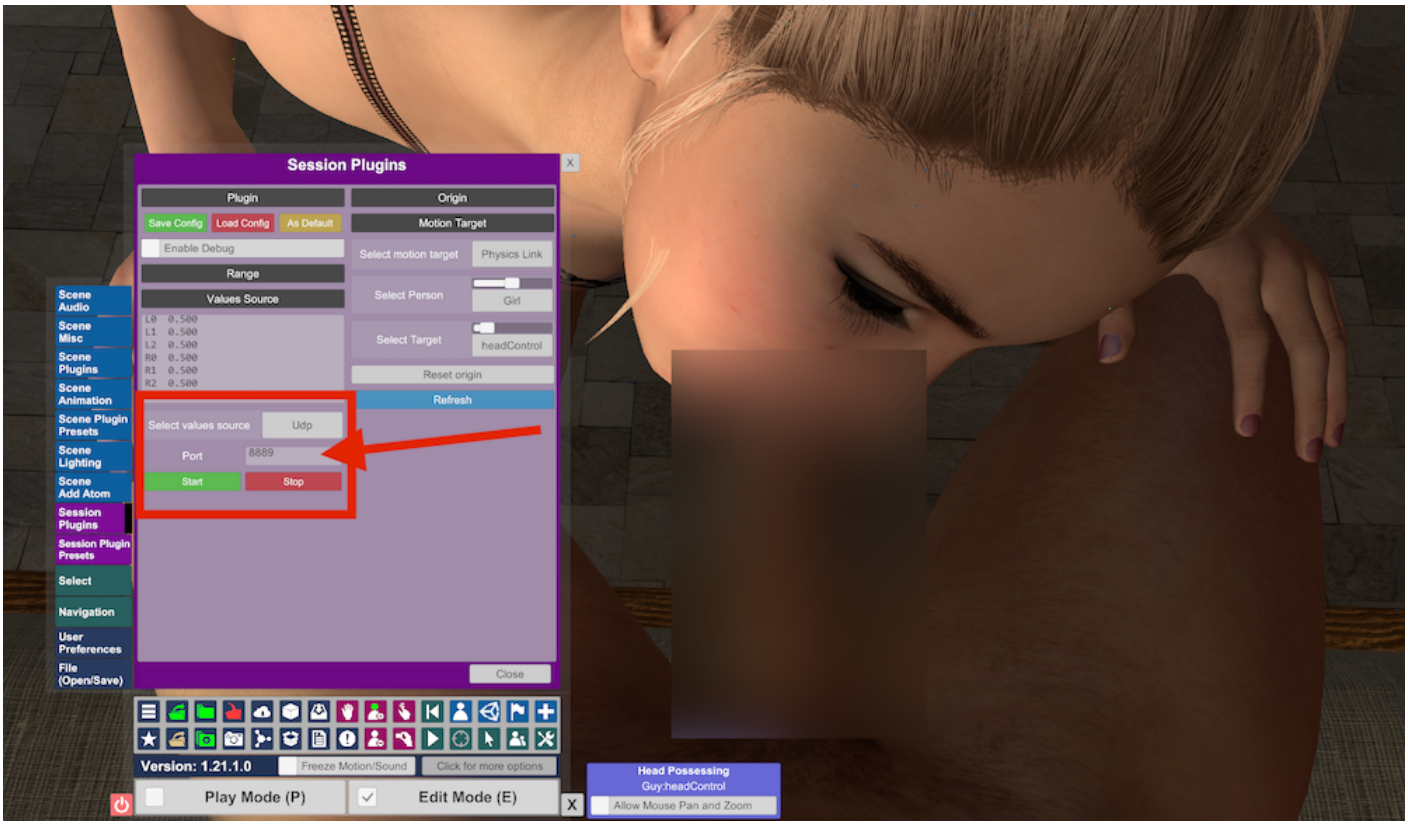
Appendix

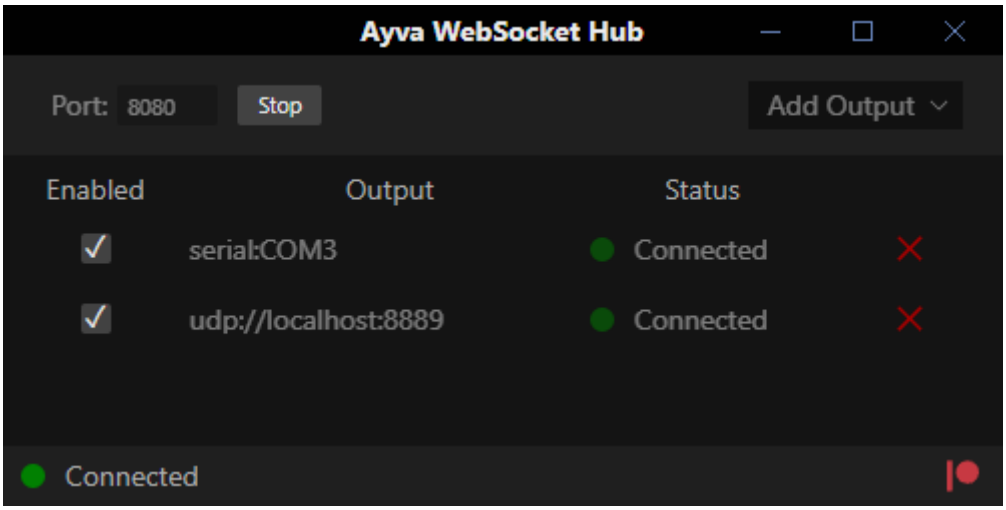
To be incorporated into the Guide



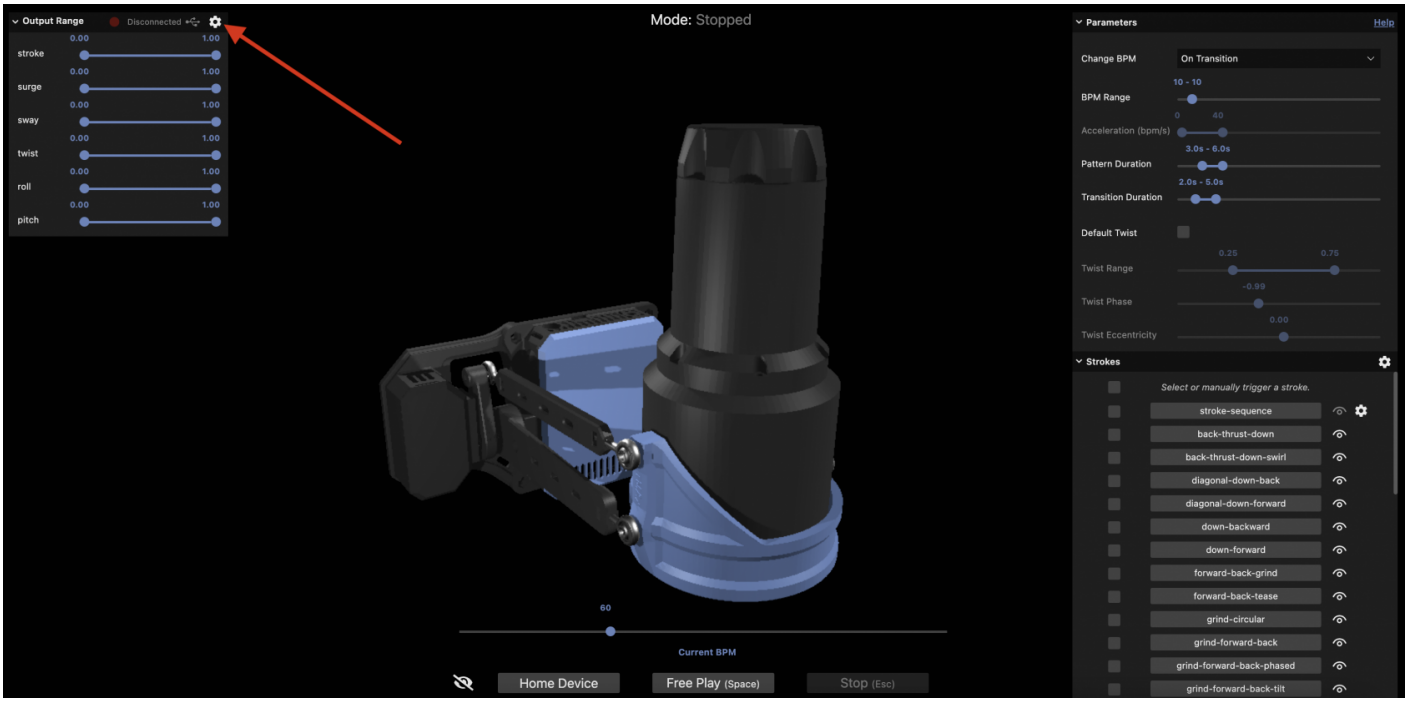


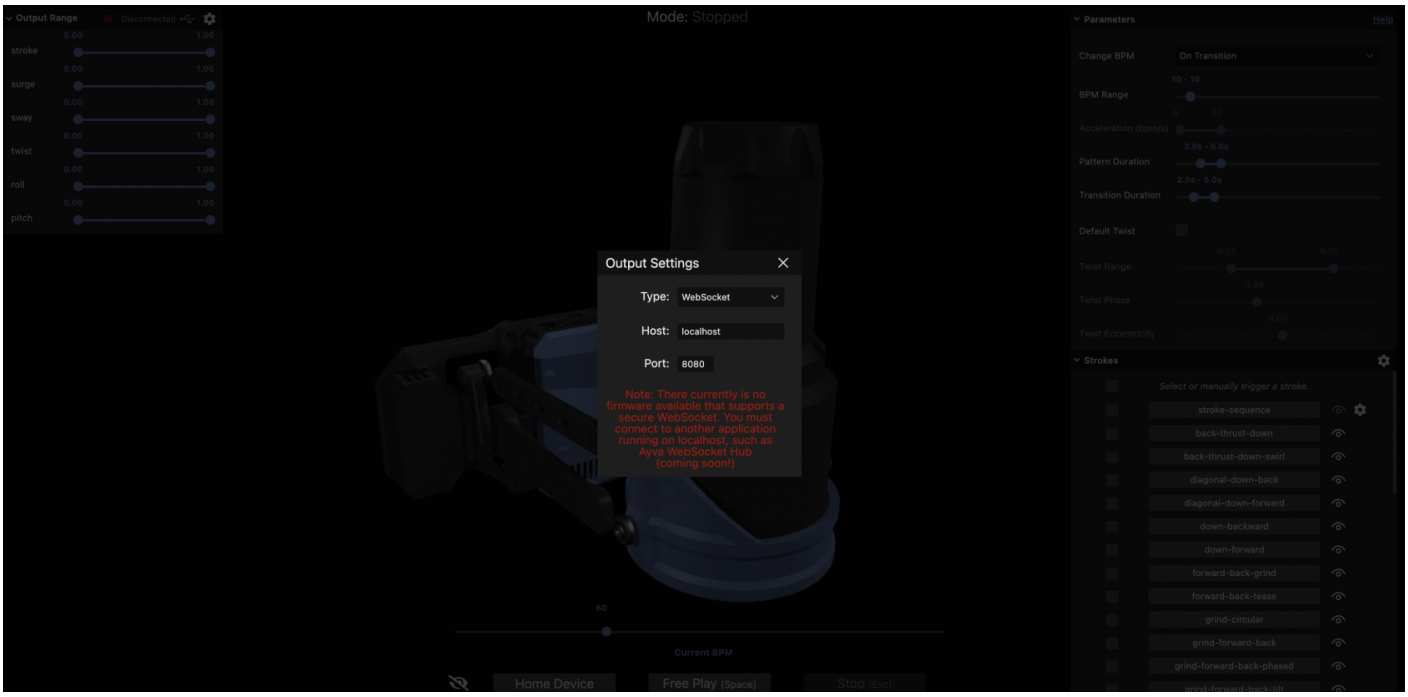

Avva WebSocket Hub
Port: 8080
Add Output
Enabled
Disconnected
Network Output
Type: UDP
Host: localhost
Port: 8889
Add


Session Plugins
Plugin
Origin
Save Config
Load Config
As Default
Motion Target
Enable Debug
Select motion target
Physics Link
Range
Values Source
Select Person
Girl
Select Target
headControl
Reset origin
Refresh
Select values source
Udp
Port
8889
Start
Stop
Close
Scene Audio
Scene Misc
Scene Plugins
Scene Animation
Scene Plugin Presets
Scene Lighting
Scene Add Atom
Session Plugins
Session Plugin Presets
Select
Navigation
User Preferences
File (Open/Save)
Version: 1.21.1.0
Freeze Motion/Sound
Click for more options
Play Mode (P)
Edit Mode (E)
Head Possessing
Guy:headControl
Allow Mouse Pan and Zoom



Example: Streaming from Ayva Stroker Lite




Output Range
Disconnected
stroke
surge
sway
twist
roll
pitch
Mode: Stopped
Output Settings
Type:
WebSocket
Host:
localhost
Port:
8080
Note: There currently is no firmware available that supports a secure WebSocket. You must connect to another application running on localhost, such as Ayva WebSocket Hub (coming soon!)
Parameters
Help
Change BPM
On Transition
BPM Range
Acceleration (bpm/s)
Pattern Duration
Transition Duration
Default Twist
Twist Range
Twist Phase
Twist Eccentricity
Strokes
Select or manually trigger a stroke.
stroke-sequence
back-thrust-down
back-thrust-down-swirl
diagonal-down-back
diagonal-down-forward
down-backward
down-forward
forward-back-grind
forward-back-tease
grind-circular
grind-forward-back
grind-forward-back-phased
Current BPM
Home Device
Free Play (Space)
Stop (Esc)