

Device: ATOMOS Shogun Studio Actions

The ATOMOS Shogun Studio recording deck can be controlled via Ethernet (TCP on port 3811) using the AMP protocol. The Shogun manual contains a list of supported commands, which seems to partly work. Historically there have been severe bugs in the TCP implementation of Shogun Studio, but latest firmware updates from ATOMOS seemed to fix this. Generally it's really poorly documented from both ATOMOS' side as well as general information about AMP which seems sparse. It would have been helpful with reference examples and proper documentation! But it does work in basic terms.

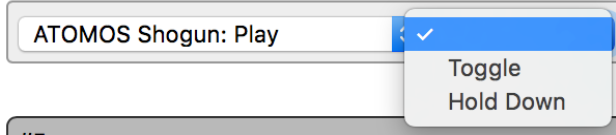
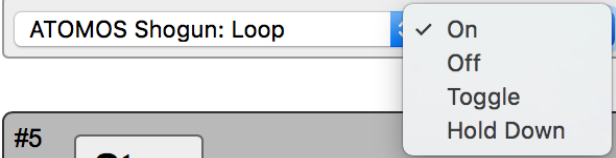
There is a **quirk** which is helpful to know about: Each time the Shogun changes from play mode to recording mode, it will disconnect the AMP client! So: The SKAARHOJ controller will be disconnected in this transition. The light will therefore go out for a short moment in the buttons but it will immediately reconnect. This is really annoying of course, but is simply how the Shogun operates and there is nothing we can do about it.

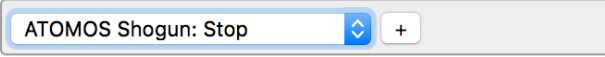
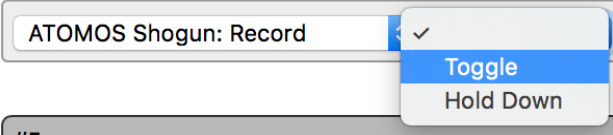
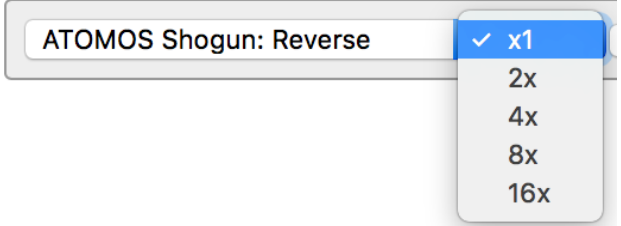
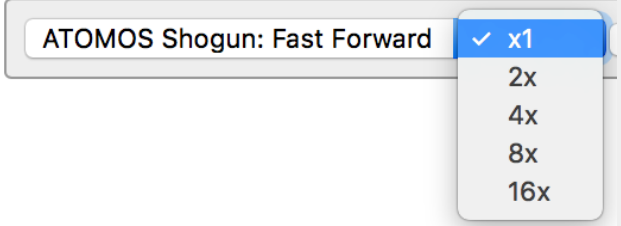
Secondly, we may add that only a single client can be connected at the time to the Shogun it seems.

Finally, if you reboot your SKAARHOJ controller and it was previously connected to the Shogun, the Shogun will still think this connection is active and the SKAARHOJ controller will not be able to connect. The easy way to circumvent this is to change from recording to playback mode (or vice versa) on the Shogun touch screen since then the old connection will be stopped and the SKAARHOJ controller will be allowed to connect again.

Also, the Shogun studio has two units in it with separate IP addresses and if you want to drive both of them you must install two device cores and set up each one for the respective side of the Shogun.

This is a table of actions for the ATOMOS Shogun Studio decks

<p>Play</p> 	<p>Play back on the Shogun</p> <p><i>Binary triggers:</i> Will start playback. If Toggle is selected, repeated presses will start/stop playback. If Hold Down is selected, the playback will happen until the trigger is released.</p> <p><i>Pulse inputs:</i> Will correspond to a binary trigger.</p> <p><i>Binary outputs:</i> Activated when the Shogun plays back</p> <p><i>Button colors:</i> Yellow highlighted when play back. Otherwise dimmed yellow.</p> <p><i>Displays:</i> Shows the label "Play" and is color highlighted. In recording mode the label will remind the user that the first push on play simply brings the device into play mode.</p>
<p>Loop</p> 	<p>Turns loop mode on or off</p> <p><i>Binary triggers:</i> Turns On/Off or Toggle or keeps loop mode on for as long as the trigger is held down.</p> <p><i>Pulse inputs:</i> Will correspond to a binary trigger.</p> <p><i>Binary outputs:</i> Activated when loop mode is on</p> <p><i>Button colors:</i> Yellow highlighted when loop is on. Otherwise dimmed yellow. If in recording mode, buttons will be off.</p> <p><i>Displays:</i> Shows the label "Loop" plus the function On/Off/Toggle/Hold Down and is color highlighted</p>

<p>Stop</p> 	<p>Stop playing or recording</p> <p><i>Binary triggers:</i> Stops recording or playing.</p> <p><i>Pulse inputs:</i> Like a binary trigger.</p> <p><i>Binary outputs:</i> Activated when the Shogun is stopped</p> <p><i>Button colors:</i> Yellow highlighted when Shogun is stopped. Otherwise dimmed yellow.</p> <p><i>Displays:</i> Shows label "Stop"</p>
<p>Record</p> 	<p>Record on the Shogun</p> <p><i>Binary triggers:</i> Will start recording (and change to record mode if not already). If Toggle is selected, repeated presses will start/stop recording. If Hold Down is selected, the recording will happen until the trigger is released.</p> <p><i>Pulse inputs:</i> Will correspond to a binary trigger.</p> <p><i>Binary outputs:</i> Activated when the Shogun records</p> <p><i>Button colors:</i> Red highlighted when recording. Otherwise dimmed yellow.</p> <p><i>Displays:</i> Shows the label "Rec" and is color highlighted.</p>
<p>Reverse</p> 	<p>Reverse shuttle on Shogun</p> <p><i>Binary triggers:</i> Will start shuttle at the selected speed.</p> <p><i>Pulse inputs:</i> Will correspond to a binary trigger.</p> <p><i>Binary outputs:</i> Activated when the Shogun moves in reverse</p> <p><i>Button colors:</i> Yellow highlighted when shuttling. Otherwise dimmed yellow.</p> <p><i>Displays:</i> Shows the label "Rewind" plus the speed and is color highlighted.</p>
<p>Fast Forward</p> 	<p>See Reverse above</p>