

iCON P1-M, V1-M & P1-Nano Scripts for Studio One

Overview

These scripts are used instead of the generic 'Mackie Control' device in Studio One.

They enable the controllers to be used to their full potential as they are not limited by the Mackie protocol on the Studio One side.

The iCON controllers are still designed for the Mackie protocol however, so there are still some limitations that cannot be overcome. For example, Studio One will provide track names longer than 7 characters, but the Icon units will only accept 7 because that's all the Mackie protocol allows.

Instead of the Mackie engine, these scripts use Studio One's "JSControlSurfaceDevice" engine. This is the same engine they use for the native integration of their Faderport controllers. This allows access to more data e.g. track colours and gain reduction meters.

Videos

As well as the PDF documents, there are also video tutorials available on my YouTube channel. The links are on the forum [here](#).

Improvements over Mackie Control

- Metering
 - Accurate to +/- 0.01dB
 - Meaningful position of 0dB
 - Red clip lights work
 - Switchable to show gain reduction
 - Stereo metering in focus modes (uses meters from two channels)
 - Meters don't get stuck when moving channels left/right
 - Master channel meters work (max left/right on P1-M and Nano, stereo on the V1-M)
- Track Colours
 - 2 million different colours can be shown. Studio One allows 16 million colours so the colours are rounded to the closest. For the purpose of identifying tracks, this isn't an issue; the colours look pretty much identical.
- 4 Lines of text used to display more data and makes the controller easier to use
- Time code display contains dots to separate the units (e.g. bars, beats) and hides leading 0s making it easier to read.
- The console in Studio One automatically scrolls to make the selected controller track visible on the screen (enabled by default).
- 'Locate' button on the Icon's touch screen will instantly bank the controller to where the currently selected track is. (Automatic on the Nano).
- Tapping a fader with 'shift' mode engaged resets it to the default value
- Access to many more functions like: input gain, polarity, send pre/post fader

- Automation status is shown on the display for each track
- Banking takes into account extender units.
 - e.g. if you have a P1-M and a P1-X the banking buttons will move 16 tracks at a time.
- Control plugins and virtual instruments with the faders, rotary encoders and select buttons.
- Control channel Macro Controls with the rotary encoders
- Bus spill feature lets you see only tracks that feed a chosen bus on the control surface. VCA spill shows tracks that are controlled by a chosen VCA.
- On Studio One 7 and later, the Jog Wheel moves according to the time format of the ruler and the zoom level of the timeline. The more you are zoomed in the smaller the steps the jog wheel will move.