

MIDI Remote for the Mackie C4 (Version 1.0)

This script has been tested on an eLogic Mackie C4 that has version 1.02 firmware installed, and using Cubase Professional 12.0.10 and the E-mu 1x1 midi interface.

It has not been tested on a Mackie C4-Pro but since the protocol is the same, then other than potential detection issues, it should work.

Installation

- Create folder structure "mackie/c4" inside "../MIDI Remote/Driver Scripts/Local" folder.
- Copy the mackie_c4.js file inside c4 folder.
- Connect your device.
- Start Cubase/Nuendo.

Since the midi name will likely be different for other users, the `.expectInputNameEquals` and `.expectOutputNameEquals` were commented out of the mackie_c4.js script and the user may want to uncomment them and change for their own interface as seen below:

```
this.deviceDriver.makeDetectionUnit().detectPortPair(this.midiInput,this.midiOutput)
    .expectInputNameEquals('E-MU XMidi1X1')
    .expectOutputNameEquals('E-MU XMidi1X1')
```

As of Cubase version 12.0.10, the script can be added via the "+" button, and MIDI ports can be assigned manually.

When your unit is detected, the serial number and version of the firmware should print out in the MIDI Remote Script Console.

Mackie C4 Pages

As of version 1.0, the following pages have been implemented:

- Equalizer Mixer Mode Page

Equalizer Mixer Mode Page

This page implements the ability to control the parameters of the four equalizers on each of the mixer channels as pictured in Figure 1.

Controls

- Row 1 Knobs – Change the frequency in Hz of the selected equalizer on the selected channel.
- Row 2 Knobs – Change the gain in decibels of the selected equalizer on the selected channel.
- Row 3 Knobs – Change the Q factor of the selected equalizer on the selected channel.
- Row 3 Knobs – Change the Q filter type of the selected equalizer on the selected channel.
- Row 3 Buttons – Toggles the on/off state of the selected equalizer on the selected channel.
- Bank Left – Shift the channels left in banks of 8 channels.
- Bank Right - Shift the channels right in banks of 8 channels.
- Single Left (Channel Left) - Shift the channels left by one.
- Single Right (Channel Right) - Shift the channels right by one.
- Slot Up (Next Equalizer) – Select the next equalizer.
- Slot Down (Previous Equalizer) – Select the previous equalizer.

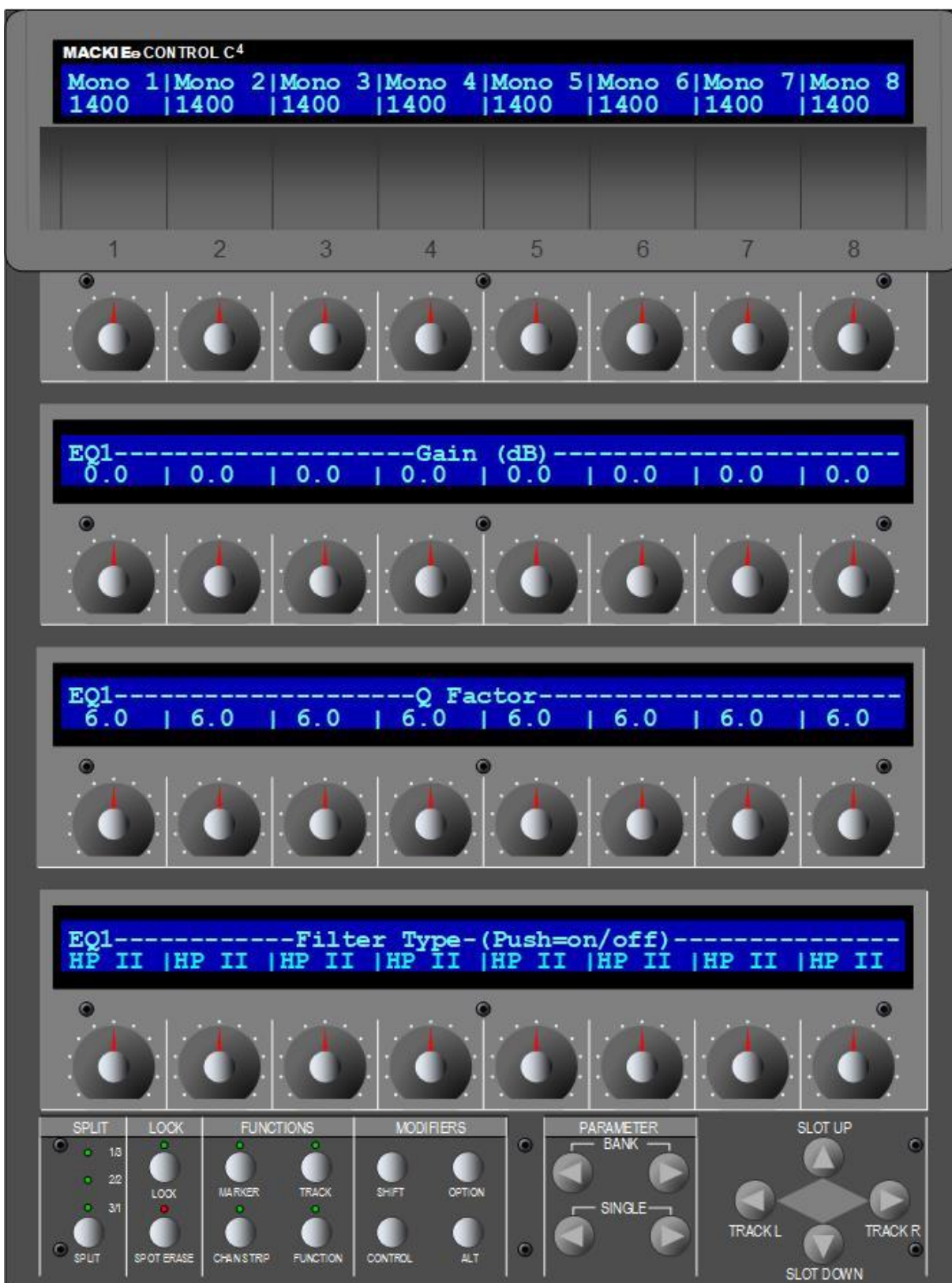


Figure 1 - Mackie C4 Equalizer Mixer Page

Known Issues:

- When a value is changed withing Cubase, the LED updates to the correct position but the display value on the Mackie C4 does not. If the corresponding knob is knudged (one click to the right then left) the values will sync up. A fix is being investigated.

Changelog:

- V 1.0 4/22/2022 – Initial Release

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