

Moog Sub 37 - Firmware Update 1.0.3

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New in 1.0.3

- * Fixed possible freeze during patch changes

New in 1.0.2

- * Custom tuning selection
- * Poly mode
- * MIDI output filtering now includes keyboard and wheel options
- * Arpeggiator and sequencer reliability improvements
- * MIDI sync behavior fixes and improvements
- * Numerous other user interface reliability improvements

What you will need

- A computer
- A program for sending MIDI Sysex data to your Sub 37. We recommend the Elektron C6 Sysex Manager as these instructions are based on it.

Download and install the C6 Sysex Manager

1. Go to <http://www.elektron.se/support-and-downloads>
2. Scroll to the bottom of the page and click the word **APPLICATIONS**
3. From the APPLICATIONS menu, select the Application: **C6 Sysex Manager**
4. Download the Mac or Windows installer, and install C6

BEFORE YOU UPDATE YOUR FIRMWARE: Make sure the power and USB connection to your Sub 37 is secure and cannot be unplugged by accident, for instance by a roommate or the family dog, before you start the update process. Both of these examples have actually happened, so please be careful.

Common problems:

The display is blank and/or all of the LEDs are lit.

- The firmware on your Sub 37 has not been updated correctly. Repeat the update procedure. Note that nothing will appear on the display until the panel firmware update is complete.

The firmware update won't install via DIN MIDI.

- Sub 37 firmware updates can only be performed through the USB port.

Update instructions

1. Connect a USB cable from the Sub 37 directly to your computer. (Avoid using a USB hub if possible, as many USB hubs do not work reliably and can cause the update to fail.)
2. If you have not already done so, unzip the **sub37_1_0_3.zip** file.
3. Open the **C6** software and click the **CONFIGURE** button. In the MIDI In and MIDI Out panes, select **Moog Sub 37** and then click **OKAY**.
4. Turn **OFF** your Sub 37.
5. Set the **FINE TUNE** and **CUTOFF** knobs fully counter-clockwise.
6. While holding the **PITCH WHEEL** all the way up, turn **ON** your Sub 37. After a pause, the red MIDI LED will blink slowly a few times. Then it will stop blinking, and the ARP RATE LED will begin blinking about once per second. The display may also read **FIRMWARE UPDATE: Flash Erased - Ready for Code**.
NOTE: If the display remains blank, but the ARP RATE LED is blinking, you may still proceed. The display will remain blank, but the firmware update will still work.
7. In the **C6** main window, click **LOAD**, select the file named **sub37_1_0_3_step1.syx**, and click **OPEN**.
8. In the **C6** main window, highlight the file **sub37_1_0_3_step1.syx** and click **SEND**. The MIDI LED will blink red as the Sub 37 receives data. The display may also read **Flash Erased - Getting buffers**, with the **Page** number increasing in the display.
NOTE: If the display remains blank, but the MIDI LED is blinking red, don't worry – the firmware is loading.
9. When the transmission is complete, the Sub 37 will restart itself with the new firmware.
NOTE: If the display was blank in the preceding steps, it will remain blank until the update process is completed.
10. In the **C6** main window, click **LOAD**, select the file named **sub37_1_0_3_step2.syx**, and click **OPEN**.
11. In the **C6** main window, highlight the file **sub37_1_0_3_step2.syx** and click **SEND**. The Sub 37 will briefly show a message, and then go blank. Then the ARP RATE LED will blink rapidly.
NOTE: If the firmware update process failed on a previous attempt, the ARP RATE LED will still blink, but the display may remain blank, and all the lights may be lit.
12. In the **C6** main window, click **LOAD**, select the file named **sub37_1_0_3_step3.syx**, and click **OPEN**.
13. In the **C6** main window, highlight the file **sub37_1_0_3_step3.syx** and click **SEND**. You should see the MIDI LED flash red on the Sub 37. If you do not, cancel the transmission and return to step 3. **Make certain that the Sub 37 is selected in Step 3.**

When the transmission is complete, your Sub 37 will restart itself using the new firmware.

You can check the firmware version number by powering on your Sub 37 while holding **CURSOR**, or by going to the last page of the **GLOBALS** menu.