

# MOOG MOTHER-32 FIRMWARE UPDATE v2.0.1

April 2021

## ABOUT FIRMWARE UPDATE v2.0.1

Version 2.0.1 is a minor firmware update to Mother-32. It restores the following legacy behavior that was found in firmware v1.0, but not in v2.0:

- Applying a clock or a series of triggers to the **RUN/STOP** input will advance the Sequencer one step per trigger, providing a quick form of basic Clock Sync.

**NOTE:** This does not impact the normal behavior of the **RUN/STOP** input; a regular gate signal will start and stop the sequencer as expected.

In order to begin enjoying this feature, you will first need to update your Mother-32.

## WHAT YOU WILL NEED

- A computer with internet access, running Windows or macOS.
- A USB-MIDI Cable or Interface with 5-Pin MIDI Output.
- A program for sending MIDI SysEx data to your Mother-32. We recommend Bome SendSX for Windows or SysEx Librarian for macOS.

## DOWNLOAD & INSTALL THE SYSEX SOFTWARE

- **WINDOWS:** <https://www.bome.com/products/sendsx/downloads>
- **macOS:** <http://www.snoize.com/SysExLibrarian>

## BEFORE YOU UPDATE YOUR FIRMWARE

Make sure the power and MIDI connection to your Mother-32 is secure and cannot be unplugged by accident—by a roommate or a child or the family dog, for instance—before you start the update process.

## UPDATE INSTRUCTIONS

1. Connect your Mother-32 to your computer using a USB-to-MIDI cable or via your MIDI-enabled interface.  
**NOTE:** Avoid using a USB hub, if possible, as many USB hubs do not work reliably and can cause the update to fail.
2. Download the newest Mother-32 Firmware from here: <https://www.moogmusic.com/products/mother-32>.
3. Open the downloaded .zip file, then open the folder **Mother-32\_v2.0.1**.
4. Copy these files from the folder to your SysEx application's library: **Mother-32\_ERASE\_firmware.syx** and **Mother-32\_Firmware\_v2\_0\_1.syx**.
5. Send **Mother-32\_ERASE\_firmware.syx** from your SysEx application to your Mother-32 via your USB MIDI interface. Look for the **TEMPO** LED to flash green/red; this means the unit is now in Boot-Loader Mode. The old firmware still needs to be erased.
6. Send **Mother-32\_ERASE\_firmware.syx** a second time. You should see two slow red blinks from the **TEMPO** LED; then, it will flash green on/off. The old firmware is now erased and the unit is ready for new firmware.
7. Send the new firmware file, **Mother-32\_Firmware\_v2\_0\_1.syx**, to your Mother-32. Observe the **MIDI** LED flashing red and the **TEMPO** LED flashing yellow during transfer.
8. Upon completion, the **TEMPO** LED will flash green 2-3 times and the unit will perform the normal boot-up light show sequence. Your firmware update is now complete.

If you have any questions or trouble with your update, please contact [techsupport@moogmusic.com](mailto:techsupport@moogmusic.com).