

For help knowing how to update, you can follow the step-by-step process in this video [How to Update Firmware](#).

## WHAT YOU WILL NEED

- A Computer
- A USB Flash Drive  
***NOTE:** If the drive was formatted on an Apple computer, it must be reformatted to FAT or FAT32 in order for Moog One to recognize the drive.*
- Internet access

## HOW TO CHECK YOUR FIRMWARE VERSION

1. Press the **SETTINGS** button in the Center Panel.
2. Use the Master Encoder in the Center Panel to scroll down to UTILITIES.
3. Press the Master Encoder to select UTILITIES.
4. Use the Master Encoder to scroll down to FIRMWARE VERSION (the installed version will be displayed here).

## HOW TO UPDATE YOUR FIRMWARE

1. Download the newest Moog One Firmware from <https://www.moogmusic.com/products/moog-one>
2. Open the zip file.
3. Open the folder titled "Moog One v1.4.0".
4. Inside of this folder is another folder titled "Moog One Firmware v1.4.0". Open this as well.
5. Locate the Firmware file titled "moog-one-v1.4.0". Copy this file to the root directory of your USB Flash Drive.  
***NOTE:** "Root directory" refers to the highest level directory in your USB Flash Drive, meaning the Firmware file should not be placed in any folder.*
6. Safely eject the USB Flash Drive from your computer and plug it into the USB HOST port on the back of your Moog One. Allow a few seconds for your Moog One to read the drive.
7. Press the **SETTINGS** button in the Center Panel of your Moog One.
8. Use the Master Encoder to navigate to UTILITIES - UPDATE FIRMWARE and press the Master Encoder to select UPDATE FIRMWARE. (All firmware versions located in the root directory of the USB Flash Drive will be displayed).
9. Use the Master Encoder to scroll to the desired firmware version and press CONFIRM to begin the firmware update process.

The firmware update process may take a few minutes to complete (~5 minutes). When done, you will be prompted to restart your Moog One. This restart process may take longer than normal as the instrument may need to update its internal settings (~10 minutes).

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

# V1.4.0 RELEASE NOTES

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## NEW FEATURES

### 1. Oscillator Compensation

Oscillator Compensation is a new update to Moog One's tuning algorithm and provides real-time tuning compensation across the range of the instrument. Even if your Moog One is well-tuned and calibrated, using Oscillator Compensation will improve tuning performance.

**NOTE:** *Oscillator Compensation is temperature-dependent and therefore affected by Fan Mode settings. Oscillator Compensation Calibration must be run any time Fan Mode is changed.*

#### TO RUN OSCILLATOR COMPENSATION CALIBRATION:

1. Let Moog One warm up for at least 45 minutes.
2. Navigate to SETTINGS > UTILITIES and select OSCILLATOR COMPENSATION.
3. Select CALIBRATE. The process will take about 10 minutes.  
**NOTE:** *Do not press any keys during Oscillator Correction Calibration, as introducing new pitches during this process will skew the cal data and may cause unintended behavior.*
4. Power-cycle Moog One once the calibration and data transfer is complete.  
**NOTE:** Moog One needs to achieve a stable operating temperature in order for Oscillator Compensation to work properly. When powering up your instrument from a cold state, it will take approximately 15-20 mins for Oscillator Compensation to activate (if Oscillator Compensation is set to ON).
5. After completing steps 1-4, Oscillator Compensation can be enabled/disabled at any time by navigating to SETTINGS > HARDWARE SETTINGS > OSCILLATOR COMPENSATION and using the far right soft knob to toggle ON/OFF.

### 2. New Sequencer Command

**SHIFT + I◀RTZ** will reset all sequences to the first step, even if only one Synth is selected in PANEL FOCUS. This is a quick and easy way to make sure all sequences are in sync.

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## IMPROVEMENTS

### 1. Updated LCD sleep mode behavior

The encoder knob now takes the LCD out of sleep mode.

### 2. Preset Packs now included in firmware updates

The following preset packs will appear when creating a new Factory User Space:  
CLASSICS, KING/KEVIN LAMB, STEREO FUTURES and TRANSFORMERS.

## BUG FIXES

### 1. Fix for disappearing MIDI mapping settings

In previous firmwares, it was possible to lose settings in MIDI MAPPING lanes by modifying parameters in other lanes. This is resolved.

### 2. Fix for inaccessible MIDI mapping parameter

In previous firmwares, OUTPUT was not able to be selected as a MIDI MAPPING destination. This is resolved.