



IEEE1394 Firmware Update Guide (For Mac OS X)

Thank you for choosing a Yamaha product.

This document covers how to update the mLAN16E2 firmware by using the IEEE1394 Firmware Updater, resulting that the mLAN16E2 is compatible with the MOTIF XF series. The update is operated from the Mac connected via an IEEE1394 cable to the mLAN16E2 with which the MOTIF XF is equipped.

Precautions (please be sure to read these)

- The user assumes full responsibility for the update.
- Please note that the device may be damaged if you fail to follow these instructions properly, or turn off the device or disconnect the cable while the update is in progress. When a message appears in the display prompting you to restart your computer as illustrated below, follow the on-screen instructions.



- If the update fails, and the device still does not operate correctly even after you execute the update once again, please contact your Yamaha dealer.
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System requirements

Your system must satisfy the following requirements in order to execute to update successfully.

A Mac equipped with the following conditions:

- The following drivers is installed and works properly on the computer.
 - Yamaha Steinberg FW Driver

Included Files

This folder contains the following files:

- | | |
|-----------------------------|-------------------------------|
| • update_guide_mac_en | This document (PDF file) |
| • releasenotes_en | Describes the update history. |
| • IEEE1394_Firmware_Updater | The update program |
| • IEEE1394_Firmware.bin | The update data |

Preparing for the update

Before starting the update program, quit all other programs. While the update is in progress, do not start any other programs or switch between windows.

If your computer enters Sleep or Energy Save mode, data transfer to the device may stop. Therefore, you should disable these functions to prevent this from happening. We also recommend that you do not use any screen saver or similar background programs.

Make sure that "IEEE1394_Firmware_Updater" and "IEEE1394_Firmware.bin" reside in the same folder.

Update procedure

1. Connect a computer directly to a device (without using a hub) by using a FireWire cable.

Be sure to disconnect all other FireWire devices, except the one to be updated.

2. Double-click "IEEE1394_Firmware_Updater" to start the program.

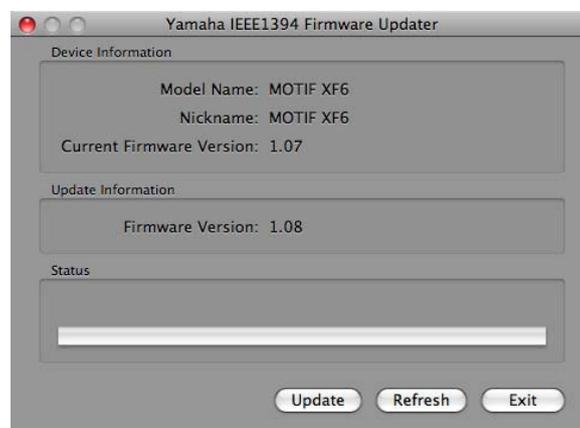


- If an error message appears, check the cable connection and system requirements, and start the program again.
- For details about the error messages, see page 4.

3. Confirm that the Device Information indicates the name of the device to be updated.



- If the name of the device to be updated does not appear in the Device Information, check the cable connection then click the [Refresh] button.



4. Click the [Update] button to start the update process.

NOTICE

It may take approximately 30 seconds to complete the update process. While the update is in progress, never turn off the device or disconnect the cable. Please note that the device may be damaged if such a situation happens accidentally while the update is in progress. When a message appears in the display prompting you to restart your computer as illustrated below, follow the on-screen instructions. For information about the messages, see the next page.



If the update fails, and the device still does not operate correctly even after you execute the update once again, please contact your Yamaha dealer.

5. When the following message appears, the update process has been completed. Click [OK], click [EXIT] and turn off the device.



Error messages



- If the same error message appears each time you try to update, the device may need repairing, in which case you should contact your Yamaha dealer.

**"Your system doesn't satisfy the system requirements for the update.
Please make sure the requirements are satisfied, then start the program again."**

Solution: As described above.

**"An error occurred while communicating with the device.
Please restart the device and the computer, then start the program again. "**

Solution: As described above.

"Could not open the data file."

Solution:

The data file for update may have been lost. Unzip the compressed file downloaded from the Yamaha web site again, then perform the procedure once again from the beginning.

"The data file is not correct."

Solution:

The data file for update may have been lost. Unzip the compressed file downloaded from the Yamaha web site again, then perform the procedure once again from the beginning.

**"An error occurred while uploading the firmware.
Please restart the device and the computer, then start the program again. "**

Solution: As described above.

**"An error occurred while initializing the program ROM.
Initialization will be executed again. "**

Solution:

Click [OK]. If the error message above appears again, click [Cancel] to exit the update program, restart the computer only (no other devices), then start the update program. Never turn the power of the device off in this situation.

**"An error occurred while updating the program ROM.
The update will be executed again. "**

Solution:

Click [OK]. If the error message above appears again, click [Cancel] to exit the update program, restart the computer only (no other devices), then start the update program. Never turn the power of the device off in this situation.