NUX NES-1 Firmware Update Guide

To ensure successful firmware update for your NES-1, please strictly follow the steps in this guide:

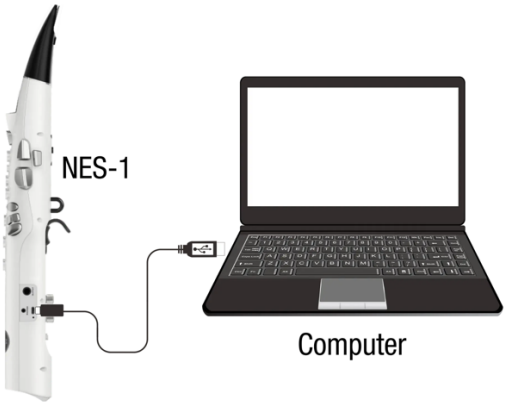
Note: This guide is for users with version V2.0.0 and below.

1. Download the latest firmware

- Unzip the downloaded file, in which you can find two firmware parts that need to be updated: **MCU** and **DSP**.

2. Connect the NES-1 and activate the firmware update mode

- Use a USB-MIDI cable, connect one end to the USB port on the left side of NES-1 and the other end to your computer.

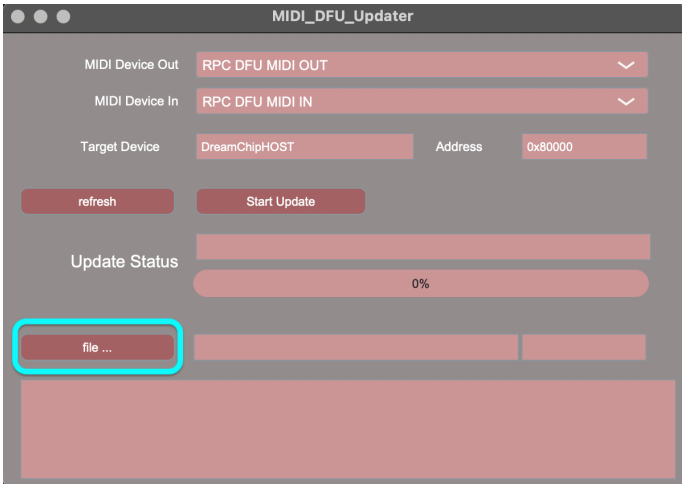


3. Update the MCU Firmware

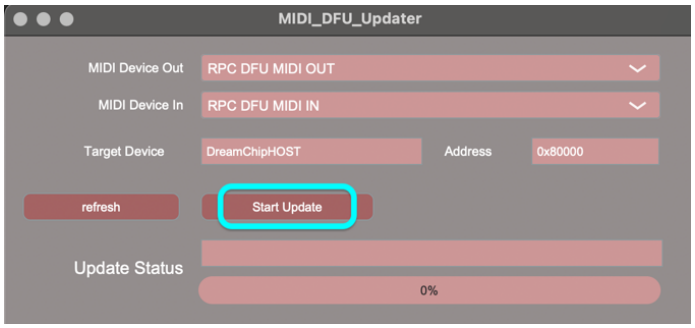
Install the Updater ("MIDI_DFU_Updater.exe" for Windows, "MIDI_DFU_Updater 1.0.1.dmg" for MacOS) on your computer.

- Press and hold both "**ON**" and "**SELECT**" buttons, until it shows "FIRMWARE UPDATE" on the screen.

- After open the **MIDI_DFU_Updater**, click "**File...**" and select the firmware (NES-1_MCUFirmwareV2.0.3.bin).



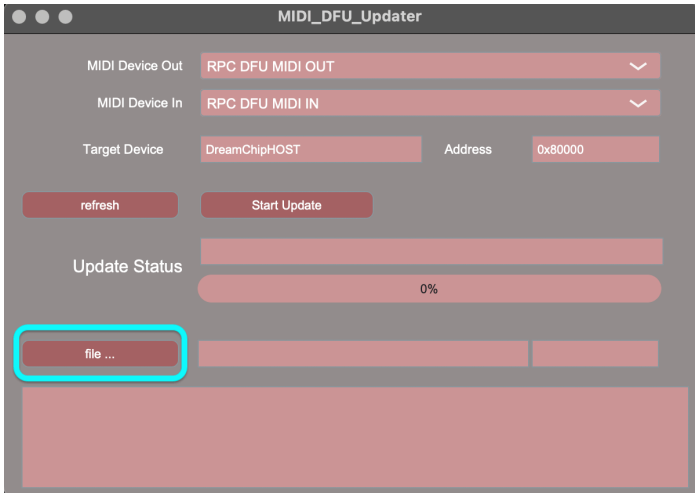
- Click “**Start Update**” and wait until the status bar shows 100%. **DO NOT** unplug the USB cable or the power supply during the process.



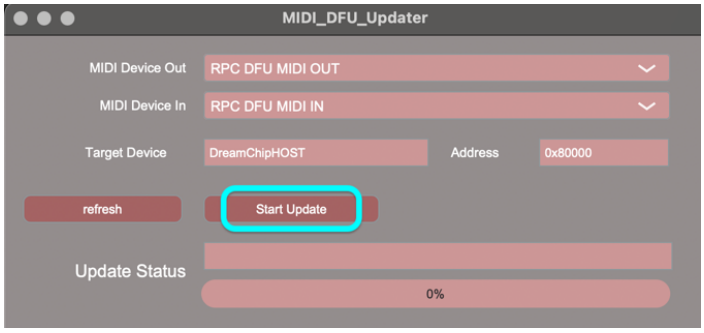
- Turn the switch to the “OFF”.

- Press and hold both “**ON**” and “**TRANSPOSE**” buttons, until it shows “FIRMWARE UPDATE” on the screen.

- After open the **MIDI_DFU_Updater**, click "**File...**" and select the firmware (NES-1_DFUFirmwareV1.0.1.bin).



- Click "**Start Update**" and wait until the status bar shows 100%. **DO NOT** unplug the USB cable or the power supply during the process.



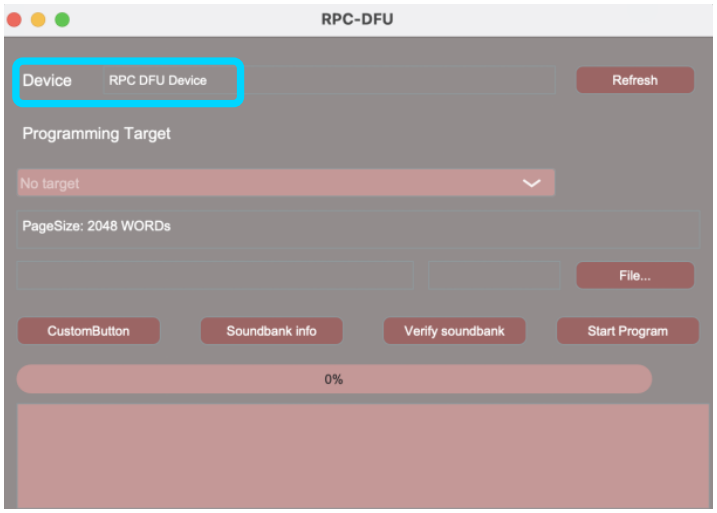
- Turn the switch to the "OFF".

4. Update the DSP Firmware

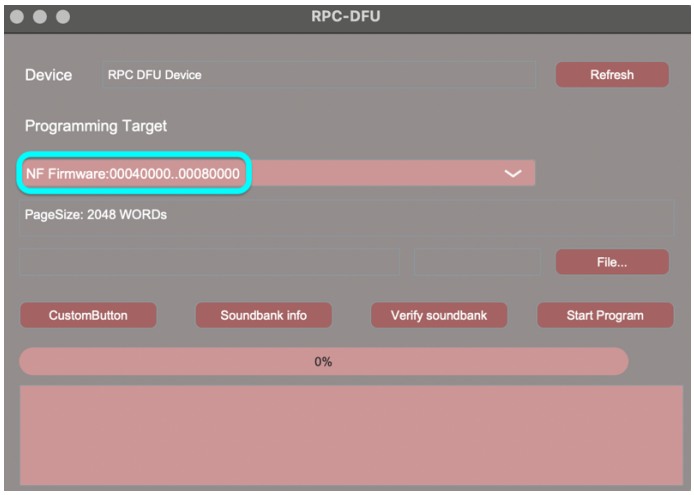
Install the Updater ("RPC-DFUForWin.exe" for Windows, "RPC-DFU1.0.0.dmg" for MacOS) on your computer.

- Press and hold both "**ON**" and "**SELECT**" buttons, until it shows "FIRMWARE UPDATE" on the screen.

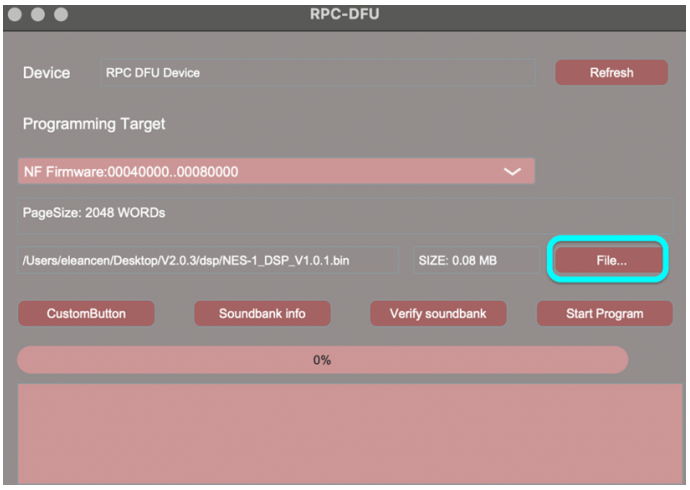
- After open the **RPC-DFU**, the "Device" section will show "RPC DFU Device", which means the NES-1 has been connected successfully.



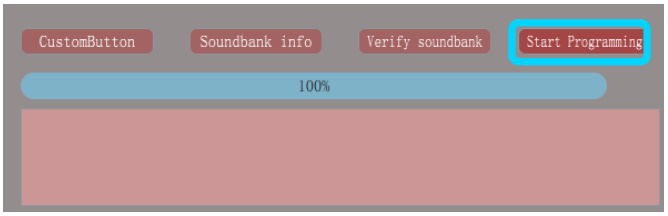
- Under the “Programming Target” menu, select “NF Firmware”.



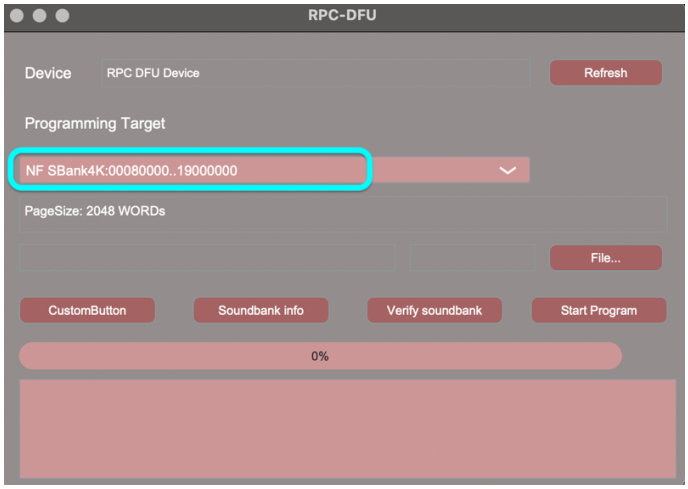
- Click “File...” and select the firmware (NES-1_DSP_V1.0.1.bin).



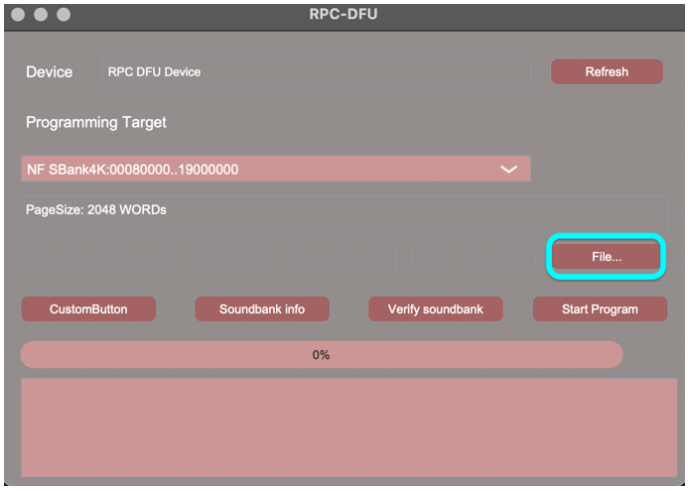
- Click “Start Programming” and wait until the status bar shows 100%. **DO NOT** unplug the USB cable or the power supply during the process.



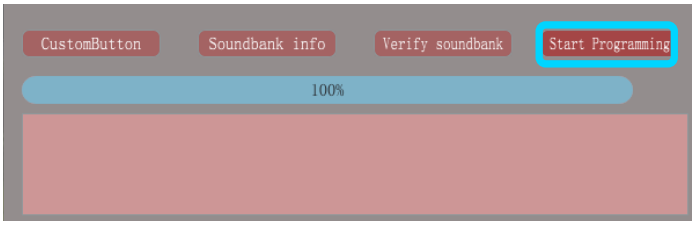
- Under the “Programming Target” menu, select “NF SBank4K”.



- Click “File...” and select the firmware (NES-1_Soundbank_240926_4K_AES.bin).



- Click “Start Programming” and wait until the status bar shows 100%. **DO NOT** unplug the USB cable or the power supply during the process.



5. Complete the firmware update

- After the update is complete, you can turn off the device by pressing the power button, or unplug and re-plug the power cable, then press the power button to turn it on again.
- Now the firmware has been updated successfully.