

This document describes the procedure for installing the Freefly MōVI Controller Firmware Update Tool and updating the firmware on the MōVI Controller.

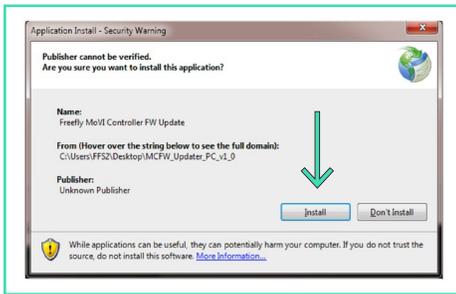
PREREQUISITES

1. Operating Systems: Windows 7, Windows 8, Mac OS X.
2. FTDI Virtual COM Port (VCP) Drivers. These may already be included in your operating system. If not, they are included in the Freefly MōVI Controller Firmware Update Tool package for each operating system. They are also available at: <http://www.ftdichip.com/Drivers/VCP.htm>. See Windows or Mac installation instructions for more details.
3. USB A-A cable (included with MōVI Controller). The bottom USB port of the MōVI Controller is the one used for firmware updates.



Bottom USB port of MōVI Controller.

INSTALLATION PROCEDURE FOR WINDOWS



STEP 01

The Windows version of the MōVI Controller Firmware Update Tool can be found in the **MCFW_Updater_PC_vX_X.zip** folder. Unzip the folder and run **setup.exe**. A security warning may appear. Click **Install**.



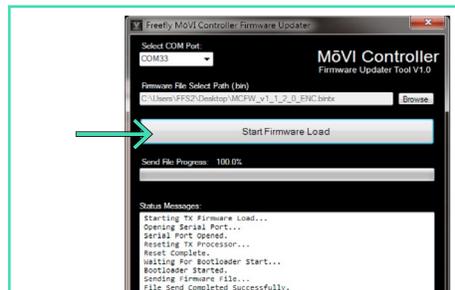
STEP 02

After a moment, the MōVI Controller Firmware Updater will start. Plug in the MōVI Controller USB cable as shown above. A new COM Port should appear in the drop down menu. Select this COM Port.



STEP 03

With the COM Port of the MōVI Controller selected, browse for the new firmware file using the **Browse** button. The name of the file is **MCFW_vX_X_ENC.bintx**.



STEP 04

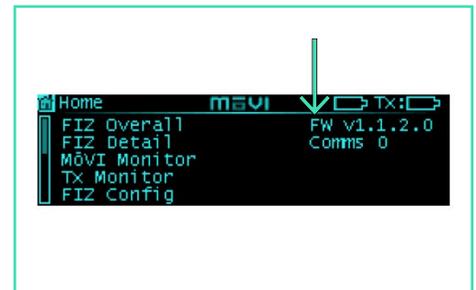
With the firmware file selected, click **Start Firmware Load**. After a few seconds, the new firmware file will be sent to the MōVI Controller. Wait for the progress to reach 100%.

◀ TROUBLESHOOTING:

If the MōVI Controller was already plugged in, the COM Port should already be present. If you're not sure which COM Port is associated with the MōVI Controller, unplug it and see which one disappears. It will usually be the port at the bottom of the list.

If no COM Port appears or if Windows asks for Device Drivers when the MōVI Controller is plugged in, install the FTDI VCP driver included in the software package:

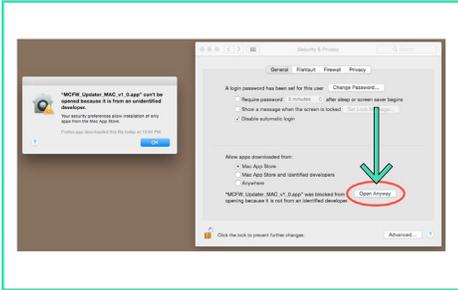
- A. Unplug the MōVI Controller and close the Firmware Update Tool.
- B. Run **CDM v2.12.00 WHQL Certified.exe** from the software folder.
- C. Follow the FTDI Driver installation program instructions.
- D. Restart the Firmware Update process at Step 1 above.



STEP 05

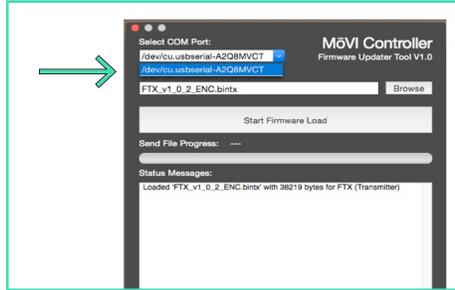
Confirm that the new firmware has been loaded onto the MōVI Controller. The version number will be presented in the top right corner of the display.

INSTALLATION PROCEDURE FOR MAC



STEP 01

The Mac version of the MöVI Controller Firmware Update Tool can be found in the **MCFW_Updater_Mac_vX_X.zip** folder. Double click to extract the .zip file and then double click the resulting .app. If a security warning appears, open the **Security and Privacy** section of **System Preferences**, and click **Open Anyway**.



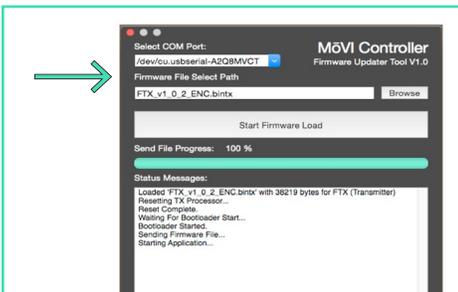
STEP 02

After a moment, the MöVI Controller Firmware Updater will start. Plug in the MöVI Controller USB cable as shown above. A new COM Port should appear in the drop down menu. Select this COM Port.

* If the MöVI Controller was already plugged in, the COM Port should already be present. If you're not sure which COM Port is associated with the MöVI Controller, unplug it and see which one disappears.

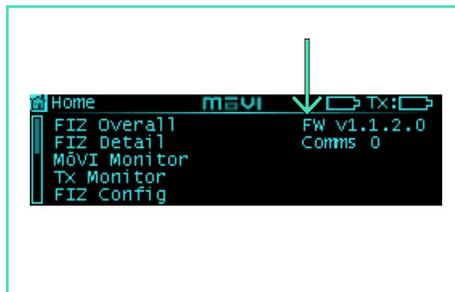
STEP 03

With the COM Port of the MöVI Controller selected, browse for the new firmware file using the **Browse** button. The name of the file is **MCFW_vX_X_ENC.bintx**.



STEP 04

With the firmware file selected, click **Start Firmware Load**. After a few seconds, the new firmware file will be sent to the MöVI Controller. Wait for the progress to reach 100%.



STEP 05

Confirm that the new firmware has been loaded onto the MöVI Controller. The version number will be presented in the top right corner of the display.

TROUBLESHOOTING:

If the firmware fails to load:

- A. Ensure FTDI VCP USB driver 2.2.18 or later is installed (be sure to reboot mac after driver installation).
- B. Disconnect all cables (including power and USB) from Controller. Reconnect USB to reboot Controller and try again.