

MAC Viper Series™ Firmware v.2.0.0 Upload Instructions

This guide explains how to update your MAC Viper Series with firmware version 2.0.0.

Important

- A USB flash drive is required for this update.
- Once firmware v. 2.0.0 is installed, the fixture will no longer accept an upload of any earlier firmware version.
- Do not switch off the fixture or disconnect it from AC mains power during the upload. If the fixture becomes unresponsive, leave it with power applied for approximately 15 min before powering off and on and then trying the upload again. If the fixture refuses to accept the new firmware, contact your nearest Martin Service Partner.
- We recommend that you do not update fixtures while they are part of a running show or tour setup. Some effects will behave differently after the update, and this may result in unexpected changes in programmed presets and cues. Update fixtures when they are between shows or when you have time to do a test run and reprogram presets and cues if necessary.
- Please make that you have read and understand this document before updating to version 2.0.0!
- When upgrading from a revision older than 2.0.0, (e.g. 1.5.0) revision 2.0.U should be used.

Changes since MAC Viper Profile firmware ver. 1.5.0

- Colour wheel speeds and acceleration aligned with other MAC Viper variants.
- Dimming curves aligned with MAC Viper Performance
- Gobo x-fading enabled. (slower gobo scroll speed)
- Speed control for animation wheel Organic effect improved.
- Extended RDM enabled.
- Improved firmware memory stability.
- Fixed data buffer overflow that could cause fixture to freeze.
- Effects rotation made smoother.
- More robust DMX hot-plugging.
- Control of fans improved resulting in lower noise.
- Random Strobe start-up randomized across fixtures.
- Auto blackout deployment synchronized across fixtures.
- Gobo wheel 2 rotation now resumes after auto blackout.
- Eliminated possible disabling of control panel when showing error/warning messages.
- Temperature warning and cut-off levels adjusted.
- Lamp On command in Shortcuts menu now activated by first button press.
- Dimmer blackout implemented during lamp strikes.
- Smoother pan/tilt movement at start-up and reset.
- Improved movement during fast pan/tilt snaps.
- “Calibration Store PT” command on DMX control/settings channel implemented.
- RDM UID readout in control panel display now upper case only.
- Start-up time slightly increased.

All MAC Viper Series firmwares include the same bugfixes and improvements.

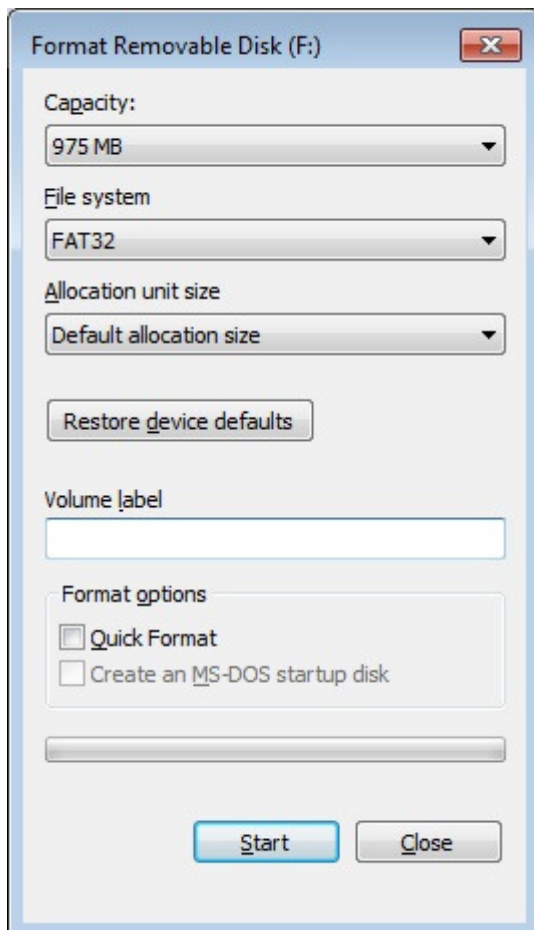
Preparing your USB drive

When uploading firmware using a USB flash drive, we recommend you use a maximum size of 1 GB. You can probably expect even better results with a 256 MB flash drive.

We recommend that you have firmware bank files only on the USB drive that you use for uploading.

To prepare your USB drive for the firmware upload:

1. Format the USB drive using the settings shown below:



2. Obtain the MAC Viper 2.0.0 firmware bank file from the MAC Viper Product Support page at www.martin.com and copy it into the root directory of your USB drive.

Updating the firmware

3. Turn on your MAC Viper Series and wait until it has finished resetting:



4. Now insert your USB drive and let the fixture communicate:



5. The fixture display will show the available firmware on the USB drive:



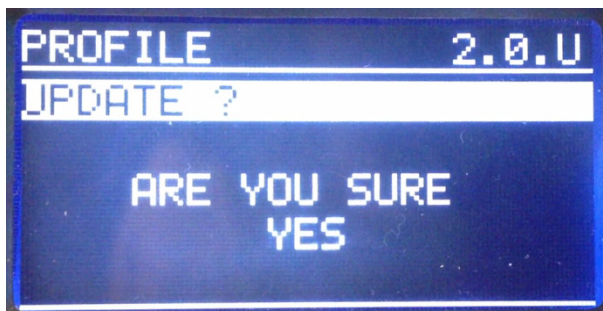
6. Select version 2.0.U and press ENTER:



7. Select UPDATE and press ENTER



8. Select YES and press ENTER:



The process of uploading the firmware from the USB drive to the fixture will start. This will take about one minute.

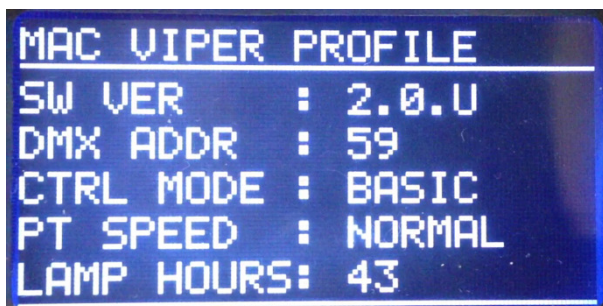


The fixture will then start to install the new firmware. This will also take about one minute.

9. At this point you can remove the USB drive:



10. When the fixture has finished installing the firmware, it will reboot. Again, this will take about one minute.



11. The fixture will then load more software. This will take about two minutes:



12. The fixture will reset again:



13. The fixture will then load more software:



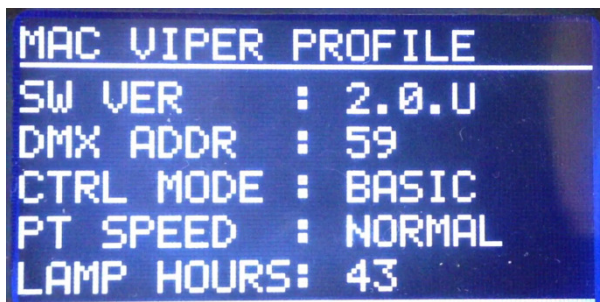
At 58%, it will jump to this screen for a few seconds:



Then it will return to the upload screen to finalize the update:



14. The fixture will reset one last time:



15. When the fixture has finished resetting, it will display its DMX address:



16. Check that the fixture is now running the correct firmware version by turning the jog wheel. You should see SW VER : 2.0.0 in the display:



The firmware update process is now complete.

Click below link to download the firmware

MAC Viper Profile: <http://www.martin.com/service/software/upload/MVIPR20U.zip>

MAC Viper Performance: <http://www.martin.com/service/software/upload/MVIPE20U.zip>

MAC Viper Wash/DX: <http://www.martin.com/service/software/upload/MVIWA20U.zip>

MAC Viper AirFX: <http://www.martin.com/service/software/upload/MVIAI20U.zip>

