UPLOAD INSTRUCTIONS
MAC Viper Series

Firmware package update, ver. 2.3.0B and 2.4.0B, 06-23-2017

Martin® by HARMAN

General information

This guide contains information about how to update the MAC Viper Series with firmware package, version 2.3.0B and 2.4.0B. The update includes a new bootloader as well.

MAC Viper Profile, Wash and AirFX must be updated with firmware version 2.3.0B.

MAC Viper Performance must be updated with firmware version 2.4.0B.

The firmware update will take approximately 8-10 minutes, depending on the product type.

After installation the fixture will display either 2.3.0 or 2.4.0, depending on the product type.

Important information

- A USB drive is required when updating the product.
- Once firmware version 2.3.0B or 2.4.0B is installed, you can no longer upload firmware versions below version 2.3.0 or 2.4.0.
- Do not switch off the fixture or disconnect it from AC mains power during the upload.
  If the fixture becomes unresponsibe, leave it with the power on for 15 minutes before you power cycle it and try to upload the firmware again.
  If you cannot upload the firmware, contact your Martin™ by Harman service partner.
- Depending on whether your mainboard is of the old or new type, the firmware update progress is shown differently in the display.
  Old mainboards: With “LOADING” and a progress bar. See page 3.
  New mainboards: The status screen is “frozen” and it is replaced with the occasional reset during the update. After the firmware update, the status screen turns to normal operation. See page 10.
- For more information about the new mainboards, see the tech note “MAC Viper Series - New mainboard - Tech note” on www.martin.com/support.

Updating the firmware

With old mainboard

1. Turn on the fixture and wait until it has finished resetting.

Figure 1: Turning on the product

2. Insert the USB drive.

Figure 2: Inserting USB drive

3. The display shows the available software.

Figure 3: The available software

4. Select the firmware.
5. Press ENTER.

Figure 4: Selecting the firmware

6. Select YES.
7. Press ENTER.

Figure 5: Selecting YES

8. The uploading process starts.

Figure 6: The uploading process starts

9. The fixture starts to install the new firmware.
10. Remove the USB drive.

Figure 7: Firmware installation

11. When the firmware installation is finished, the fixture will reboot.

Figure 8: Fixture rebooting

Figure 9: Fixture rebooting

Figure 10: Fixture rebooting

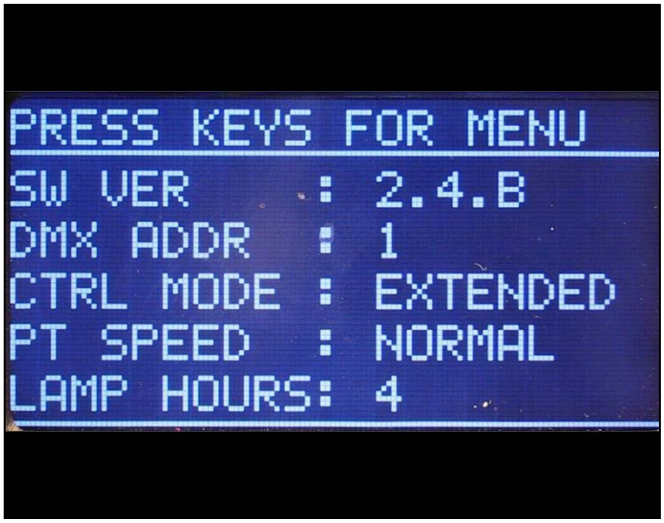

Figure 11: Fixture rebooting

12. The fixture loads the firmware from the CPU board to the mainboard.

Figure 12: Loading firmware to mainboard

13. The fixture resets again.

Figure 13: Resetting again

Figure 14: The fixture is resetting again

14. The fixture installs more firmware.

Figure 15: Installing more firmware

15. The fixture resets again.

Figure 16: Resetting again

Figure 17: Resetting again

Figure 18: Installing more firmware

16. The fixture loads the firmware from the CPU board to the mainboard.

Figure 19: Loading firmware to mainboard

17. The fixture resets again.

Figure 20: Resetting again

18. After resetting, the fixture displays the DMX address.

Figure 21: Displaying DMX address

19. Turn the jog wheel to check if the fixture is running the correct firmware.
    MAC Viper Profile, Wash or AirFX: The firmware version should be 2.3.0.
    MAC Viper Performance: The firmware version should be 2.4.0.
20. The firmware update is complete.
21. To make sure that the fixture resets as it should and that the firmware version is correct, power cycle the fixture once more.

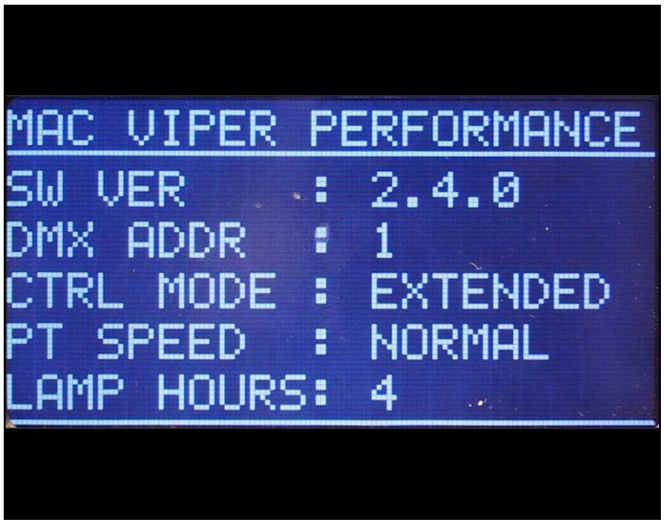

Figure 22: Checking software version

With new mainboard

1. Turn on the fixture and wait until it has finished resetting.

Figure 23: Resetting again

2. Insert the USB drive.

Figure 24: Inserting USB drive

3. The display shows the available firmware.

Figure 25: Available firmware

4. Select the firmware.
5. Press ENTER.

Figure 26: Selecting firmware

6. Select UPDATE.
7. Press ENTER.

Figure 27: Updating the firmware

8. Select YES.
9. Press ENTER.

Figure 28: Selecting YES

10. The uploading process starts.

Figure 29: The uploading process starts

11. The fixture starts to install the new firmware.
12. Remove the USB drive.

Figure 30: Updating the firmware

13. When the firmware installation is finished, the fixture will reboot.

Figure 31: The fixture is rebooting

Figure 32: The fixture is rebooting

Figure 33: The fixture is rebooting

14. The fixture loads the firmware from the CPU board to the mainboard.
    This will take approximately 30 seconds.

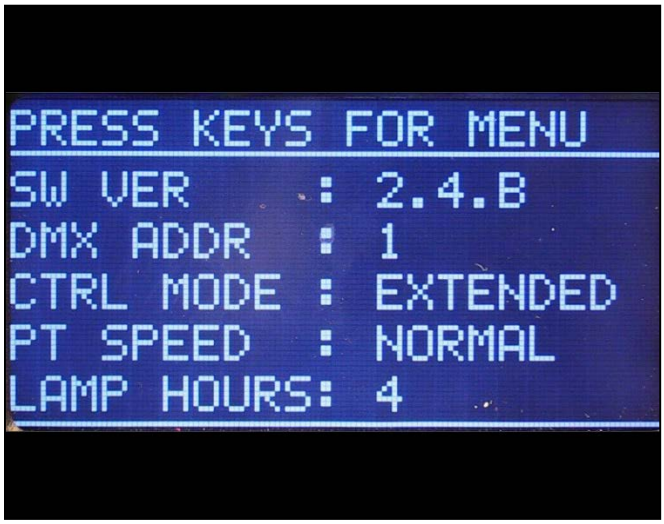

Figure 34: Loading firmware to the mainboard

15. The fixture resets again.
16. Step 14 to 15 will be repeated four times.

Figure 35: The fixture is resetting

Figure 36: The fixture is resetting

17. The fixture loads the firmware from the CPU board to the mainboard.
This will take approximately 10 seconds.

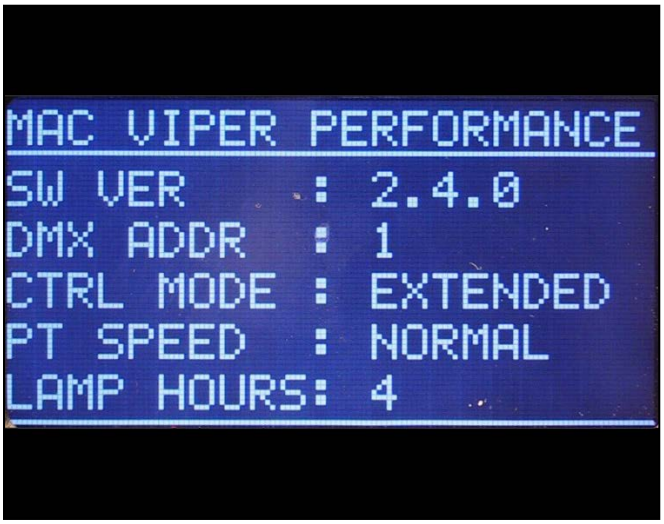

Figure 39: Loading firmware to the mainboard

18. The fixture resets again.

Figure 37: Resetting the fixture again

19. After resetting, the fixture displays the DMX address.

Figure 38: Displaying DMX address

20. Turn the jog wheel to check if the fixture is running the correct firmware.
    MAC Viper Profile, Wash or AirFX: The firmware version should be 2.3.0.
    MAC Viper Performance: The firmware version should be 2.4.0.
21. The firmware update is complete.
22. To make sure that the fixture resets as it should and that the firmware version is correct, power cycle the fixture once more.

Figure 40: The update process is complete

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