



Firmware Update Instructions for Certain Pioneer Marine Audio Receivers (MVH-MS310BT, MVH-MS512BS)

This firmware update (version 8.07) applies only to the following models of Pioneer products sold in the United States and Canada.

MVH-MS310BT
MVH-MS512BS

IMPORTANT

Please download and print these firmware update instructions before downloading and installing the firmware update. It is important that you complete all steps correctly and in the order described below.

Note: If you have any questions, please contact Pioneer Customer Service toll free at 1-800-421-1404, Monday through Friday, 7:30 AM - 11:30 AM and 12:30 PM - 4:00 PM (Pacific Time), excluding holidays, or by email through <https://parts.pioneerelectronics.com/contact>.

In order to perform this update, the following items are needed:

- Pioneer receiver listed above
- A USB storage device meeting the following requirements:
 - 2 GB or larger in capacity, formatted to FAT32
 - Blank (should not contain any files)

CAUTION

- **DO NOT** turn your unit off or eject the USB storage device while the firmware is being updated.
- Install this update only when continuous power to the unit can be maintained.
- Any interruption to the firmware update process could cause irreversible damage to the unit.

Checking the firmware version

Check whether the firmware of your unit needs to be updated by checking the version number of the firmware.

Procedure:

1. Power on the unit.
2. If AV Source is on, press and hold SRC/OFF to set the unit Source OFF.



3. Press and hold SRC/OFF to display the "Initial" menu, then press the M.C. (multi-control) dial to confirm.



4. Turn M.C. dial to select "SYSTEM UPDATE," then press to confirm.



5. Select "SYSTEM INFO," then press to confirm.



6. After the "SYSTEM INFO" screen appears, check the firmware version.

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7. Verify that the firmware on your unit is not already 8.07.

Downloading the firmware update files from Pioneer's website

1. Download the firmware update files by clicking on the following link and finding your product:
pioneerelectronics.com/firmware
2. Locate the downloaded .zip file, extract the **19MARINE_A0807.scd** file and copy onto a USB drive.
The downloaded ZIP file will produce the following file when decompressed: (See the table below)

MVH-MS310BT	19MARINE_A0807.scd
MVH-MS512BS	

Updating the firmware on your unit

IMPORTANT

- DO NOT perform this firmware update if the model number of your Pioneer product is anything other than one of the above models.
- Ensure that the update file is located within the root (top) folder of your USB storage device. There should be no other files on the USB storage device.
- While your unit is being updated, DO NOT turn off the system's power and DO NOT touch the unit's touchscreen as this may result in severe damage to your unit.
- DO NOT remove the USB storage device during the firmware update process.
- Performing the firmware update will restore all settings to their default values.
- Disconnect any external mobile devices connected to your unit before starting the update process.

Procedure:

1. Connect a blank (formatted) USB storage device to your computer, then locate and copy the **"19MARINE_A0807.scd"** file onto the USB storage device.
2. Power on the unit.
3. Connect the USB storage device to the USB input on your unit.
4. If AV Source is on, press and hold SRC/OFF to set the unit Source OFF.



5. Press and hold SRC/OFF dial to display the Initial menu, then press to confirm



6. Turn the M.C. dial to select "SYSTEM UPDATE," then press to confirm.



7. Turn the M.C. dial to select "SW UPDATE", then press to confirm.



8. The "CHECK FILE" screen should appear.

-> If it shows "ERROR" or "FILE ERR->CHK USB" on the display, try the following:

Confirm that the software is correct, then restart the update process or change to a new USB storage device.



9. After starting, there will be a progress status while updating.
-> If it shows "ERROR" on the display, try the following
"ERR->RETRY" Disconnect, then reconnect the USB storage device and press the M.C. dial to retry the update.



10. Wait until the update is complete, which will take about 5 minutes.
-> You will see the following screen if the update has completed successfully.



11. The product will reboot after the update is finished. Do not touch anything even when the screen is blacked out. After it has finished rebooting, the screen will return to the menu screen.



12. The firmware update is now complete. Your Pioneer receiver is now ready for use.

Verify that the firmware software has been updated

Perform the same procedure for "Displaying the firmware version" to check that the firmware has been updated.

Procedure:

1. Power on the unit.

2. If AV Source is on, press and hold SRC/OFF.



3. Press and hold SRC/OFF to display the "Initial" menu, then press to confirm.



4. Turn the M.C. dial to select "SYSTEM UPDATE," then press to confirm.



5. Select "SYSTEM INFO," then press to confirm.



6. After the "SYSTEM INFO" screen appears, check the firmware version.



7. Verify that the firmware on your unit is 8.07.

If you have any questions, please contact Pioneer Customer Service toll free at 1-800-421-1404, Monday through Friday, 7:30 AM - 11:30 AM and 12:30 PM - 4:00 PM (Pacific Time), excluding holidays, or online through <https://parts.pioneerelectronics.com/contact>.

