

Firmware refers to the internal software that operates a VR100 receiver. It is not to be confused with VR100HS, the PC software used to communicate with the receiver. Firmware updates are rare and will occur to either deal with a hardware change or occasionally for a significant addition to functionality.



## Pre-Update Checklist

- Install the **LATEST version of VR100HS (software)**, which is available at [www.vemco.com/downloads](http://www.vemco.com/downloads), on all PCs, laptops and field laptops prior to updating the VR100 receiver firmware.
- Download the latest **VR100 firmware** available at [www.vemco.com/downloads/](http://www.vemco.com/downloads/).
- Verify that your VR100 was purchased after March 2006. If it was purchased before March 2006 and has not been upgraded at the factory, then you will not be able to update the firmware yourself.
- Offload all data from your VR100 before installing the new firmware.
- Ensure that your VR100 receiver is powered using the supplied AC Adaptor during the firmware update process.

## Updating VR100 Firmware

### STEP 1

Connect your VR100 to an available USB port on your PC using the supplied USB communications cable.

Run the VR100HS software and turn the VR100 receiver on. The receiver name will appear in the Receiver Management window once it has been detected by the software.

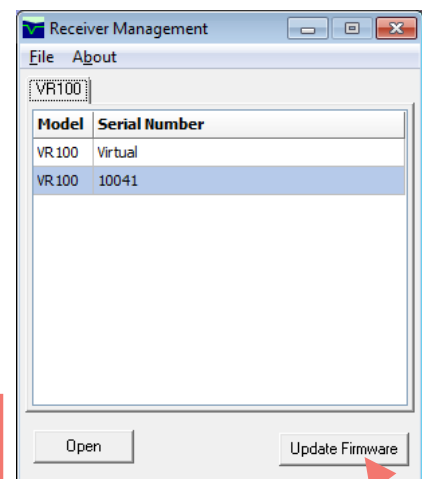
Select the receiver's serial number from the list in the Receiver Management window and click the "Update Firmware" button in the bottom right corner of the window.

**IMPORTANT:** Leave the USB communications cable connected to your receiver during the firmware installation.

Do not disturb your PC or VR100 receiver during the firmware installation.

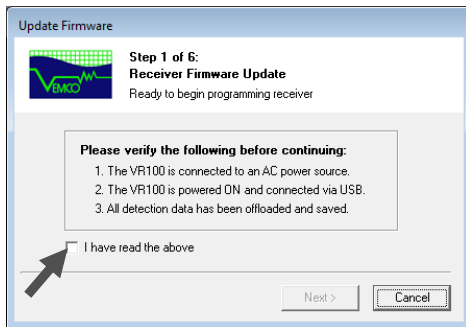
Do not power the receiver off during firmware installation.

Only connect to one (1) receiver at a time for firmware updates.



## STEP 2

Verify that the VR100 is ready for a firmware update. The wizard will not allow you to proceed until you check the box confirming that you have read the instructions.

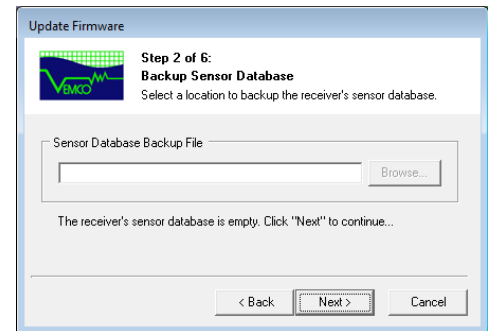


## STEP 3

Back up the Sensor Database. If you would like to change the file's location, click the "Browse" button and select a new location and/or filename. The sensor tag database in the VR100 receiver may be erased during the firmware update.

If no sensor information has been entered into the VR100, the sensor database is reported as empty.

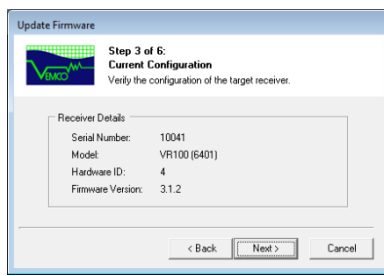
Click "Next" to continue.



## STEP 4

Confirm the current configuration of the firmware and hardware versions of the VR100 receiver are displayed.

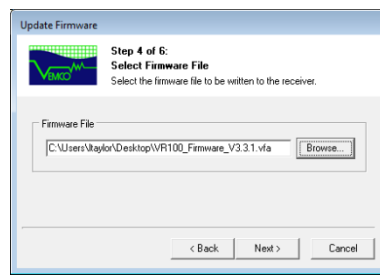
Click "Next" to continue.



## STEP 5

Click the Browse button to choose the new Firmware Image file (.vfa). Only files with the correct extension will be shown.

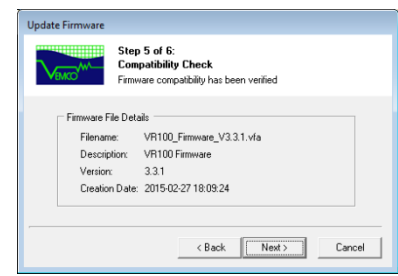
Click "Next" to continue.



## STEP 6

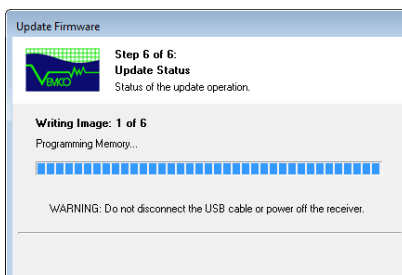
Wait for the Compatibility Check to pass. The VR100 software tests the new firmware file before it is sent to the VR100 receiver.

Click "Next" to continue.



## STEP 7

Do not turn off receiver, disconnect USB cable or close VR100 Software during the update process. You will be notified when the firmware update has been completed successfully.



## STEP 8

Check the firmware version by opening the receiver in the Receiver Management window, and selecting *Help/About VR100...* from the menu.

If you are using non-standard coded tag maps or continuous tags, please verify channel configuration settings on the receiver after firmware update.

