

DRS4W Update Procedure

You will need two devices and your DRS4W password to update the software in the DRS4W. If you do not have your DRS4W password, you need to obtain that first before you start the update. Do not begin the update without having your password. You need to enter the password into the computer to enable a Wi-Fi connection to the DRS4W. This is the same password that came with the installation materials that you entered into your iOS device to connect to the DRS4W. If you have lost your password, you can call Furuno tech support with your serial number and we can provide your password.



Example of password provided with installation materials.

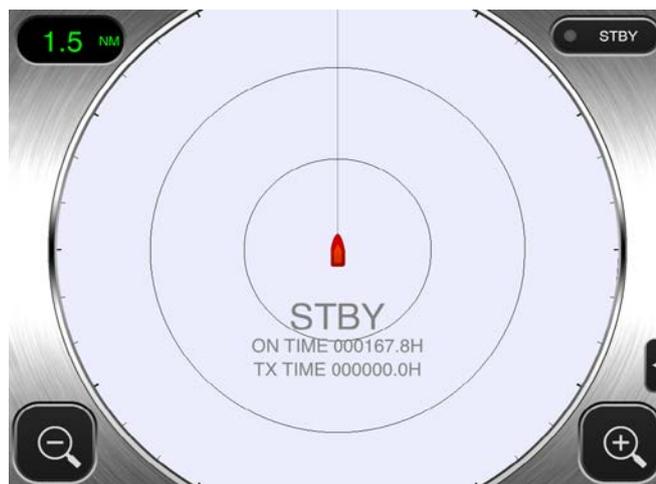
1. A wireless enabled computer running Windows XP or Windows 7. The computer performs the actual software update.
2. An iPad or iPhone (iOS 6 minimum) with the Marine Radar App (available free from the Apple App Store). The iOS device does not update the software, but is used to operate the DRS4W and also verify the software version.



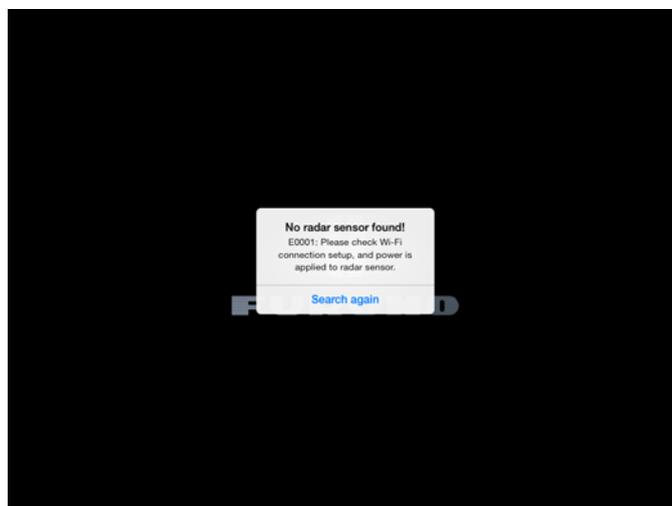
3. Before attempting the software update with the PC, establish communication between the iOS device and the DRS4W as follows.
4. Supply 12-24 volt DC power to the DRS4W and wait approx. 30 seconds for the unit to start up.
5. On the iOS device open the DRS4W marine radar app.



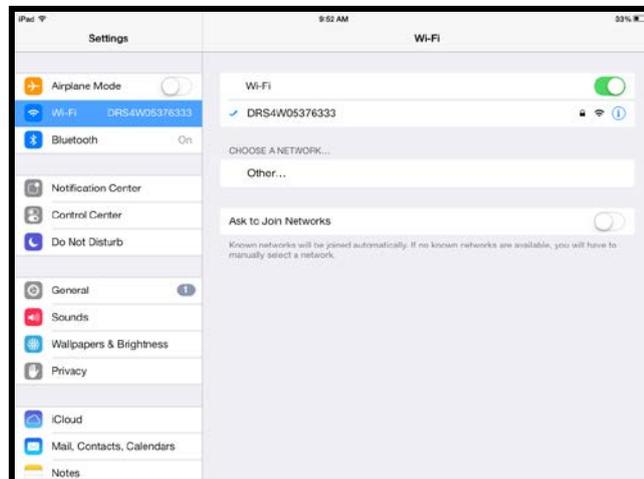
6. You should see the following screen.



7. If you see the screen below, you do not have a connection to the DRS4W radar.



8. Check power to the radar and your Wi-Fi settings. On the iOS device open the Settings menu and tap "Wi-Fi". Look for the DRS4W SSID to appear under "Choose a Network", select it and enter the password of the DRS4W that you want to update. Once you verify that the iOS device is networked with the DRS4W, close the Settings menu and launch the Marine Radar application.



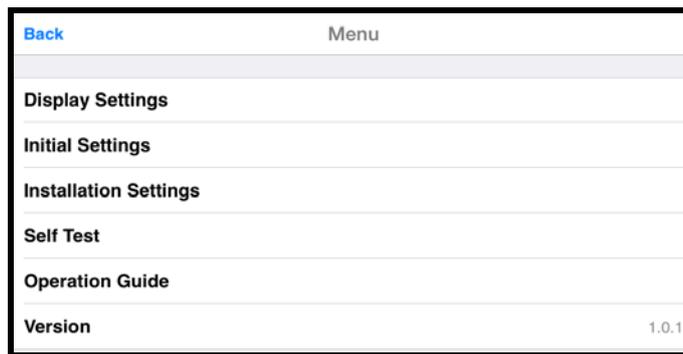
9. Tap the Menu tab on the Marine Radar app to open the menu.



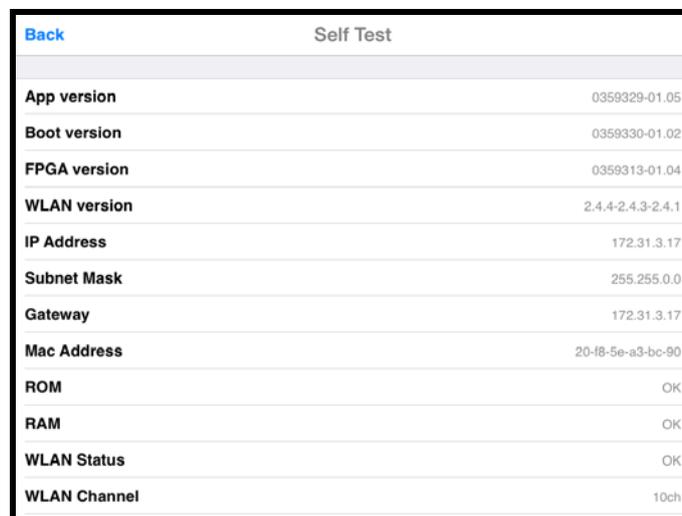
10. Tap on the settings menu (wrench icon)



11. You will see the following screen.



12. Tap the “Self-Test” menu. You will see the following screen. Take note of the current App, Boot and FPGA software versions, then tap “Back” twice to return to the radar display.



13. Tap the STBY/TX key to begin transmitting. Let the DRS4W transmit a few revolutions to verify operation, check for radar targets, then press the STBY/TX again to go back to Standby, and then close the app.

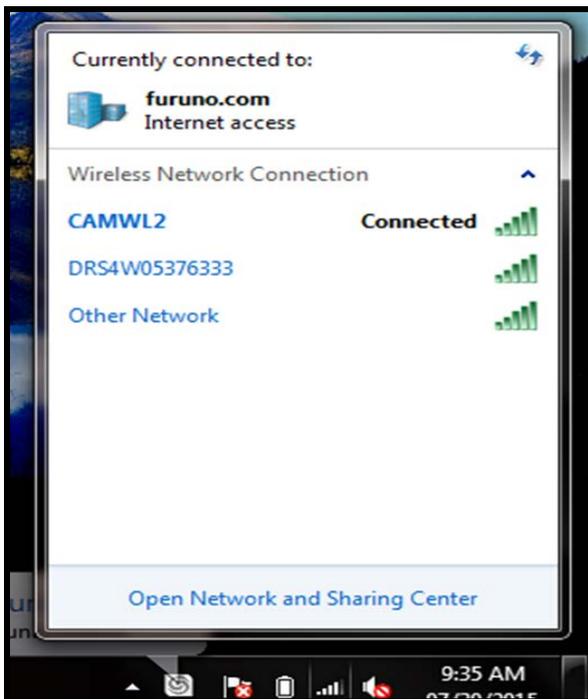
Note: To wirelessly network the PC that will be used for the software update to the DRS4W, you must first break the Wi-Fi connection between the iOS device and the DRS4W. If you do not do this first, you will not be able to establish a connection between the PC and the DRS4W, and the update will not run. To break the connection, either turn off the iOS Wi-Fi or turn off the iOS device.

Scroll down for software update procedures

Updating the DRS4W Software

You should already have the software downloaded onto your PC with built in Wi-Fi, or have a working wireless card or adapter installed. If you do not have the software, you can download it from Furuno USA website, [DRS4W](#), under the software tab of the DRS4W. Place the software on your desktop and unzip the file.

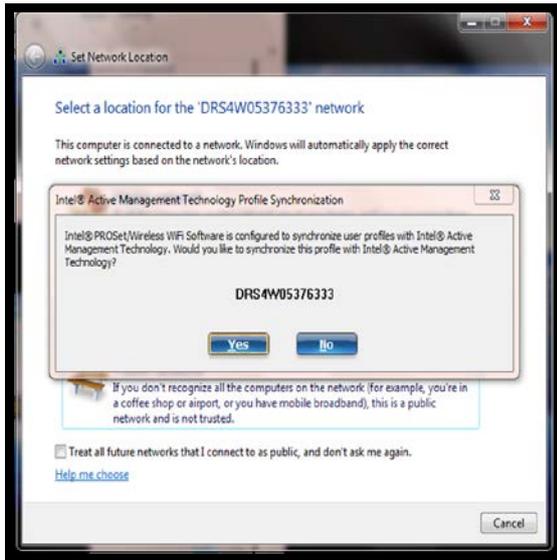
1. Connect the PC to the DRS4W as follows:
2. View the wireless networks available to the PC. Find the SSID of the DRS4W and connect to that network using the same password that you installed on the iOS device.



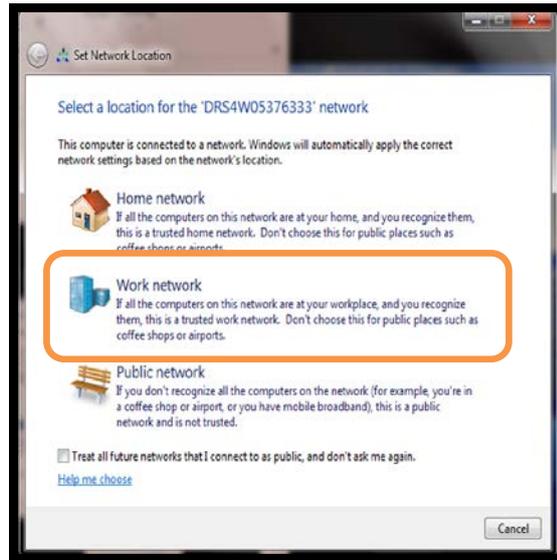
3. Enter DRS4W password here



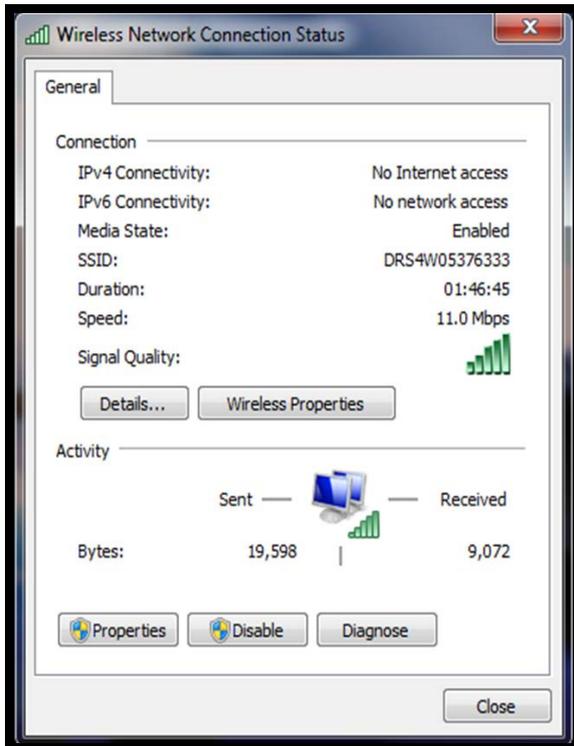
4. You may see the following screen



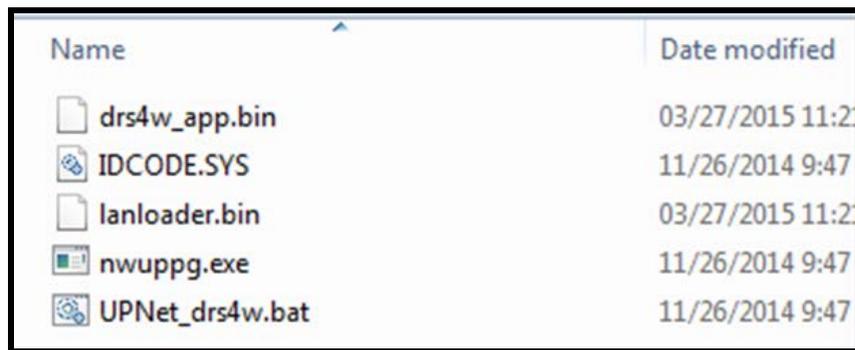
Select "Work network", If you see this screen



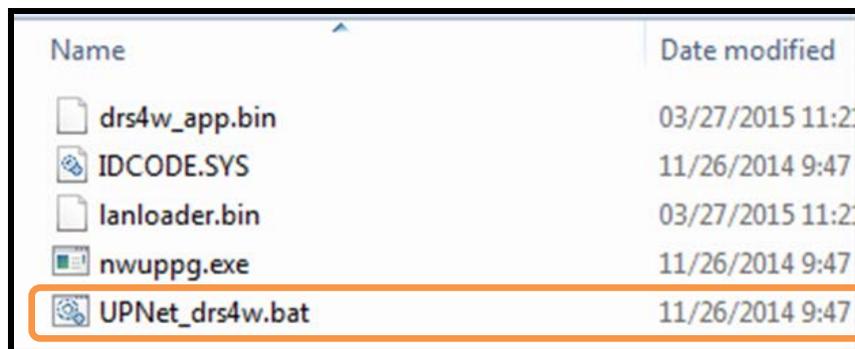
5. Make sure you are connected between the computer and the DRS4W. Screens may differ depending on operating system.



6. Open the folder that contains the update software. You should see the following screen.

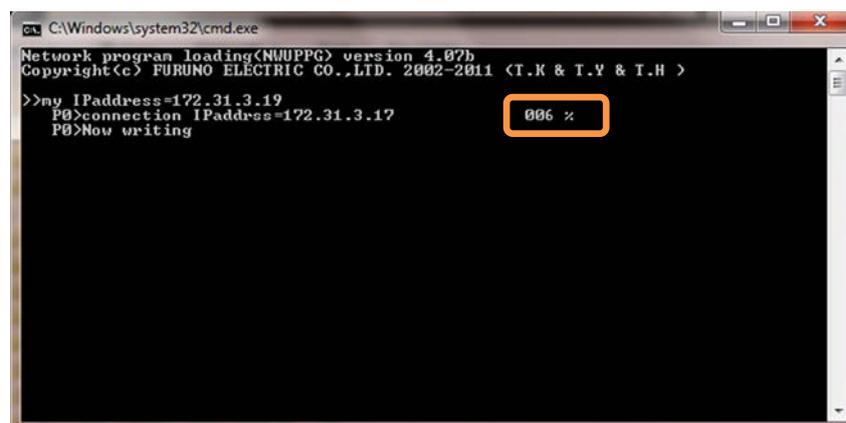


7. Double-click the file **UPNet_drs4w.bat** to start the update. It may take a few moments for the software to start.



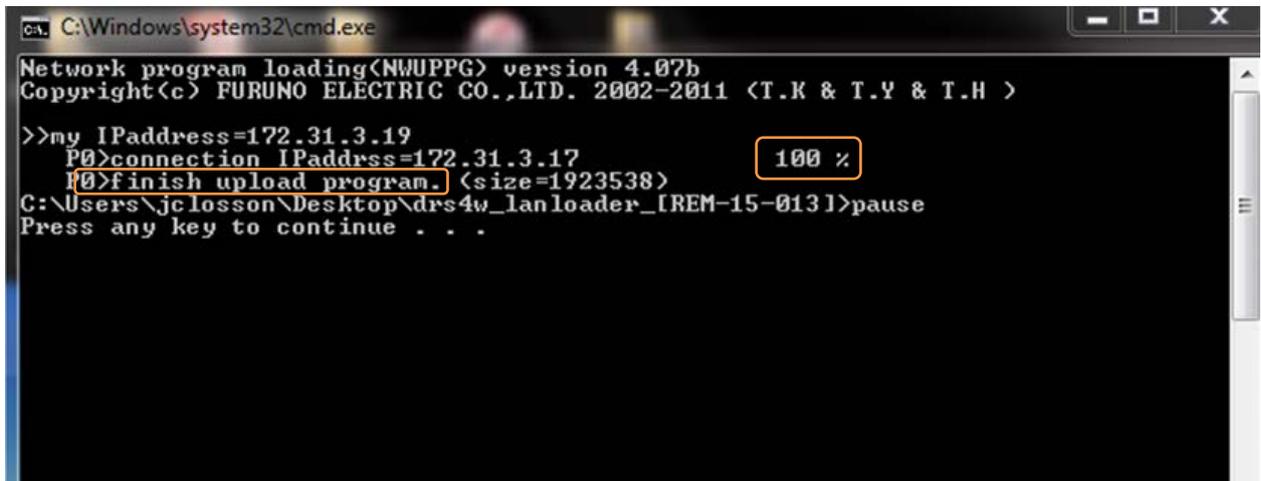
8. Note: If the program fails to start, close it and open the bat file again. If it still fails, double check your Wi-Fi connection. Also, make sure you unzipped the file after you downloaded it.

9. See that the following message appears on the command prompt window after the communication with DRS4W is established. Check to make sure that the progress percent indication is increasing.



10. Notes: If the screen is stuck on the message above (percent not updating), and it does not show the connection IP address, go back and check the wireless LAN settings, such as the password.
11. If the screen does not change and it does show the "Connection IP address", close the command prompt window and go back and execute the program again.

12. See that the following message appears on the command prompt window after the update is complete. When the program is finished, Indicated by “Finish upload program”, and 100%, press any key to continue.



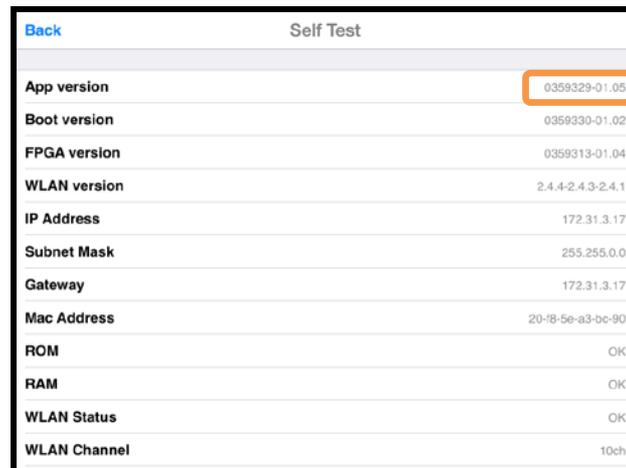
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C:\Windows\system32\cmd.exe
Network program loading(NWUPPG) version 4.07b
Copyright(c) FURUNO ELECTRIC CO.,LTD. 2002-2011 <T.K & T.Y & T.H >
>>my IPAddress=172.31.3.19
    P0>connection IPAddrss=172.31.3.17
    P0>finish upload program. (size=1923538)
C:\Users\jc lossen\Desktop\drs4w_lanloader_[REM-15-013]>pause
Press any key to continue . . .
```

13. The DRS4W will automatically reboot.
14. Close down the computer Wi-Fi connection to the DRS4W. You must do this or you will not be able to connect with your iOS device. In the example below, you would click on disconnect.



15. Launch the Marine Radar App on the iOS device and connect it to the DRS4W.

16. Access the Menu – Self Test and check that the program is up to date.



The screenshot shows a 'Self Test' menu with a 'Back' button in the top left. The menu lists various system parameters and their values. The 'App version' value '0359329-01.05' is highlighted with an orange box.

Self Test	
App version	0359329-01.05
Boot version	0359330-01.02
FPGA version	0359313-01.04
WLAN version	2.4.4-2.4.3-2.4.1
IP Address	172.31.3.17
Subnet Mask	255.255.0.0
Gateway	172.31.3.17
Mac Address	20-18-5e-a3-bc-90
RCM	OK
RAM	OK
WLAN Status	OK
WLAN Channel	10ch

17. Operate system to check for proper operation.

The update is finished