App. Note Code: 1D-AC

APPLICATION NOTE

CR300-Series-WiFi Daughter Board OS Update Procedure to Resolve the KRACK Vulnerability

12/17

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CR300-Series-WiFi Daughter Board OS Update Procedure to Resolve the KRACK Vulnerability

This procedure updates the CR300-series-WiFi daughter board OS to version 1.6.9.1 to resolve the KRACK vulnerability.

1. Download the executable, CR3XX_Wifi_OS_Update_1.6.9.1.exe, from our website at *www.campbellsci.com/downloads*.

2. Run the executable file.

3. Apply power to the CR300 series. (A USB connection supplies 5 V power, but is not sufficient to power the WiFi module which must be powered to complete this procedure.)

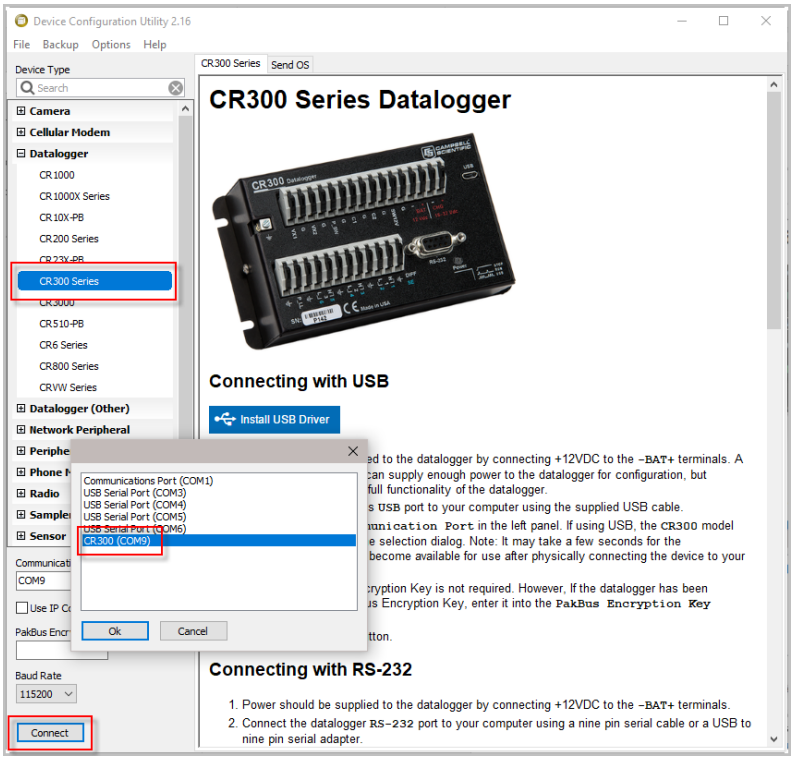
4. If not using WiFi, connect your communication cable to the CR300 series.

5. Open *Device Configuration Utility* (*DevConfig*).

6. Under **Device Type**, select **CR300 Series**.

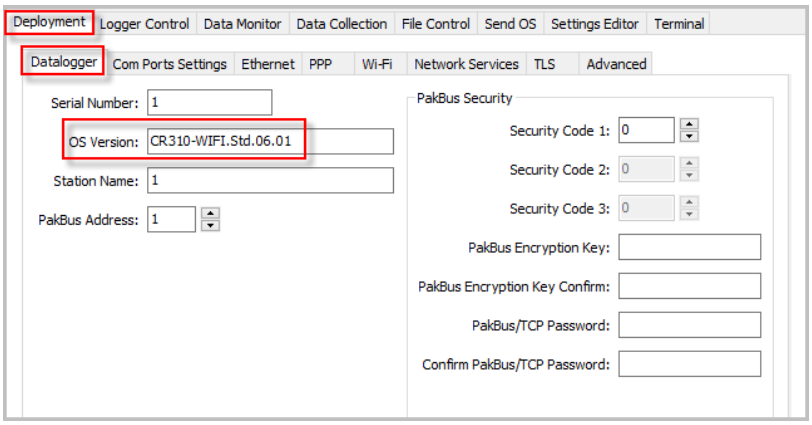
7. Select the correct **Communication Port**. (If using WiFi, select the **Use IP Connection** checkbox and browse to or enter the IP address.)

8. Click **Connect**.



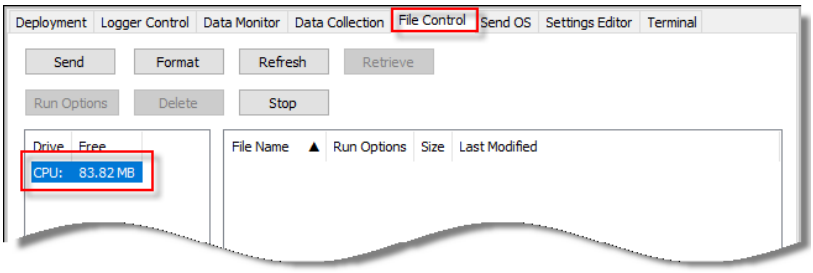
9. As a precaution, backup the CR300-series datalogger using the wizard accessed from the **Backup | Back Up Datalogger…** command (see *www.campbellsci.com/blog/update-datalogger-operating-system*).

10. Verify that you are running CR300 series version 06.01 or later operating system. You can see this information in the **Deployment | Datalogger** tab in *DevConfig*. If you are running an earlier operating system, update the operating system (see *www.campbellsci.com/blog/update-datalogger-operating-system*).



11. Click the *DevConfig* **File Control** tab.

12. Click the **CPU:** drive.



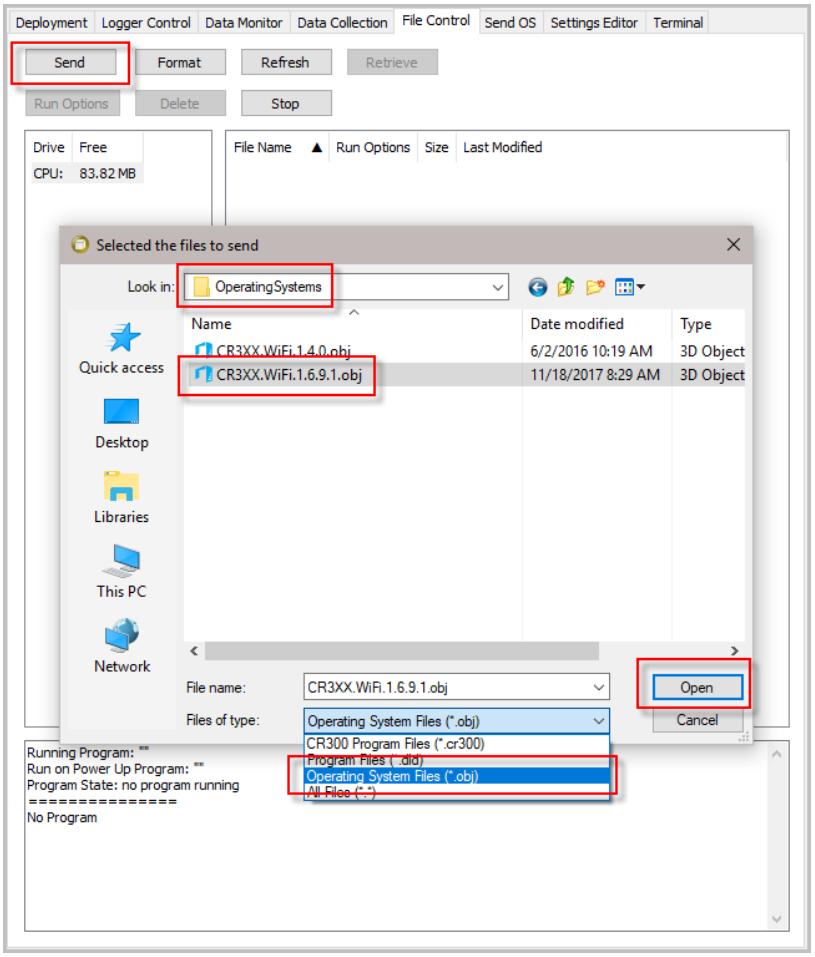
13. Click **Send**.

14. The **Select the files to send** dialog will appear. Navigate to the C:\Campbellsci\Lib\OperatingSystems directory.

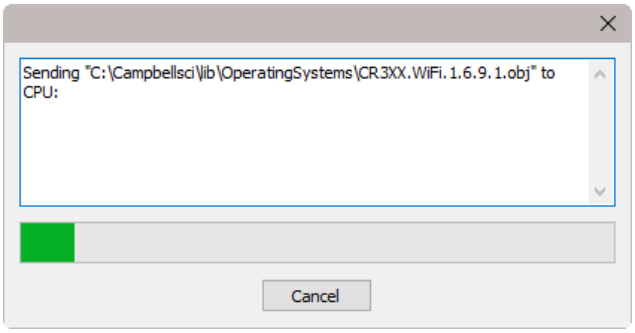
15. Set the **Files of type:** drop-down list to **Operating System Files (*.obj)**.

16. Select **CR3XX.WiFi.1.6.9.1.obj** from the file list.

17. Click **Open**.



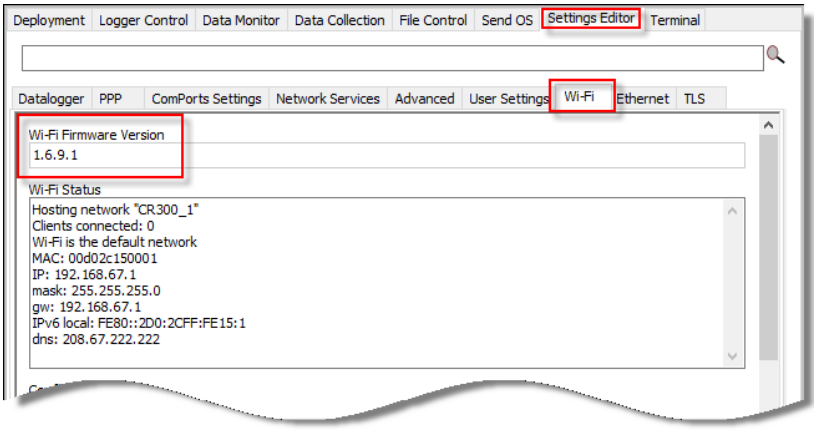
18. The new WiFi operating system is sent to the datalogger.



19. Once the progress bar reaches 50%, the **WiFi** LED on the datalogger will start flashing quickly for a period of time; then the datalogger will reboot. The update generally takes five to six minutes to complete.

20. Click **OK** once the progress bar reaches 100%.

21. Go to the *DevConfig* **Settings Editor | WiFi** tab and check that the **Wi-Fi Firmware Version** shows **1.6.9.1**. You may have to press the **F5** key to refresh the displayed information.



Your datalogger is now updated and running the latest WiFi daughter board operating system.

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