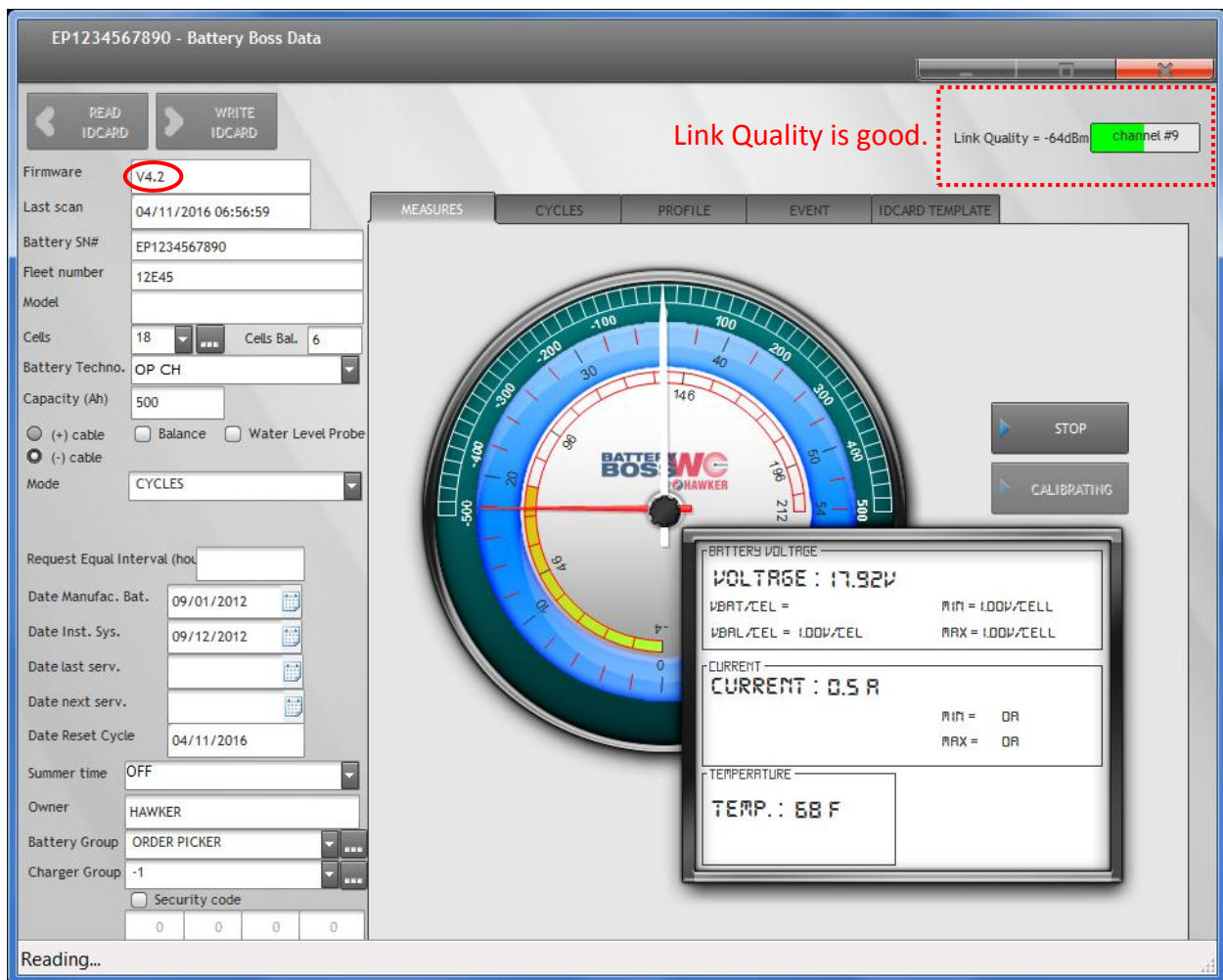


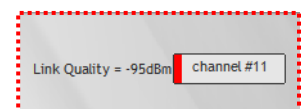
Update BBWC firmware

Plug BBWC USB key into PC and start BBWC Report PC program (Version 1.3.7 Beta 19 or higher). Make sure the BBWC to be upgraded is powered on (minimum 15 Vdc) and close (<18 inches) to the BBWC USB key. Check the firmware version for the BBWC to be upgraded. ONLY V4.0 and higher CAN BE UPGRADED.

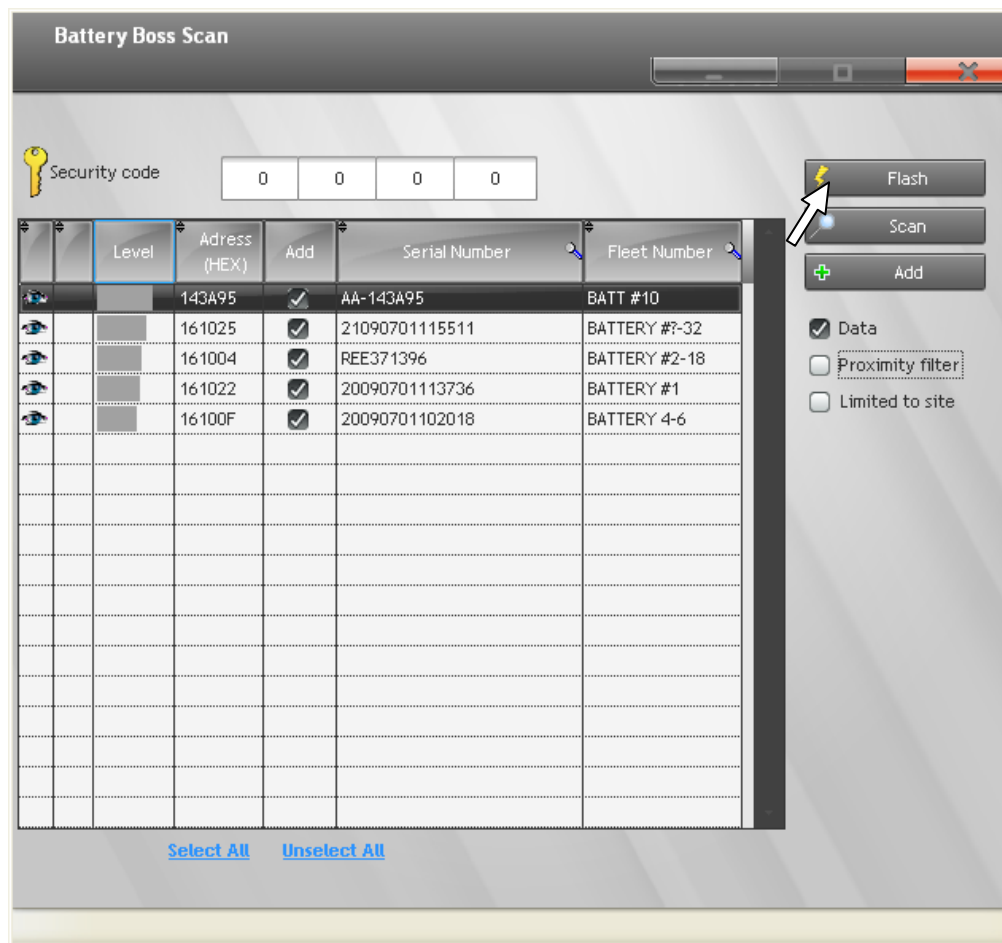
For the firmware update to work properly, the Link Quality has to be really good. To check Link Quality, open BBWC and go to Measures mode. Link Quality is in the upper right corner, all channels should be Green and values should be >-70dBm. Distance between BBWC and dongle, dongle antenna position, and obstacles (make sure tray lid is up) can all affect Link Quality. If battery is in a lift make sure battery cover is open or battery is extracted before attempting to update firmware.



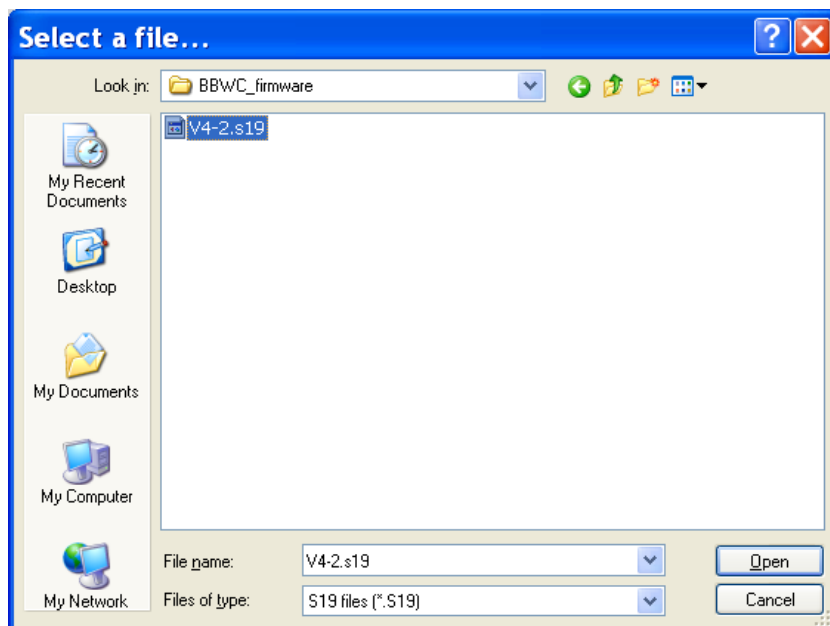
Link Quality is not good



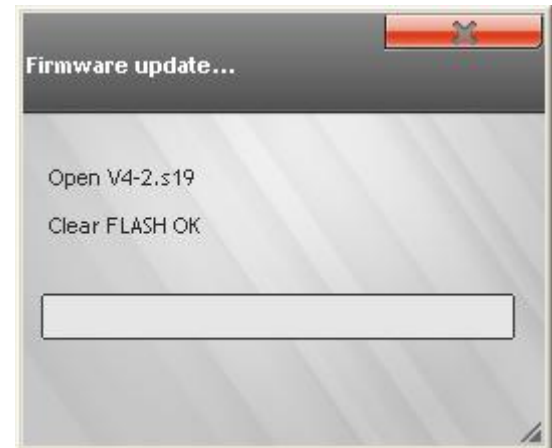
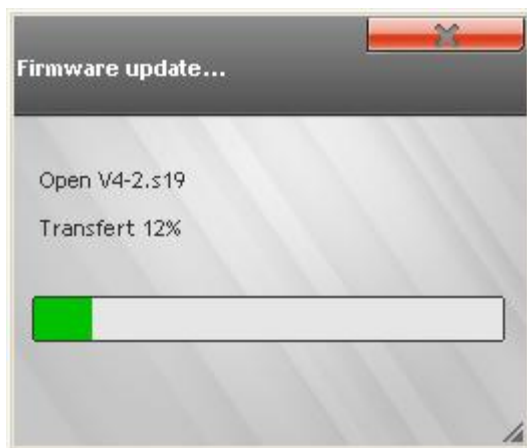
Start a BBWC scan. Highlight the BBWC to be upgraded from the list and click Flash.



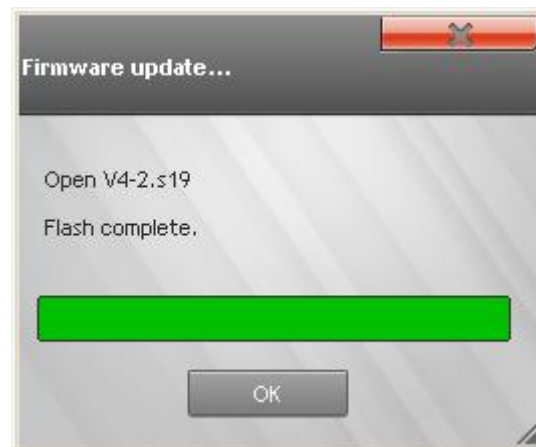
Select the firmware upgrade file with extension “.S19” provided from Hawker. Click Open.



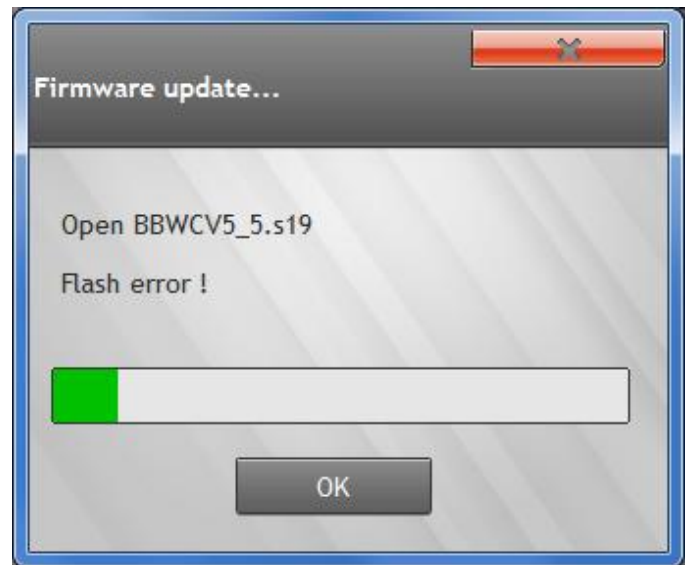
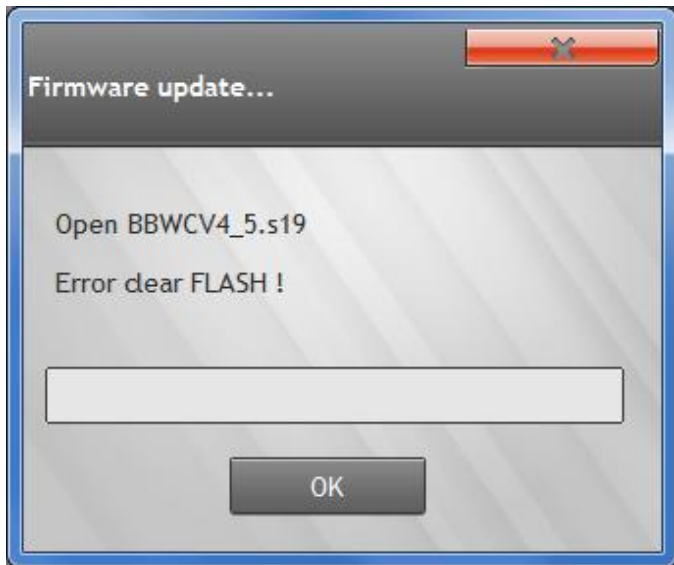
The program will start the firmware update process. This will take several seconds. Let the Firmware update program run to completion!



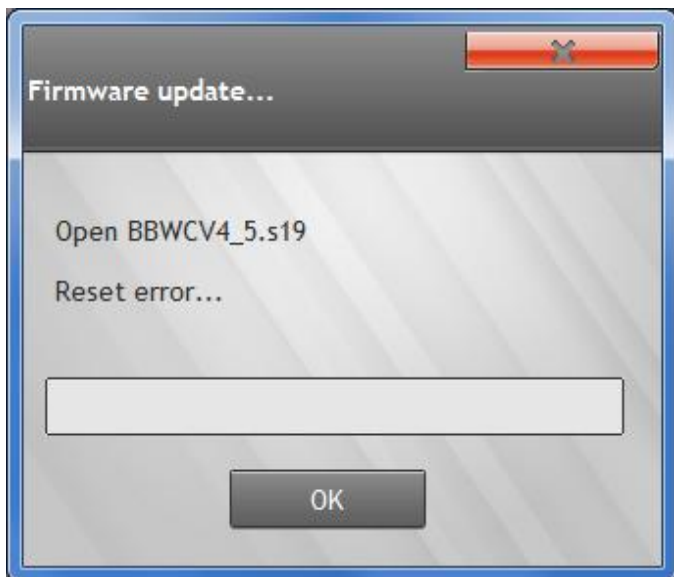
Once the Firmware update program shows "Flash complete.", click OK. Rescan the BBWC and check the firmware version, it should show the latest.



If during the process of updating firmware, you see either of these error messages click OK. The BBWC blue LED will be on with no green flashing LED. If BBWC is scanned again the firmware version will show "B1.0".



When BBWC is in this state, the radio is in a low power mode. If you try to Flash again this error message may appear:



Move dongle even closer than normal for flashing firmware (<6") and also try changing antenna position. Try to flash new firmware again. If flash still does not work move BBWC and dongle even closer and try changing antenna position. BBWC and dongle may have to be within a couple of inches to work.