USBCAN II Device Update

Updating the eVault firmware requires the same tool and drivers as the eFlex, but with different firmware and software. This process requires a Windows 10 computer. MAC users will need to run on a virtual machine.

TURN THE EVAULT BREAKER OFF WHILE UPDATING THE FIRMWARE.
The evault should not be subject to charges or loads when upgrading the firmware!

DISCONNECT ANY PARALLEL BATTERY COMMUNICATION CIRCUITS.

UPDATE THE FIRMWARE ONE EVAULT AT A TIME with a CANBUS terminator in the Rx plug.

PLUG IN THE RJ45 CONNECTORS BEFORE MAKING A CANBUS CONNECTION!

1. Visit https://www.fortresspower.com/resources/ and download
   a. eVault Firmware (zip file)
   b. eVault CAN Software
   c. eFlex + eVault USB Canbox Drivers

2. Attach the Canbus Tool to the PC
   a. Cut off the end of an ethernet cable and strip out wires 1+2.
   b. Attach ethernet wire 1 (white-orange B format) to the high pin on RJ45-to-serial adapter.
   c. Attach ethernet wire 2 (orange wire, B format) to the low pin on the RJ45-to-serial adapter.

3. Plug the USBCANII tool into the PC using the CAN1 port on the USBCANII tool.

4. Install the device drivers
   a. Use the windows key to open the "Device Manager". The device may show up as an ECO-Device or as a USB device with title USBCANII
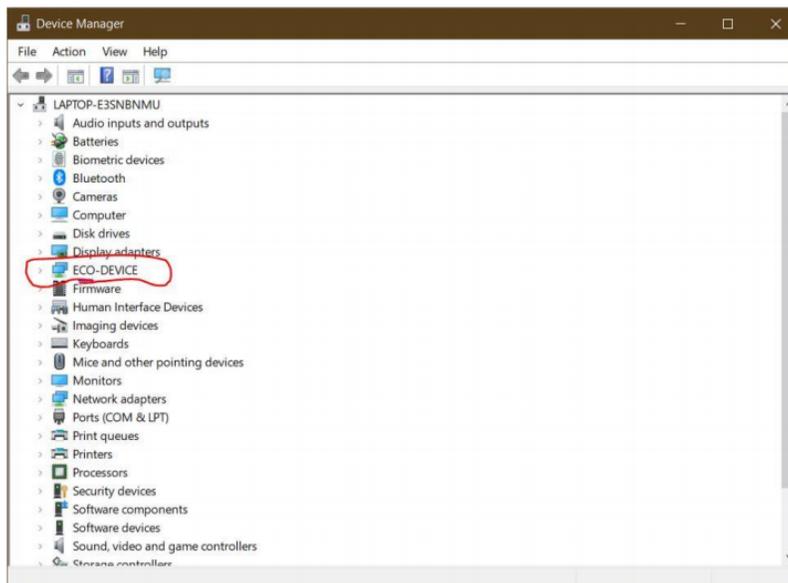
   b. Double click on the device in the device manager.
   c. Select the "Driver" tab and click "Update Driver"

d. Browse the PC for the drivers. Navigate to the USBCAN box Driver\WIN 10\64 (assuming the computer is 64-bit - it probably is)
e. Click "OK" and then "Next" to update the driver
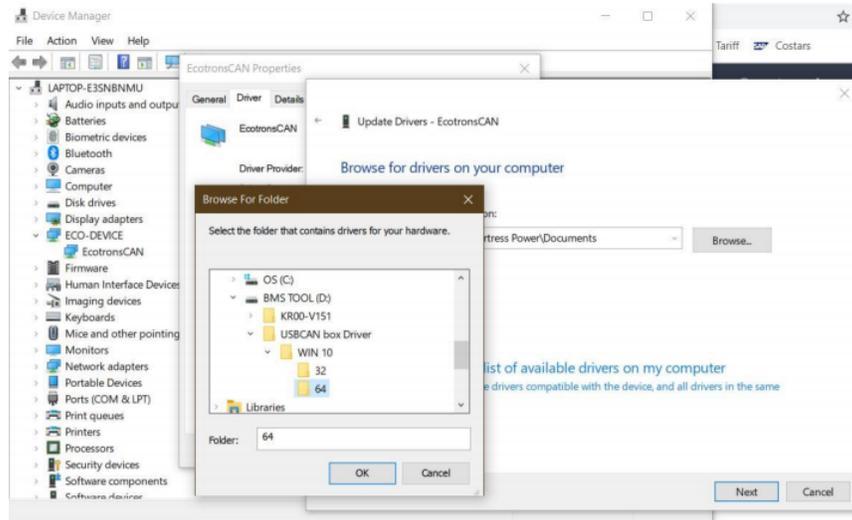
f. You should see the following screen appear, acknowledging the updated drivers.

5. Install and open the eVault CAN Software and select the SE Boot function in the eVault Canbus software (note, this is different software than the eFlex)
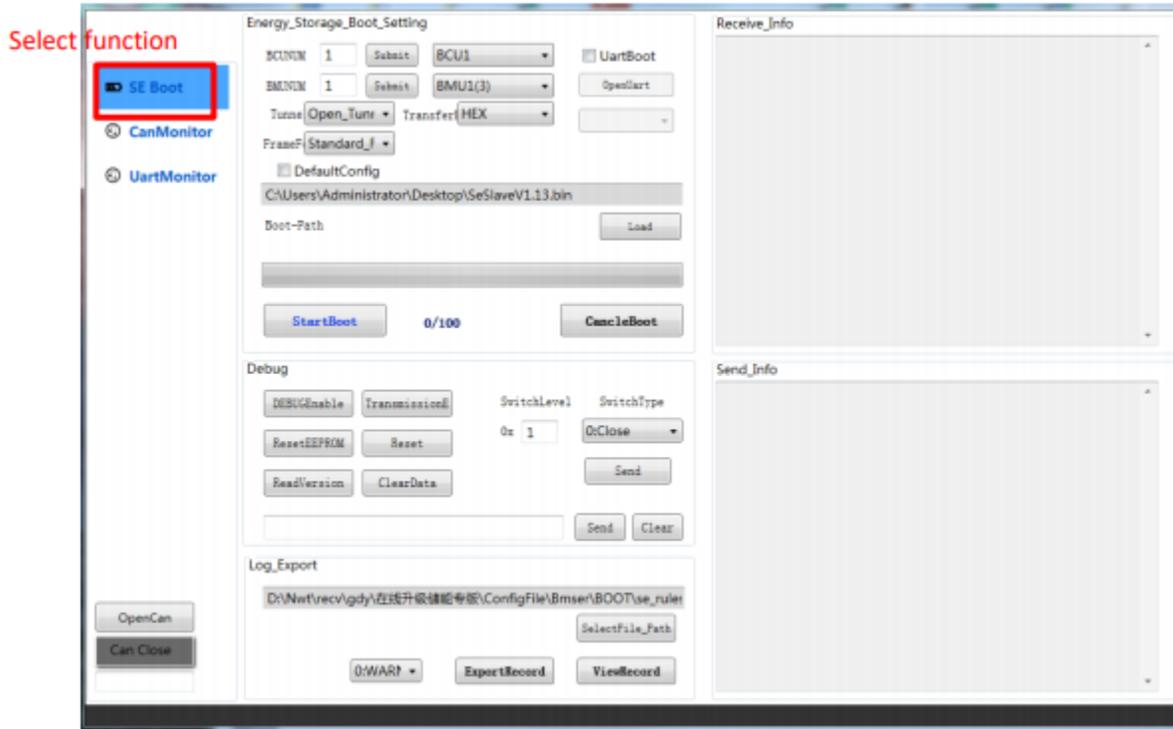
6. eVault Software Firmware Upgrade Steps
    a. Click "openCan", and open can-bus connection. If no connection is made, skip to step 7.
    b. Click "load", and select the firmware file.(SeSlave##.bin)
    c. Click"debug enable"
    d. Click"read version", and check the receive section can read the current software version. If not, that mean CAN-BUS tools may have connection issues.
    e. Click "Start boot" to start the firmware upgrade. Wait till the process is finished
    f. Click"Reset", or turn off the eVault then turn back on
    g. After the"reset", read the new software version.
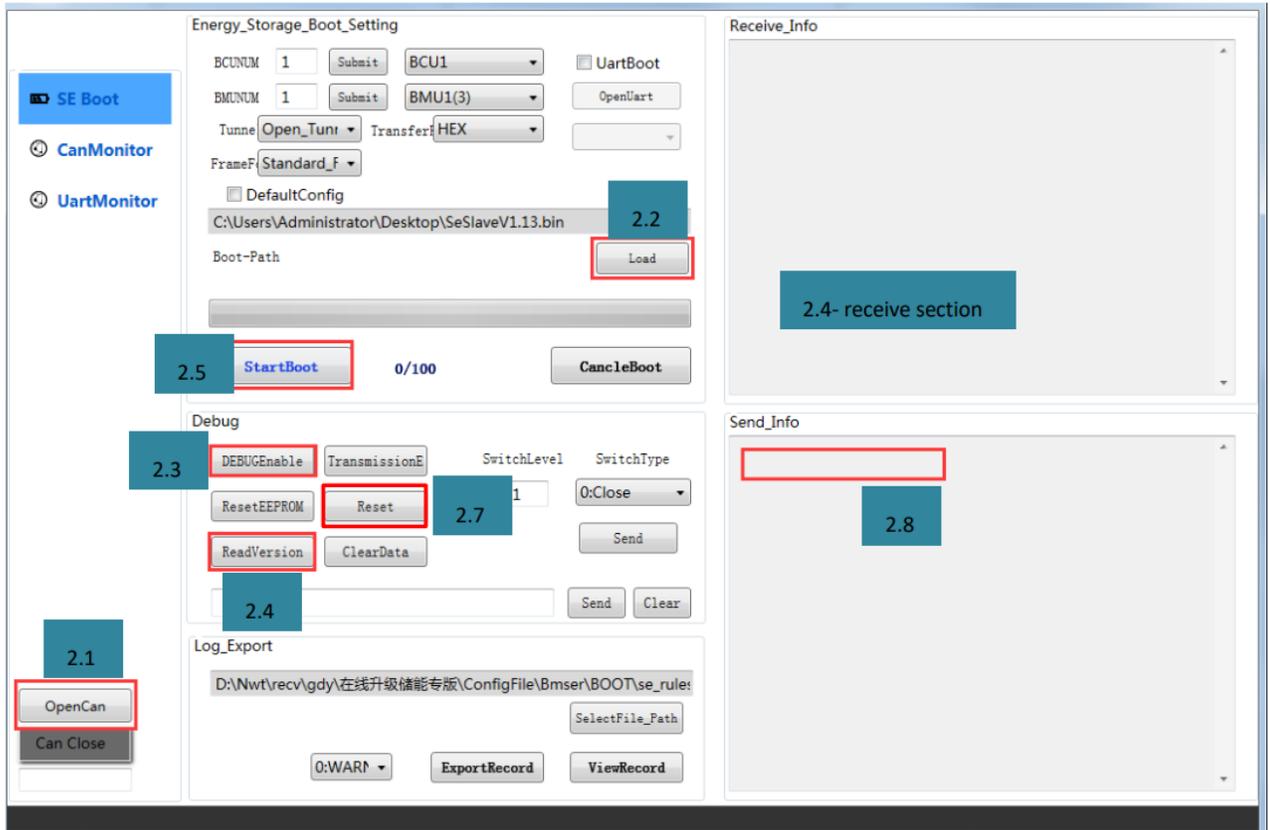
7. If no CAN connection is made, then your computer needs more drivers. Download and install this CANTest Software and retry step #5. You do not use the CANTest software.
https://www.fortresspower.com/wp-content/uploads/2021/03/CANTest_Setup_V2.70.zip