

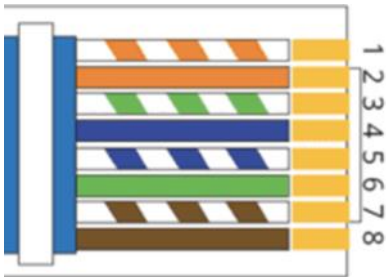
USBCAN II Device Update

Making the Canbus/Eflex Communication cable

Cut the RJ485 ethernet cable in half (that way you have two cables in case you mess up) and isolate the orange and orange/white wires (pins 1+2). Connect into the jack I sent—like in the attached picture.
 White/Orange → CAN High; Orange → CAN Low.

Once connected, install the drivers for the CANbox.

Then, use the USB drive to open the BMS tool and follow the video to install the update.



Pin	Color	Assignment
1	White Orange	CAN1_H
2	Orange	CAN1_L
3	White Green	RS485A2
4	Blue	CAN2_H
5	White Blue	CAN2_L
6	Green	RS485B2
7	White Brown	RS485A1
8	Brown	RS485B1



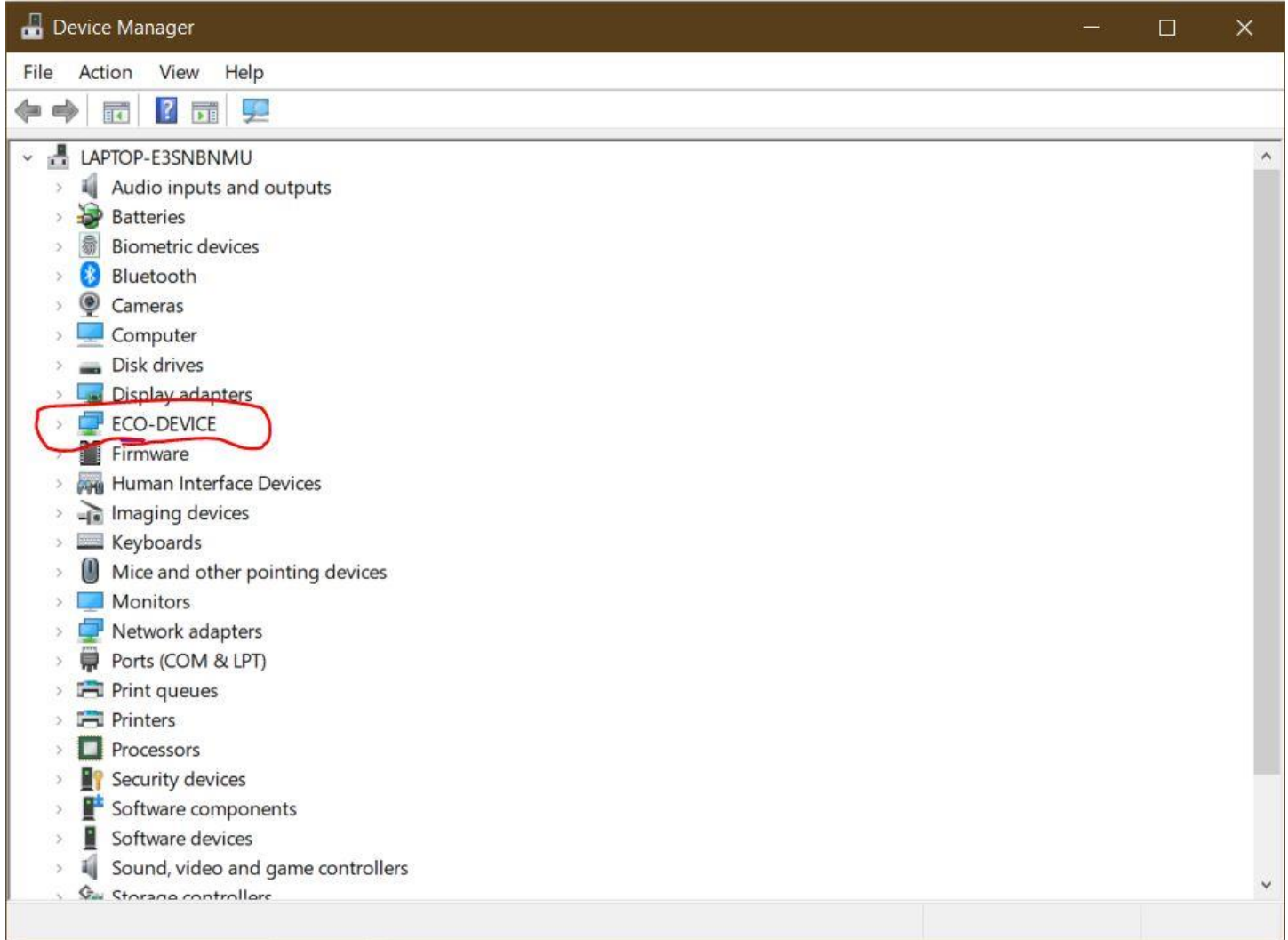
Youtube video:

This video walks through use of the USBCan software

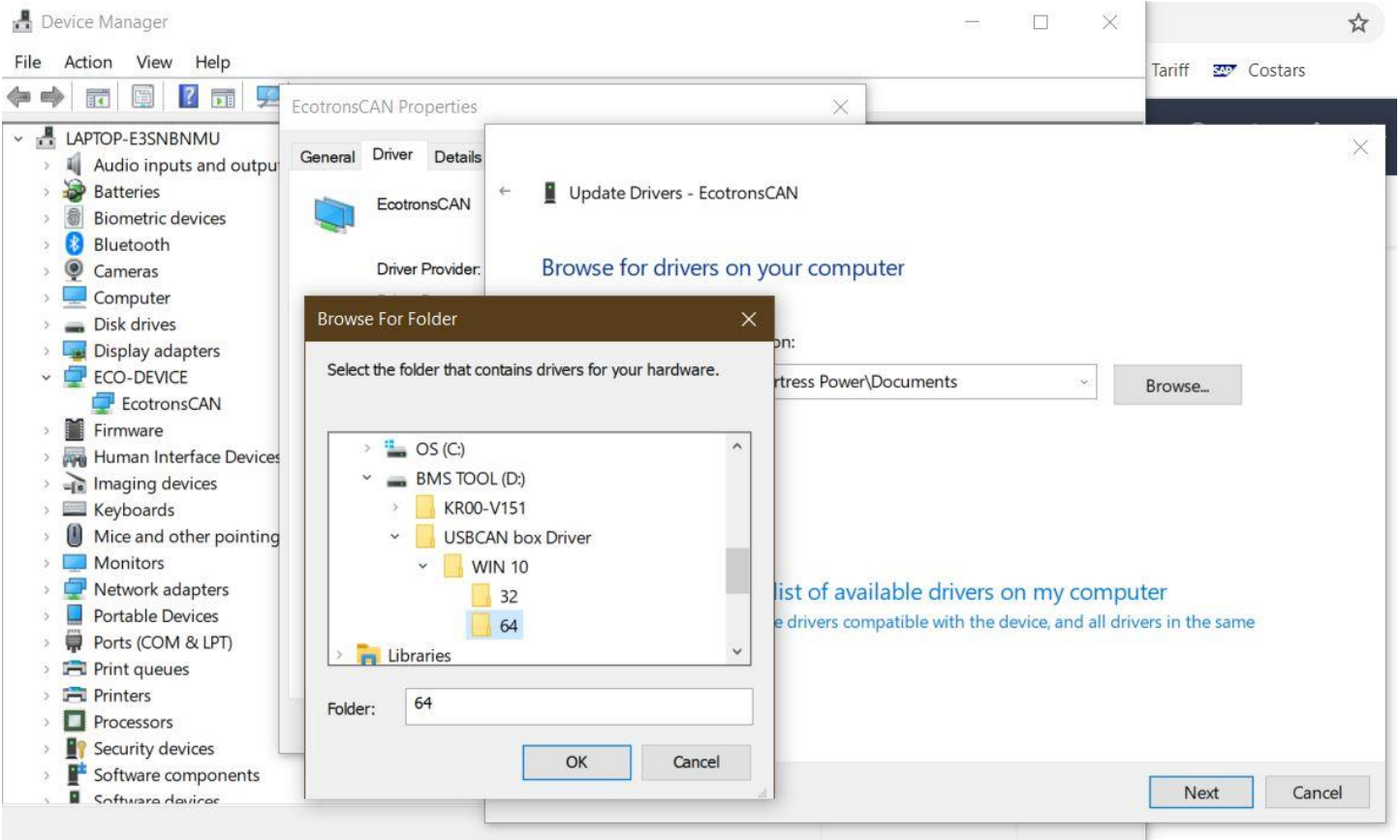
<https://www.youtube.com/watch?v=r9wpqPMGkgU>

To install the drivers for the BMS Tool/Canbus communicator, please follow these steps:

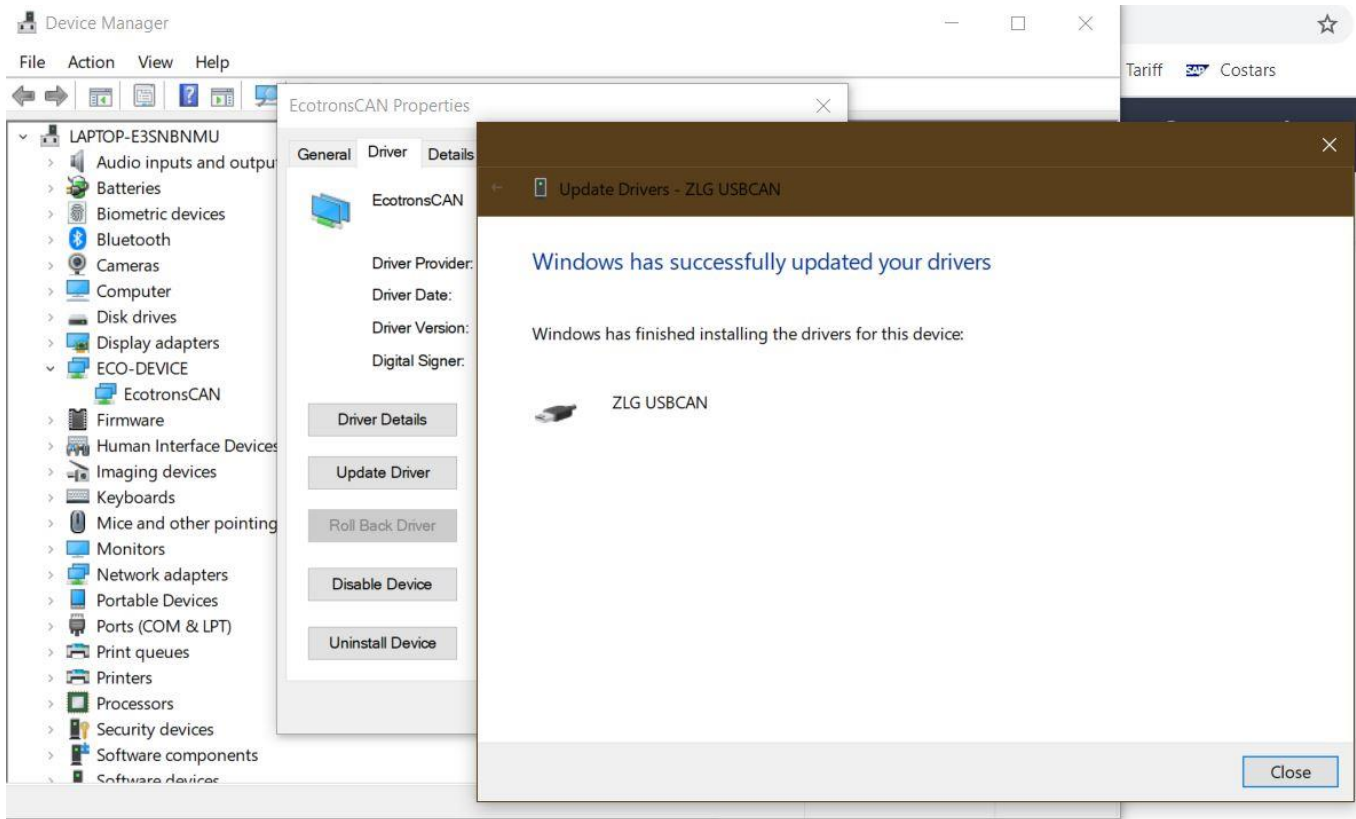
Plug in your USBCANII device via USB to your computer and enter the device manager. Without the drivers, the PC may recognize the device as ECO-Device, as shown below.



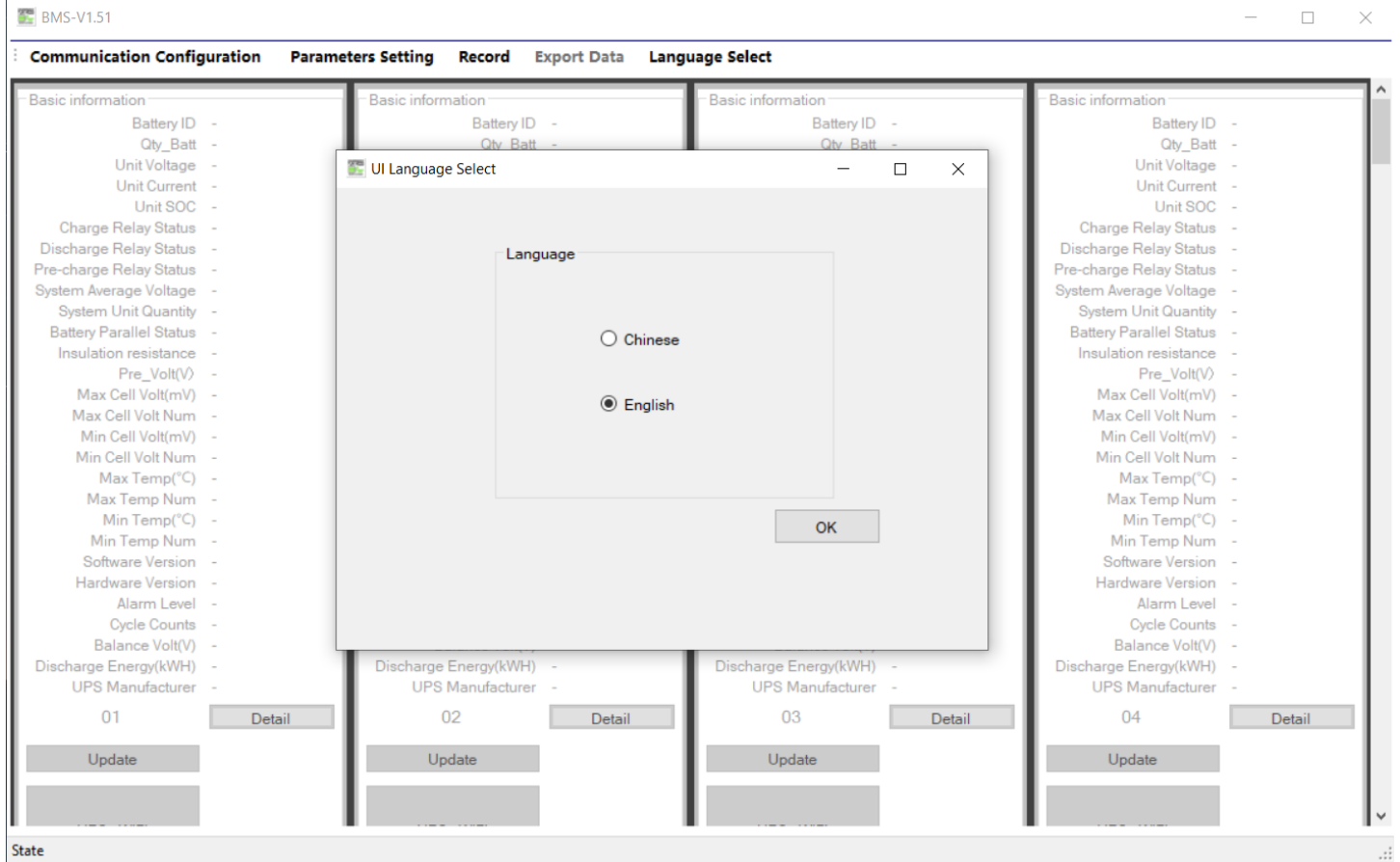
Double click on the EcotronsCAN icon, select the “Driver” tab, and click “Update Driver” This will prompt you to browse your PC for the drivers. Select “Browse” and navigate to the USB drive, open WIN 10, and 64 (assuming your computer is 64-bit) and click “OK” and then “Next”



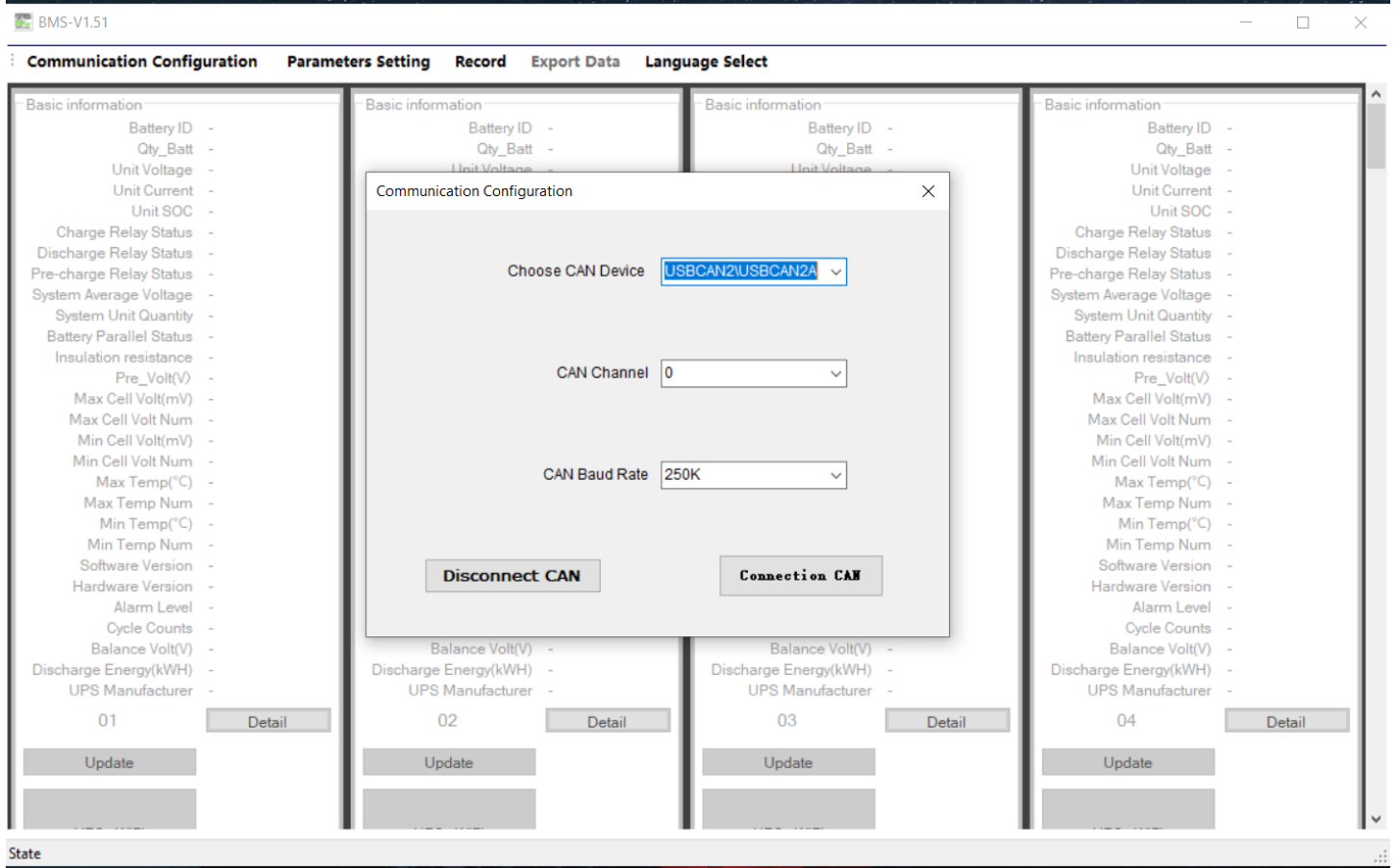
You should see the following screen appear, acknowledging the updated drivers. You can then navigate into the USB drive and open the “BMS” application.



First, click “Language Select” and select English



Next, select “Communication Configuration” and click “Connection CAN” to begin connection.



The screenshot shows the BMS-V1.51 software interface. At the top, there are menu options: **Communication Configuration**, **Parameters Setting**, **Record**, **Export Data**, and **Language Select**. The main area is divided into four columns, each representing a battery unit (01, 02, 03, 04). Each column contains a list of parameters such as Battery ID, Qty_Batt, Unit Voltage, Unit Current, Unit SOC, Charge Relay Status, Discharge Relay Status, Pre-charge Relay Status, System Average Voltage, System Unit Quantity, Battery Parallel Status, Insulation resistance, Pre_Volt(V), Max Cell Volt(mV), Max Cell Volt Num, Min Cell Volt(mV), Min Cell Volt Num, Max Temp(°C), Max Temp Num, Min Temp(°C), Min Temp Num, Software Version, Hardware Version, Alarm Level, Cycle Counts, Balance Volt(V), Discharge Energy(kWH), and UPS Manufacturer. Each parameter has a minus sign next to it, and each unit has a 'Detail' button and an 'Update' button.

A **Communication Configuration** dialog box is open in the center. It contains the following fields:

- Choose CAN Device:** A dropdown menu with the selected value **USBCAN2\USBCAN2A**.
- CAN Channel:** A dropdown menu with the selected value **0**.
- CAN Baud Rate:** A dropdown menu with the selected value **250K**.

 At the bottom of the dialog box, there are two buttons: **Disconnect CAN** and **Connection CAN**.

At the bottom left of the software interface, there is a **State** label.