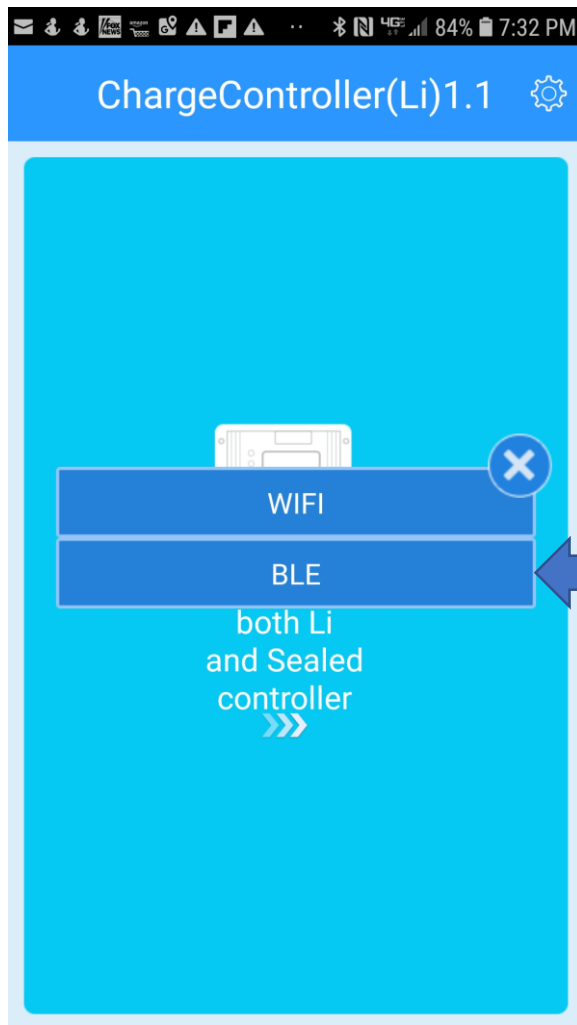


Using the EP Tracer BN and Xtra-N Series Solar Controller Bluetooth Module

Activating the APP

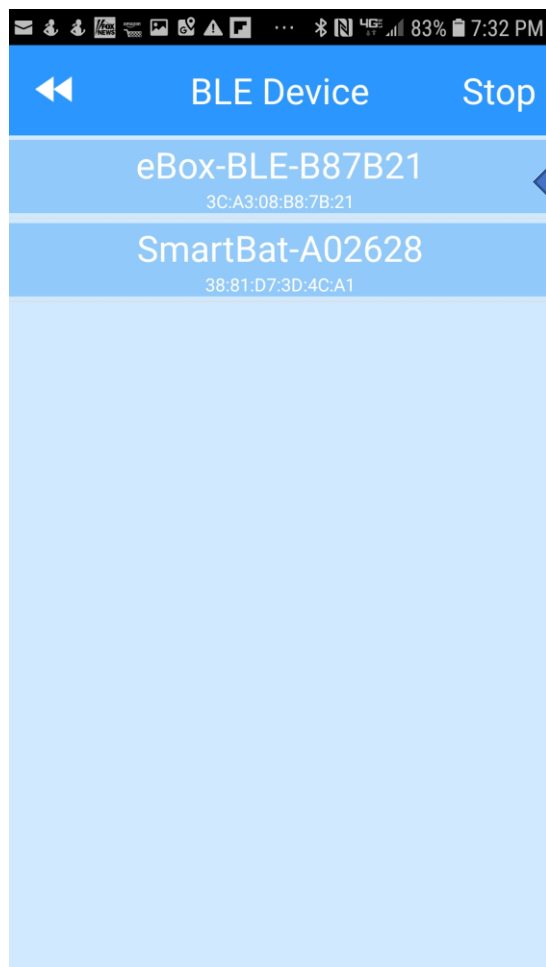


Plug the Bluetooth module into the solar controller using the cable provided.

Select the EP Charge Controller APP on your device.

Select the **BLE** option for Bluetooth

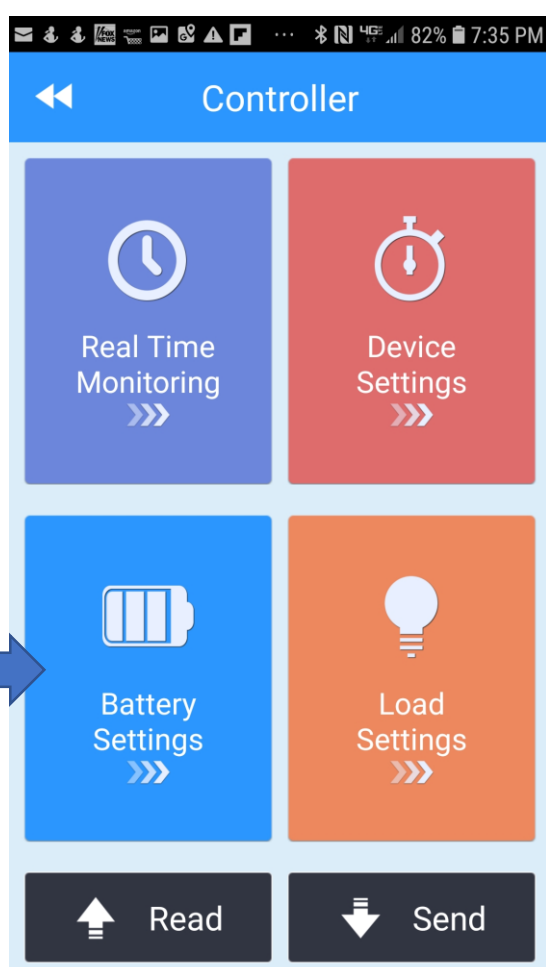
The green LINK light should illuminate on the BLE module. The messages CONNECTING and CONNECTED will appear.



Select the solar controller from the device page.

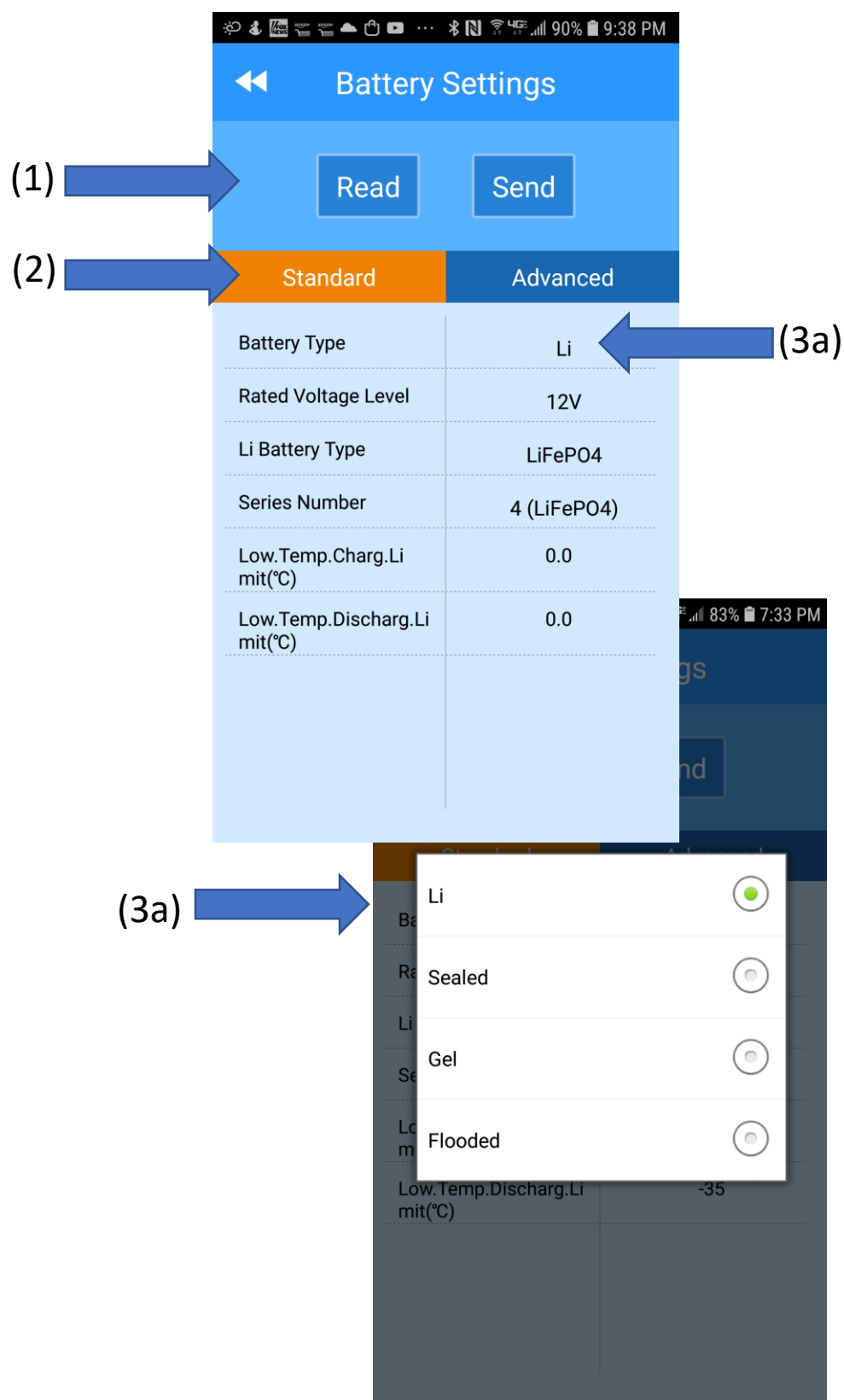
Select the << in the top left corner to return to the starting page.

Press anywhere on the Controller page to proceed to the navigation page..



The Controller navigation page has four quadrants. The lower left **Battery Settings** quadrant is used to set up the battery type and size parameters. Most of these settings can also be defined using the remote or built in meter. The Battery Settings must be used to set up the Lithium battery types.

Setting the Battery parameters for Lithium batteries



1. Press the **Read** button to download the current controller settings to this APP. The values set for this controller will be displayed on the screen.

2. Press the **Standard** button to download the current controller settings to this APP. The values set for this controller will be displayed on the screen.

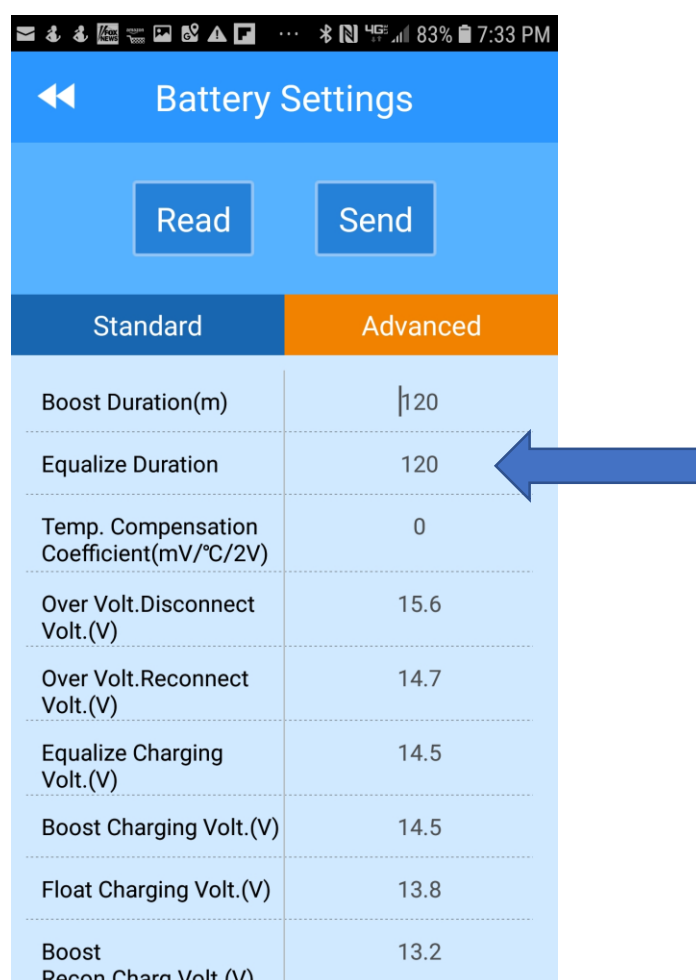
3a. Press the **Battery Type** value and select the battery type in the popup window.

3b. Press the **Li Battery Type** value and select the **Li** battery type in the popup window.

3c. Press **Series Number** value and select the type in the popup window.

3d. Set the **Temperature** setting per your battery specification. Usually 0 degrees C is about right.

4. Press the **Advanced** header button to move to the detailed battery settings page.



Set each value per the specification of the battery being charged. **Equalize Duration** should be set to zero for LiFePO4 batteries since this battery technology does not require equalization.

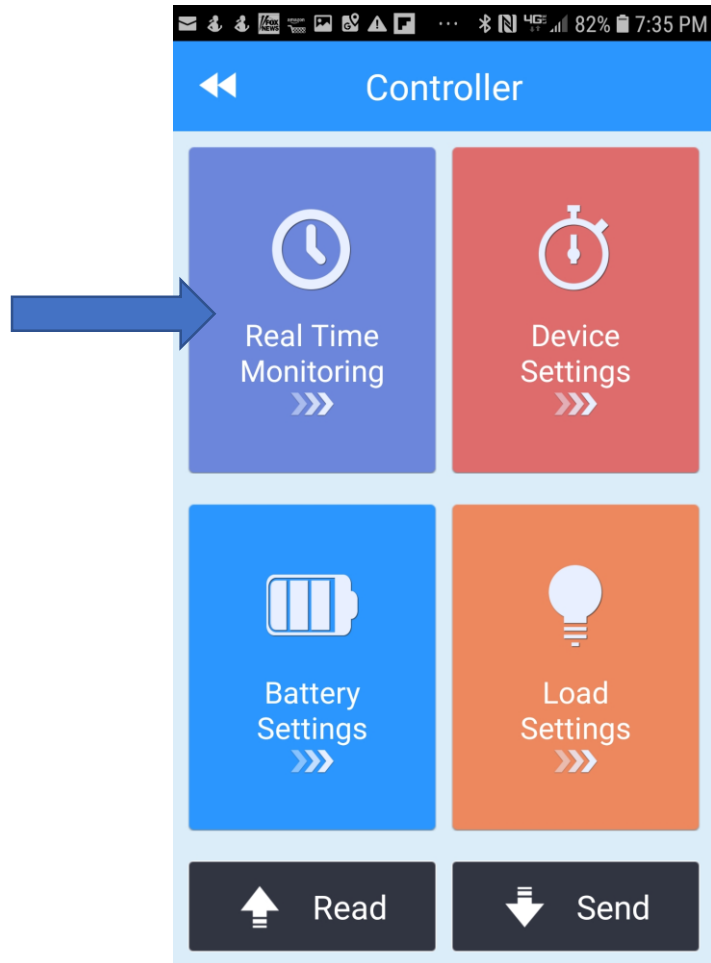
Once all settings are complete, press **Send** to upload the values to the controller. Press **Read** to download the values to confirm they have been set. You may have to press **Read** twice to get the controller values.

Press **<<** in the upper left corner to go back to the navigation page.

Note: Use the same process to set up other battery types as necessary in not using Li batteries.

Monitoring the Solar System Performance

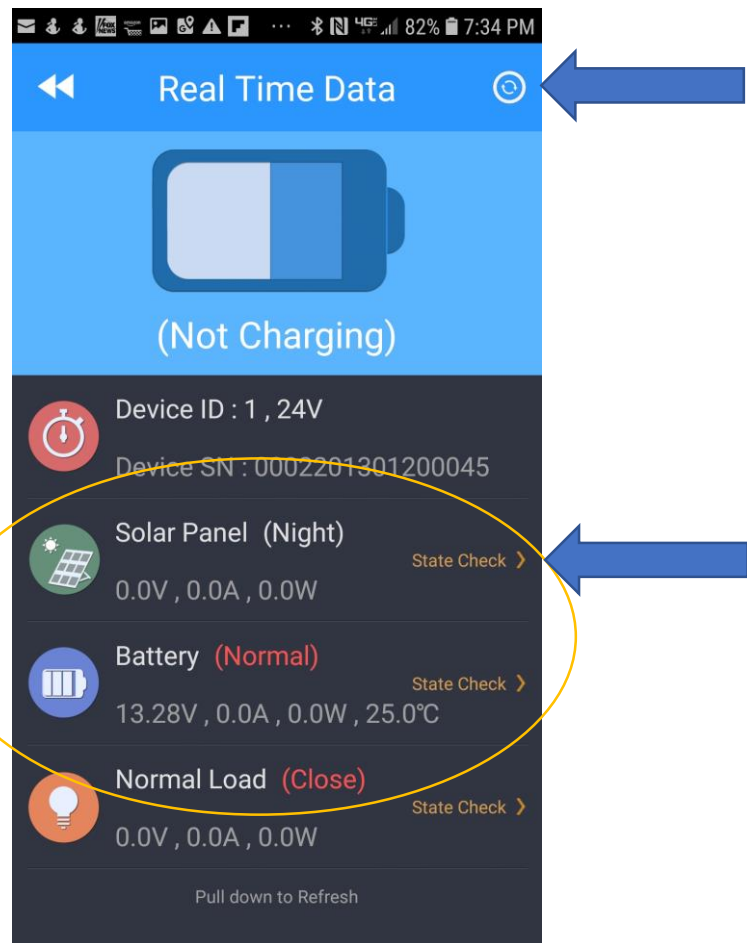
Press the Real Time Monitoring button in the upper left quadrant to monitor the performance of the solar controller.



The Real Time Data page provides a summary of the performance of the controller, specifically the solar panel and the charge to the battery bank.

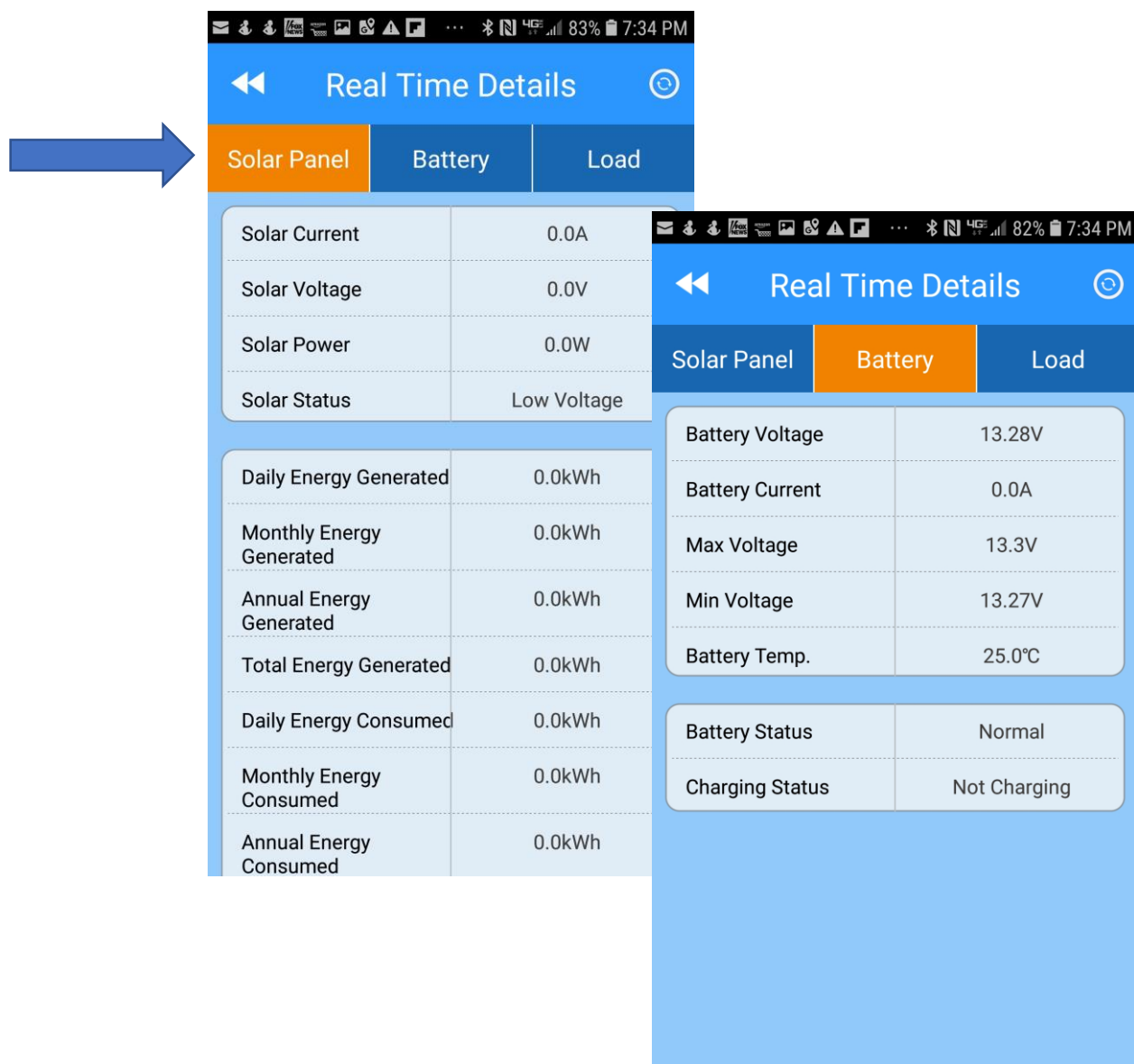
Note: The Device ID shows 24V even though your controller is programmed for a 12 volt battery bank.

Note: The Load feature is seldom used for marine battery charging applications.



Press the round button in the upper right corner to download real time data from the controller. You will note the change in the solar panel and battery values.

Press **State Check** to move to the detailed data pages for the input data from the solar panel and the charge data to the battery bank.



Press the **Solar Panel** and **Battery** header buttons to move between the data pages.

Press the **circle** in the upper right corner to refresh the data from the controller.

Press the **<<** button in the upper left corner to return to the summary page.

Download Instructions

Bluetooth APP for EP Xtra-N and Tracer BN Solar Controllers

Downloading APP for Smartphones and Tablets

Android:

Google Play –

Search: EPEVER – Install **Charge Controller (Li)**

Important note: Permissions must be changed on the Android phone for the software to pair properly.

Here are the steps:

Go to SETUP

Select APPS

Select Charge Controller (Li)

Select Permissions

Permit Location and Storage

PC Browser –

Go to URL: epsolarpv.com

Select: Support

Select: Software

Download: Charge Controller (Li)

Custom Marine Products website – custommarineproducts.com

Select Support, Manuals and Info

Select Software to Download

Select Android APP for Tracer and Xtra-N Controller Monitoring to Download

Apple:

Apple Store –

EPEVER – Install EPEVER (EP-01)

Downloading Monitoring Software for PC

Go to URL: eeverpv.com

Select: Support

Select: Software

For PC computer Download: Controller PCTools V 1.93

Note: Special cable required to connect controller to the PC. Available from Custom Marine Products

You can also download Smartphone APPs here but they are older versions