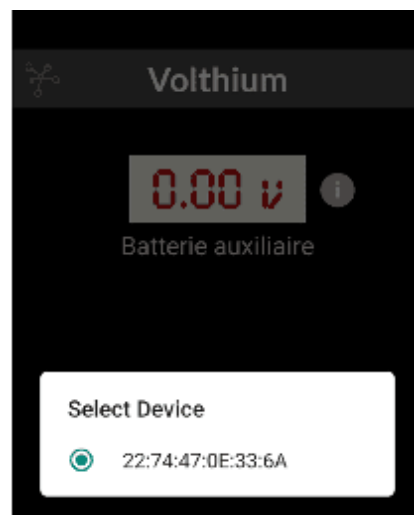
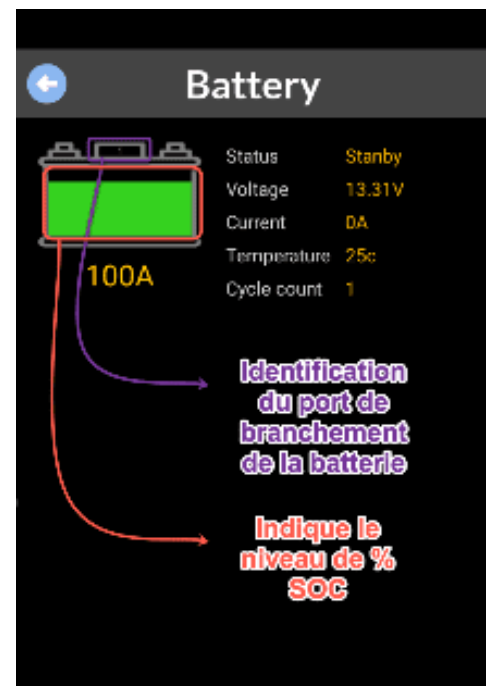


VOLTHIUM MONITOR - BLUETOOTH APPLICATION

Volthium Monitor is the new generation application for your Volthium communication modules. Entirely made in MONTREAL. Download the "[Volthium Monitor](#)" application now.



DESCRIPTION OF THE FEATURES AND CONNECTION



DESCRIPTION OF THE DIFFERENT MODULES

1) Bluetooth dongle:

Has a total of 3x RJ45 female ports and a DC input port.

- The DC port (green) is used for the power supply. The accepted voltage is in the range of 10V to 59V.
- The RJ45 port, on the same side as the DC connector, is used in case only one battery is to be monitored with the Bluetooth module.
Do not connect a battery to this port if the Bluetooth module is used with the "Communication HUB" module.
- Series of 2 RJ45 ports (Daisy-Chain CAN)
 - o They are used to interconnect Volthium boxes on the CAN network
For example; The "Communication HUB" box, which would be used to connect a battery bank (energy bank)
 - o Could also be used to connect the "Closing Loop", which is a small black RJ45 connector.

2) Communication HUB:

Has a total of 6 RJ45 female ports:

- Series of 4x RJ45 female ports on one side:
 - o For battery reading only.
- Series of 2 RJ45 ports (Daisy-Chain CAN)
 - o They are used to interconnect Volthium boxes on the CAN network
 - o For example; The "Bluetooth Dongle" box, or the "Power Supply" box.
 - o They are also used to connect to an external device on the CAN bus, such as Victron VE.CAN
 - o Used to connect the "Closing Loop", which is a small black RJ45 connector.

3) Power Supply Module

Has a total of 2x RJ45 female ports and a DC input port.

- The DC port is used for the power supply. The accepted voltage is in the range of 10V to 59V.
- Series of 2 RJ45 ports (Daisy-Chain CAN)
 - o They are used to interconnect Volthium boxes on the CAN network
 - For example; The "Communication HUB" box, or the "Bluetooth Dongle" box.
 - o Use to connect the "Closing Loop", which is a small black RJ45 connector.

General Note:

- We call a "Network", the set of Volthium modules interconnected between them.
- In a network of Volthium modules, a Closing Loop terminator RJ45 must be installed in one of the CAN ports ("Daisy-Chain"). The selection of the port is not important, in fact any CAN port of any module can be used to receive the RJ45 Closing Loop Terminator.

Example of Bluetooth connection: 2x volthium batteries 12V100AH.

You will need to order the combo: Bluetooth Module & HUB.

In addition, you will need to order 1 XLR-RJ45 cable (male) in EXTRA on the website.

In the delivery you will get :

- 1) Bluetooth dongle module, including
 - a. Bluetooth module
 - b. DC cable
 - c. 1x 6 inch flat RJ45 cable
 - d. 1x XLR - RJ45 male cable
- 2) Communication HUB module
 - a. HUB Module
 - b. 1x 6 inch flat RJ45 cable
 - c. RJ45 VE.CAN 6 feet cable
 - d. Closing Loop terminator

Bluetooth connection: 2x Volthium 12V100AH batteries.

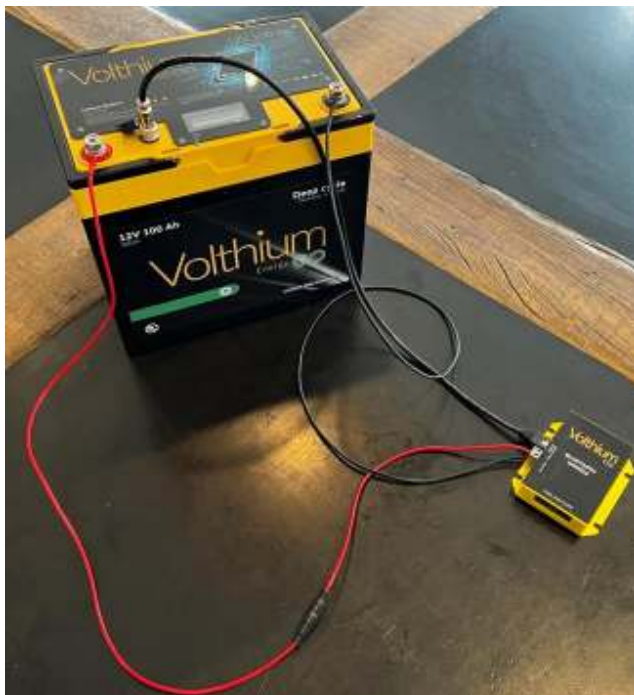
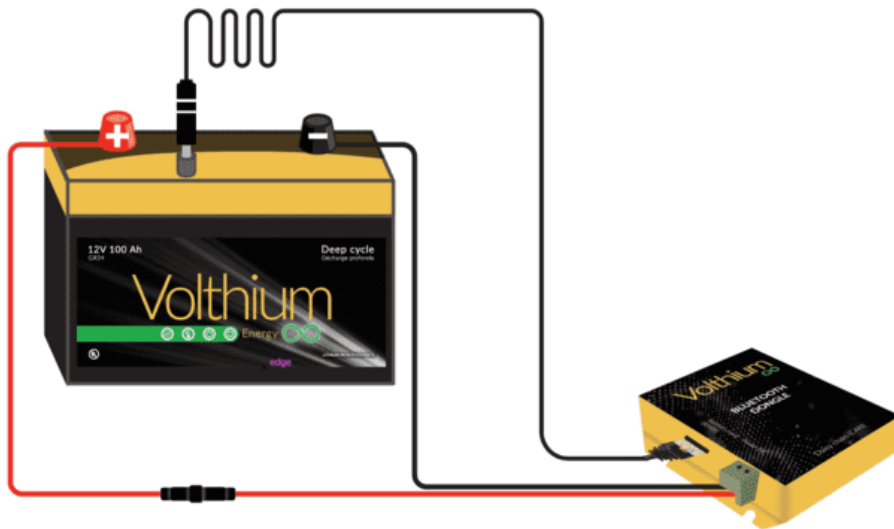
Instructions:

- 1) Connect the 2 batteries, from their XLR connector to the HUB module, for each battery. Make sure to plug them into ports 1-2 of the HUB module.
- 2) Interconnect, via the CAN Daisy-CHAIN port, the HUB module box to the CAN Daisy-CHAIN port of the Bluetooth module using the flat black RJ45 cable.
- 3) Connect the closing loop terminator to one of the CAN ports (this can be on the HUB module, or on the Bluetooth module).
- 4) Connect the power supply with the DC cable from the batteries to the Bluetooth module.
- 5) Download the application for your mobile : [Volthium Monitor](#)

Bluetooth connection: 1x Volthium battery 12V200AH Yellow.

Instructions:

- 1) Connect the battery via its RJ45 port (any of the 2, not important) to the HUB module using a standard RJ45 cable (you can use the flat black 6" cable provided with the Bluetooth module).
- 2) Connect the power supply with the DC cable from the batteries to the Bluetooth module.
- 3) Download the application for your mobile:



Bluetooth connection + Victron: 2x Volthium 12V100AH batteries.

Instructions:

- 1) Connect the 2 batteries from their XLR connector to the HUB module using the XLR-RJ45 cable for each battery. Make sure to plug them into ports 1-2 of the HUB module.
- 2) Interconnect, via the CAN Daisy-CHAIN port, the HUB module box to the CAN Daisy-CHAIN port of the Bluetooth module using the flat black RJ45 cable.
- 3) Connect the closing loop terminator to one of the CAN ports (this can be on the HUB module, or on the Bluetooth module).
- 4) Connect the power supply with the DC cable from the batteries to the Bluetooth module.
- 5) Use the 6' RJ45 CAN cable to connect one of the CAN ports, either from the Bluetooth box or from the HUB box, to the BMS-CAN (or VE.CAN port set to 500kb/s) of your Victron hardware.
 - a. Also make sure to close the victron CAN bus circuit with the blue RJ45 connector provided by Victron.
 - b. Note that the 6 foot RJ45 CAN flat cable has an identification. It just works in the direction expressed by the identification.
- 6) Download the application for your mobile:
 - a. [Volthium Monitor](#)

Generic example of a connection:

