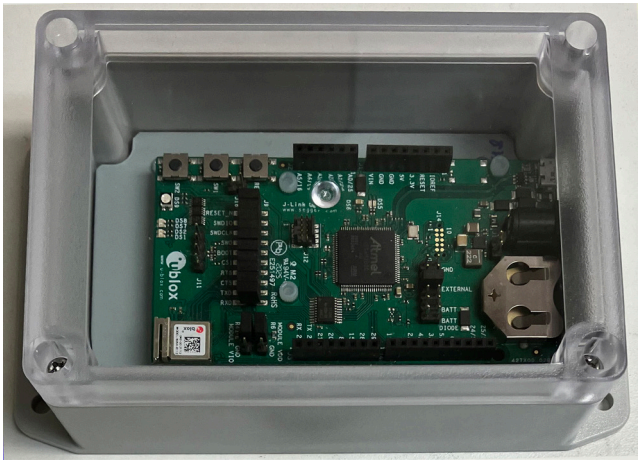
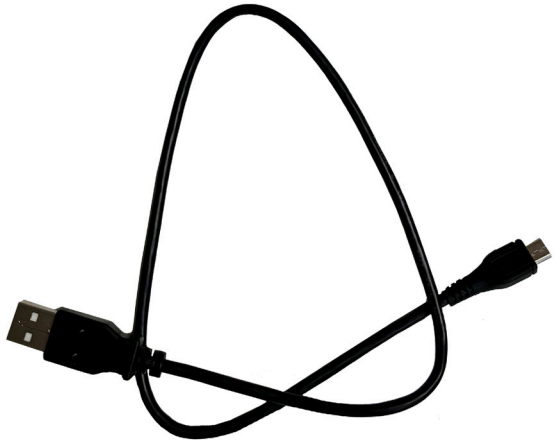
Dongle Kit for BMID III-B (BatteryRx™)
User Guide
ProCore™ Edge





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A NOTE ABOUT CUSTOMER SUPPORT

Please write down the unit serial number in the Owner's Record below to ensure superior service, and have it available when contacting PosiCharge Customer Service. The serial number can be found on the nameplate rating label on the left side of the unit.

Owner's Record

Model:
ProCore™ Edge

Serial Number (SN):

Purchase date:

Output power:

Customer Support: service@posicharge.com
1-866-767-4242

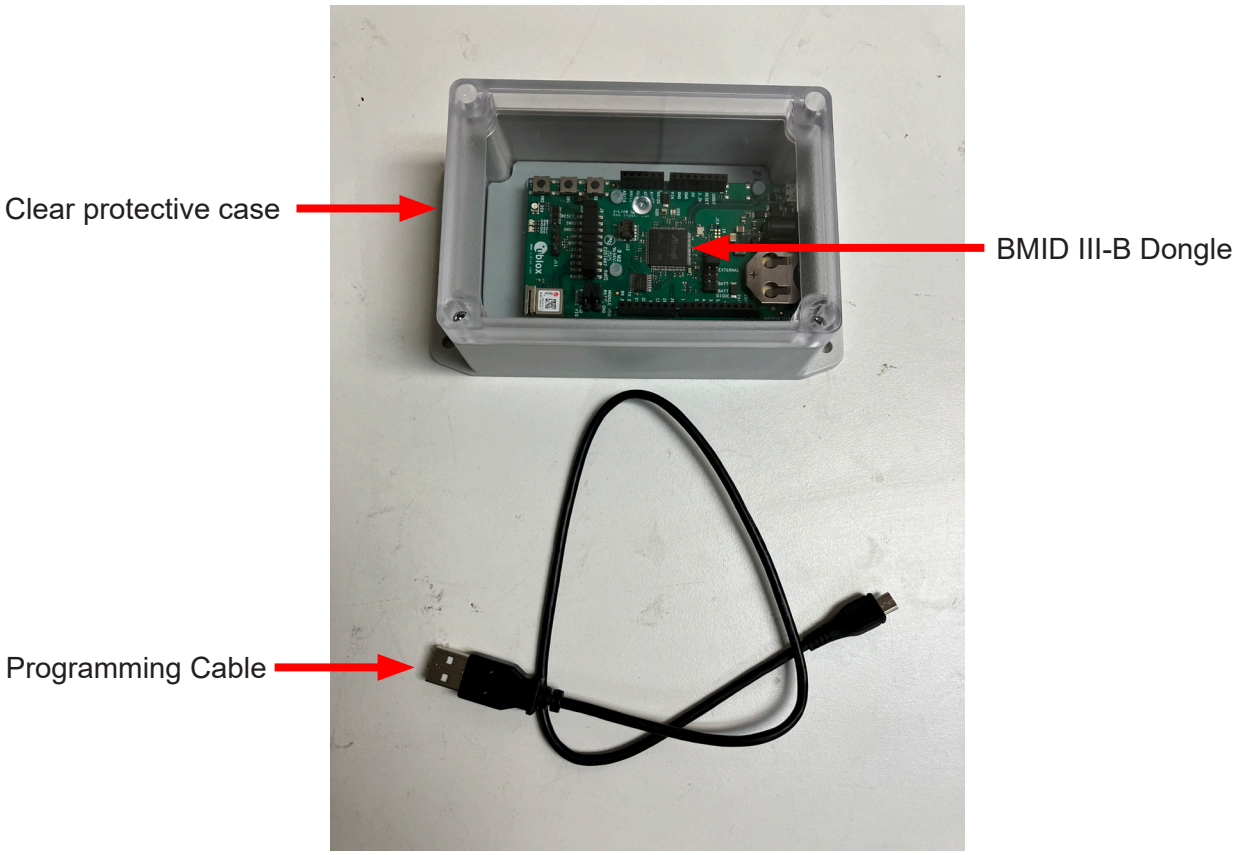
Parts: orders@posicharge.com

Contents:

Parts and Software Applications Needed for this Procedure 3
Connecting the Dongle 4
Summary of Battery Rx Utility Features 9
Rx Configuration Programming Instructions Using the Utility 10

Parts and Software Applications Needed for this Procedure:

Parts & Applications	Part Number	Notes
Kit Dongle BMID III-B USB CBL	5912660	**Includes:** • BMID III-B Dongle • Programming Cable • Instructions
PC with Windows Operating System		
BatteryRx Version 5.000 or later		

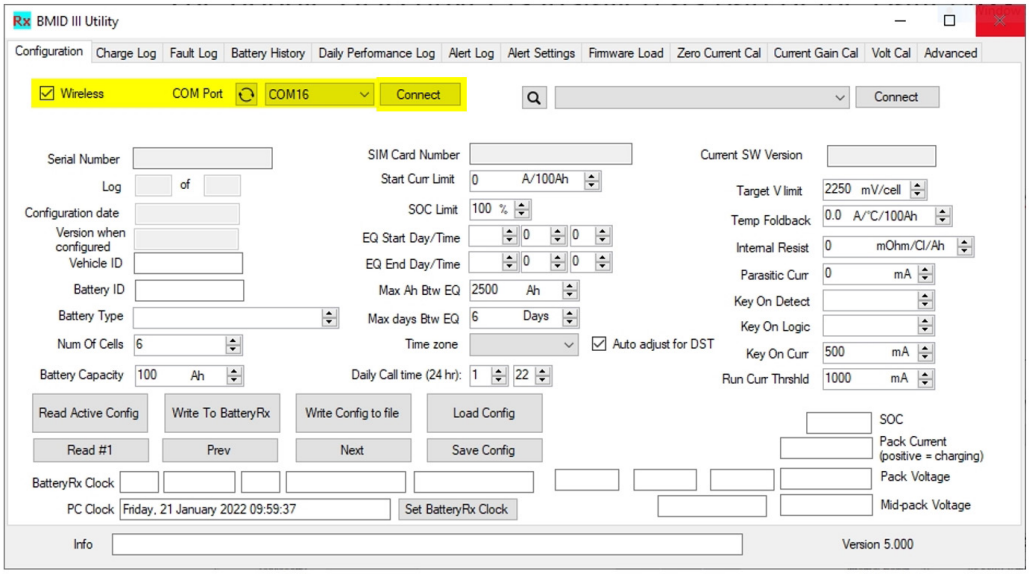


Connecting the Dongle:

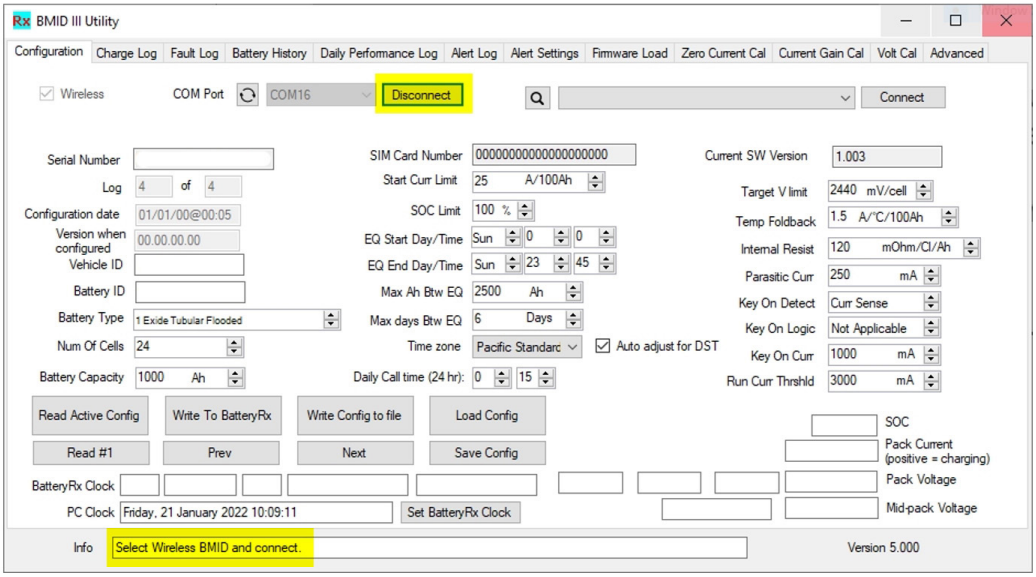
1. Connect the cable to the port of the dongle box, then connect the USB cable end to the PC.
2. Open the BatteryRx application (Version 5.000 or later) on the PC.
3. When the application opens, select the **Wireless** box on the upper left corner of the screen.

NOTE: Several other messages may appear temporarily before the screen below opens for you.

4. Next, select the refresh icon to scan the PC for existing COM ports, then select the COM Port **Connect** button.



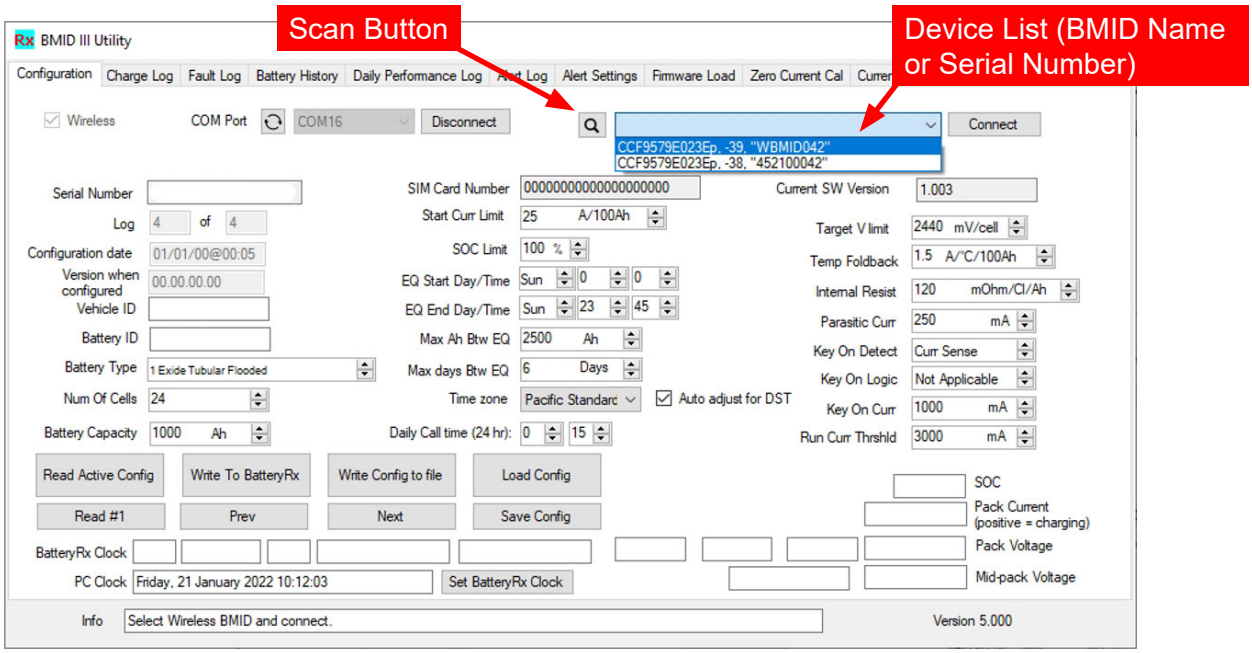
5. Once connected, the button will change to “Disconnect,” and several messages will appear in the Info box below. **Wait until you see “Select Wireless BMID and Connect” in the info box at the bottom, then go to Step 6.**



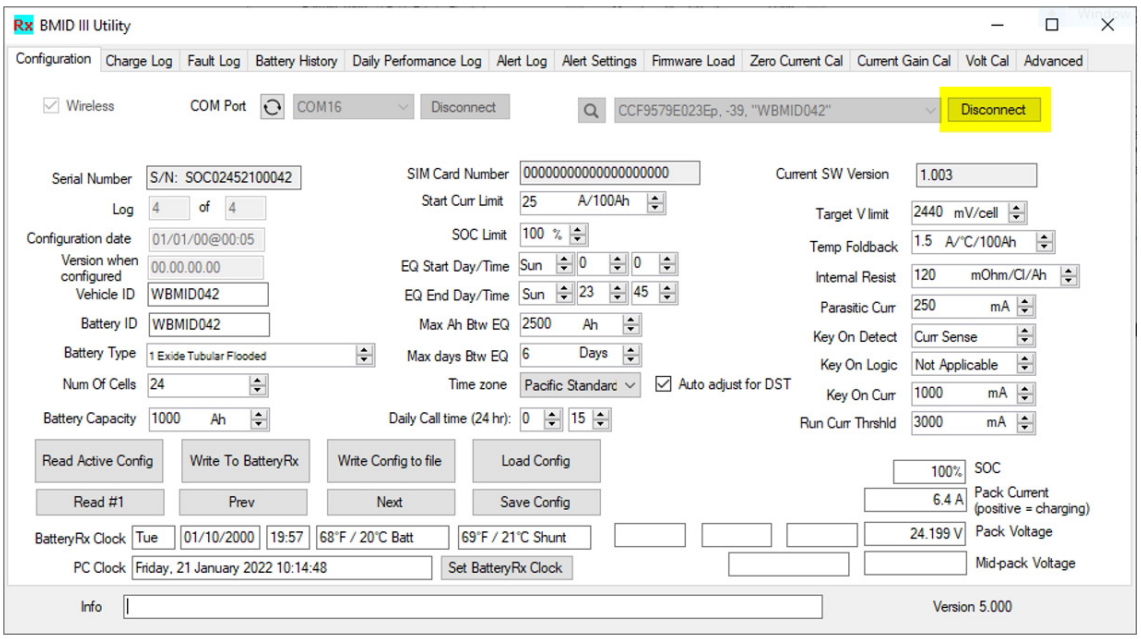
6. The fields shown below will not be filled in, so you will need to know the assigned name of the BMID or the serial number printed on the side of the BMID.

   Once you confirm the assigned name or serial number, select that specific BMID from the drop-down menu las shown below.

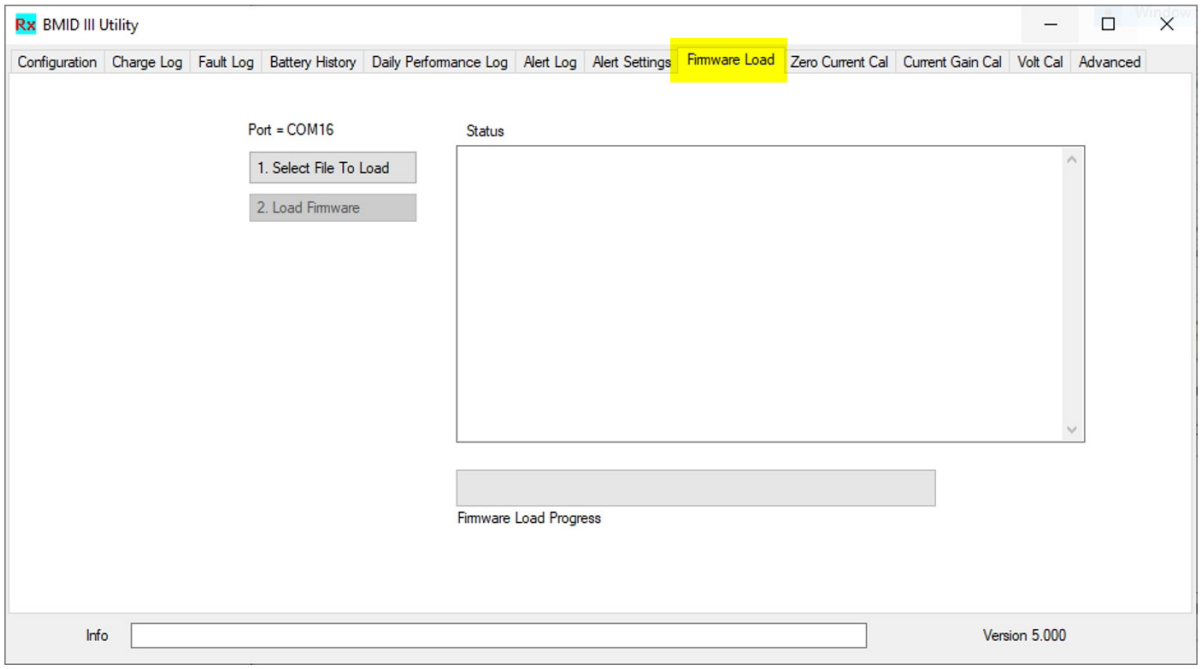
   If the BMID you want is not listed, select the **Scan** button to re-scan for nearby BMID devices. Then select the **Connect** button.



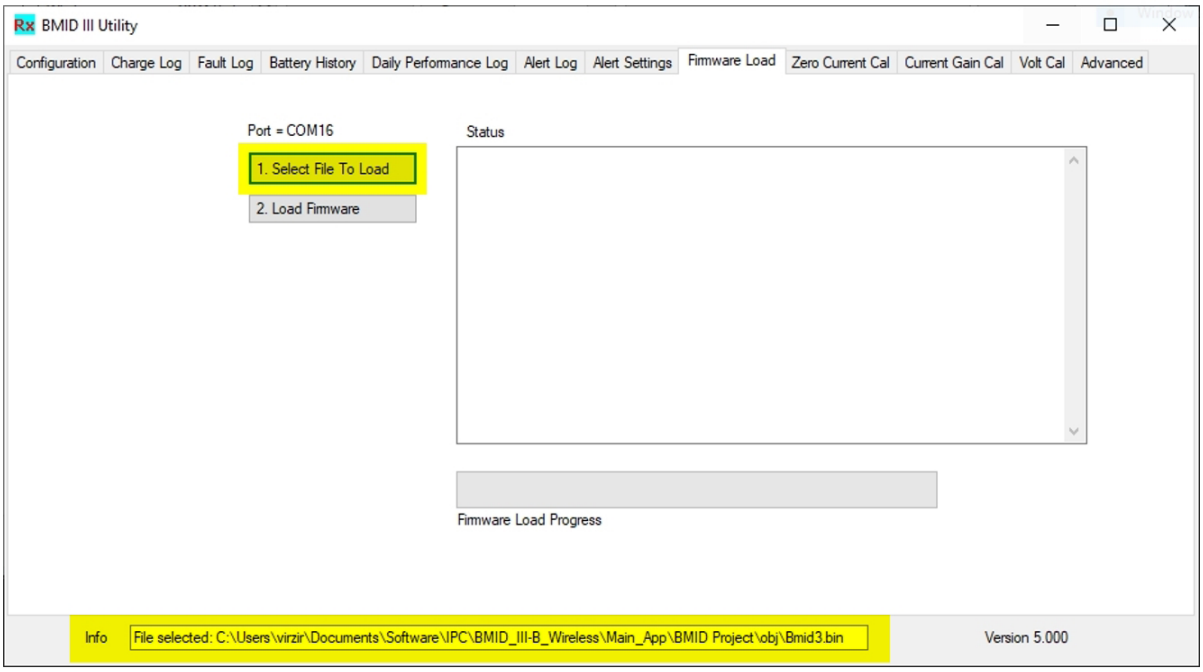
7. When the BMID is successfully connected, the Connect button will change to “Disconnect,” and the configuration data will be retrieved from the BMID and be added to the data fields.



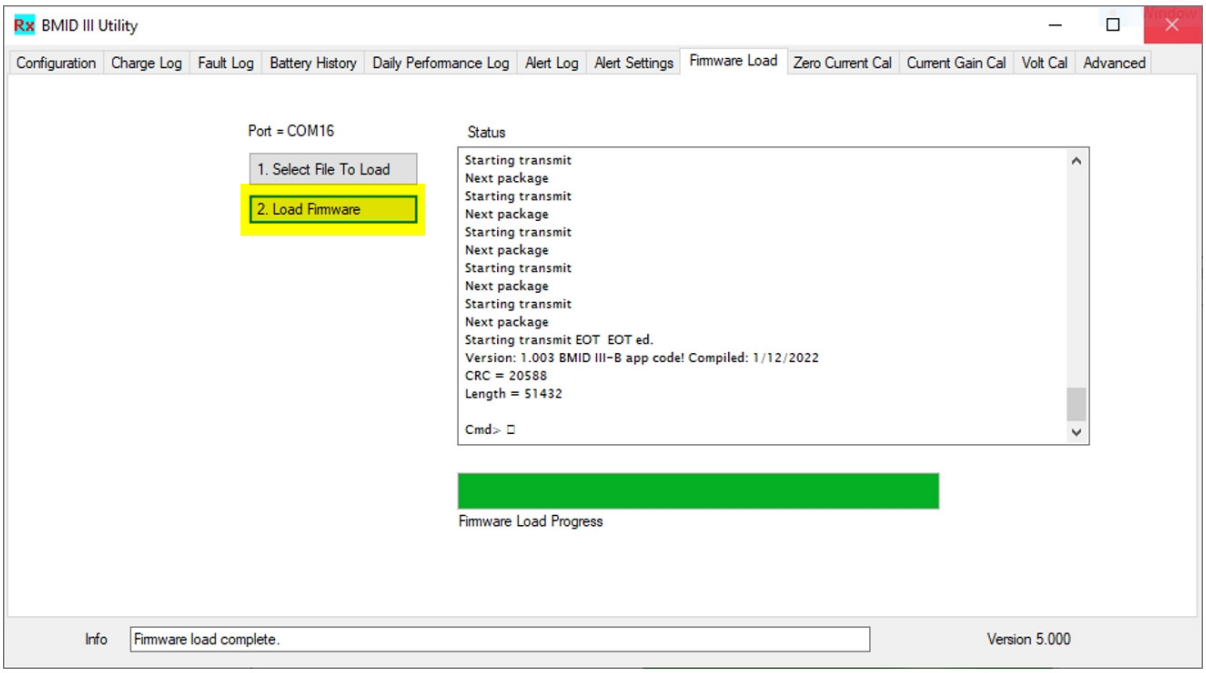
8. Select the **Firmware** Load tab.



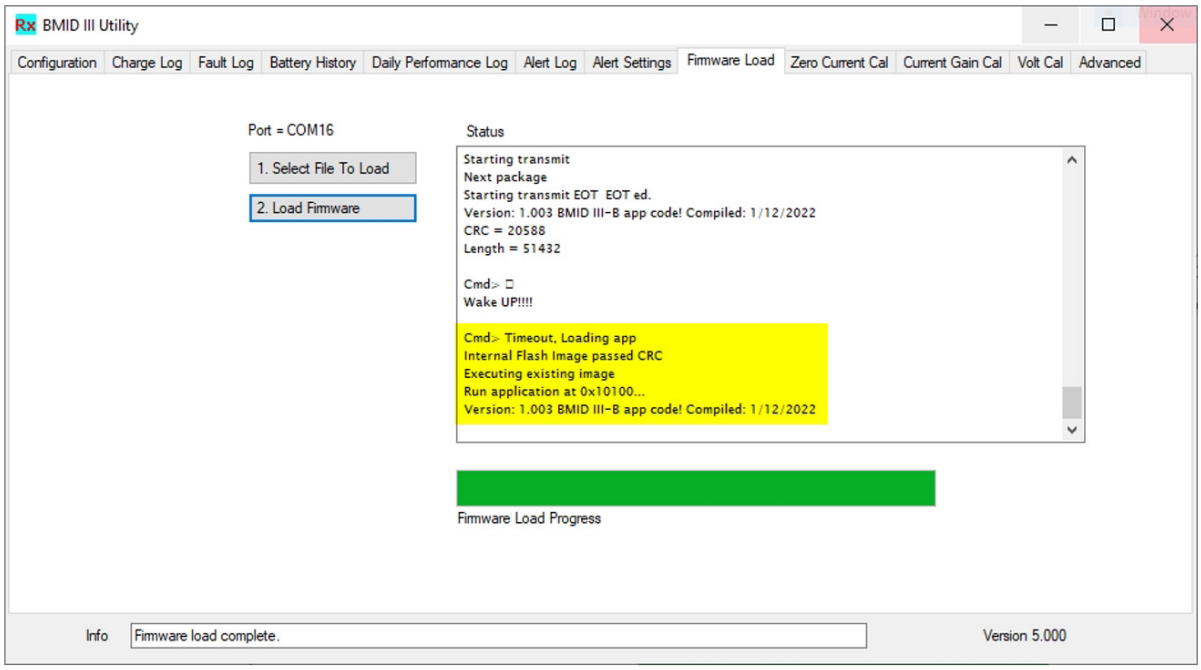
9. Next, click on **Select file to load**.
10. Select the bin file for the firmware – the file path will appear in the Info box.



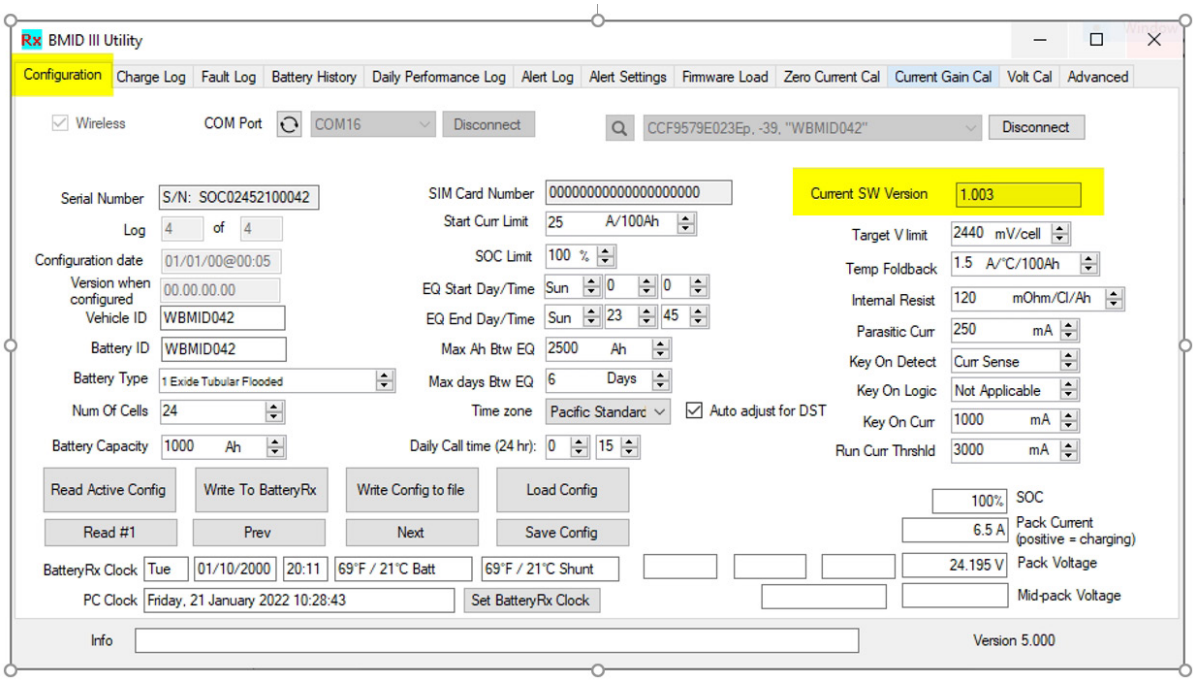
11. Select **Load Firmware**, and wait for “Firmware load complete” in the Info box.



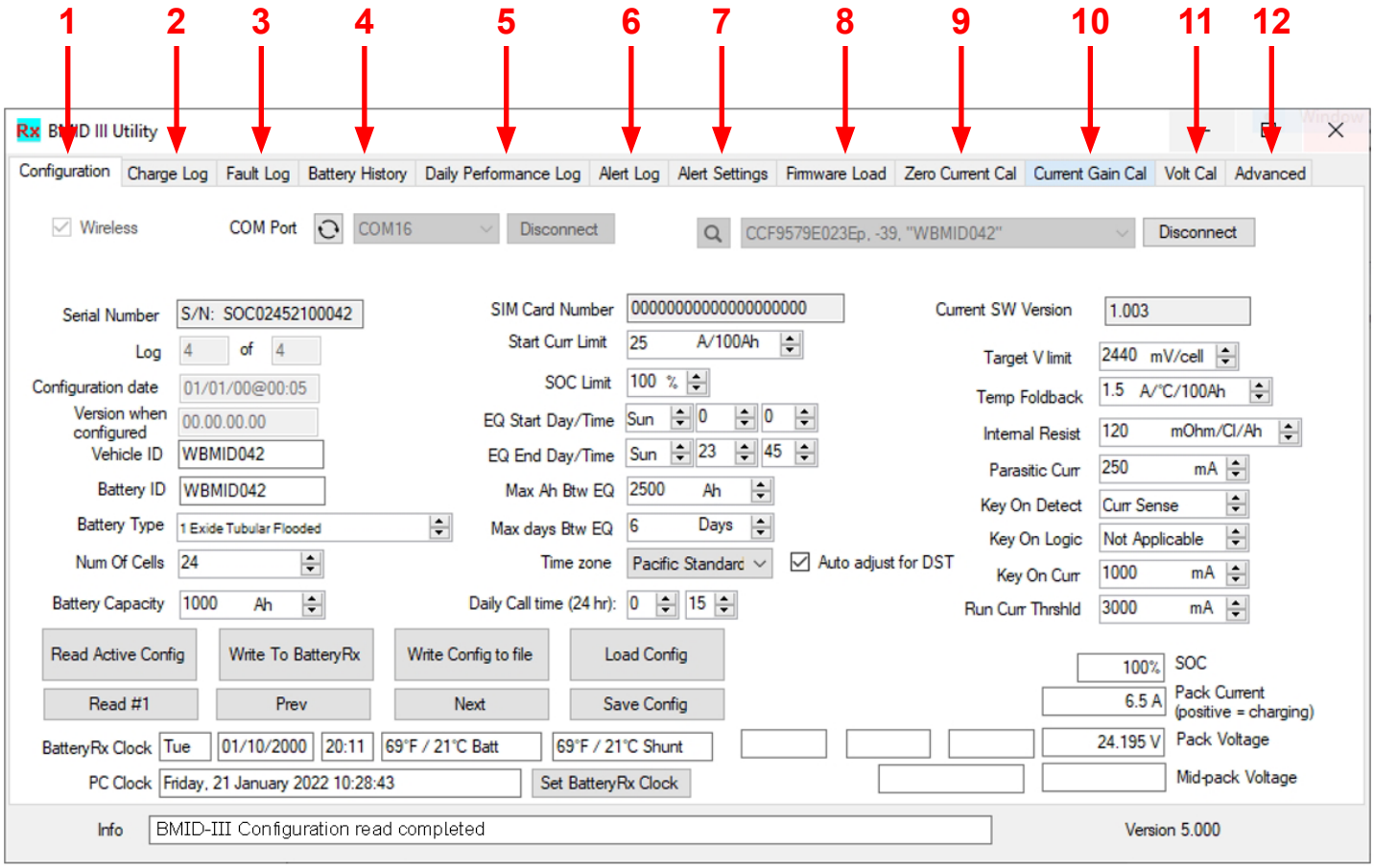
12. Wait another 10 or more seconds for the BMID application to begin running automatically – the BMID connection should still be active.



13. Select the **Configuration** tab and confirm the software version matches what was just loaded. The installation process for the dongle is now complete.



Summary of Battery Rx Utility Features



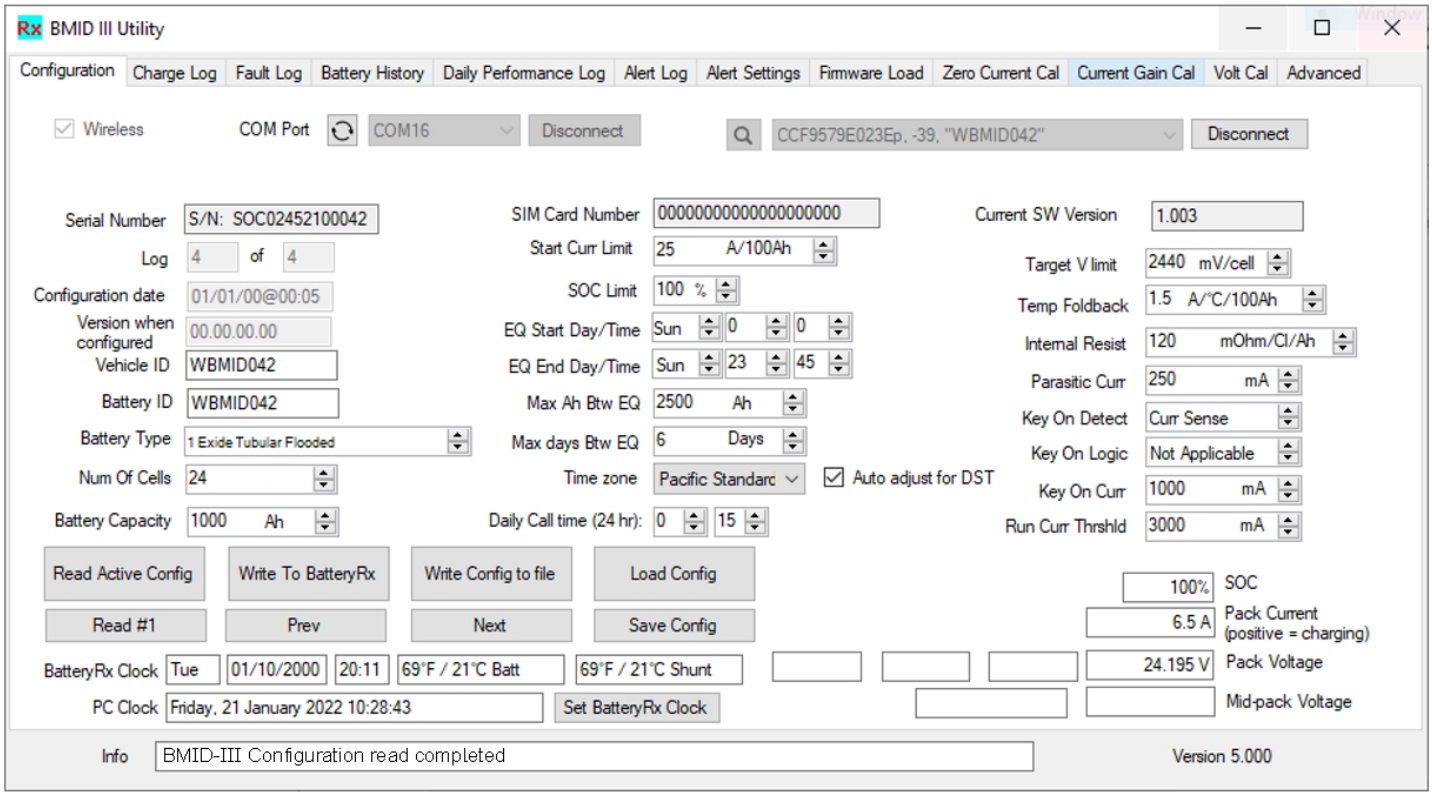
Battery Utility Interface

Battery Rx Utility tool has features that program, collect information and load firmware to the unit.

1. Configuration - Set the Rx parameters
2. Charge Logs - Download and view the Charge Logs
3. Fault Logs - Download and view charger Fault Logs
4. Battery History - Download and view the History Logs
5. Daily Performance Logs - Download and view the Daily Logs
6. Alert Logs - Download and view the BatteryRx Alert Logs
7. Alert Settings - Set the Rx Alerts thresholds
8. Firmware Load – Load new Firmware
9. Set zero current calibration
10. Calibrate current sensor
11. Calibrate pack and mid-pack voltage sensors
12. Advanced features
    a. BatteryRx Cloning
    b. BatteryRx Clear logs
    c. Generate BRAT data file

Rx Configuration Programming Instructions Using the Utility

On the Configuration Tab, set the following parameters:



BMID III Programming Utility

See the next page for the parameters.

ITEM	What to Enter
1. Vehicle ID:	Enter an 8-Character (Alphanumeric) Vehicle ID #.
2. Battery ID:	Enter an 8-Character (Alphanumeric) Battery ID #.
3. Battery Type:	Choose the battery type (2500 charger has 3 optional battery types).
4. Battery Number of Cells:	Enter the number of cells of the battery.
5. Battery Capacity:	Enter the battery capacity.
6. Start Current Limit:	Recommend leaving default value (40A/100Ahs).
7. SOC Limit:	Recommend leaving default value (100%).
8. EQ Start Day/Time:	Enter the Equalization Start Day and Time.
9. EQ End Day/Time:	Enter the Equalization End Day and Time.
10. Max Ah Btw EQ:	Enter dash lines (-) at EQ Start Day to activate this option.
11. Max days Btw EQ:	Enter dash lines (-) at EQ Start Day to activate this option.
12. Time Zone:	Choose the Time Zone.
13. Daily Call Time (24 hr):	Set the Call Time (Recommended 00:15).
14. Target V Limit:	Leave as default (3000 mv/cell).
15. Temperature Foldback:	Recommend leaving default value (1.5 A/C/100Ahs).
16. Internal Resist:	Leave as default (120 mOhm).
17. Parasitic Current:	Leave as default (250 mA).
18. Key on Detect:	Leave as default (Curr Sense).
19. Key on Logic:	Leave as default (Not Applicable).
20. Key On Curr:	Leave as default (500 mA).
21. Run Curr Thrshld:	Leave as default (2000 mA).
22. Set Clock:	Click “Set Clock” - Syncs the Rx Unit time to the PC Clock.
23. Select **Write to BatteryRx** to store the new configuration.	

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