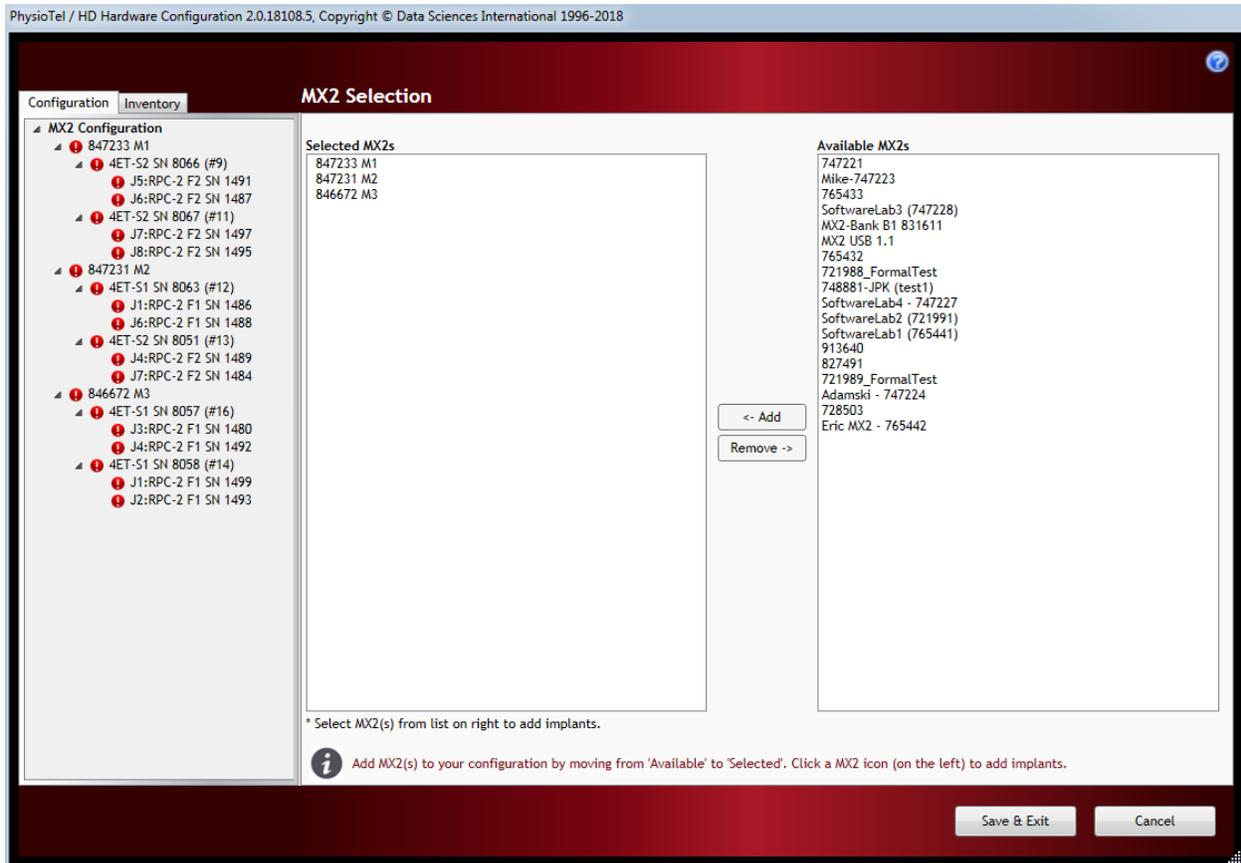


# 4ET IMPLANT BATTERY CALIBRATION SETTINGS

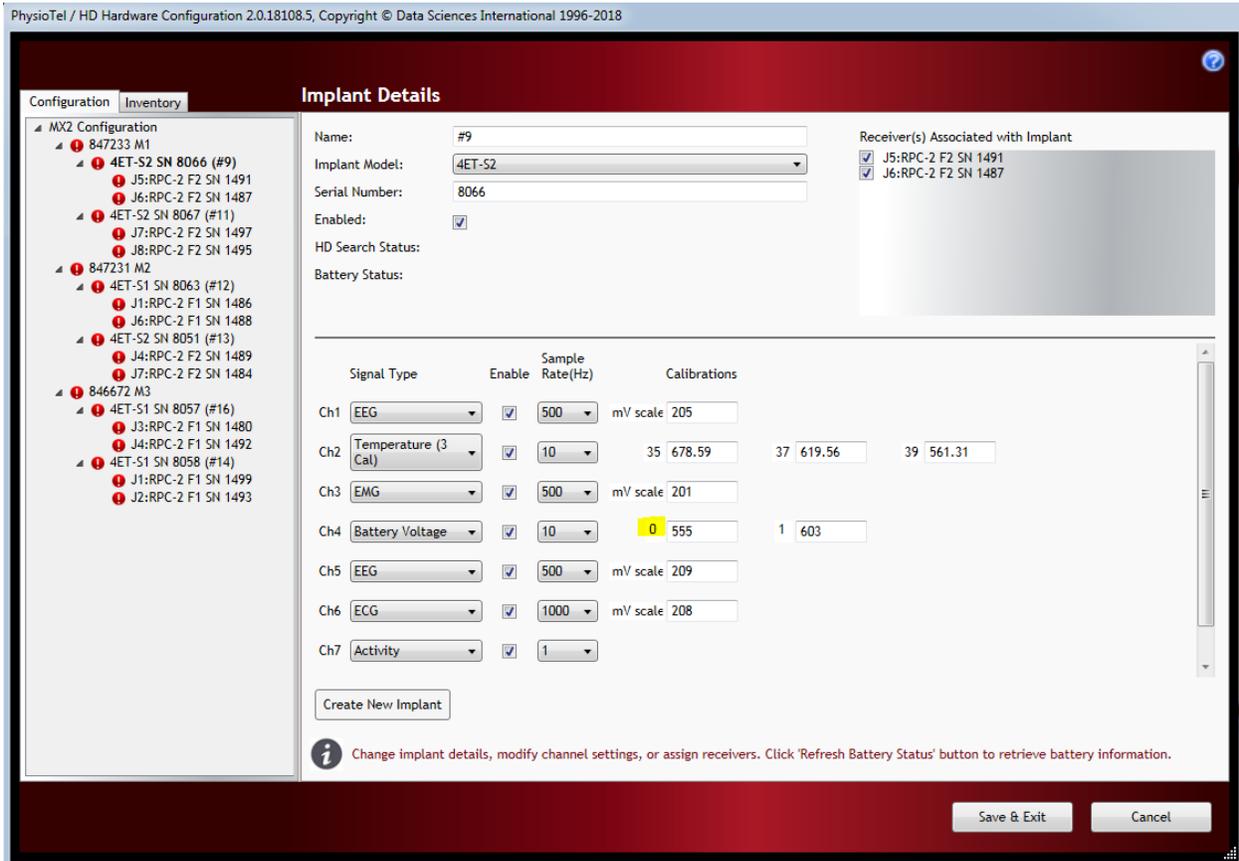
When using the 4ET implants, many researchers monitor the implant battery voltage using Ponemah’s display features to determine when the voltage level is low enough to require replacing the transmitter module. To obtain accurate battery voltage measurements, the calibration values located on the back of the transmitter packaging are entered in the PhysioTel/ HD Hardware Configuration dialog.

To enter the battery voltage calibration values:

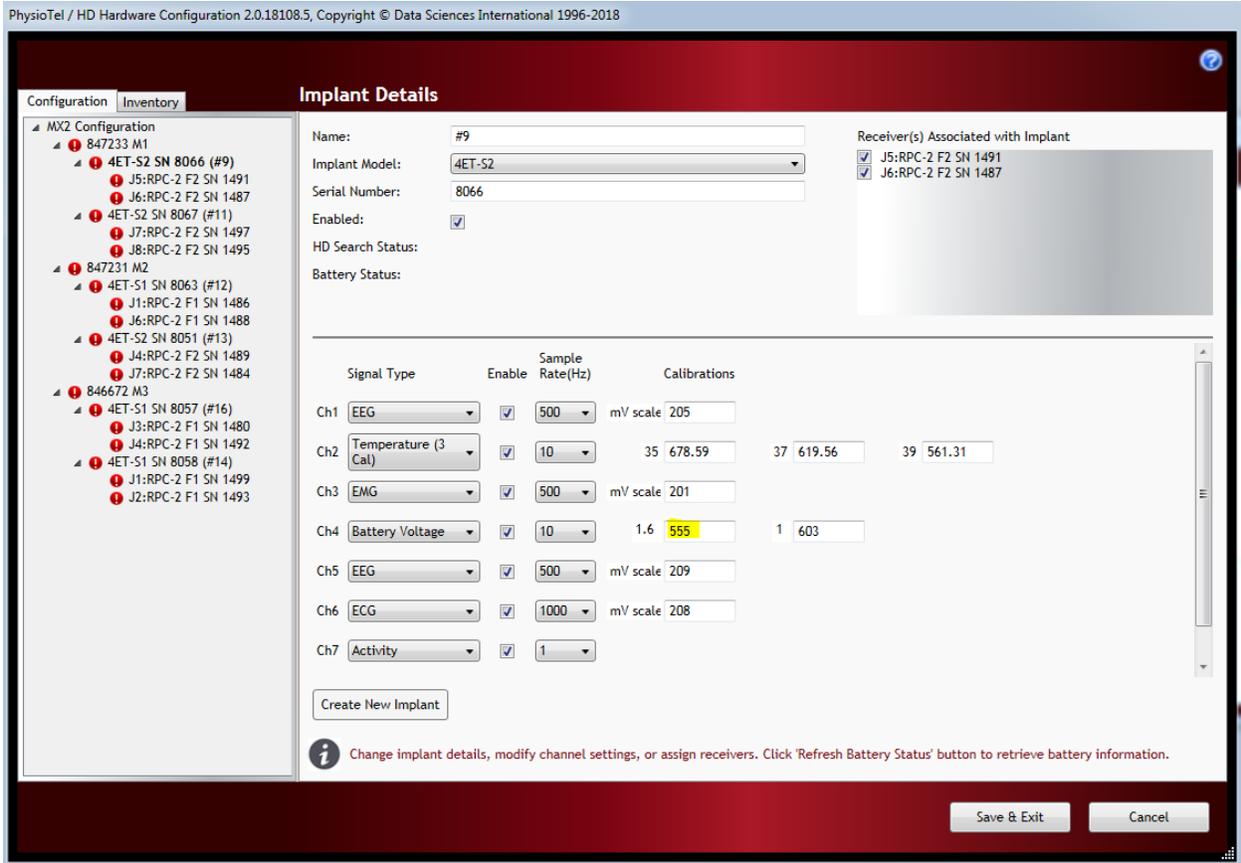
1. Select **Hardware | Edit PhysioTel / HD (MX2) Configuration...**  
The PhysioTel / HD Hardware Configuration menu will open.



2. Select the 4ET device from the tree view on the left to display the *Implant Details*.



3. Double-click on the Battery Voltage **0** field highlighted above and enter the low voltage value from the 4ET calibration information on the implant package. This is typically **1.6** volts.
4. Enter the calibration value for the 1.6v reading into the calibration field.



- Repeat this process for the high voltage calibration by double-clicking on the **1**. Enter the high voltage value. This is typically **1.8** volts.
- Ensure the battery voltage channel is activated; i.e. checked. If it is not checked, click on the checkbox as shown below.

PhysioTel / HD Hardware Configuration 2.0.18108.5, Copyright © Data Sciences International 1996-2018

Configuration
Inventory

**MX2 Configuration**

- ▲ 847233 M1
  - 4ET-S2 SN 8066 (#9)
    - J5:RPC-2 F2 SN 1491
    - J6:RPC-2 F2 SN 1487
  - 4ET-S2 SN 8067 (#11)
    - J7:RPC-2 F2 SN 1497
    - J8:RPC-2 F2 SN 1495
- ▲ 847231 M2
  - 4ET-S1 SN 8063 (#12)
    - J1:RPC-2 F1 SN 1486
    - J6:RPC-2 F1 SN 1488
  - 4ET-S2 SN 8051 (#13)
    - J4:RPC-2 F2 SN 1489
    - J7:RPC-2 F2 SN 1484
- ▲ 846672 M3
  - 4ET-S1 SN 8057 (#16)
    - J3:RPC-2 F1 SN 1480
    - J4:RPC-2 F1 SN 1492
  - 4ET-S1 SN 8058 (#14)
    - J1:RPC-2 F1 SN 1499
    - J2:RPC-2 F1 SN 1493

### Implant Details

Name:

Implant Model:

Serial Number:

Enabled:

HD Search Status:

Battery Status:

Receiver(s) Associated with Implant

- J5:RPC-2 F2 SN 1491
- J6:RPC-2 F2 SN 1487

Signal Type	Enable	Sample Rate(Hz)	Calibrations		
Ch1 EEG	<input checked="" type="checkbox"/>	500	mV scale	205	
Ch2 Temperature (3 Cal)	<input checked="" type="checkbox"/>	10	35	678.59	37 619.56 39 561.31
Ch3 EMG	<input checked="" type="checkbox"/>	500	mV scale	201	
Ch4 Battery Voltage	<input checked="" type="checkbox"/>	10	1.6	555	1 603
Ch5 EEG	<input checked="" type="checkbox"/>	500	mV scale	209	
Ch6 ECG	<input checked="" type="checkbox"/>	1000	mV scale	208	
Ch7 Activity	<input checked="" type="checkbox"/>	1			

Create New Implant

Change implant details, modify channel settings, or assign receivers. Click 'Refresh Battery Status' button to retrieve battery information.

7. Repeat this process for each additional implant.
8. After entering the calibration information for all configured implants, click **Save and Exit**.

This process will provide you with accurate battery voltage information that can be displayed using Ponemah graphs or the Digital Displays.