

Application Note AN010

Configuring the Hub 2 Meter

Overview

Hub 2 comes with a custom Eastron SDM230-NMI-2 power meter ("Hub 2 Meter") for measuring energy flows to and from the battery system. Hub 2 expects the Hub 2 Meter to be set to its default Modbus address of 1 and baud rate of 19,200 bps.

This application notes describes the step for checking and/or updating the Modbus address and baud rate of the Hub 2 Meter to the correct values in case the values are not as expected.

Compatible Models

- Levelise Hub 2
- Hub 2 Meter (Easton SDM230-NMI-2 meter - supplied with Hub 2)

Quick Summary for Experienced Users

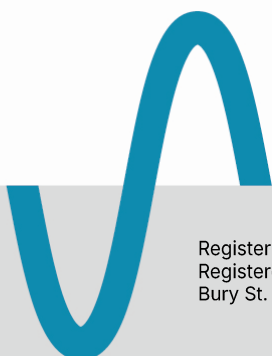
If you're confident working with the control interface on the front panel of the Eastron SDM230 class of meters, check/update the Modbus address and baud rate settings to match the values in the table below. Change them to the correct values, if necessary:

Setting	Value
Modbus Address	1
Baud Rate	19200



Detailed Step-by-Step Guide

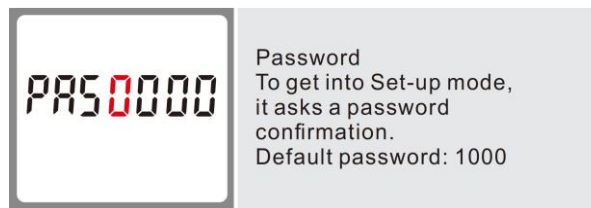
1. Energise the Hub 2 Meter

- Ensure the circuit to which the meter is connected is energised and that the meter is on (After initialisation and self-checking is complete the Hub Meter will display the current settings then display the total kWh)



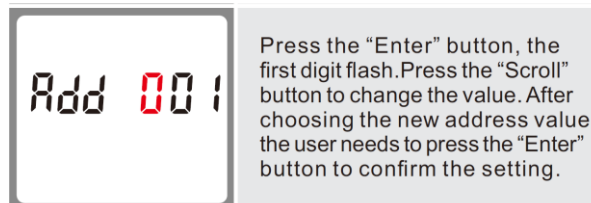
2. Enter Set-up Mode on the Hub 2 Meter

- Press and hold the "Enter" button  for 2 seconds;
- Press the "Scroll" button  once to input the password: "1000"; and
- Press and hold the Enter button for 2 seconds to set the value





3. Set the Hub 2 Meter Modbus address to "001"

- Press and hold the Enter button for 2 seconds to edit the value;
- Press the Enter button a further two times to advance to the third digit;
- Press the Scroll button once to change to address 001; and
- Press the Enter button for 2 seconds to set the value.



4. Set the Hub 2 Meter baud rate to "19.2" kbps

- Press the Scroll button once more to advance to the Baud Rate screen;
- Press and hold the Enter button for 2 seconds to edit the value;
- Press the Scroll button until the baud rate displays "19.2"; and
- Press the Enter button for 2 seconds to set the value.

	<p>Baud rate for Modbus Default value: 2400bps Range: 1200, 2400, 4800, 9600bps. Baud rate for Mbus: Default value: 2400bps Range: 300, 600, 1200, 2400, 4800, 9600bps.</p>
	<p>Press the "Enter" button, the red digit flash. Press the "Scroll" button to change the value. After choosing the new baud rate, the user needs to press the "Enter" button to confirm the setting.</p>

5. Set up is complete. Thank you!

