User Guide for Modbus Configuration Tool

AUG-2020

Daviteq Modbus Configuration Tool

HW Ver.	Release Date
1.0	NOV-2019
1.4	OCT-2020
2.03	DEC-2021

1. Install Tool

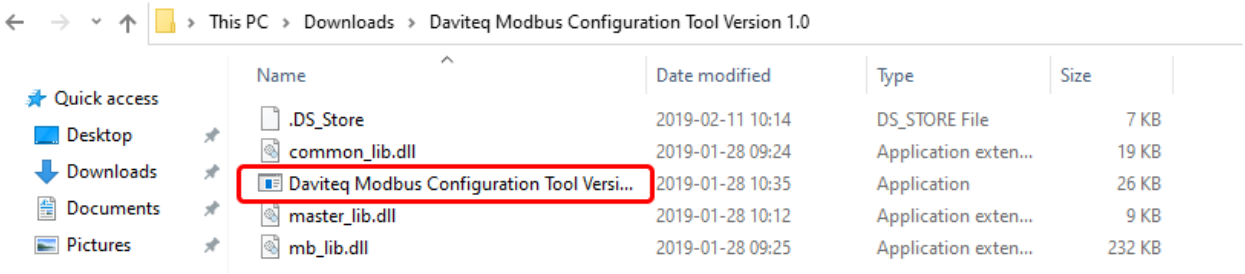
1.1 Download Tool

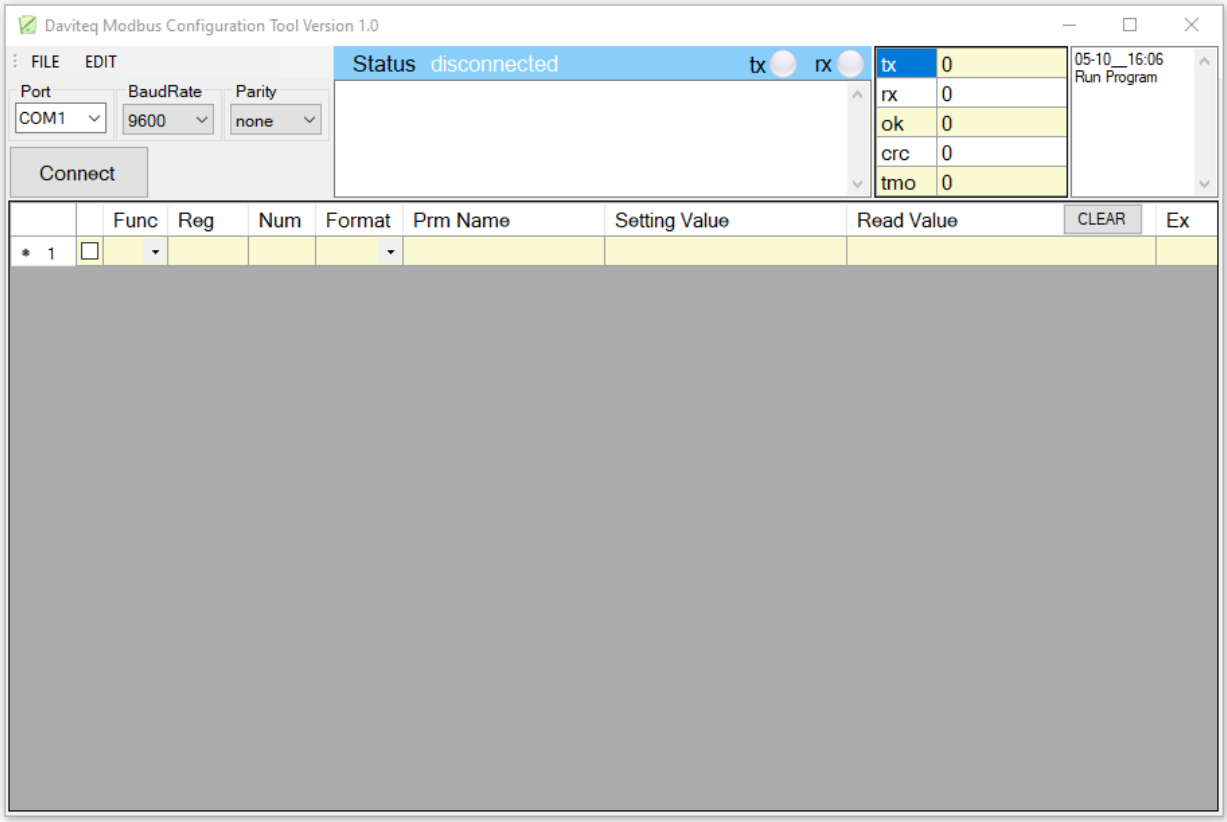
Install the Modbus Configuration Software in the link below

https://filerun.daviteq.com/wl/?id=yDOjE5d6kqFlGNVVlMdFg19Aad6aw0Hs

2.2 Running Tool

After unzip file, open the folder and run the application (**Daviteq Modbus Configuration Tool Version**).





2. Configuration

2.1 Connection

Step 1: Connect the configuration cable to the PC and Modbus device.

USB-RS485 CONFIGURATION CABLE



STHC-ISG02DB-WS433-CL-04-H8.PNG

CONNECT RS485 - CONFIGURATION
TO COMPUTER via USB



STHC-ISG02DB-WS433-CL-04-H13.PNG

SUPPLY POWER 12-24VDC



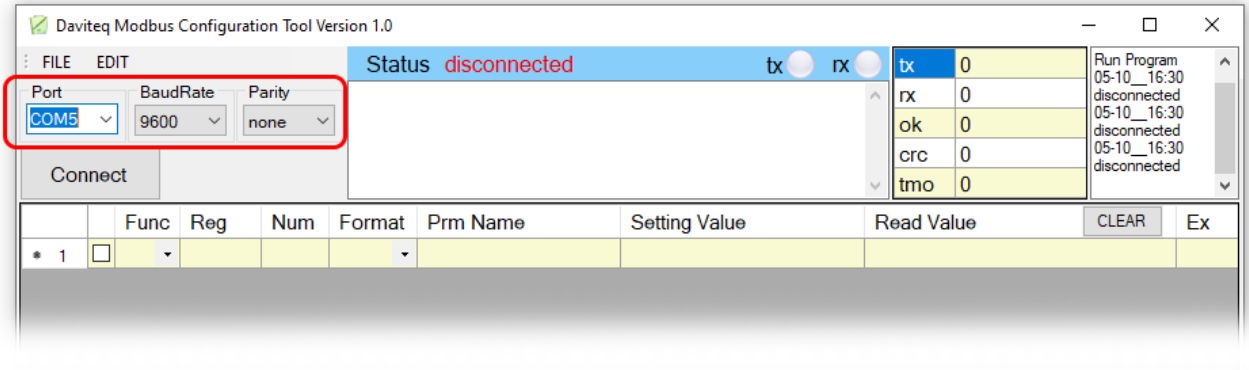
STHC-ISG02DB-WS433-CL-04-H11.PNG

CONNECT TO RS485 - CONFIGURATION CABLE via M12 CONNECTOR



STHC-ISG02DB-WS433-CL-04-H12.PNG

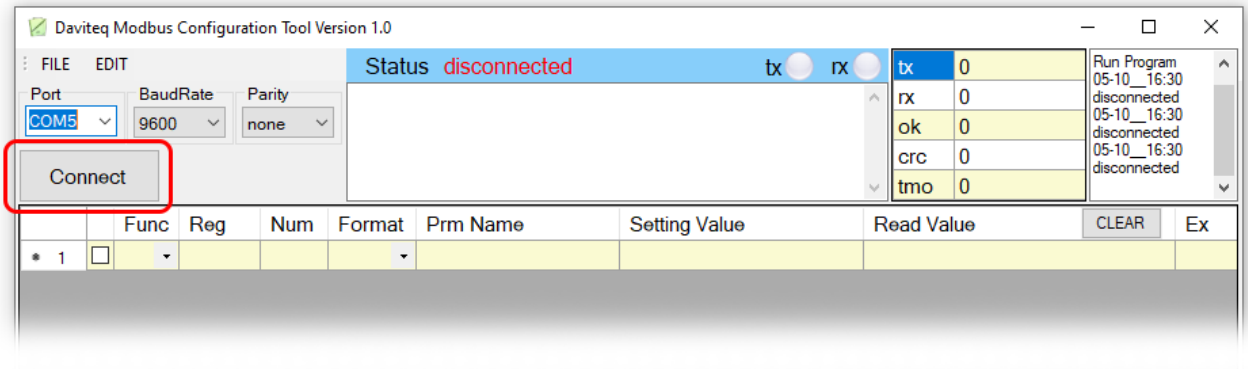
Step 2: Choose **COM Port** (the Port which is USB cable plugged in). Set the**BaudRate: 9600, Parity: none**

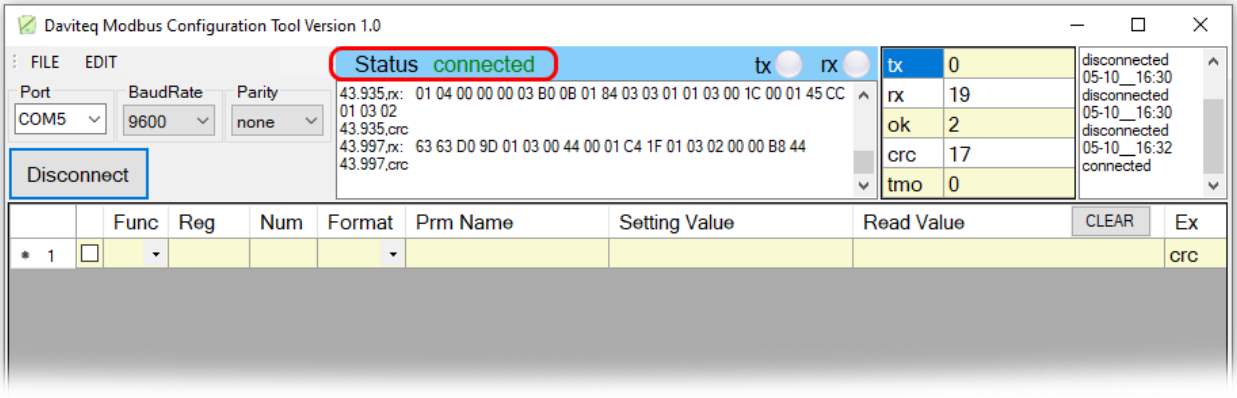


If you don't see any COM port in the list, please download the following driver and install

Modbus Configuration Cable COM port driver for PC
How to install driver

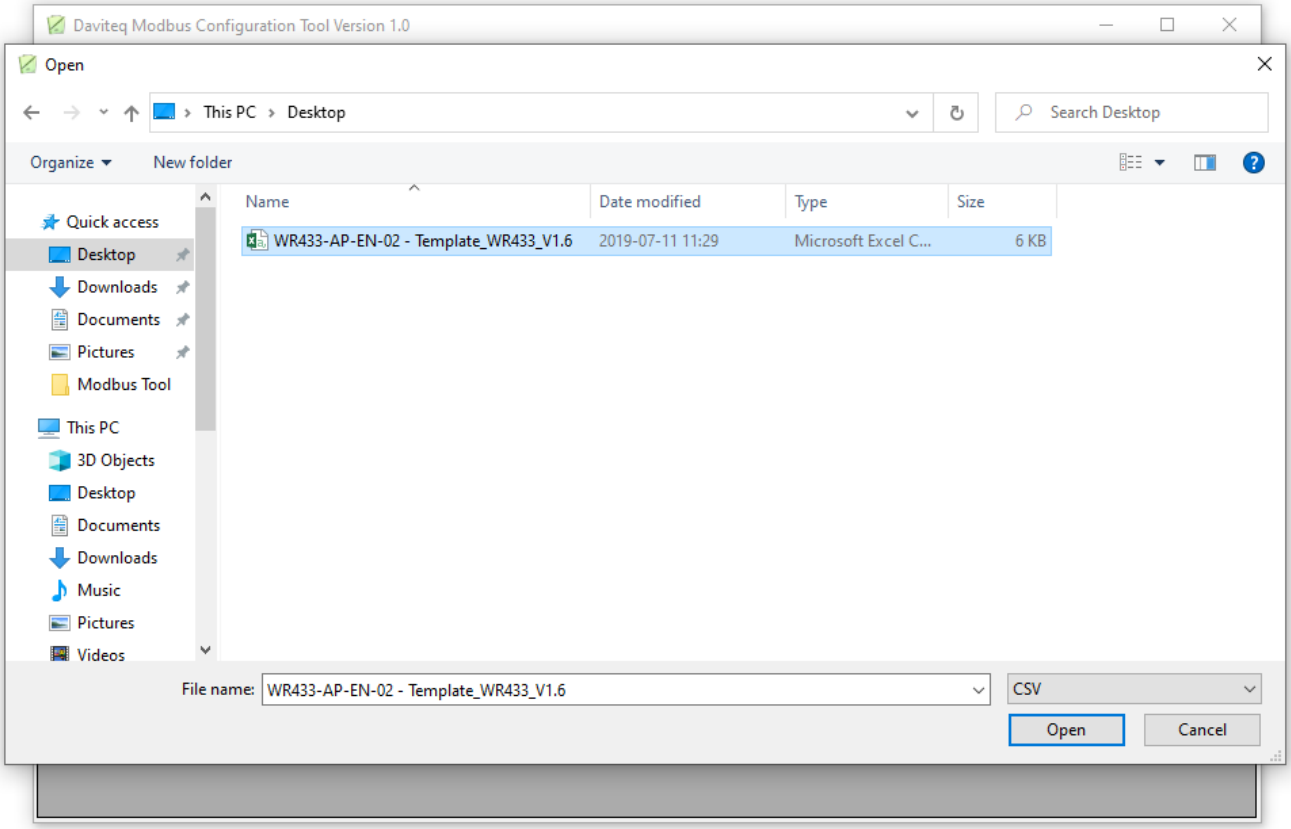
Step 3: Click " **Connect** " untill the Status displays "**disconnected**" to "**connected**". It means the Modbus device is being connected with computer;

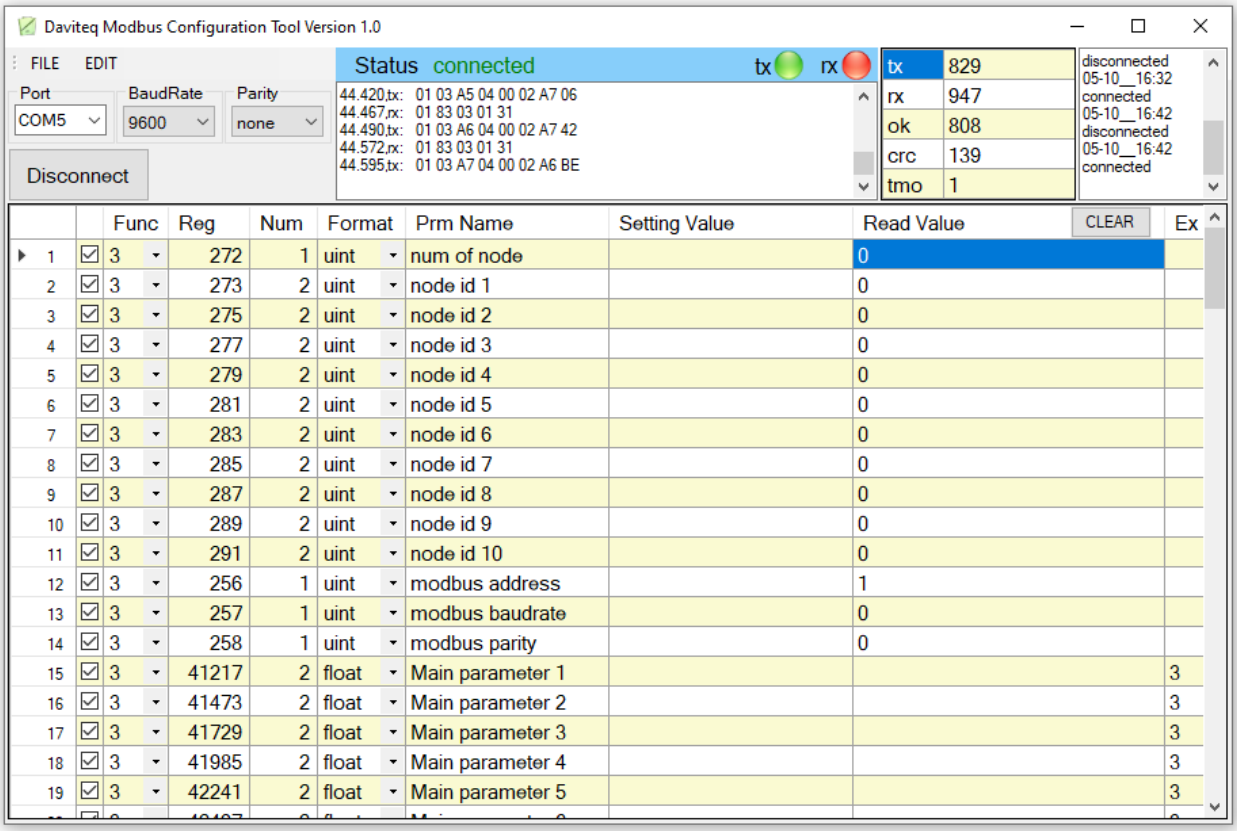




Step 4: Import the configuration file for Modbus Device by importing the csv file: Go to MENU: FILE / Import New / Then select the template file.

Example: We import template file of Wireless Co-ordinator WR433-AP-EN-02 - Template_WR433_V1.6.csv





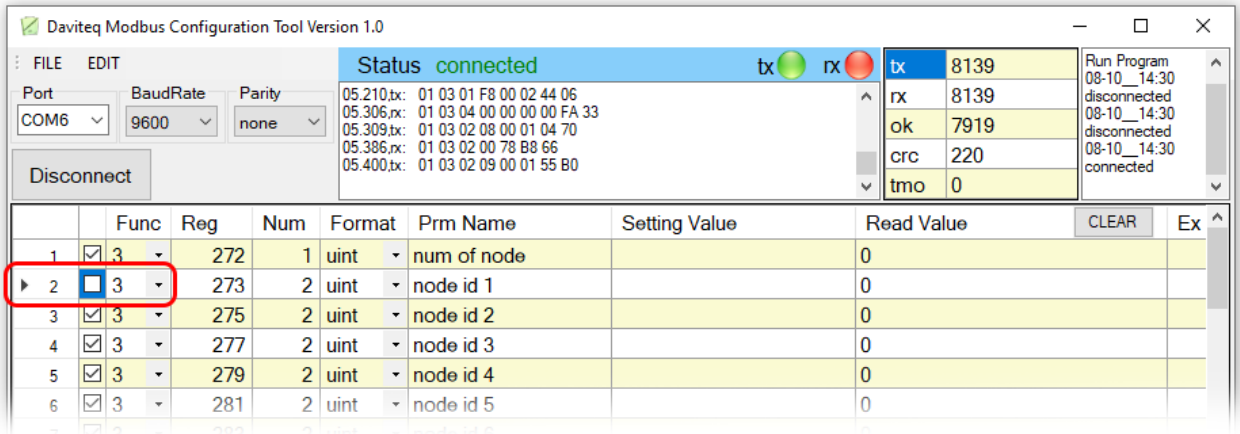
There are 3 Function:

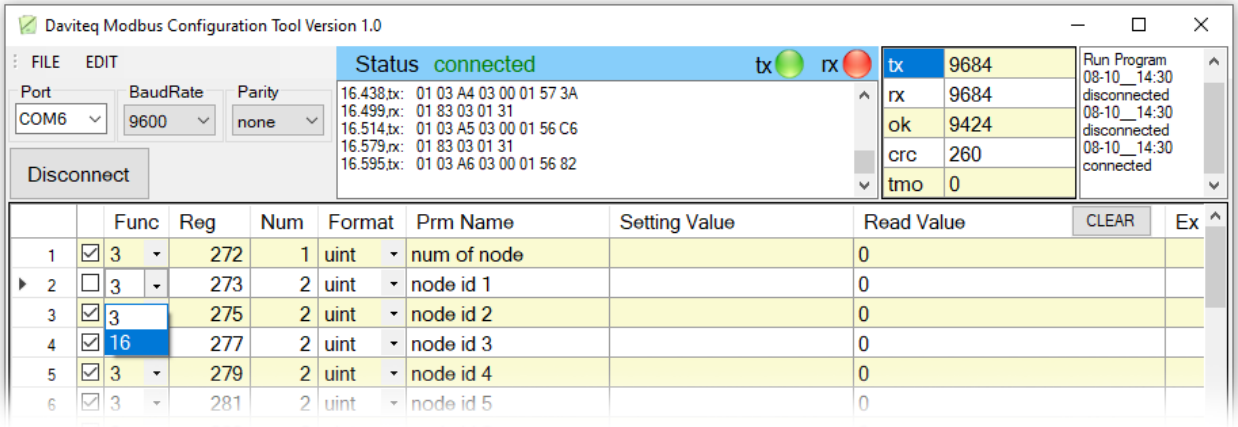
- Function **3**: Read holding registers
- Function **4**: Read input registers
- Function **16**: Preset Multiple registers

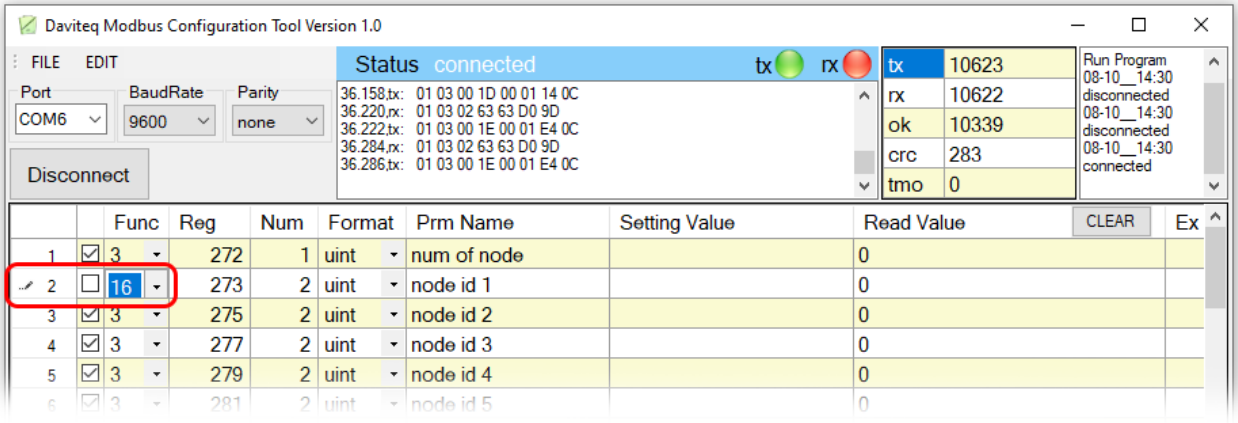
2.1 Write Value into Modbus Device with Function 16

Example: We change the value **Node id 1** from **0** to **12345678** using Func 16.

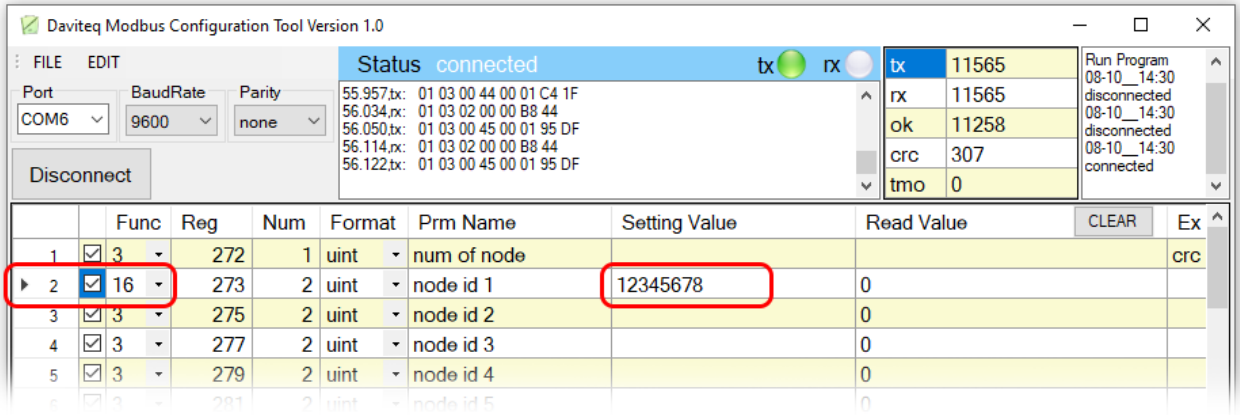
Step 1: Uncheck Func 3, then Click on the arrow and change Func from **3** to **16;**



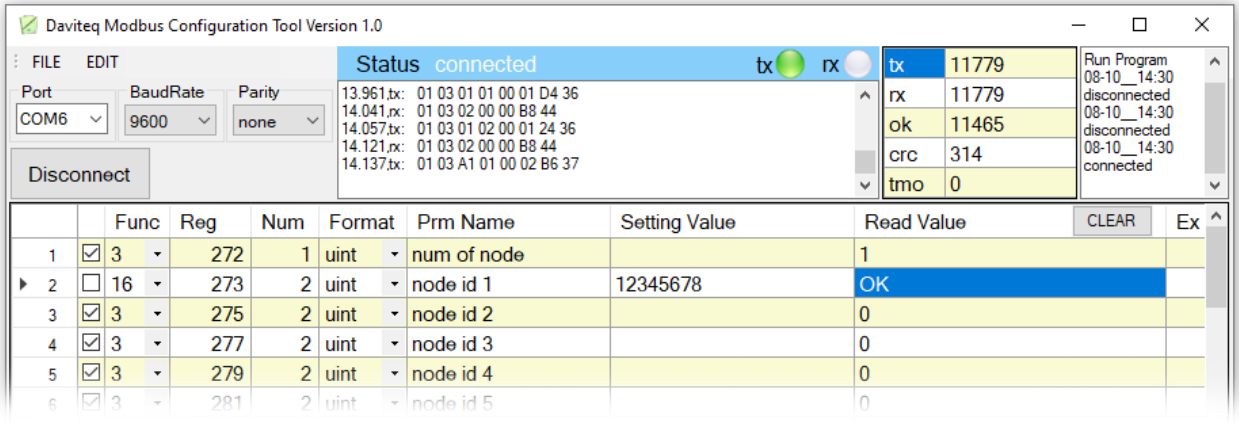




Step 2: Type in **Setting Value** the **Node id 1**, then check the Func 16 box.



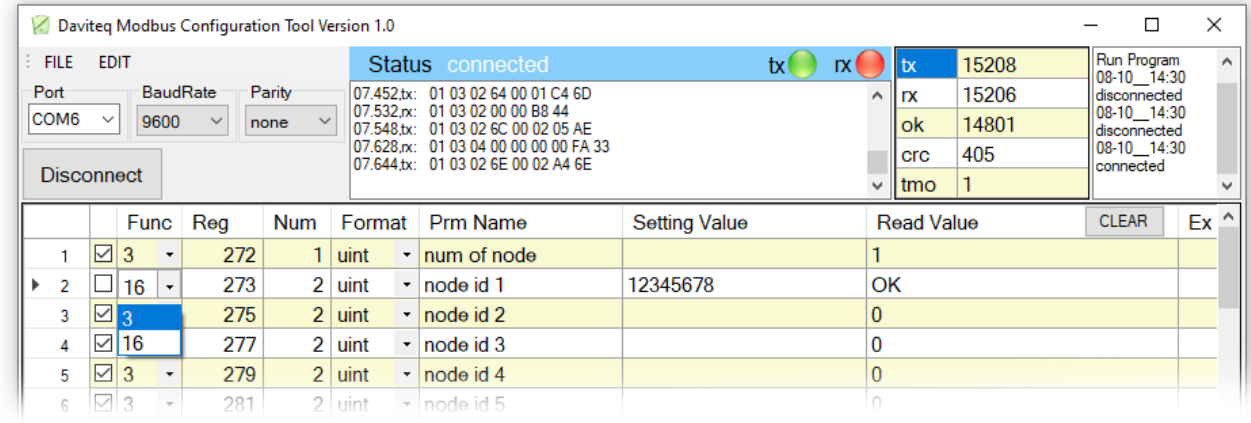
if **Read Value** show **OK** which mean it's wrote successful.



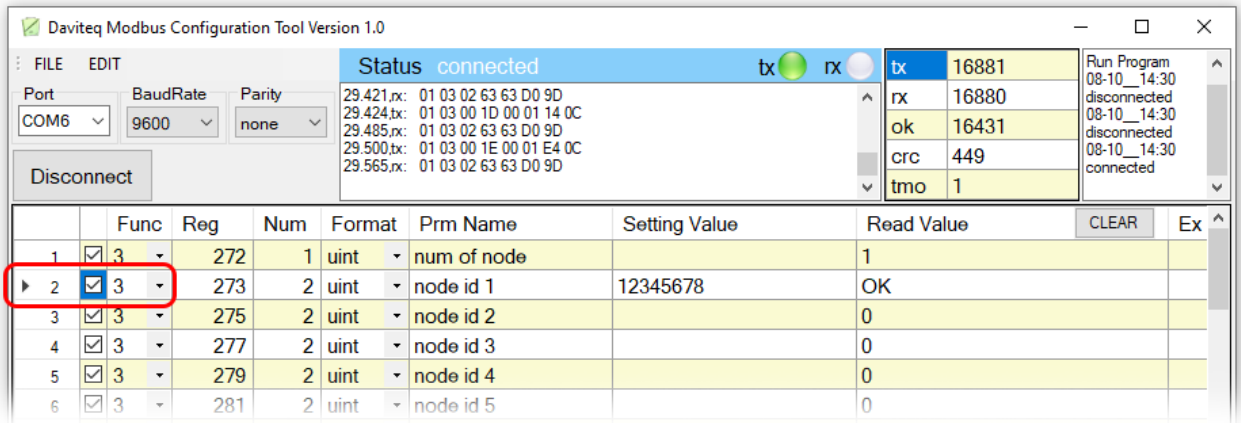
2.1 Read Value from Modbus Device with Function 3

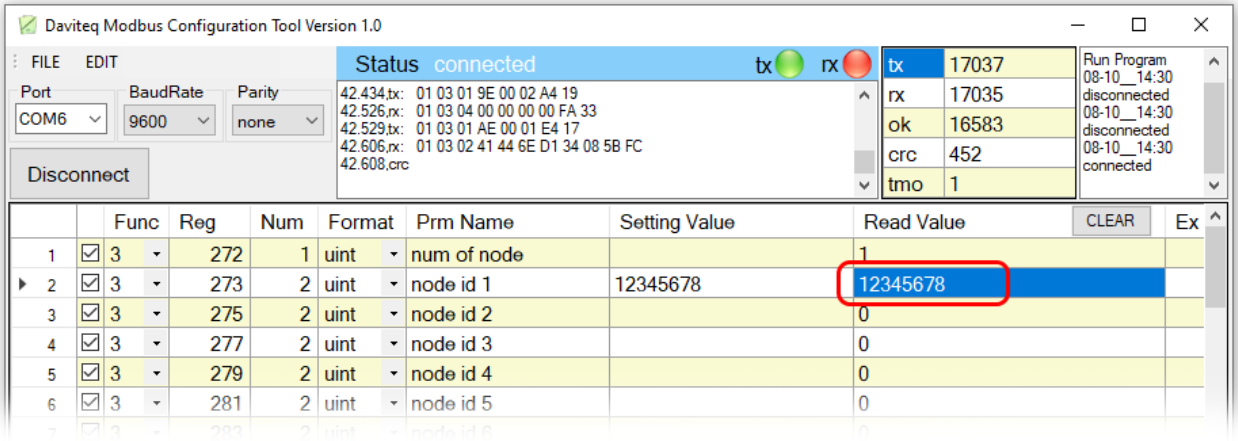
After writing the value, we will check the value entered with Func 3.**Func 3** is used to read holding registers.

Step 1: Click on the arrow and change Func from**16** to **3.**



Step 2: Check the box of Func 3. If it shows that the value in**Read Value** is the same as the value entered, it means that the data entered was successful.





3. Troubleshooting

No.	Phenomena	Reason	Solutions
1	Cannot connect to software	• The COM port selected is incorrect. • Modbus cannot be connected to the device.	• Check Modbus connection • Select the correct COM port to which the configuration cable connects to the computer
2	COM port does not appear in the select list	• Have not updated window to the latest version • Driver not installed	• Update to the latest version for window • Install driver for PC
3	Cannot see any register on software	The template file has not been imported	Go to File/Import New to import the template file
4	See registers that do not match the memmap table of the device rs485 or sensor is configuring	The template file imported incorrectly	Go to the correct manual page of the product configuring and download the template file, then import the template file into the software

4. Support contacts

Manufacturer

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Revision #11
Created Mon, Oct 5, 2020 2:01 AM by Kiệt Anh Nguyễn
Updated Sun, Dec 26, 2021 9:16 PM by Kiệt Anh Nguyễn