Installation & User Manual

marc Configuration Utility

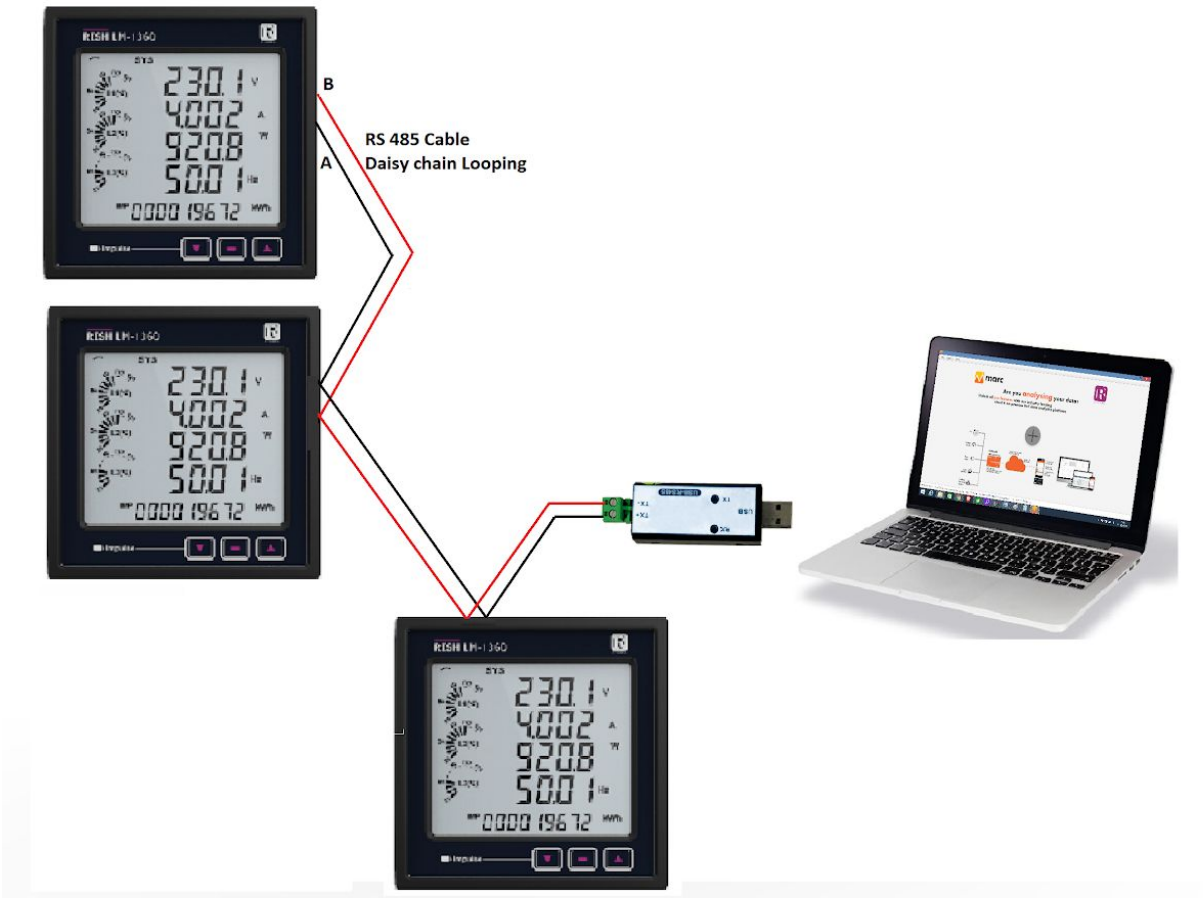
ESL Energy Solution Labs

RISHABH Group Company

marc Configuration Utility

Marc Configuration Utility is for Rishabh products for reading and programming devices.marc Configuration Utility works on two communication types, Serial and TCP/IP for a single device at a time. Both communication types have 2 operating modes each, read or write. In read operation you get only readable parameters(Measured Parameter) and in write operation users can programme the meter without using meter keys. This software is very effective and simple to use.

Network Architecture

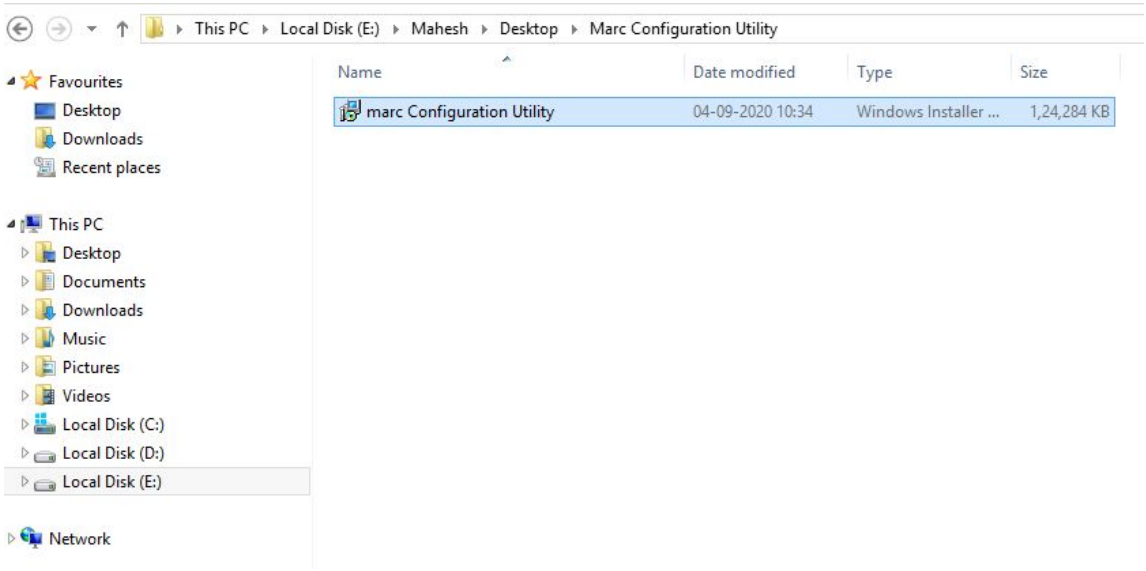


Index

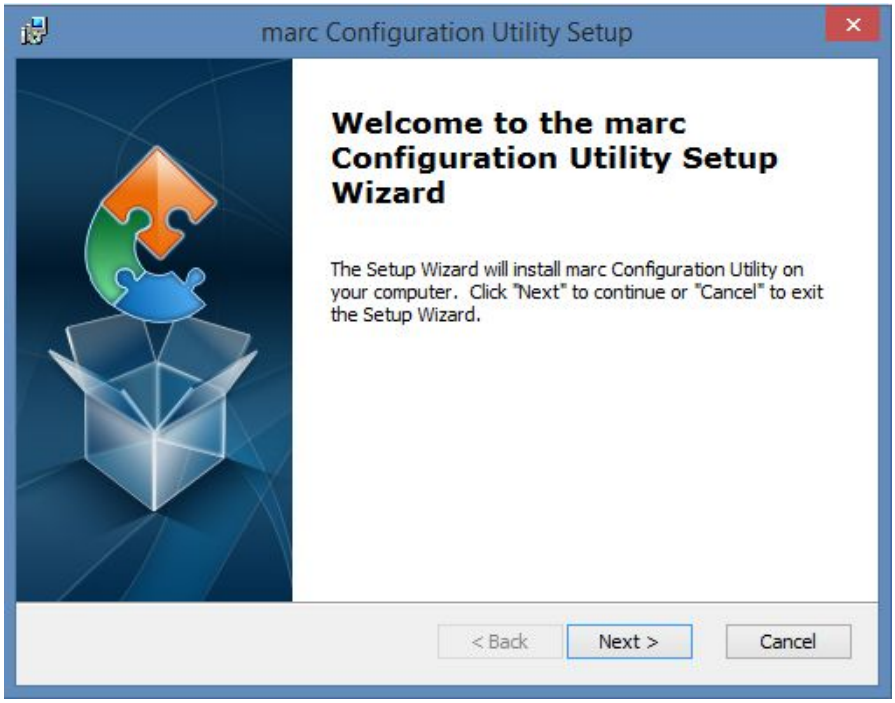
Title	Page Number
1. Installation of MARC Configuration Utility software	5
2. Update	8
2.1 Update Device List	8
2.2 Update Software	10
3. Operating Instructions	14
3.1 Read Operation	15
3.2 Write Operation	20

1. Installation Of MARC Configuration Utility Software

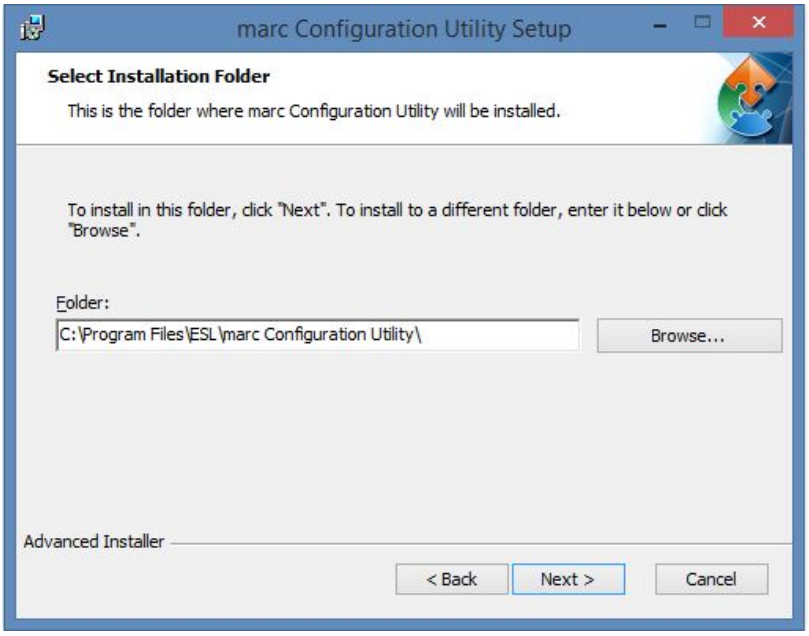
- Right click on Marc Configuration Utility and click on “install” Button.



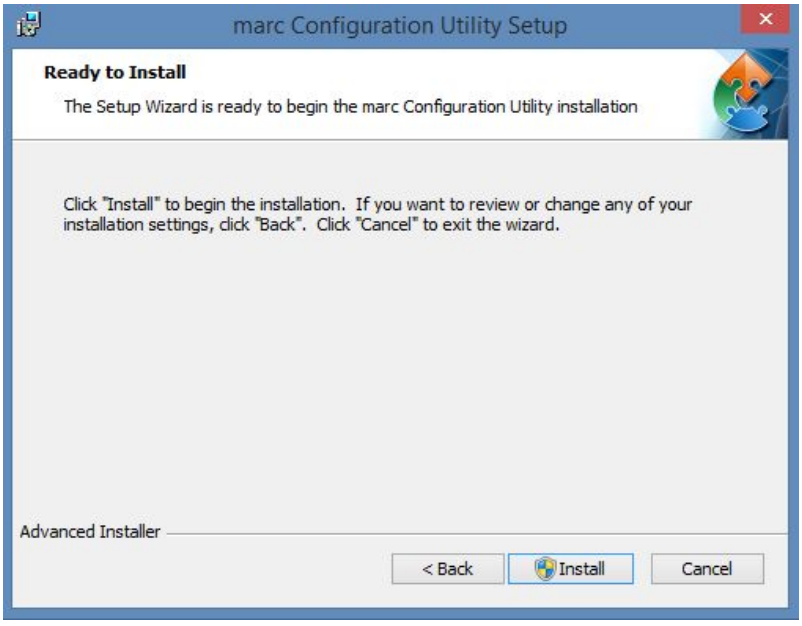
- Click on “Next>” Button .

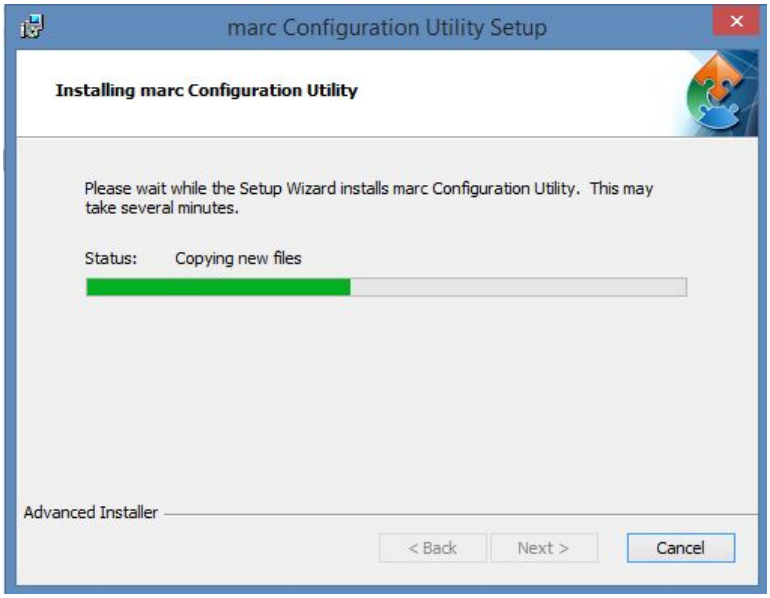


- Click on “Next>” Button

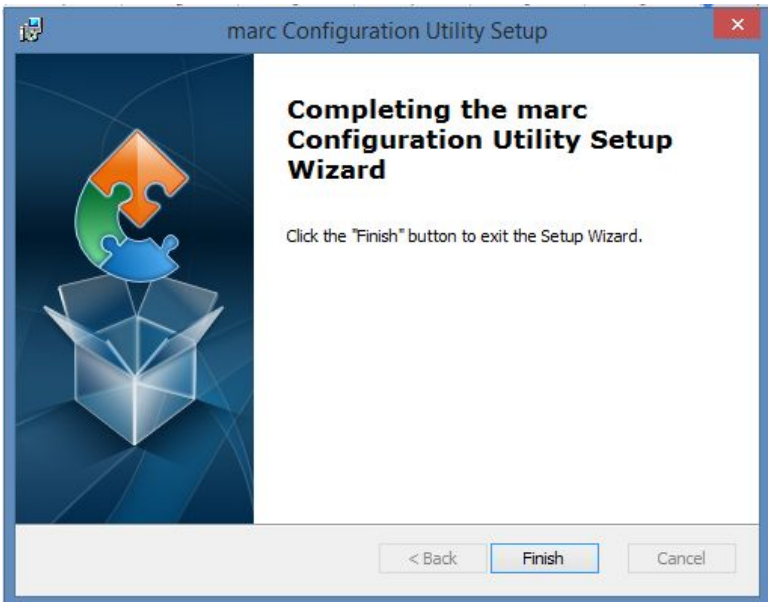


- Click on “Install” Button.





- Click on “Finish” Button



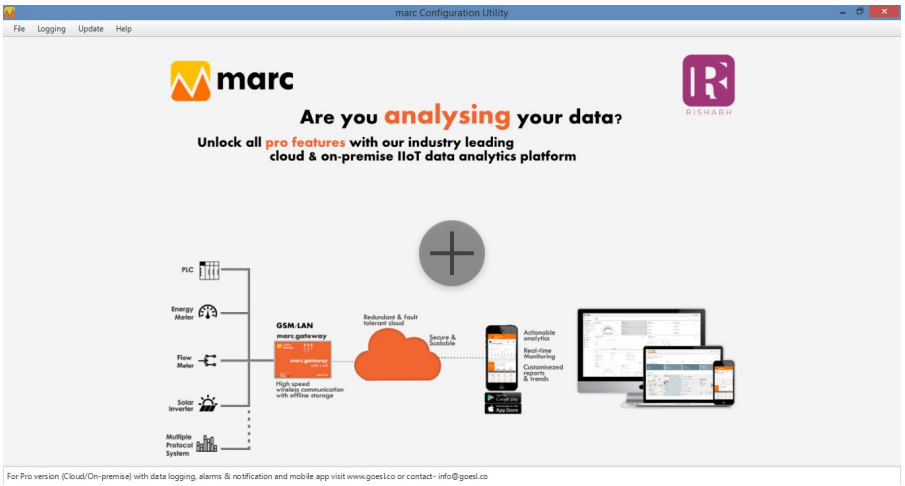
Note- After Installation & first use of marc Configuration utility , user has to update the marc Configuration utility software along with the list of devices as per following procedure. Users must have good internet connectivity.

2. Update

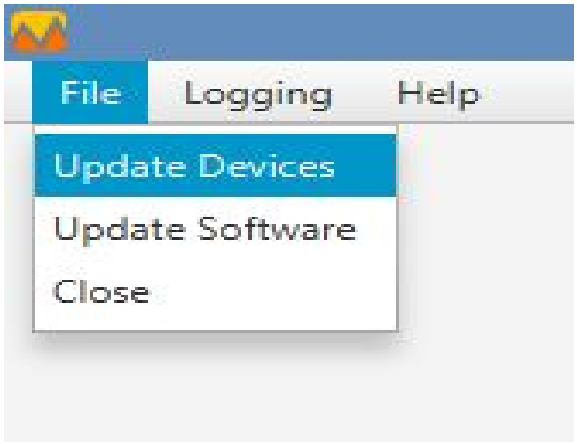
2.1 Update Device List

- “marc Configuration utility” icon gets created on the desktop. User has to open application as a“Run as administrator” by right clicking on “marc Configuration utility”

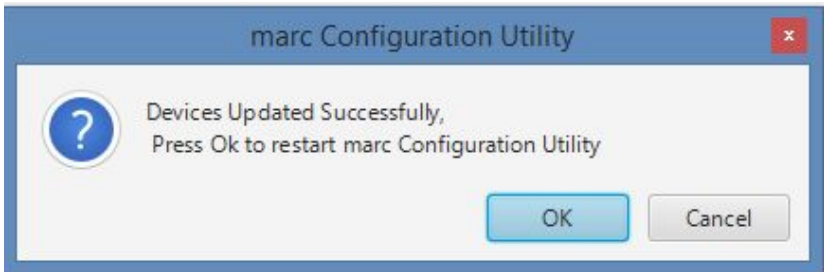
- Below the dashboard screen will appear.



- User gets updated device by going to “File” menu and click on “Update Devices”

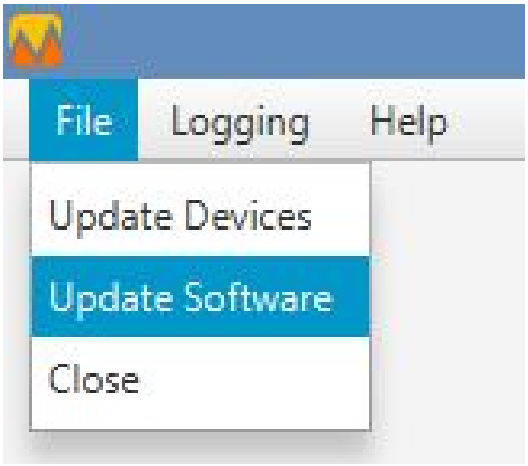


- Click on “ok” Button. All new devices will be updated.

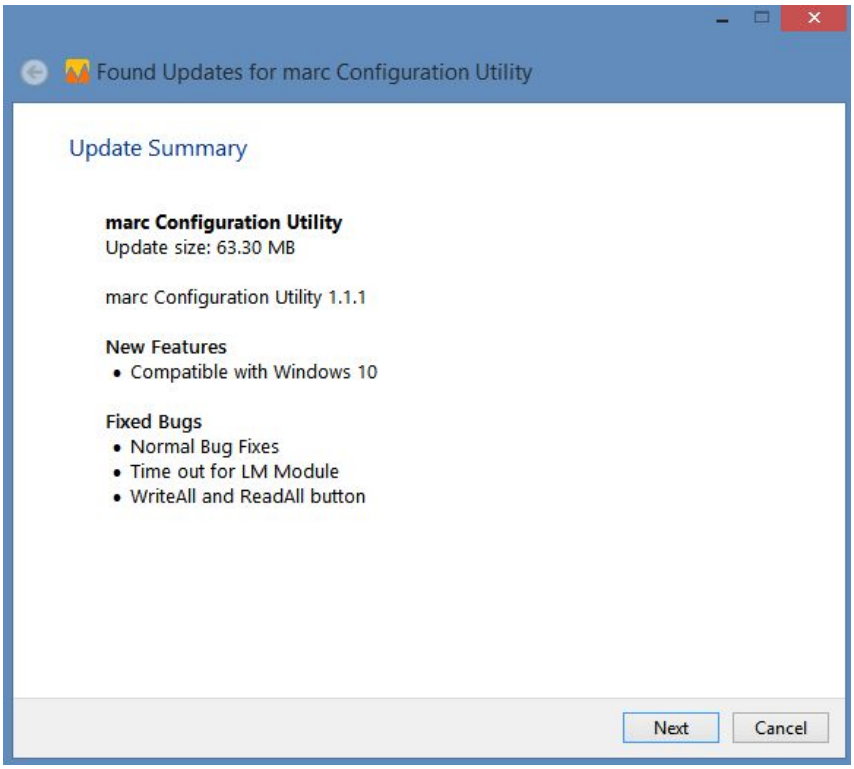


2.2 Update Software

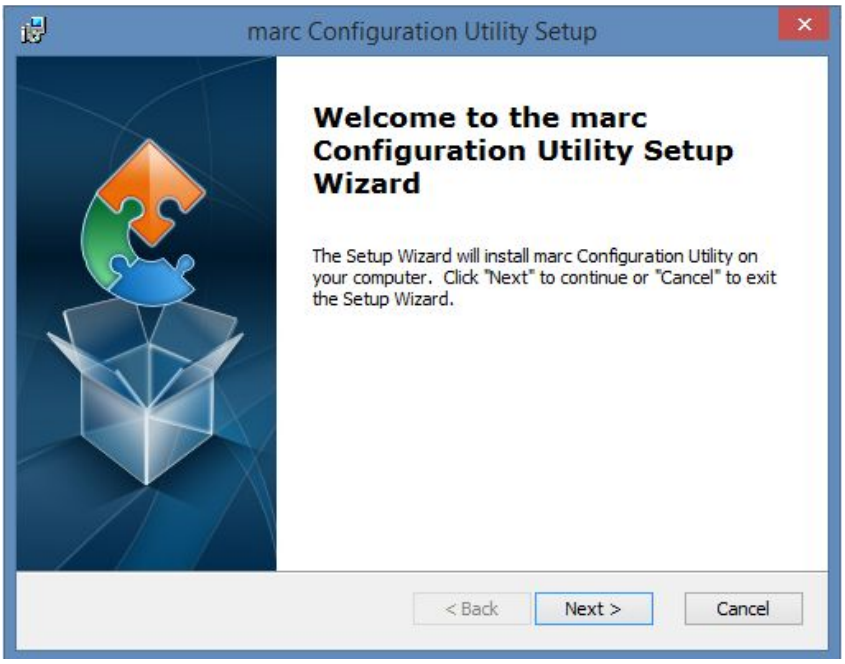
- User can update the software by going to “File” menu and “Update Software”.



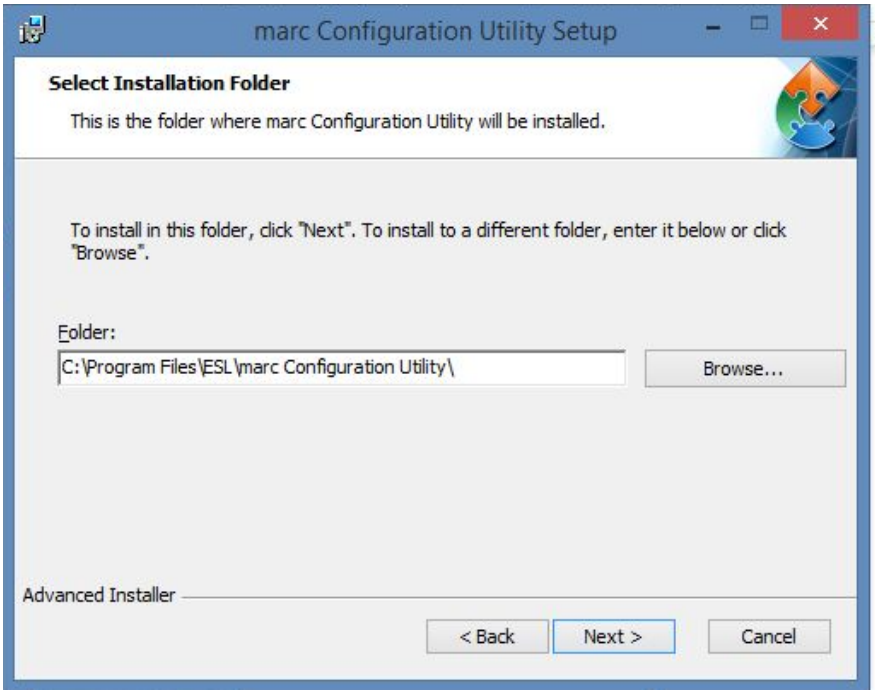
- Click on “Next” Button



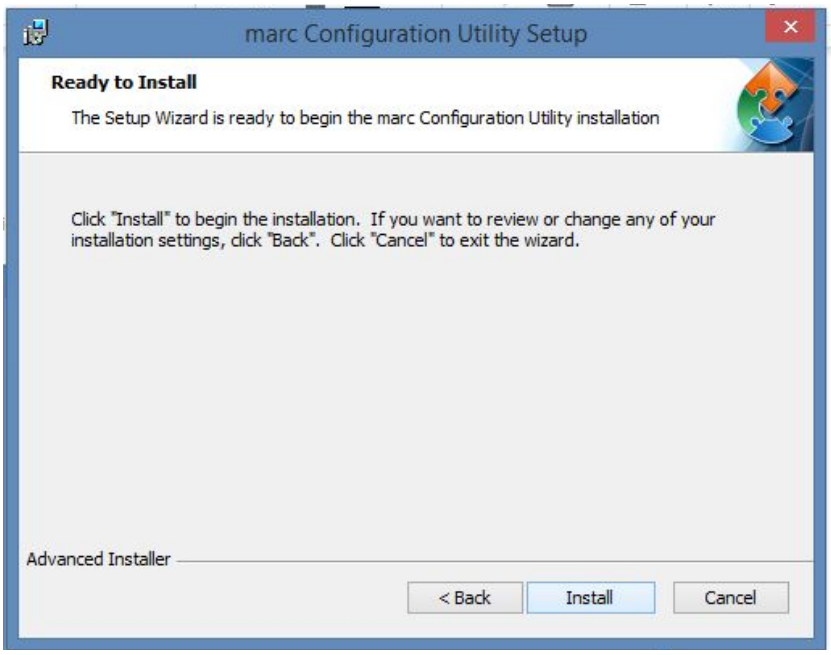
- Click on “Next>” Button



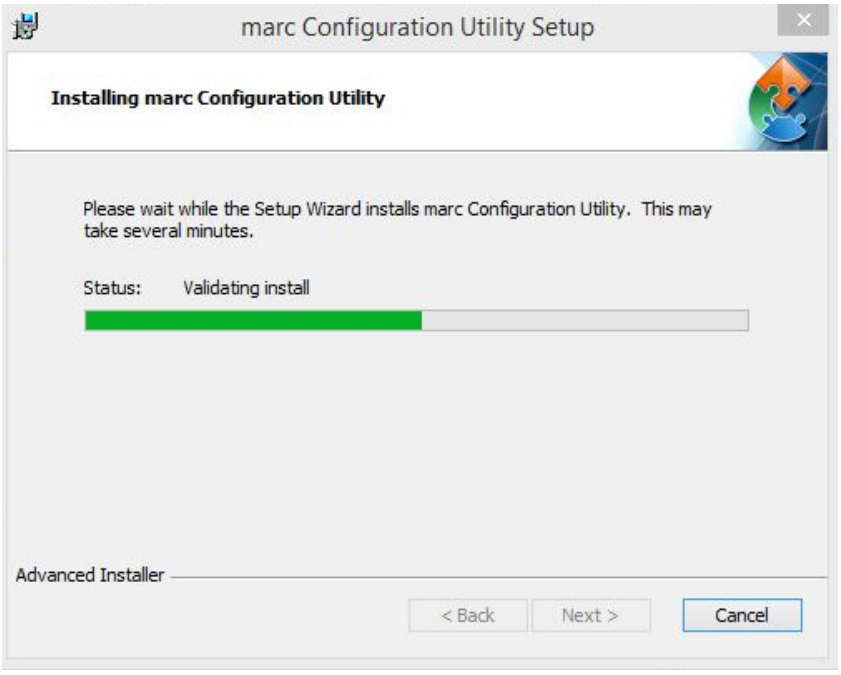
- Click on “Next>” Button



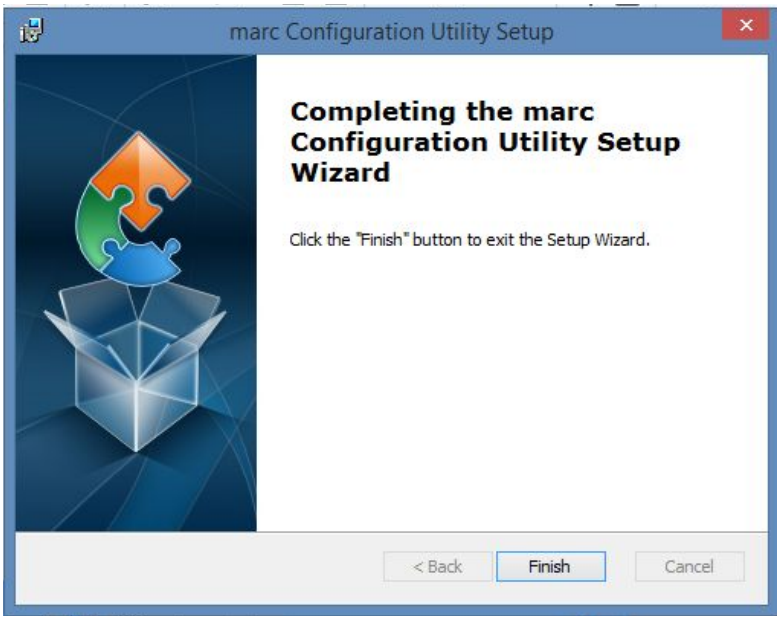
- Click on “Install” Button



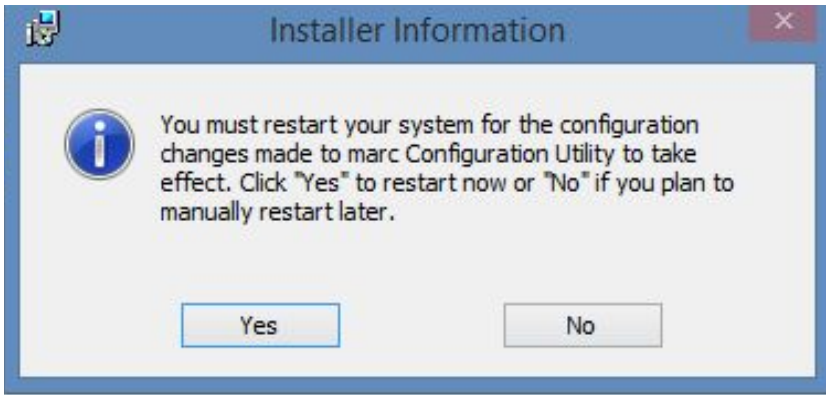
- Click on “Ok” Button



- Click on “Finish” Button



- Click on “Yes” Button to restart the computer.

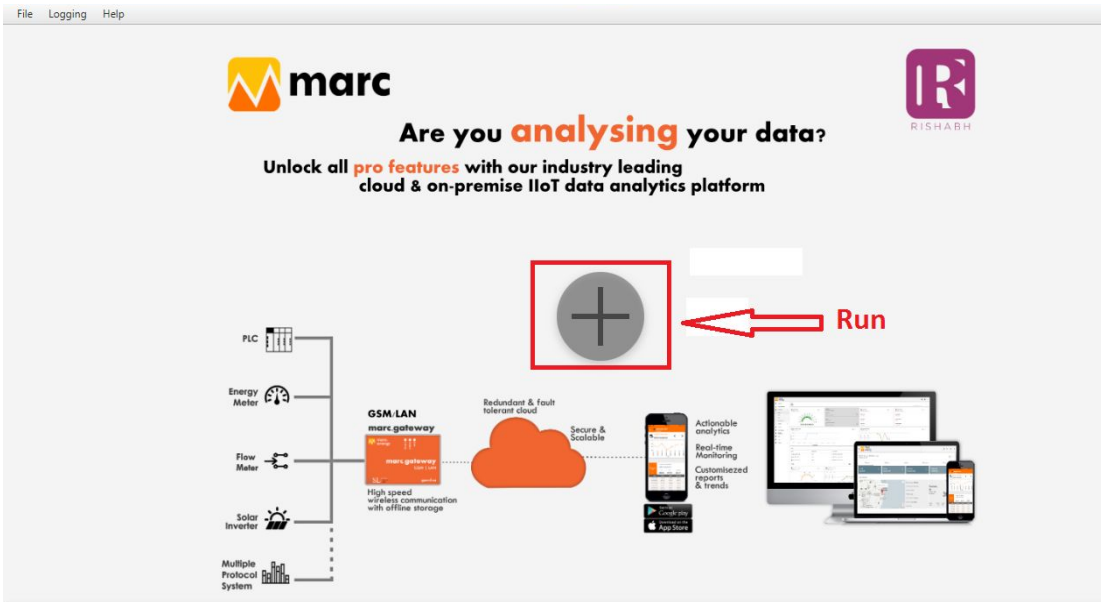


3. Operating Instructions

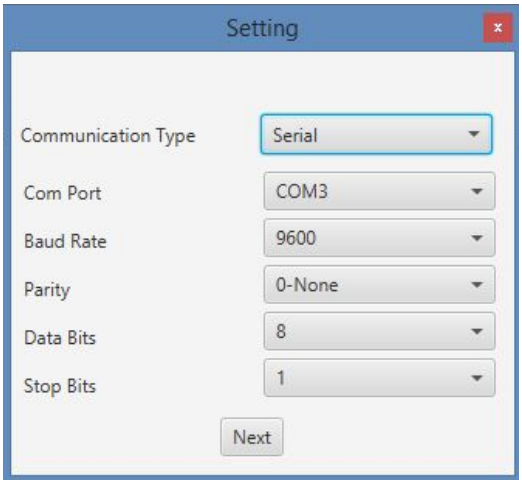
Select the operation mode by selecting read or write operation.

- User can run the software by double clicking on the “marc Configuration Utility” icon on the dashboard.

- Click on the plus(+) sign for communication setting.



- Select the proper communication setting.
  Select Communication Type - 1) Serial
  2) TCP/IP
  Select converter COM port and other meter setting like Baud Rate, Parity, Data Bits, Stop Bits.



Please Note- Selected Baud Rate, Parity, Data Bits, Stop Bits setting must be the same as in the actual meter of serial communication settings.

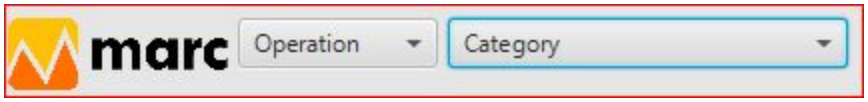
3.1 Read Operation

- Select Read operation

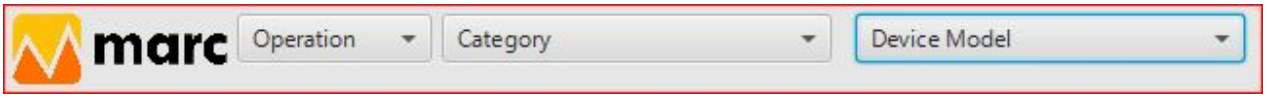
- Select "Category" of device model. Currently following categories are available for users.
  A) Multifunction Meter with Data Logger
  B) Multifunction Meter
  Note- In future other categories will also be added for which user has to update device and software.

A) Multifunction Meter-

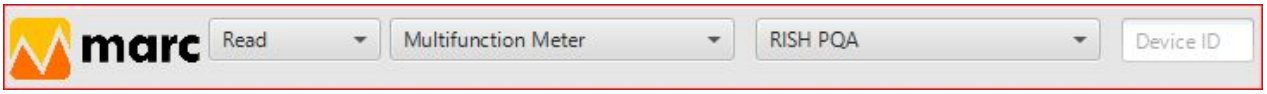
- Select Category "Multifunction Meter".



- Select Device model as per the device model list.

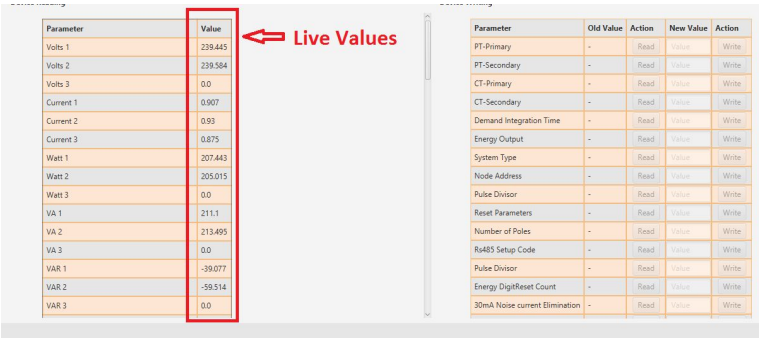


- Enter the Device Id of the meter which user wants to monitor.



- Click on the green colour “Run” button.

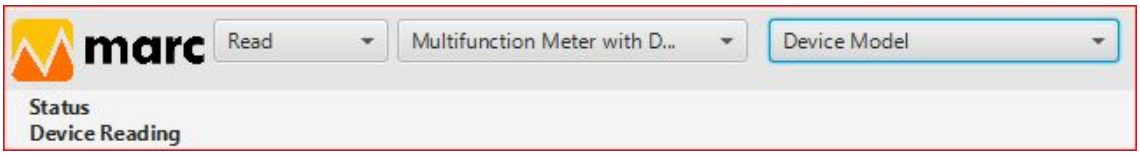
- Parameter’s live values will get displayed on the left side of the screen. To stop real time monitoring click red colour Stop “button”.



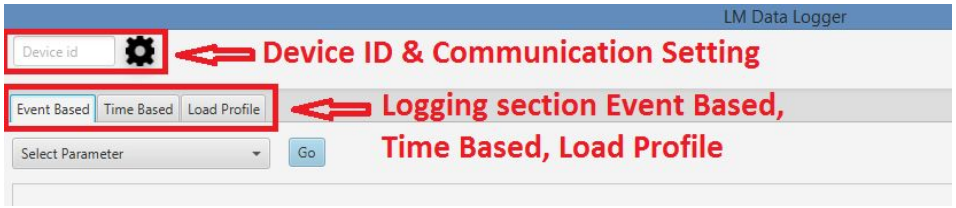
B) Multifunction Meter with Data Logger

- Select Category Multifunction Meter with Data Logger.

- Select Meter Model

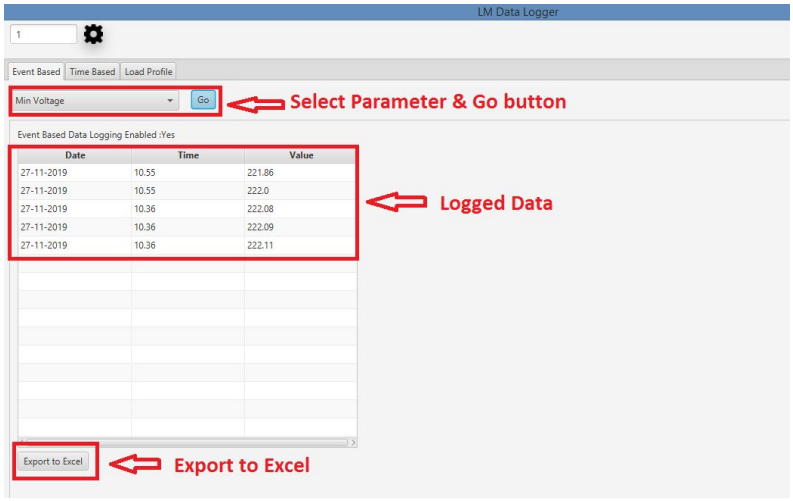


- Enter Device id and communication settings (As previously configured)
  User gets three logging sections. Event based, Time based and Load profile based logging.



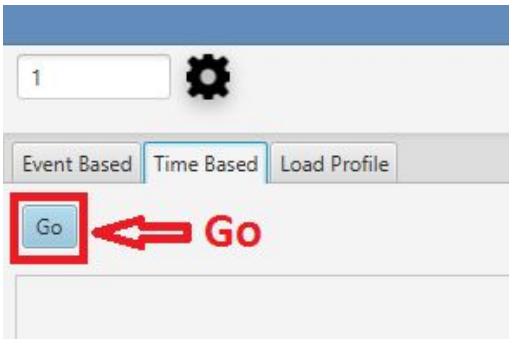
A) Event based

- In event based logging, the user has to select a parameter and click the “Go” button. User gets the logged data as shown in the screen below.
  Also the user has the facility to export reports in excel format.



B) Time Based

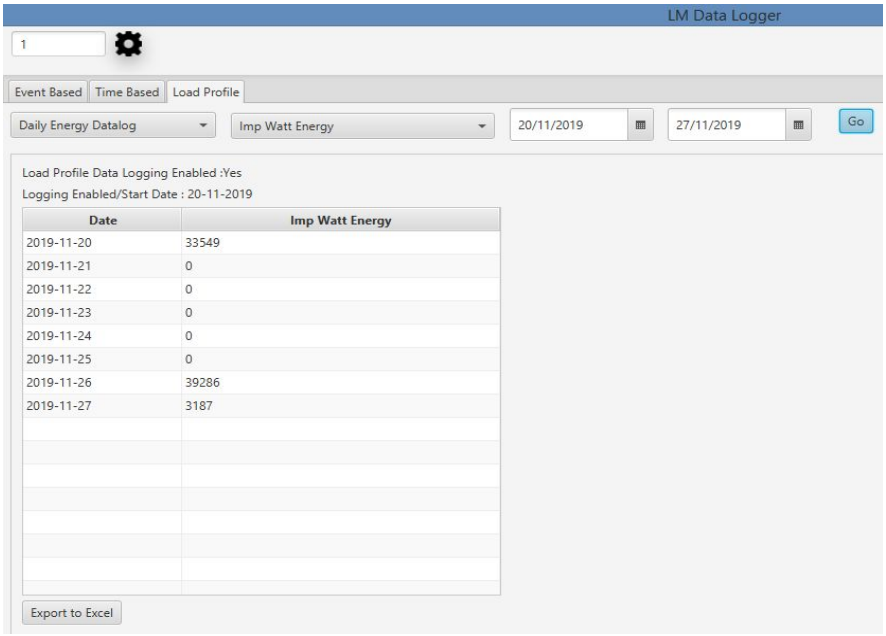
- Select time based and click “Go” Button.



- User has the facility to export the data in the excel file.

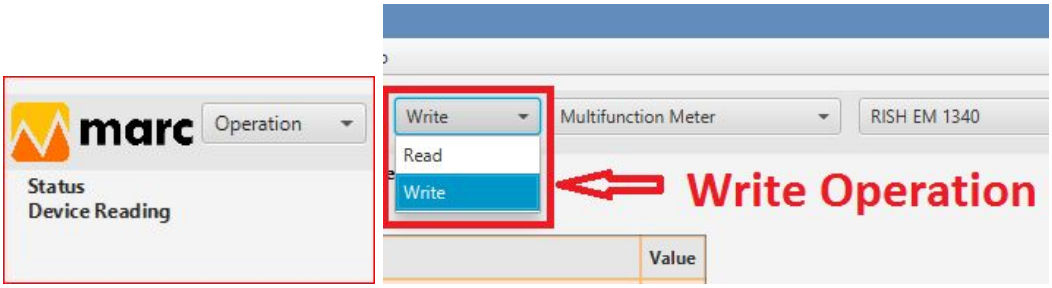
C) Load Profile

- Select Profile, Parameter, Start and End date and click the “Go” Button.

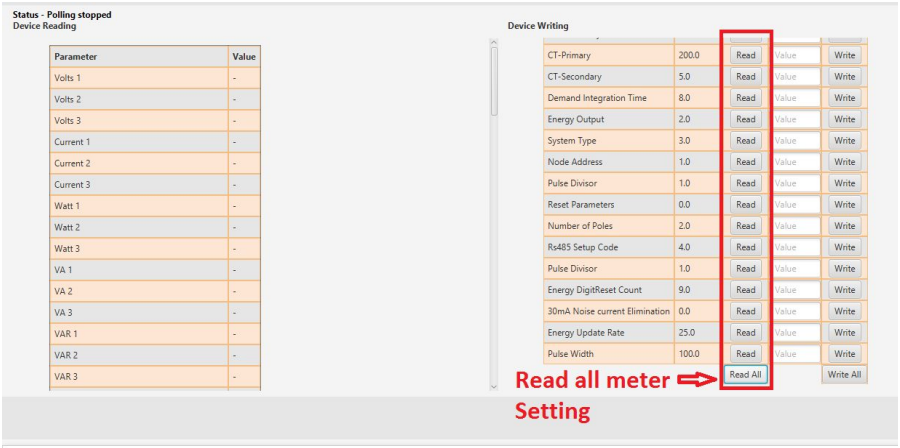

LM Data Logger
1
Event Based
Time Based
Load Profile
Daily Energy Datalog
Imp Watt Energy
20/11/2019
27/11/2019
Go
Load Profile Data Logging Enabled :Yes
Logging Enabled/Start Date : 20-11-2019
Date
Imp Watt Energy
2019-11-20
33549
2019-11-21
0
2019-11-22
0
2019-11-23
0
2019-11-24
0
2019-11-25
0
2019-11-26
39286
2019-11-27
3187
Export to Excel

3.2 Write Operation

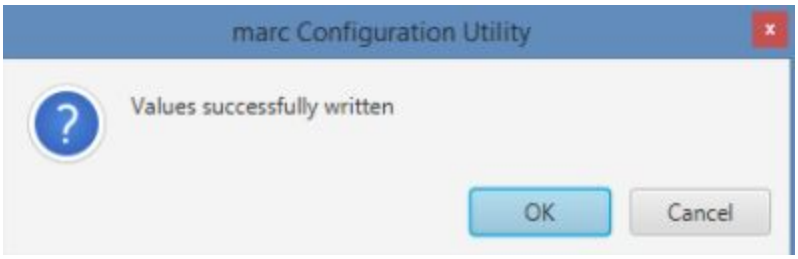
- Select “Write” operation mode.



- Select “Device Model” and Enter the “Device ID” and click “Read All” at the bottom right of the screen.



- If users want to change any parameter value Like CT, PT Ratio etc. enter value in “New Value” column w. r. t. parameter and click “Write ” button.

Users may read or Write parameter values individually or at a time for all.

- Click the Ok button. Values Successfully written.