

MAH SS - MAH-071
IEC - 62056 (DLMS) Compliant
Totalizer – Installation & Configuration Guide



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Overview - Totalize

- How to Install
- How to Configure
 - a. DLMS
 - b. MODBUS RTU
 - c. MODBUS TCP
- Troubleshooting & Guidance



How to Install – Totalize

Step 1 : Open Software Folder

- Open the **Totalize software folder** provided to you.

Step 2 : Open “dist” Folder

- Inside the software folder, locate a folder named **dist**
- Double-click to open the **dist** folder.

Step 3 : Run Setup File

- Inside the **dist** folder, locate the file:
PPV Setup 0.1.0
- Double-click the file to start installation.

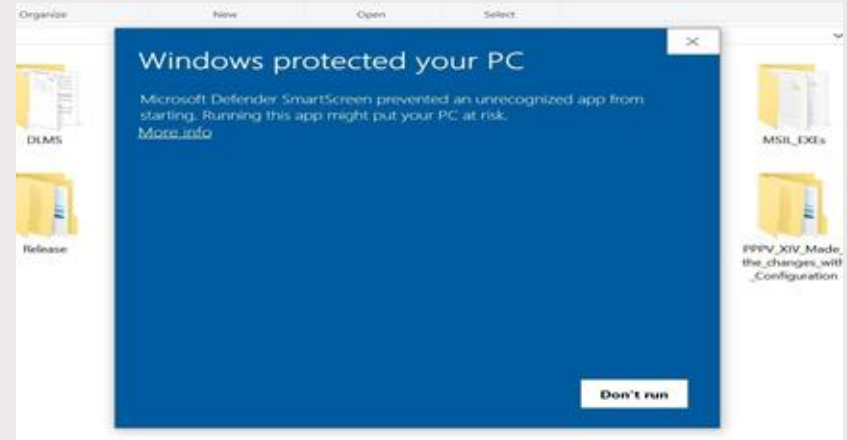
.git	15-01-2026 10:03	File folder	
.vscode	15-01-2026 10:03	File folder	
build	15-01-2026 10:03	File folder	
dist	15-01-2026 10:03	File folder	
electron	15-01-2026 10:03	File folder	
public	15-01-2026 10:03	File folder	
src	15-01-2026 10:03	File folder	
.gitignore	15-01-2026 10:03	Text Document	1 KB
package	15-01-2026 10:03	JSON Source File	2 KB
package-lock	15-01-2026 10:03	JSON Source File	796 KB
README	15-01-2026 10:03	Markdown Source File	4 KB

Name	Date modified	Type	Size
win-unpacked	15-01-2026 10:03	File folder	
builder-debug	15-01-2026 10:03	Yaml Source File	8 KB
builder-effective-config	15-01-2026 10:03	Yaml Source File	1 KB
PPV Setup 0.1.0	15-01-2026 10:03	Application	1,17,452 KB
PPV Setup 0.1.0.exe.blockmap	15-01-2026 10:03	BLOCKMAP File	123 KB

How to Install – Totalize

Step 4 : Windows Security Warning

- A Windows security warning may appear.
- Click **“More info”**.
- Then select **“Run anyway”** to continue.

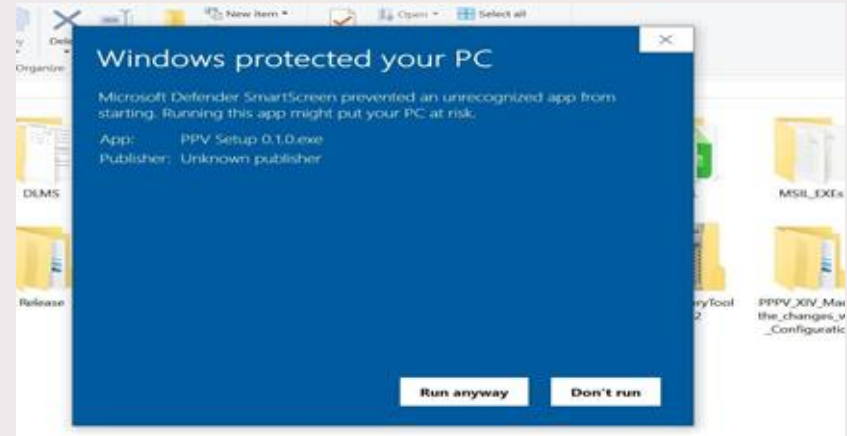


Step 5 : Installation in Progress

- The software installation will begin automatically.
- No additional user input is required.

Step 6 : Application Launch

- After successful installation:
 - The application will open **automatically**.
 - The application opens in **full-screen mode**.



How to Install – Totalize

Step 7 : Default Screen

- By default, the following screen will be displayed.
- This is the **initial dashboard** of the Totalize application.

Step 8 : Configuration Required

- Initially, no data will be visible.
- User must **configure the tool** to:
 - Connect devices
 - Enable communication
 - Start receiving and displaying data





How to Configure – Totalize

Open Driver Settings

- Click on the **Settings icon** located at the **top-right corner** of the screen.
- This will open the **Driver Settings** page.
- The driver supports the following interfaces:
 - a. **DLMS**
 - b. **MODBUS RTU**
 - c. **MODBUS TCP**



DLMS Configuration

DLMS – Default Configuration

- By default, the tool is configured to run on **DLMS protocol**.
- The Driver Settings page will display:
 - Interface: **DLMS**
 - Default Baudrate: **9600**

DLMS – Interface & Baudrate

- If the user wants to continue using **DLMS**, no change is required in the **Interface** section.
- User may change the **Baudrate** as per meter configuration.

Available Baudrate Options:

- 300
- 1200
- 9600
- 57600
- 115200





DLMS Configuration

DLMS – Add / Remove Device

- To add a device:
 - Enter the **last 4 digits of the device serial number**
 - Click on **“Add”**
- The device will appear in the **right-side device list**.
- To remove a device:
 - Click on the **“Delete”** button corresponding to the device.

DLMS – Save Settings

- After completing the configuration:
 - Click on the **“Save”** button
- The settings will be saved successfully.
- The **driver will automatically restart** and run with the updated settings.





MODBUS RTU Configuration

MODBUS RTU – Interface Selection

- Select “**MODBUS RTU**” from the **Interface** dropdown.
- The MODBUS RTU configuration page will be displayed by default.

MODBUS RTU – Baudrate Settings

- User can select the required **Baudrate** from the **Select Baudrate** section.
- Baudrate options are the same as DLMS:
 - 300
 - 1200
 - 9600
 - 57600
 - 115200

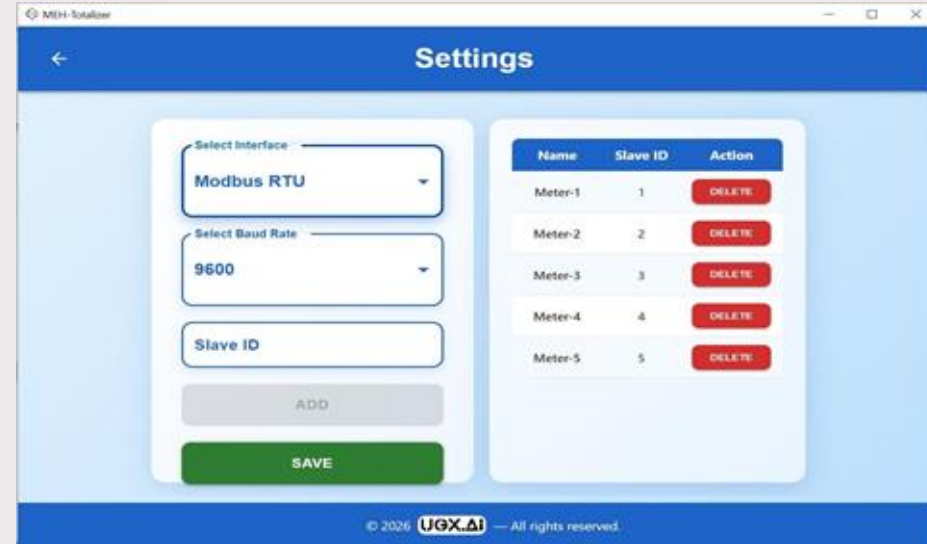




MODBUS RTU Configuration

MODBUS RTU – Add / Remove Device

- To add a device:
 - Enter the **Slave ID** of the MODBUS device
 - Click on **“Add”**
- The device will be added to the **right-side list**.
- To delete a device:
 - Click on the **“Delete”** button corresponding to the Slave ID.



MODBUS RTU – Save Settings

- Click on **“Save”** to apply the configuration.
- The driver will **restart automatically** and start running with new settings.

MODBUS TCP Configuration

MODBUS TCP – Interface Selection

- Select “**MODBUS TCP**” from the **Interface** dropdown.
- The MODBUS TCP configuration screen will be displayed.

MODBUS TCP – Baudrate Information

- Baudrate selection is available but **has no effect** in MODBUS TCP mode.
- Communication is handled over **network (IP-based)** connection.

MODBUS TCP – Add / Remove Device


- To add a device:
 - Enter the **Slave IP Address** of the MODBUS TCP device
 - Click on “**Add**”
- The device will be listed on the **right-side panel**.
- To remove a device:
 - Click on the “**Delete**” button corresponding to the Slave IP.



MODBUS TCP Configuration

MODBUS TCP – Save Settings

- Click on **“Save”** after completing configuration.
- The driver will **restart automatically** and apply the new settings.



The screenshot shows a web-based configuration interface for MODBUS TCP. The interface is titled "Settings" and is displayed in a browser window. The left panel contains the following configuration options:

- Select Interface:** A dropdown menu with "Modbus TCP" selected.
- Select Baud Rate:** A dropdown menu with "9600" selected.
- Slave IP:** An empty text input field.
- ADD:** A grey button to add a new configuration.
- SAVE:** A green button to save the current configuration.

The right panel displays a table of existing configurations:

Name	Slave IP	Action
Meter-1	192.168.1.10	DELETE

At the bottom of the interface, there is a copyright notice: © 2026 UGX.ΔI — All rights reserved.

Troubleshooting & Support

- User settings are saved **only after clicking the “Save” button.**
- If default values are not visible, please ensure that the **backend server is running.**
- For any issues not covered in this document, please **contact the UGX Team.**