# PMM
## Power Meter Monitor

**Business and Mission-**

**Critical Solutions Provider**

## Port Forwarder

# User Manual
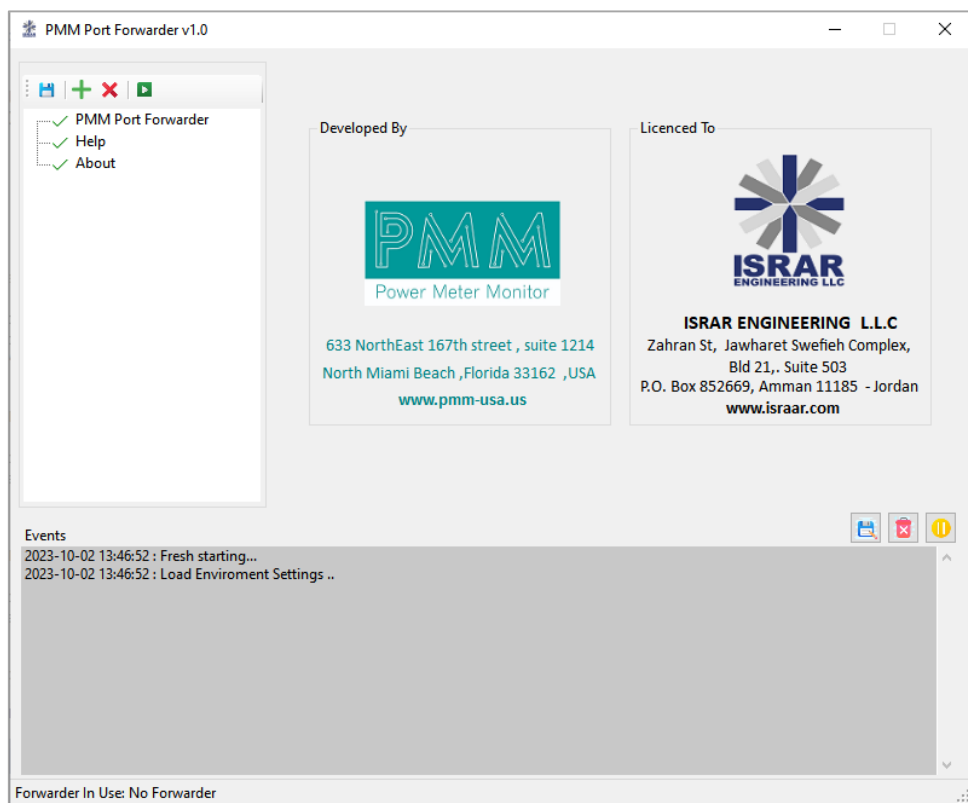
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# 1.  Introduction

This Document is a fully descriptive operational manual for PMM's port forwarder. Providing the operator with the needed information in terms of instructions and screen layout of the monitors, allowing for
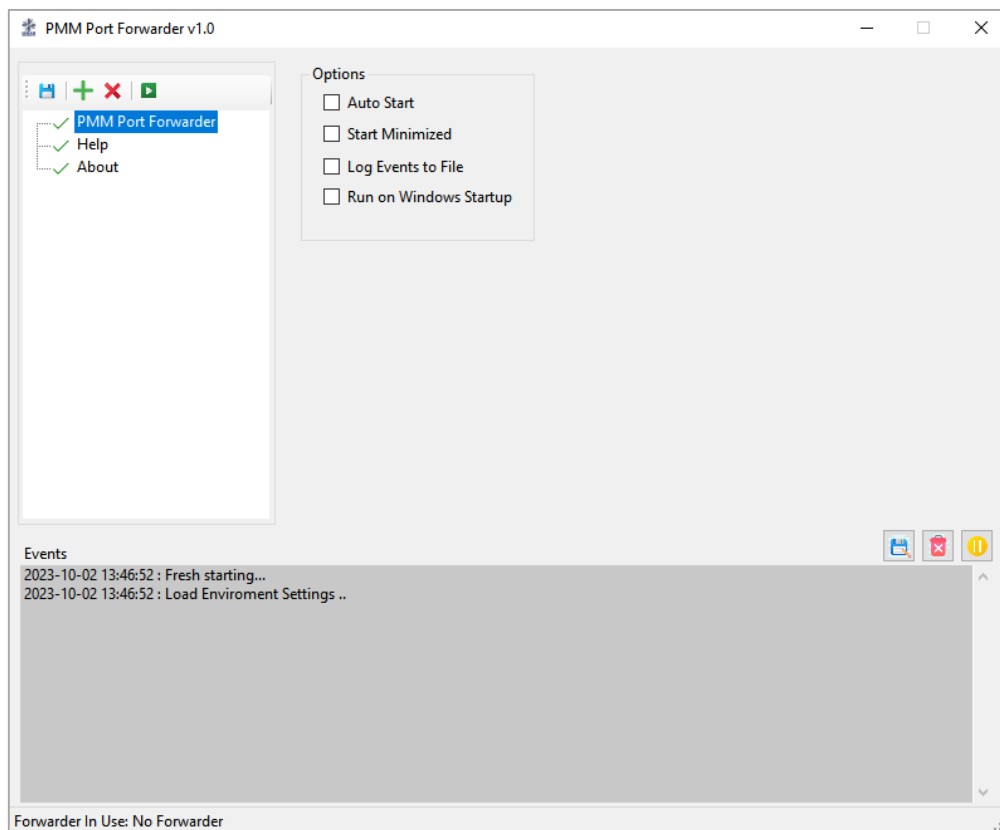
## 1.1    Description

PMM's Port Forwarder is designed for data forwarding application between ports and allows the user to manage the settings of the source and destination ports.

## 1.2 Key Features

- Configurable Port Settings
- Cross-Platform Compatibility
- Scalability
- User-Friendly Interface

# 2.  PMM Port Forwarder



For starting PMM port forwarder there are four options:

1. Auto Start: the program is running automatically when its opened, and appears on the taskbar.
2. Start Minimized: the program is running but in a hidden mode, not appearing in the task bar. The user can find it in the "Hidden icons" in the taskbar.
3. Log Events to file: all the events are logged automatically into a file.

**Note: the program saves the user's starting option and starts by it the next time the user starts the program.**

## 2.1. Adding New Port Forwarder

- Click on the add (+) to add a new port forwarder.
- The source port is always serial port; the destination port can be serial or Ethernet based on the client's application.
- In case the destination port is serial the serial settings need to be configured for both source and destination port as shown in the figure below.
- Choose the COM number the one which the serial port is connected on.
- For the source port; choose the following parameters from the drop lists: baud rate, data bit, stop bit, parity and the flow control.
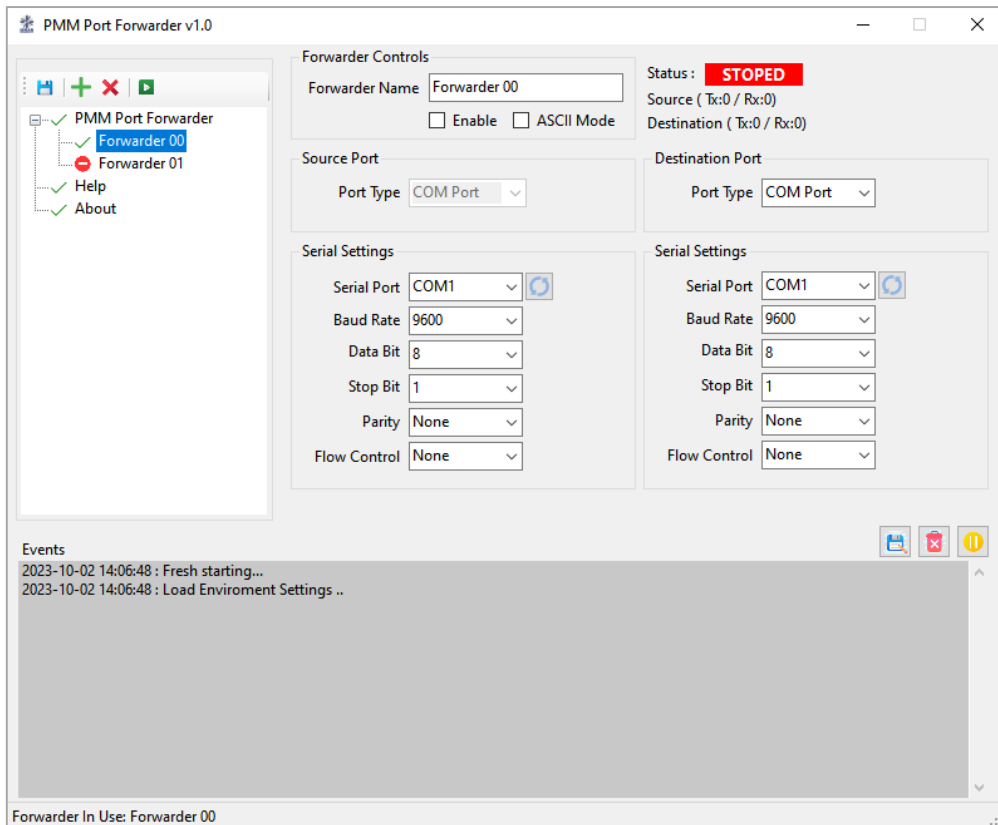


- The status will be **STOPED** until the user check the enable box and click on "start" in order to start the forwarding.
- Check the "ASCII Mode" if required.
- When the user check "Enable" and click on start the status will be changed to **STARTED** and the number of transmitted and received requests between the source and destination ports will be changes based on the forwarding process as shown in the figure below.
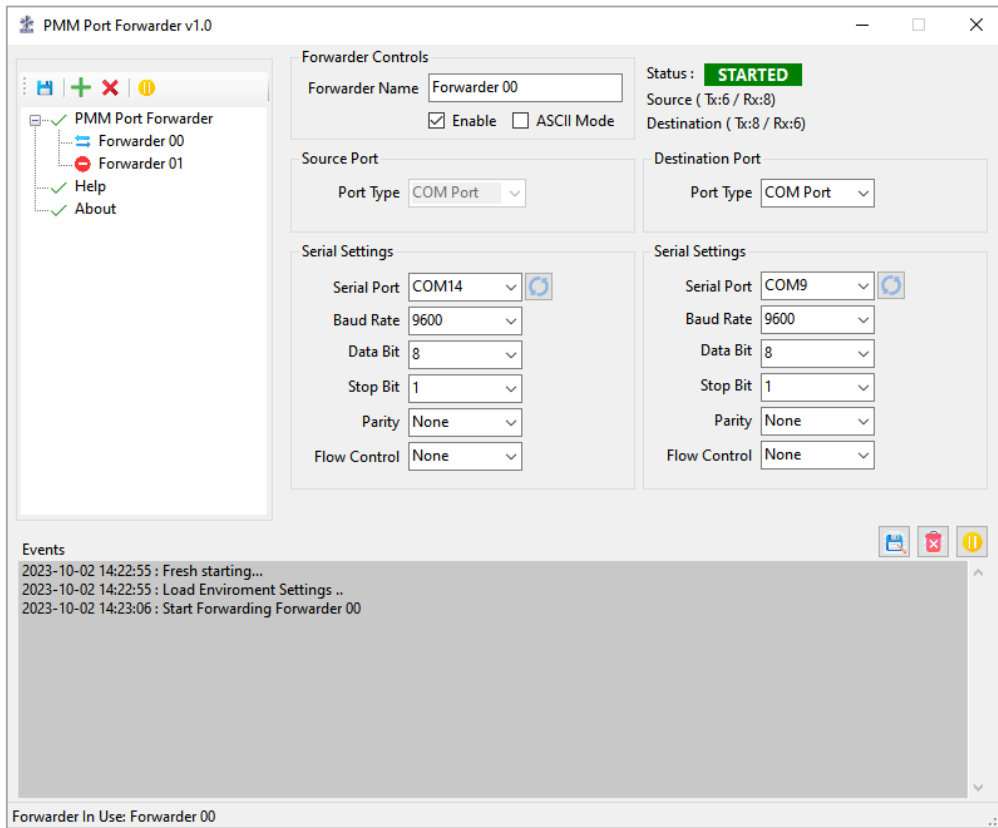
- Click on "Delete" to delete the port forwarder.
- Click on "Save" to save the port forwarder settings; the settings will be saved in the application and automatically be applied when reusing the application.

**Note: each forwarder must have a unique port; a port can't be included in more than one forwarder.**
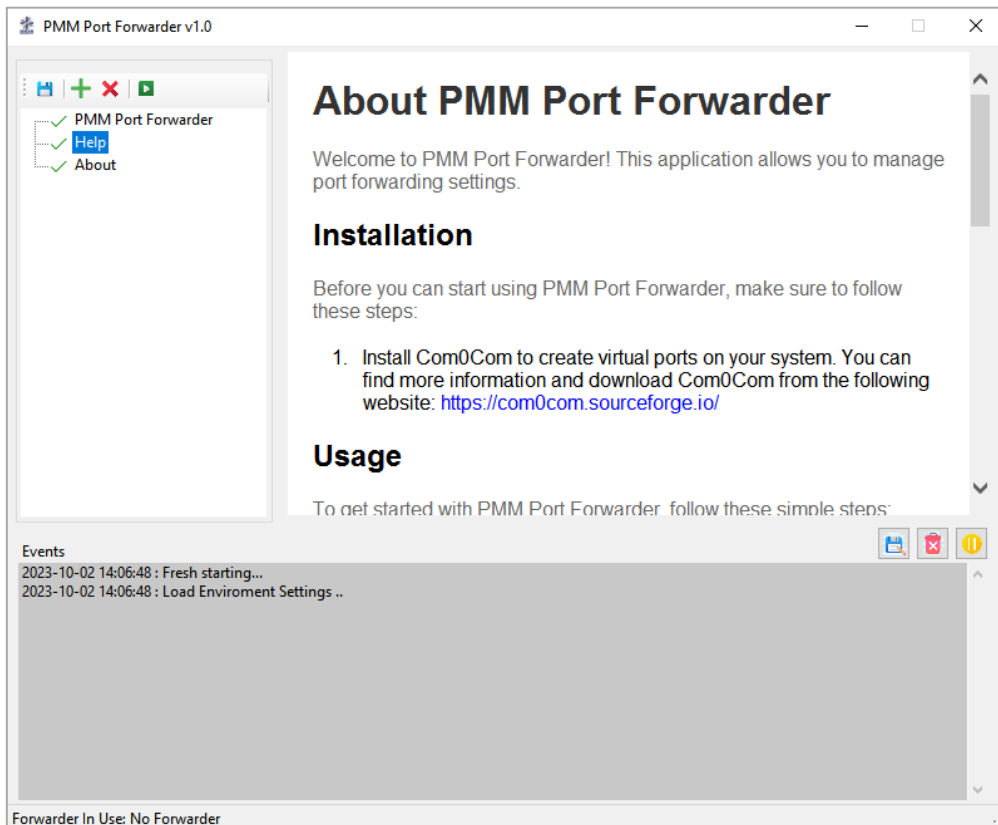
**Icons Description:**
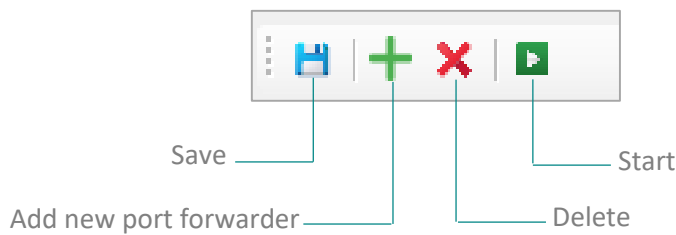
**Events' Icons Description:**



Save — Delete — Pause

Events

Forwarder in use
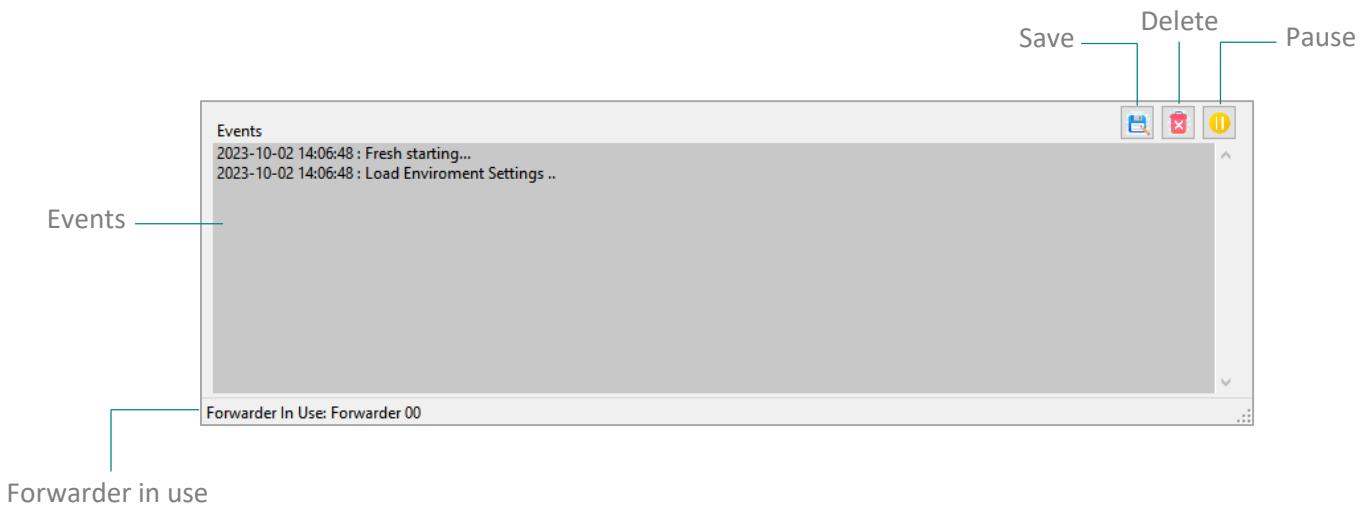
## 2.2. Help

Help page provides the user with a quick help on the way of using the port forwarder application, installation instructions, adding and deleting port forwarder.

## 2.3. About