



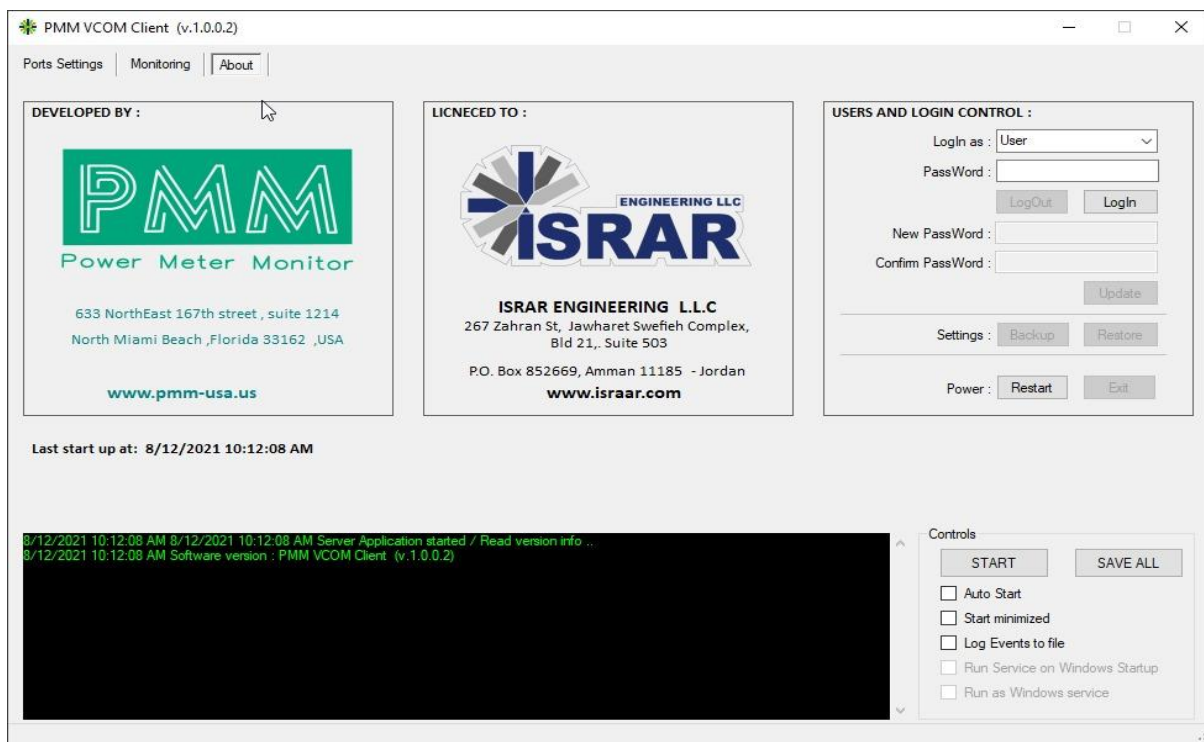
Power Meter Monitor

Business and Mission-

Critical Solutions Provider

Virtual COM Driver

User Manual



Model: PMM2001

Document: User Manual

Document version: 1.0

Date: December 2021



Contents

PAGE

1.	Introduction	3
1.1	Description.....	3
1.2	Key Features	3
2.	PMM - 0406 Virtual COM Driver	4
2.1	Authentication.....	4
2.1.1	Login Instructions	4
2.1.2	Logout Instructions.....	4
2.1.3	Change Password Instructions	4
2.2	Searching for PMM Device	5
2.3	Adding Virtual COM.....	5
2.3.1	Create Virtual COM Instructions	5
2.3.2	Delete Virtual COM Instructions	5
2.4	Configure PMM Device.....	6
2.4.1	Change the Settings of the Device	6
2.5	Change PMM and Device IP Address.....	7
2.6	8.8 Monitor Traffic	7
2.6.1	8.8.1 Monitor Traffic on Each Port and Save the Log.....	7
2.7	Restore and Backup.....	8
2.7.1	Create Backup for Setting.....	8
2.7.2	Restore Settings	8

1. Introduction

This Document is a fully descriptive operational manual for PMM's Virtual COM Driver. Providing the operator with the needed information in terms of instructions and screen layout of the monitors, allowing for easy use.

1.1 Description

PMM's Virtual Serial Port Driver allows you to create a large number of virtual COM ports and allows you to properly simulate serial port behavior, it is used to configure PMM devices. Virtual COM port (VCP) drivers cause the USB device to appear as an additional COM port available to the PC.

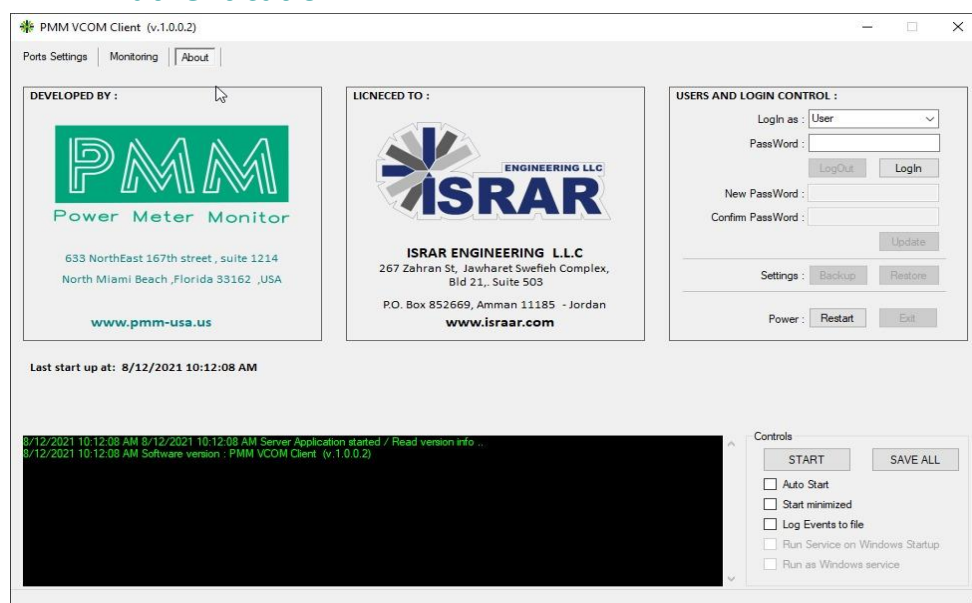
1.2 Key Features

- Tool used to configure PMM Devices
- Data traffic Monitoring
- Restore and Backup for Setting
- Upload Setting from Controller

2. PMM Virtual COM Driver

- Authentication
- Search for PMM Device
- Add Virtual COM
- Configure PMM Device
- Change Controller IP
- Monitor and save the Traffic
- Restore and Backup for Setting
- Upload Setting from Controller

2.1 Authentication



2.1.1 Login Instructions

- 1) Go to About tap
- 2) Head to users and login control section
- 3) Select username from the dropdown
- 4) Create a strong password
- 5) Click on “Login” button

2.1.2 Logout Instructions

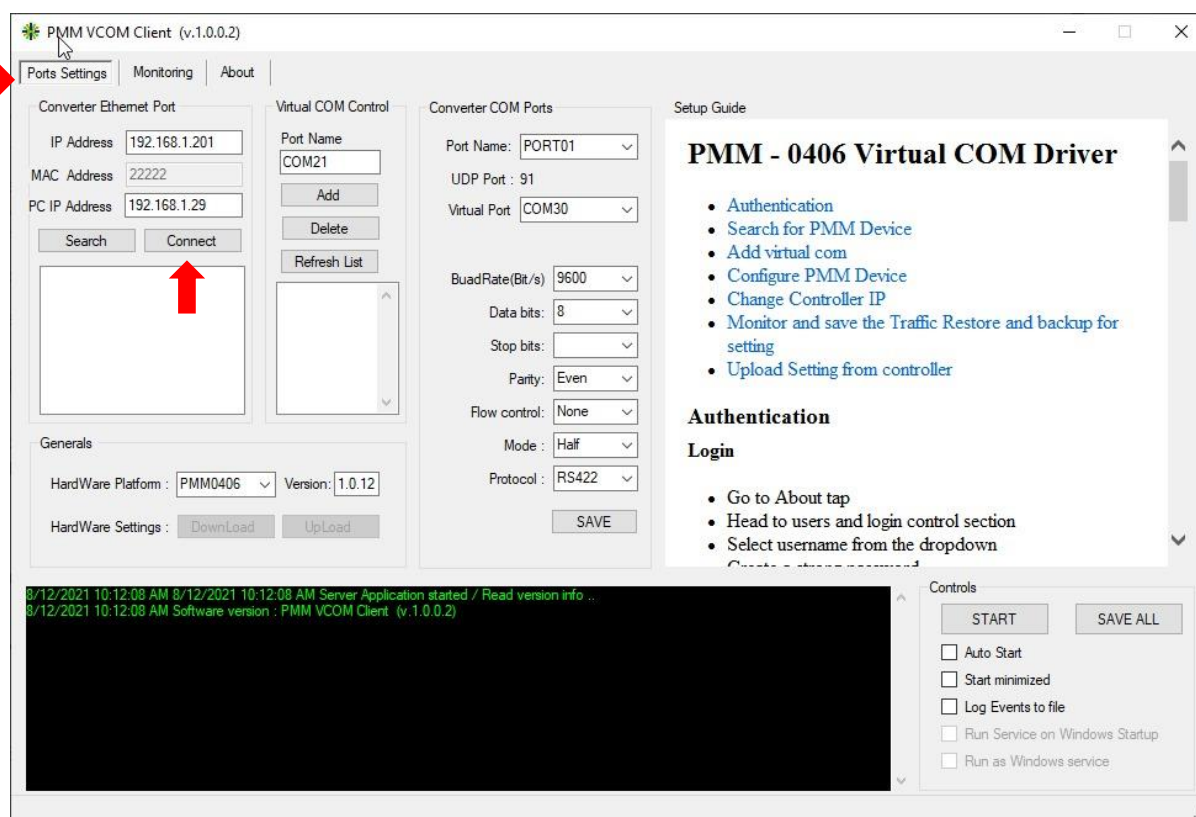
- 1) Go to About tap
- 2) Head to users and login control
- 3) Click on “Logout” button

2.1.3 Change Password Instructions

- 1) Go to About tap
- 2) Head to users and login control section
- 3) login as Administrator
- 4) Enter the new password in “New Password” field
- 5) Re-enter the password again in “Confirm Password” field
- 6) Click on “Update” button

2.2 Searching for PMM Device

This method finds all PMM devices in the network and return their IP Address



- 1) Go to "Port Setting" tab
- 2) At "Converter Ethernet Port" section click on search
- 3) All available devices will be displayed in the white box
- 4) Double click on the IP that is needed to get a connection
- 5) Click on "Connect" button

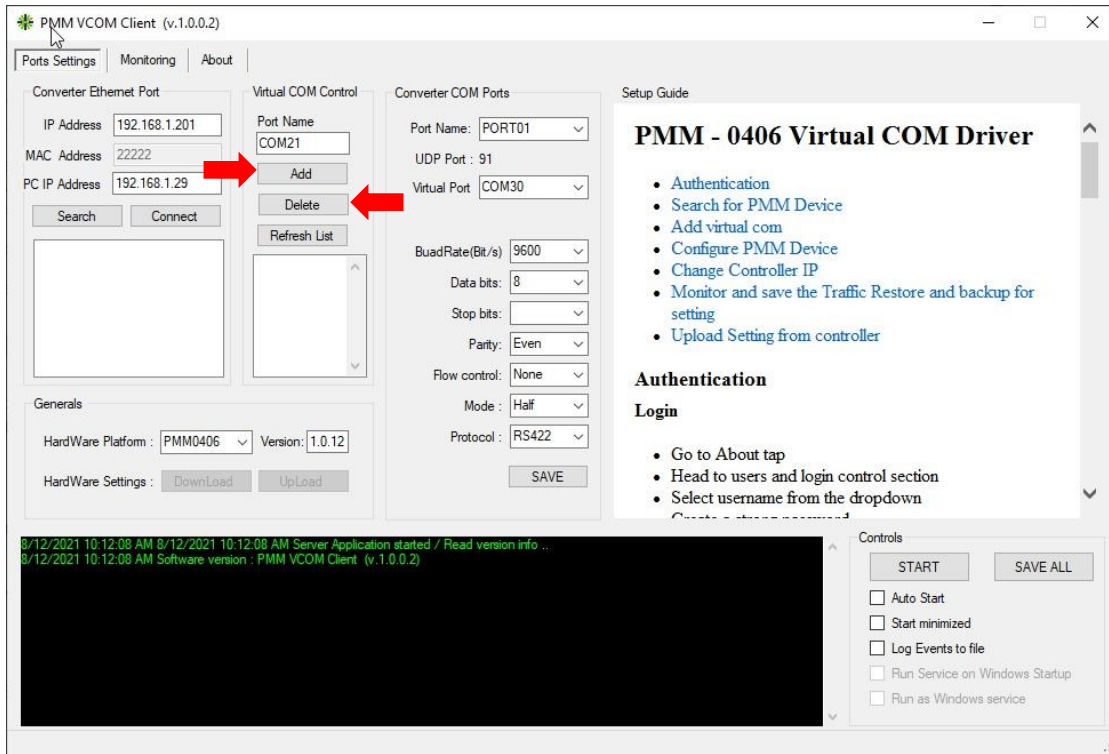
2.3 Adding Virtual COM

2.3.1 Create Virtual COM Instructions

- 1) Add the required name in the "Name" field
- 2) Click on "Add" button

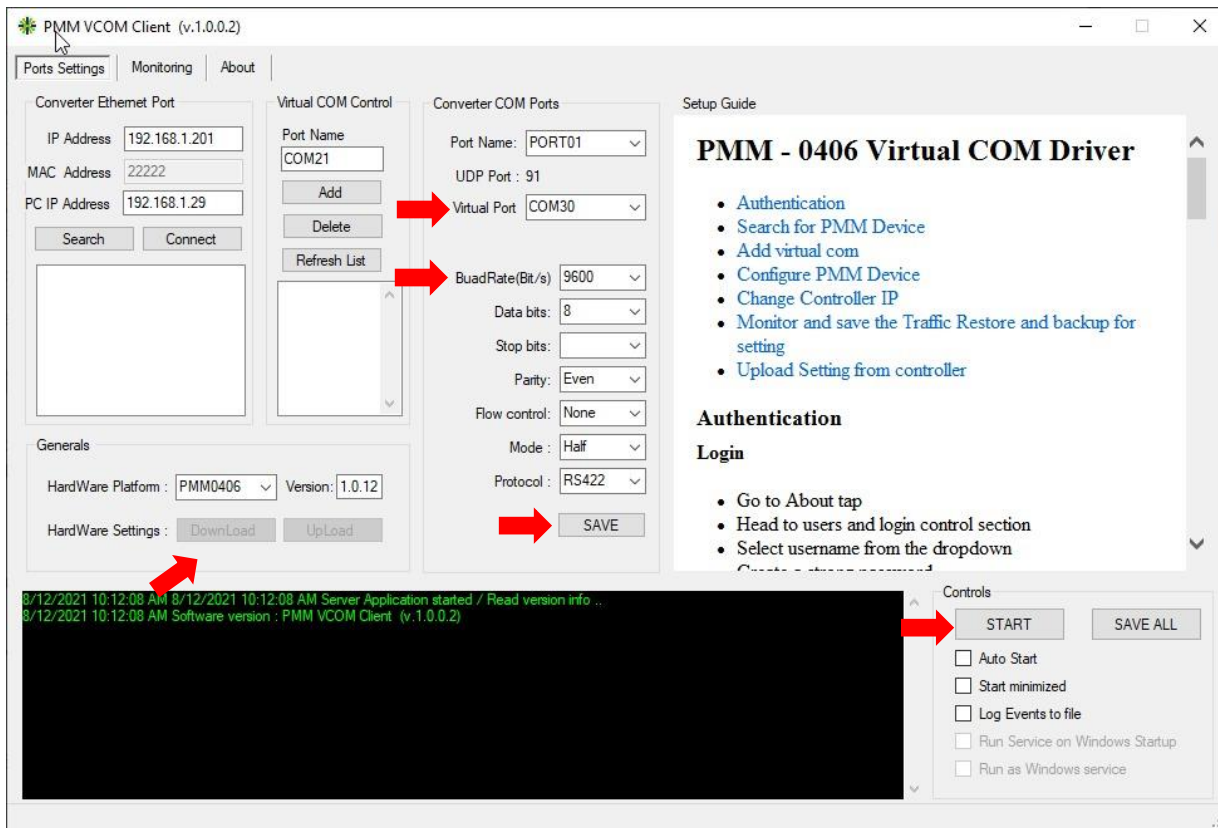
2.3.2 Delete Virtual COM Instructions

- 1) Click on "Refresh List" button to find all available virtual COM
- 2) Select the port that you want to delete
- 3) Click on "Delete" button



2.4 Configure PMM Device

2.4.1 Change the Settings of the Device Instructions



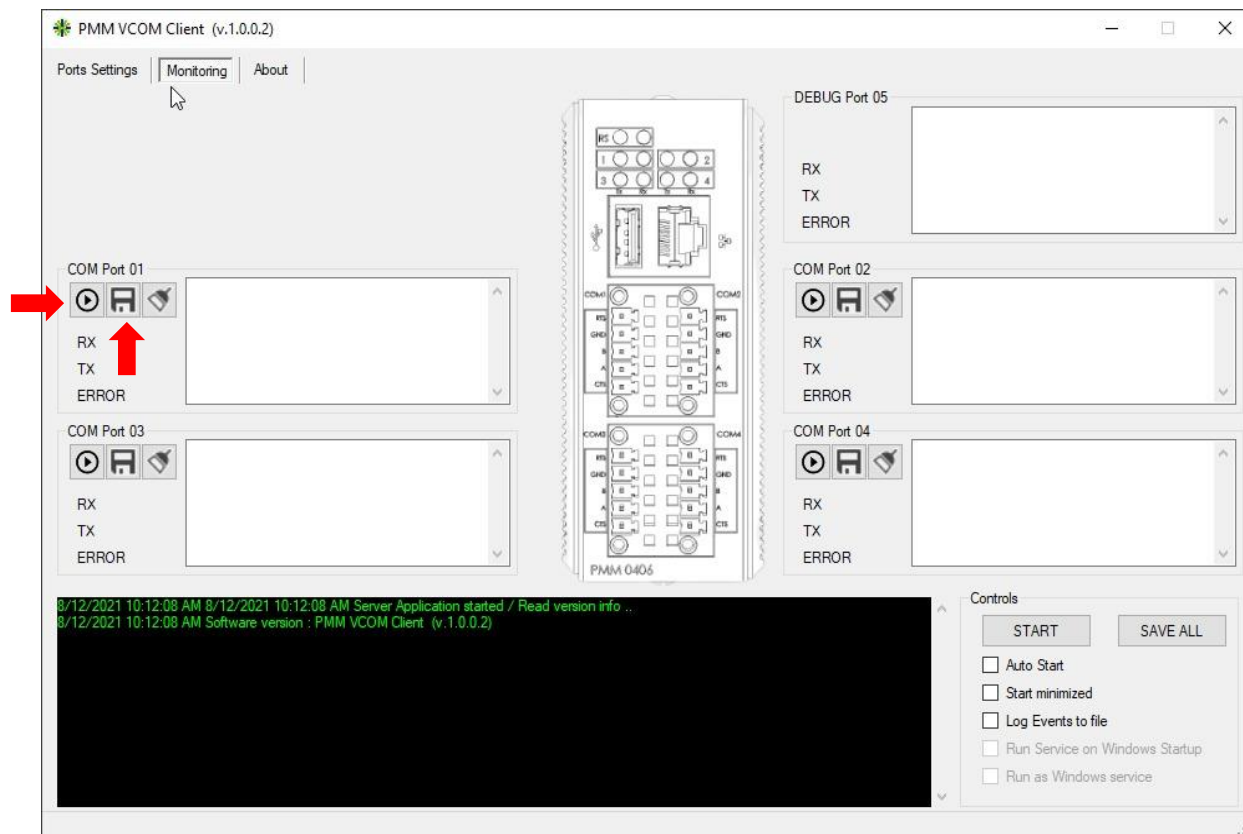
- 1) Login as Administrator
- 2) From drop-down bar, select the option that its settings needed to change
- 3) Select the virtual port that will be connected with this port
- 4) Change the Baud rate, data bit, parity.
- 5) Click on “Save” button to save settings then click on “Save All” button
- 6) Start the converter
- 7) Click on “Download Button” to save changes in the controller

2.5 Change PMM and Device IP Address Instructions

- 1) Login as Administrator
- 2) Start the converter
- 3) In port settings tap Converter Ethernet port
- 4) Add the new PMM IP address on IP Address field
- 5) Add the new PC IP address on IP Address field
- 6) Click on “Save” button to save settings
- 7) Click on Download Button to save changes in the controller

2.6 Monitor Traffic

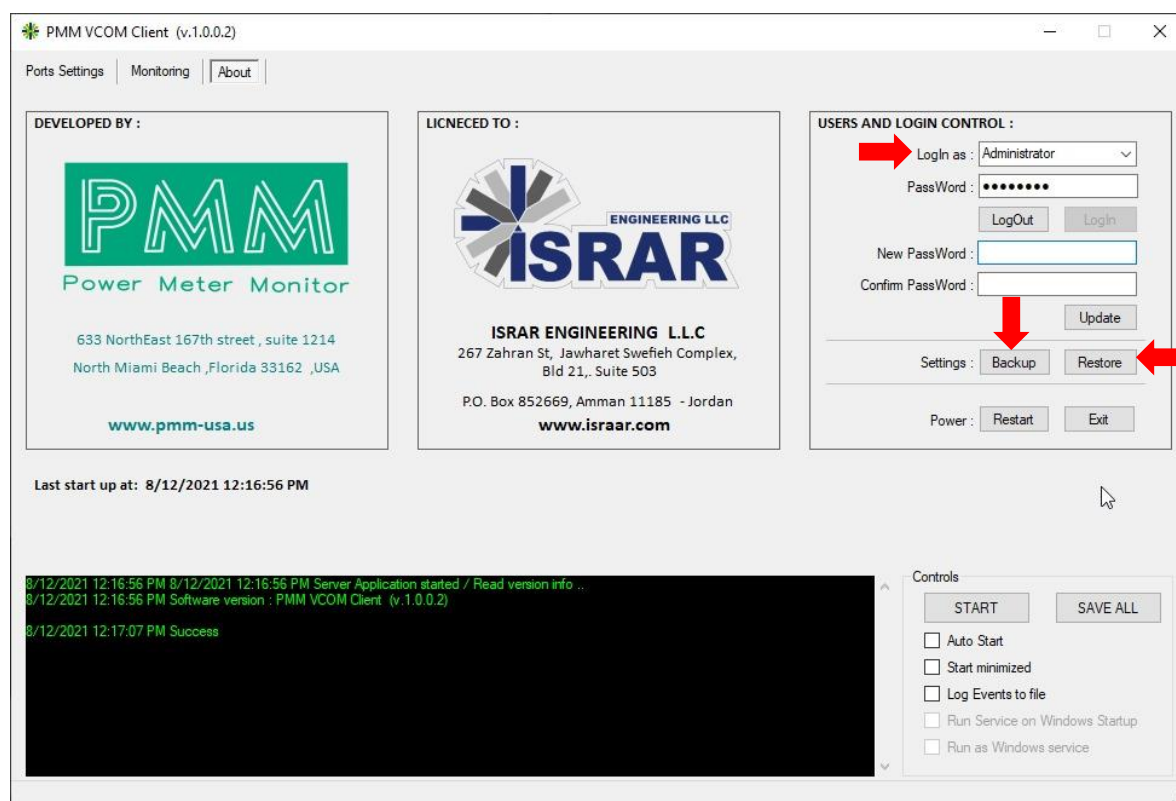
2.6.1 Monitor Traffic on Each Port and Save the Log Instructions



- 1) Start the converter
- 2) Go to Monitoring tap
- 3) Click on the “Play/Stop” button to start Displaying traffic in the white box
- 4) Use “Save” button to save the traffic in log file

2.7 Restore and Backup

2.7.1 Create Backup for Setting Instructions



- 1) Go to About tap
- 2) In the users and login control section
- 3) Login as Administrator
- 4) Click on “Backup” button to create backup

2.7.2 Restore Settings Instructions

- 1) Go to About tap
- 2) In the users and login control section
- 3) Login as Administrator
- 4) Click on “Restore” button
- 5) Select the file which contains selected settings