

Power Meter Monitor

Business and Mission-

Critical Solutions Provider

Virtual COM Driver

User Manual

LOPED BY :	LICNECED TO :	USERS AND LOGIN CONTROL :		
Power Meter Monitor	ISRAR	Login as : PassWord : New PassWord : Confirm PassWord :	User ~	
633 NorthEast 167th street , suite 1214 North Miami Beach ,Florida 33162 ,USA www.pmm-usa.us	ISRAR ENGINEERING L.L.C 267 Zahran St, Jawharet Swefieh Complex, Bid 21., Suite 503 P.O. Box 852669, Amman 11185 - Jordan www.israar.com	Settings : Power :	Backup Restore	
www.pmm-usa.us start up at: 8/12/2021 10:12:08 AM	P.O. Box 852669, Amman 11185 - Jordan www.israar.com	Power :	Restart Exit	
021 10:12:08 AM 8/12/2021 10:12:08 AM Server Applica 021 10:12:08 AM Software version - PMM VCOM Client (tion started / Read version info v.1.0.0.2)	Controls	ART SAVE AL	
021 10:12:08 AM 8/12/2021 10:12:08 AM Server Applica 021 10:12:08 AM Software version : PMM VCOM Client (ition started / Read version info v.1.0.0.2)	Controls ST/ Auto Start	ART SAVE AL Start minimized	

Model: PMM2001 Document: User Manual Document version: 1.0 Date: December 2021



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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

PMM VCOM Client (v.1.0.0.2)			>
Ports Settings Monitoring About			
Converter Ethemet Port	Virtual COM Control	Converter COM Ports	Setup Guide
IP Address 192.168.1.201 MAC Address 22222 PC IP Address 192.168.1.29 Search Connect	Port Name COM21 Add Delete Refresh List	Port Name: PORT01 UDP Port : 91 Virtual Port COM30 BuadRate(Bit/s) 9600 Data bits: 8 Stop bits: Parity: Even Virtual Port Port Port Port Port Port Port Port	 PMIM - 0406 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
General		Flow control: None ~	Authentication
HardWare Platform : PMM0406	Version: 1.0.12	Protocol : RS422 V	Login Go to About tap Head to users and login control section Select username from the dropdown
8/12/2021 10:12:08 AM 8/12/2021 10:1	2:08 AM Server Applicat	ion started / Read version info	Controls
8/12/2021 10:12:08 AM Software versior	: PMM VCOM Client (v	.1.0.0.2)	START SAVE ALL Auto Start Start minimized Log Events to file Run Service on Windows Startup Run as Windows service

- 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

s Settings Monitoring About				
	đ	- h	DEBUG Port 05	
	{ 1	00	2	
	in the second	00002	RX	
			ТХ	
		FR.	ERROR	
DM Port 01			COM Port 02	
	^			
	3 L			
			RX	
BBOR	v 3 -	방 방민	ERROR	
M Port 03			COM Port 04	
	3			
3X			RX	
EBOR	_ ^ _		FBBOB	
		4M 0406		
2/2021 10:12:08 AM 8/12/2021 10:12:08 AM Server Applic. 2/2021 10:12:08 AM Software version : PMM VCOM Client -	ation started / Read version (v.1.0.0.2)	nfo		ontrois
				START SAVE AL
				Auto Start
				Log Events to file
				Run Service on Windows Startur
				Run as Windows service

- 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

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2.7.1 Create Backup for Setting Instructions

ELOPED BY :	LICNECED TO :	USERS AND LOGIN CONTROL :	
		LogIn as : Administrate	or
		PassWord :	
		LogOut	Login
	ICDAD	New PassWord :	
Power Meter Monitor	ISNAN	Confirm PassWord	
and motor montor			Undate
633 NorthEast 167th street , suite 1214	ISRAR ENGINEERING L.L.C		opdate
North Miami Beach ,Florida 33162 ,USA	267 Zahran St, Jawharet Swefieh Complex, Bld 21,. Suite 503	Settings : Backup	Restore
	P.O. Box 852669, Amman 11185 - Jordan		
www.pmm-usa.us	www.israar.com	Power : Restart	Exit
start up at: 8/12/2021 12:16:56 PM 021 12:16:56 PM 8/12/2021 12:16:56 PM Server Applica	tion started / Read version info	Controls	ß
start up at: 8/12/2021 12:16:56 PM 021 12:16:56 PM 8/12/2021 12:16:56 PM Server Applica 021 12:16:56 PM Software version : PMM VCOM Client (r	tion started / Read version info (1.0.2)	Controls	SAVE A
start up at: 8/12/2021 12:16:56 PM 021 12:16:56 PM 8/12/2021 12:16:56 PM Server Applica 021 12:16:56 PM Software version : PMM VCOM Client (v 021 12:17:07 PM Success	tion started / Read version info r.1.0.0.2)	Controls	SAVE A
start up at: 8/12/2021 12:16:56 PM 2021 12:16:56 PM 8/12/2021 12:16:56 PM Server Applica 2021 12:16:56 PM Software version : PMM VCOM Client (v 2021 12:17:07 PM Success	tion started / Read version info r.1.0.0.2)	Controls START Auto Start Start minimized	SAVE A

- 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

