

IP Power 9820MT

User Manual



Version: V1.01
Date Released: May. 2025

Warning: Any changes made to this equipment without permission may cause damages to the device!

IMPORTANT NOTICE

1. IP Power 9820MT was designed for indoor use, we carry no responsibility for possible damages caused by outdoor use, especially in the rain.
2. Please use the power adapter provided by the dealer, we carry no responsibility for the possible damage from using power adapters not provided by us.
4. Do not shake the IP Power 9820MT in any fashion
5. Please contact the dealer If IP Power 9820MT is not working properly.

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1. Introduction

IP Power 9820MT is a new generation of the Power Distribution Unit (PDU) & Remote Power Control (RPC) system. Its able to control in the network

With embedded web server and **HTTPS** protection, 9820MT supports higher grade security as working on Internet. User can control power easily and more safely through the web browser in most OS like Windows / iOS / Android system, like Edge, Google Chrome, Safari and so on. There are App for **Android / iOS system** name "**IP Power**" for user to control the outlet power.

9820MT allows user to remote control power up to 8 individual devices on/off / reboot via network. The total maximum current is up to **20AMP / 110V** or **15 Amp / 240V**.

Besides individual power control, user can also check the **current** consumption of each port, **voltage** and external **Temperature** value, LOG information & send LOG to assign IP(Syslog). There is a LCD display show the IP and the other Voltage /Current /Temperature information

Support **SSL & SNMP**, user can use public email like Gmail / Hotmail / Yahoo mail to get the advice of outlet status change. User can also **control by** e-mail without doing port forwarding / port mapping and search the other IP Device in webpage directly.

Not only control manually, 9820MT supports **Auto Ping, Time Scheduler** which is more suitable for factory / office / home automation. 9820MT can auto control one outlet as **DI get status change** (Dry contact) Or use the **IR remote controller** - without web browser operation

User can connect **USB Power Bank**, has one **12V 1A power out** (un- controllable). has **QR code** of different network to log in fast and easy , can BACKUP the setting and export the same setting to multiple IP POWER to make the installation procedure more efficient, apply Own Language display in webpage.

For system integrator developing, there are several popular tolls like, **MQTT ***, **UPNP ****, Telnet, SNMP and HTTP / CGI Command (Web-API) for.

* MQTT 1.3.1 Cloud IoT protocol - supports

Cloud IoT Server of Microsoft AZURE, Google Cloud IoT & Amazon AWS IoT

** UPNP -- No need to do " port forwarding " from router, simply enter webpage via Wan (user's router need to support UPNP)



2. Product information

2.1 Features

1. 8 ports individual Remote power switch for power On, Off and Reboot.
2. Web Server built-in design, directly control by web browser in PC & Smartphone (WIN, Android & iOS) , like Edge, Google Chrome , Safari.
3. Network connection : DHCP, Static IP & UPNP (**),
4. Network Protocol -- **HTTPS** / SSL, **IPv6**, SNMP(MIB), **mDNS**, NTP, DHCP, TCP/IP, SMTP, UDP, DDNS.
5. HIGH Power usage inquire :
 - Adopt high grade Component & Relay for better quality / performance / durability
 - Maximum current per outlet : **15 Amp / 100VAC (IEC 320) or 10 Amp / 240VAC (NEMA)**
 - Maximum current total 8 outlets: **20 Amp / 100VAC or 15 Amp / 240VAC**
6. Detect the consumed of Current, Voltage & external Temperature
 - Voltage Range : 90 ~ 260VAC
 - Current Range : 1 ~ 10 Amp
 - Temperature : -20 ~ 70°C / -4 ~ 158°F .And Alarm as over setting by beeper and by e-mail
7. **SYSLOG** : Support Log function & send to assign IP address
8. 2 USB ports
 - A. USB1 for :
 - USB Temperature& Humidity Sensor 8871 & USB e-Meter 8870
 - USB to RS232 data transfer. (need external board)
 - 4G / NBIOT Dongle - HUAWEI E8372
 - B. USB 2 for Power Bank Input
9. Time Schedule - can pre-set a suitable time to turn power on / off automatically.
10. **Auto Ping** for network control & segment management automatically
11. Higher grade Component & Relay for better quality / performance / durability
12. **Back Up** for quick setup for multiple devices like Time Schedule, Network Setting.
13. Support public e-mail -- @gmail. , @yahoo , @hotmail etc.
14. **E-mail Control** & Advice :
 - Receive e-mail with IPs device boot up.
 - POP3 Control--Control each outlet ON/OFF through E-mail.
15. Protection of " FUSE " & " **Inrush Current - Power Surge** " - fit for Light control application
16. **App "IP Power "** – free download in Google play or App Store
 - Controls the outlet power ON/OFF without doing Port Forwarding / Port Mapping
 - Quick search in LAN / WAN (like IPEDIT & IP Service)
17. QR Code detection for easy & fast apply on

18. Arrange own language display in webpage

Web API : CGI / HTTP command , SNMP(MIB) , Telnet ,**Modbus TCP/IP , BACnet/IP & MQTT** (***)

** UPNP -- No need to do “ port forwarding ” from router, simply enter webpage via Wan (user’s router need to support UPNP)

*** MQTT 1.3.1 Cloud IoT protocol - Cloud IoT Server of Microsoft AZURE, Google Cloud IoT & Amazon AWS IoT.

19. Specific software developed by Aviosys and provided free of charge :

- Web API Available : HTTP Command (Compatible with 9820MT)
- IP Power Center - control multiple Aviosys IP devices in same AP.
- CNT software (Cross Network Technology)- allows user eliminate set up work on any Router without port forwarding- No Need to do Port Forwarding, simply Plug & Play.

2.2 Specification

● INLET

Input plug	IEC60320 C20 . 50 - 60Hz
Voltage	100-240VAC Auto sensing
Protection	Fuse 250VAC 15 Amp (9820MT-S) (IEC320 C13) Fuse 100VAC 20 Amp (9820MT-T) (NEMA 5-15)

● OUTLET

Output plug	● 9820MT-S: IEC 320 C13 * 8p or ● 9820MT-T: NEMA 5-15 * 8p
Maximum current per outlet	15 Amp / 100VAC (IEC 320) or 10 Amp / 240VAC (NEMA)
Maximum current of total loading	20 Amp / 100V or 15 Amp / 240V

● PHYSICAL & ENVIRONMENT

Dimension (W x D x H)	450 x 170 x 45 mm
Unit Weight	1.60 kg
Operating Temperature	- 20°C ~ 70°C or -4°F~ 158 °F
Warranty	Standard 1 year

2.3 Minimum System Requirements

Web Browser of WINDOWS / iOS / Android : Google Chrome, Safari, Edge and so on.

Network connection for Internet connection.

Internet HUB & Switch (with RJ45 port)

2.4 Package Contents

9820MT, EARs (with screws), DI connector and Cable adapter.

2.5 Interface

Front View



From Left side to right side

Network & USB :	Network Connection : For 10/100 Mbps network . There are 2 network RJ45 connect : NET1 - Green - for network connection NET2 – Gray - for by pass as hub function only Please connect NET1 to the Router/ Hub / IP Switch. 2 USB Connection : A.. USB 1 for : - USB 887X : 8871 & 8870 - USB to RS232 serial port - 4G / NBIOT Dongle - HUAWEI E8372 B. USB 2 for Power Bank Input
LINK	For network connection .
Number 1 to 8 - Outlet status	To indicator the power ON /OFF status of each outlet Light in Green : power ON Light in RED : power OFF
Reset :	To reset to original manufacture settings, hold down the reset button with a sharpen pin for 10 seconds then release. There are THREE beeps response (short — mid long – short) which means reset successfully and 9820MT will be rebooted itself(one beep after reboot) and most information go back to default setting.

Temp :	This is the Temperature Sensor (RED , on board) to detect the temperature around of 9820MT. The detect range is -20 ~ 70 °C / - 4 ~ 158°F .
IR :	This area is for receiving the signal from handheld IR remote controller
DI :	Dry Contact
Power Light :	Device power .
DC 12V Out	Supply DC 12V 1A power.
LCD Display :	Show the IP address , Temperature, Voltage and current of each port .

Rear View

 IP Power 9820MT-S IP Power 9820MT-T	
From Left side to Right side	
Power Inlet :	100~240 VAC & 50~60HZ , IEC320 C20.
Power Switch:	The Power switch turns on the input power.
Breaker Reset :	This is Fuse protection to prevent electrical surges from damaging the unit. The 9820MT comes with one spare fuse in the unit.
8 Outputs:	9820MT-S : IEC 320 C13 . The Maximum current of each outlet is 10A / 240VAC . 9820MT-T : NEMA 5-15 . The Maximum current of each outlet is 15A / 100VAC

3. Setting up your device

3.1 Before Starting

*Before setting up the device make sure of the following:

- 1.) All the package contents are all included if anything is missing please contact the dealer where the device was purchased from.
- 2.) Check the power input cable is working correctly.
- 3.) Check all cables to make sure there are no problems with it.

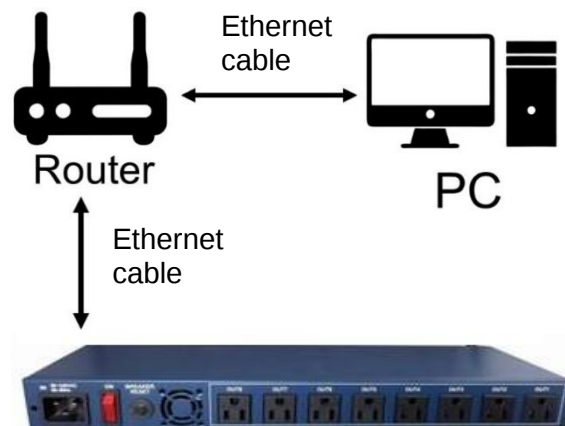
3.2 Hardware Connection

Before hardware connection, please make sure that there is no more than 2 network card (include dynamic network card) . If there are more than two network card in your PC. You may not get the IP address of 9820MT

The default setting for 9820MT to get IP is DHCP mode - get IP form Router. If user do not use router and connect the 9820MT to your PC directly or connect to HUB which have no DHCP function, the connection sequence of network cable and power cord are different. Please refer following procedure :

A. 9820MT ----- Router ----- PC (with Web browser)

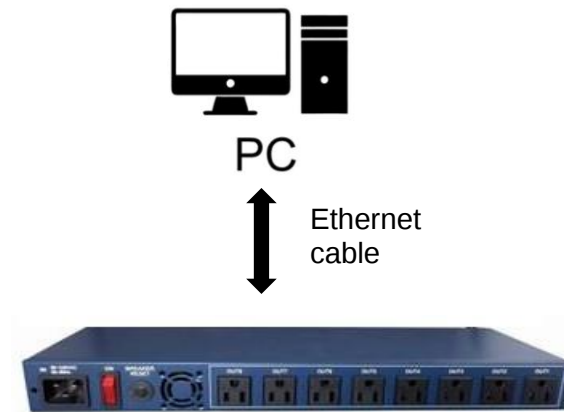
- 1.) Connect the Ethernet cable (RJ45) to the 9820MT to your local area network.
- 2.) Then connect the power cable into the power input port of the 9820MT.
- 3.) Connect the device that you would like to control to the output plug on the top of the 9820MT.
- 4.) Switching the power source to ON status, this switch is located at the rear of 9820MT.
- 5.) After power on for around 45 seconds, there is a short beep sound for 9820MT which means the system reboot successfully



B. 9820MT ----- PC (with Web browser) or HUB

If you select to connect to PC directly, please connect the RJ45 cable to 9820MT after 1 minutes as power on of the 9820MT device. power hear the beep sound of 9820MT DO NOT connect the RJ45 as power ON

- 1.) Connect the power cable to 9820MT and press the power switch to ON
- 2.) After 9820MT power on for around 60 seconds, there is a short beep sound for 9820MT which means the system reboot successfully.
- 3.) Then Connect the Ethernet cable (RJ45) to the 9820MT to your PC.
- 4.) Execute the software IPEDIT.exe to get the IP as **192.168.1.169**
- 5.) Please make sure the IP address of you PC is also 192.168.1.X / XX/XXX or you may not log in the 9820MT webpage in 192.168.1.169



3.3 Software Installation

Please Go to www.aviosys.com/cd . The note with this online CD link comes with the package .

IP Power Software:

IP Edit (Required)

IP Power Center *(For multiple IP Power devices control purpose)

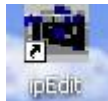


1.) Select the IP Power 9820MT



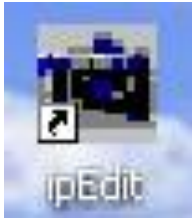
2.) All the available downloads for the 9820MT will be shown

3.) Download the required software – **IPEdit.exe** - by clicking on the download button.



Then you can select to connect 9820MT.

3.3.1 LAN connect by IP Search software “ IPEDIT ”



IP Edit is a search tool designed to search, configure, or access the IP Power 9820MT from a local networked computer.

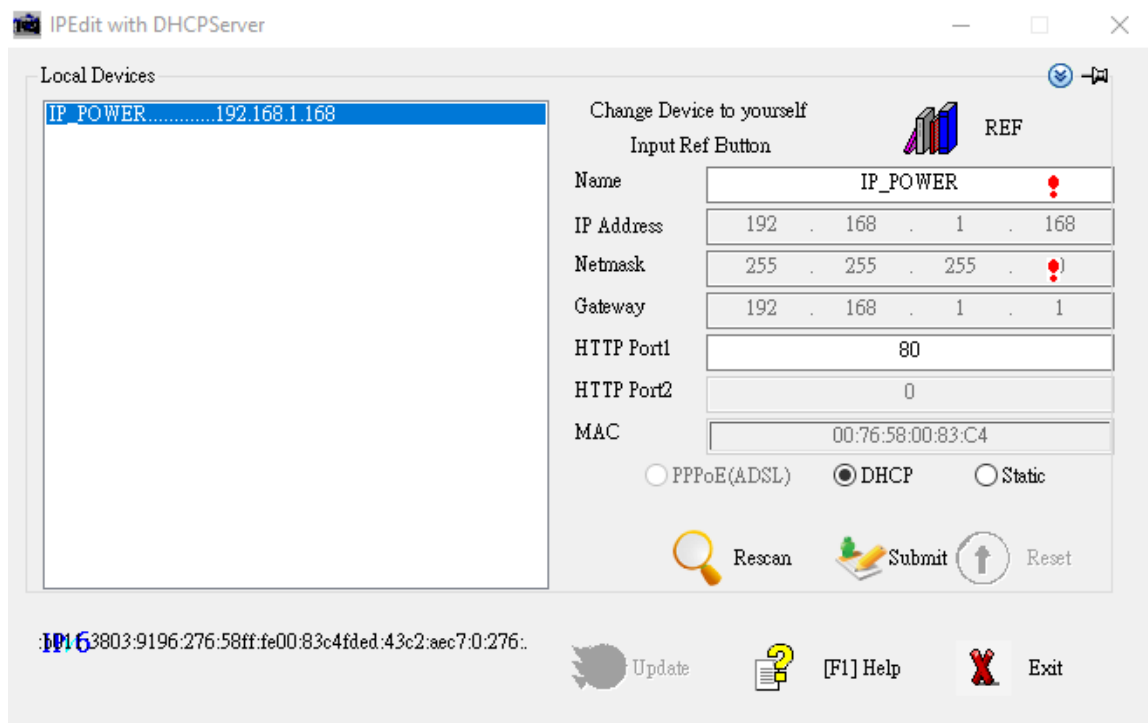
IP Power 9820MT Default Login / Password

Default IP: 192.168.1.168 (if there is no DHCP router assigned IP)

Default Login username : admin

Default Password: 12345678

- 1.) In the local devices section user will see user device show up if connection correctly.



Notice :

**If can't see the IP in the area of Local Devices of IPEDIT.exe.
Please check the following situation**

1. **Boot up successfully** : Please reboot the 9820MT and check if there are 1 short beep after 1 minutes. This beep means the device boot up successfully.
If not, the device may have issue.
 2. **Network card** : Please check if there are more that two network card – include wire / wireless / dynamic - in the PC which used IPEIT software. IPEDIT only support single network PC, please disable the other network connection / functions.
 3. **Anti Virus software / Firewall** : Please turn off the antivirus software firewall temporary.
 4. **Power** : If there is no power go to 9820MT, please check the fuse part. There will be no power for 9820MT if the fuse buttons is pup up - not easy/flexible to press as it was – by over loading for long time, please press the fuse back and the power will go to 9820MT to boot up.
 5. **Connection** : Please make sure that the 9820MT is under same router with the PC used IPEDIT. It is fine to connect across multiple routers but it need to setup the MASK part which need some knowhow.
- 2.) Select the 9820MT device and the device information will pop up on the right.
 - 3.) Check to see that the gateway IP and the IP Address (9820MT) match user current network.

If not, type in the correct information, then hit the submit button to save changes.

For example:

If user have the following information regarding the 9820MT and user network

User PC Network :

Computer IP Address: 192.168.1.122

Gateway: 192.168.1.1

Sub Net mask: 255.255.255.0

Port: 80

User 9820MT in IPEDIT :

9820MT IP Address: 192.168.100.34

Gateway: 192.168.100.1

Sub Net mask: 255.255.0.0

Port: 80

Since the IP Address of the 9820MT is : 192.168.100.34

User will need to make sure that the first 3 segments of user 9820MT IP Address must match the first 3 segments of user gateway IP.

First 3 Segment of Gateway Address: 192.168.1.X

So user new IP Address for the 9820 MT should be: 192.168.1.X

New Network Information

9820 MT IP Address: 192.168.1.26

Gateway Address: 192.168.1.1

Local Computer IP Address: 192.168.1.122

Sub Net mask: 255.255.255.0

Port: 80

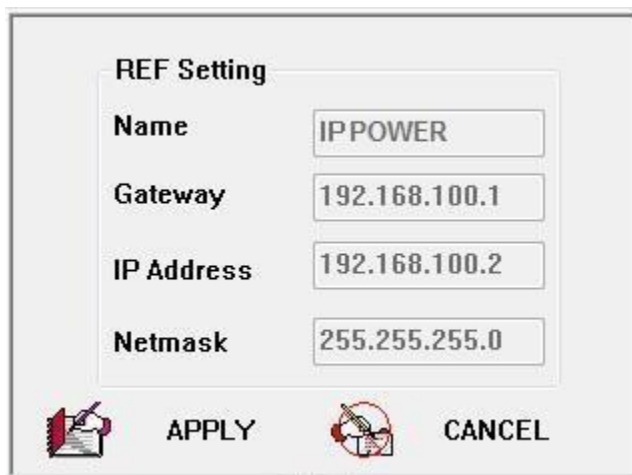
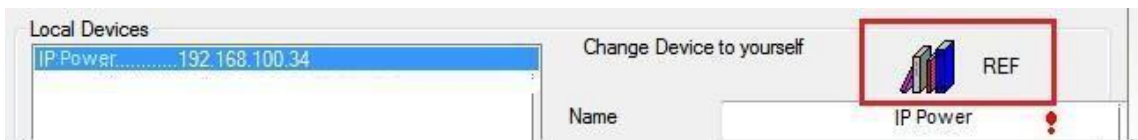
- 4.) Press the “ Rescan “ button to see if changes have been made.
- 5.) Double click on the device in the local device section and an IE web browser with the device login will pop up.
- 6.) Type in the default Login and IP Address to enter the device.

Default Login : admin

Default : 12345678

Notice :

* User can click " REF " in IEPDIT to auto search proper IP setting for 9820MT. It will take few minutes to show the suggest wizard.



Please click “ APPLY ” as seeing the suggest wizard, click " yes " to ignore the remind message of IP being used and then type the Username and Password to change the IP setting

Username : admin
Password : 12345678

Notice :

Segment : The first 9 digits of the IP Address .

EX: The IP of user PC is 192.168.100.122. If the “ Local IP Address “ is 192.168.100. x (X can the value of 1~252) , user PC can get into the webpage of 9820MT.

3.3.2 Internet Setup

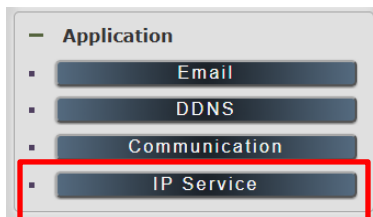
To connect the IP Power 9820MT on Internet, there are two ways

- Setup Port Mapping / Port Forwarding in your router. Please check your Router owner's manual.
- Use our own software “ IP Power Center ” : Please refer to the “IP Power Center ” manual in software section of www.aviosys.com/cd

3.3.3 Using IP Service

IP Service is a function which allows user to search for the device easily without having to remember long complicated IP address. Instead, if user know the device's name of user IP Power device and user can easily find IP Address with IP Service. **To log in the webpage of 9820 MT on Internet, user still need to do the “Port Forwarding ” in own router.**

Before using “IP Service ”, please change the device name of user 9820 MT to avoid similar name in Host Server.



IP Service Setting (Search)	
Enable	☐
IP Service Server :	Server1 ▾
Device Name :	IP POWER
Country :	Country
City :	City
myipedit login Account	
Find IP_POWER_9820MT device on myipedit.com	
Apply	

CNT(MQTT) Setting (Remote control)	
MQTT Service	IPPower ▾
Enable	☐
Status	
Apply	

1.) Open IP Edit and select the server that user's 9820MT is designated to.

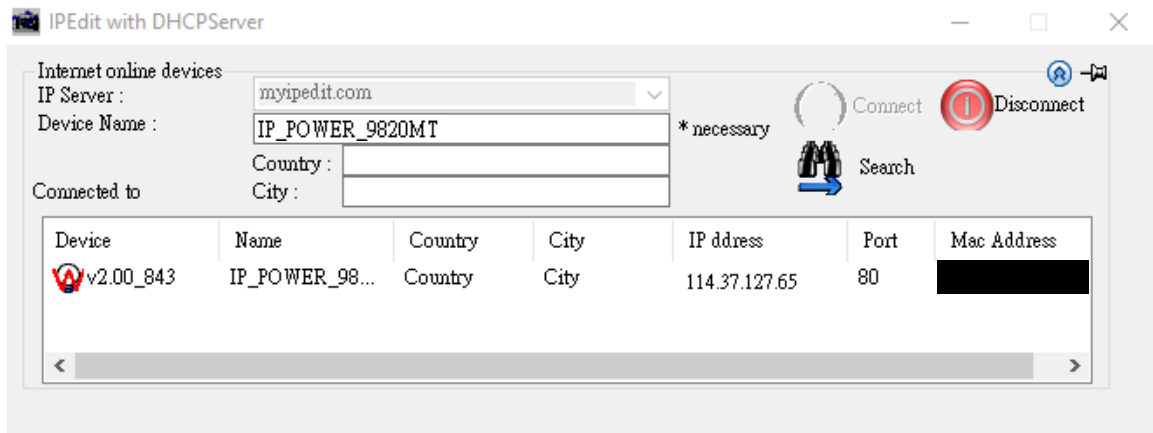
2.) Hit the Green Connect button on the top of IP Edit.



3.) Then type in the 9820MT Name that user have selected for the device and press the Search button.

4.) Find user device and double click on the screen and a IE window will pop up connecting to user device. **User device must be Port Forwarded for the login screen to appear.*

EX: The 9820MT device name as IP_POWER, and user can search the device easily :



5.) After user have connected to user device, type in the Login and Password for user device

3.3.4 mDNS connection

You can log in to your IP9820MT without using its IP address. With mDNS support, you only need to type: "ippowerXX.local" to access the 9820MT web UI.

Please locate your MAC address, which is on the side of your device.

Or find the MAC address in "**System → information**"

Use the last two digits of the IP9820MT MAC address to connect.

To find your mDNS, please move to **P.58(4.5.2)** first, you can find in "System → information"

and follow the instructions below.

(1) Find your device's MAC address, which is located on the side of your device.

MAC example: 00762000D633

(2-2) Open any web browser (recommend Chrome, Edge)

(2-3) In the address bar, type " ippowerXX.local ", where XX is the last two digits of your IP9820MT MAC address.

Example: If the MAC address is 00762000D633, type " ippower55.local "

After typing the address in your browser's address bar, press enter. You will see the login screen. Indicating that you have successfully connected to your IP9820MT.

4. Web Interface

Once the 9820MT has been setup correctly, log into the device.

The default Username and Password for the 9820MT

Username : admin

Password: 12345678

The Control Console

The Right side Menu of the Web Interface control the functionality and setup of the IP Power 9820MT.



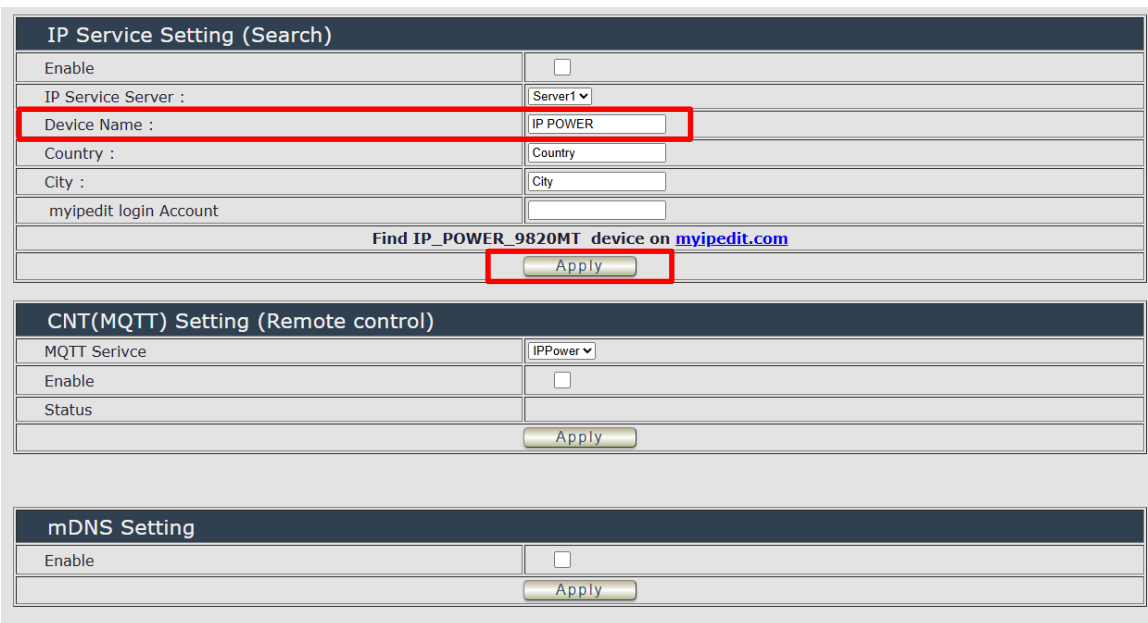
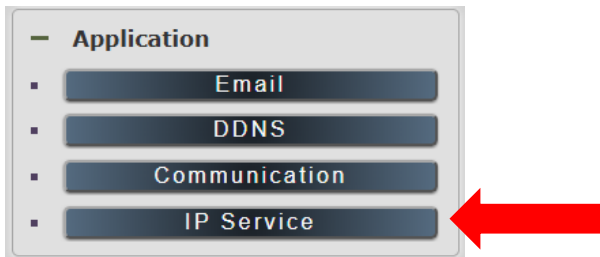
The IP Power 9820MT Console consists of six main sections which will be explained in details below.

1. **Top Column** : Device name & Column Display (for smart phone).
2. **Information** : Time, Temperature, Voltage, DI status, USB information, Outlet name & Current Amp value.
3. **IO Control** : Control, Schedule, Ping, M2M mode
4. **Network** : Setting
5. **Application** : Email, DDNS, Communication & IP Service
6. **System** : Management, Information, SysLog & Firmware
7. **Logout**
8. **Firmware version**

4.1 Top Column

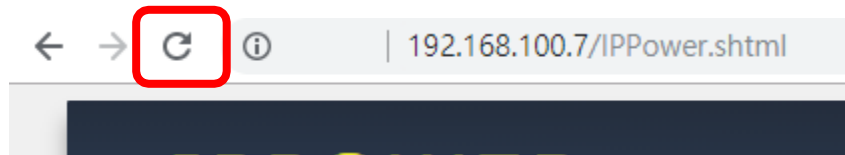
4.1.1 Device name

This section show the device name. You can change the device name here : Application → IP Service → Device name Change name “ IP POWER 9820MT ” as “Enjoy 9820MT “

A screenshot of the "IP Service Setting (Search)" form. The form has several fields: "Enable" (checkbox), "IP Service Server" (dropdown menu showing "Server1"), "Device Name" (text input field containing "IP POWER", highlighted with a red box), "Country" (text input field), "City" (text input field), and "myipedit login Account" (text input field). Below the fields is a link "Find IP_POWER_9820MT device on myipedit.com" and an "Apply" button (highlighted with a red box). Below this is the "CNT(MQTT) Setting (Remote control)" section with "MQTT Service" (dropdown menu showing "IPPower"), "Enable" (checkbox), and "Status" (text input field), followed by an "Apply" button. At the bottom is the "mDNS Setting" section with "Enable" (checkbox) and an "Apply" button.

Notice : Please do not use symbol like !@#\$%^&*()_+ as the character of the device name .

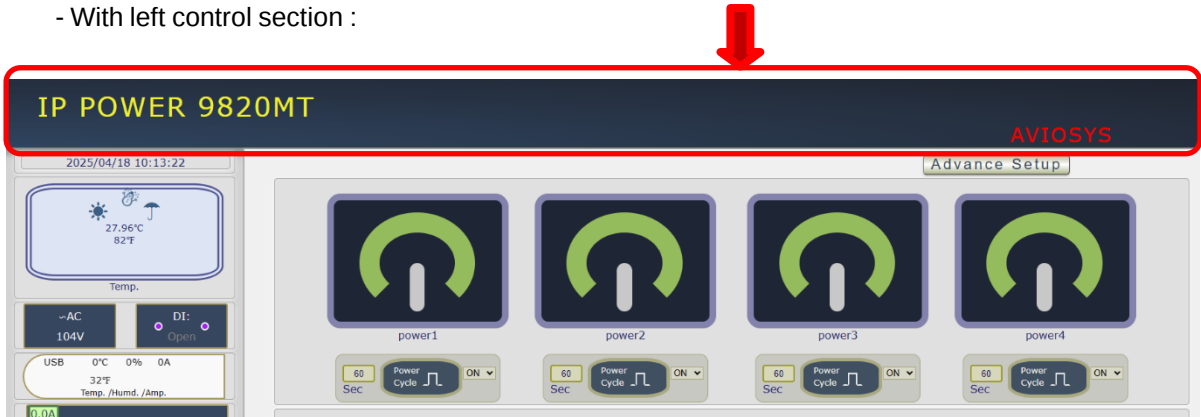
After apply the change, please click “ Refresh ” of the webpage to get the display update.



4.1.2 Column Display

For Smartphone user to control 9820MT easily, user can select to show or to hide the left control section by pressing the blue area near device name for Smartphone control :

- With left control section :

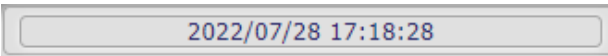


- Without left control



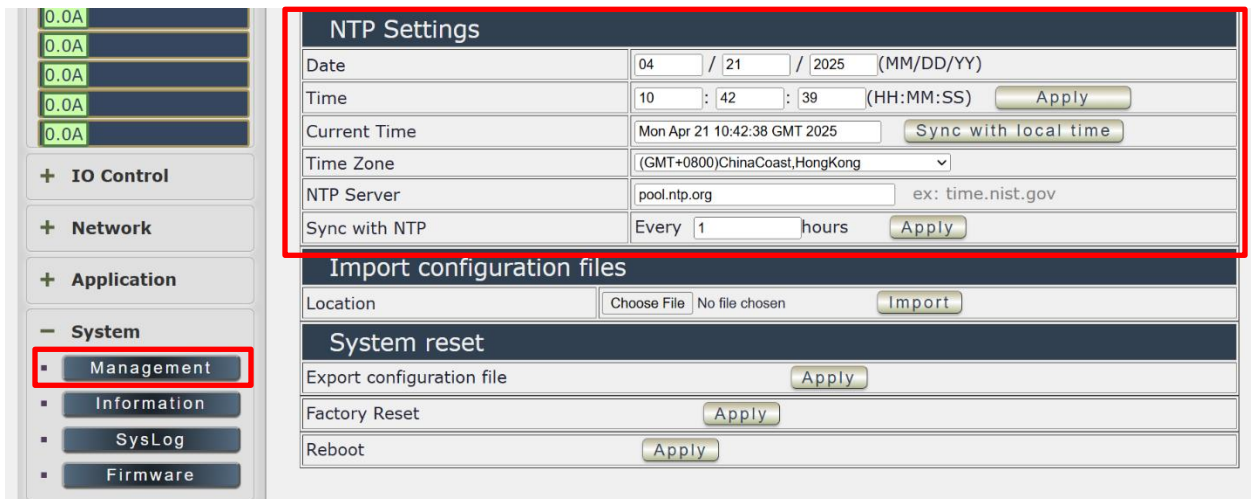
4.1.3 Time

In this section, it shows Time at Year – Month – Date Hours : Minutes : Seconds.



To setup the Time , Please go to “ System → Management → NTP Settings ”, please press “Apply” to save the new setting. There are 3 time sync solution:

Time - Manual setting, Current time - sync with Local PC or NTP Server



1. Time - Manual setting : fill the assigned time and then click “Apply ” in time section
2. Current time - sync with the local PC log into 9820MT.
3. NTP Server - sync with the assigned sever and can setup the times for sync

Notice : As using NTP server, as webpage time count will be slower than the device time, please refresh the webpage or use the TELNET command “ date ” to confirm the device time.

```
IP_POWER login: admin
Password:

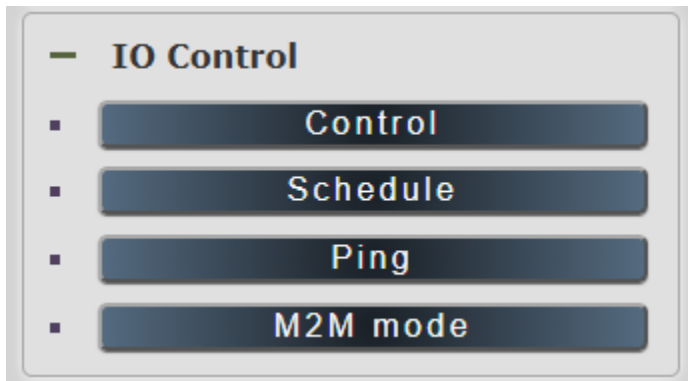
BusyBox v1.12.1 (2019-07-08 01:01:56 PDT) built-in shell (ash)
Enter 'ioctrl -h' for a list of built-in commands.

# date
Mon Oct 7 13:54:37 GMT 2019
#
```

4.2 Power Control

The IO Control Section allows you to directly / automatically control the outlets of the 9820MT as well as schedule Daily, Weekly, and Monthly power cycles.

There are 4 sections: Control, Schedule, Ping and M2M mode



4.2.1 Control

There are 2 setting pages in this Section. One is “Power Control” and another one is “Advance Setup”

A. Power Control :



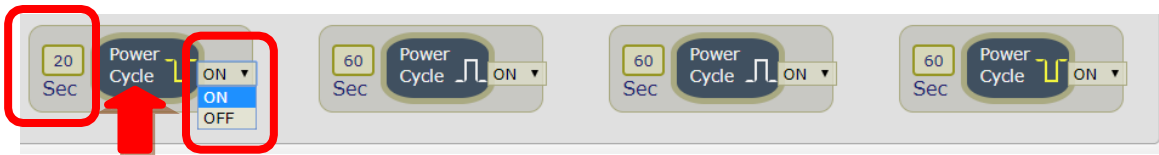
User can do the following 3 basic operation in this page :

1. Manually Control : Each port ON or OFF directly by pressing the button.

For example : The following pictures means that Power #1 & #4 is ON, Power #2 & #3 is OFF

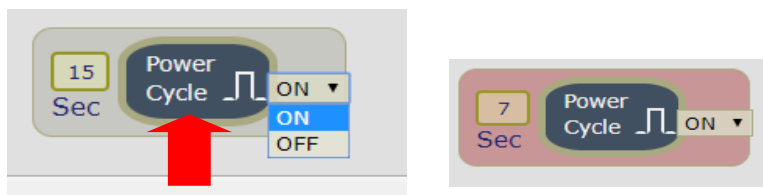


- 2 Power Cycle : Manually Control the relay delay some times to turn ON or OFF.
The relay cycle time can be set from 1 to 9999 seconds



- As ON, Select OFF and press "Power cycle " then the outlet status is ON → OFF.
- As ON, Select ON and press "Power cycle " then the outlet status is ON → OFF → ON.
- As OFF, Select ON and press "Power cycle " then the outlet status is OFF → ON.
- As OFF, Select OFF and press "Power cycle " then the outlet status is OFF → ON → OFF.

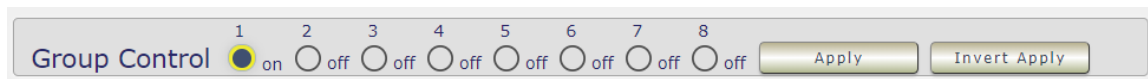
User can setup the time and the final status in power cycle as ON / OFF



For example : (sec = seconds)

	Original Outlet as “ ON ” , select final status as “ OFF ” & fill 3 sec. After press “ power cycle ” button, the outlet will be ON for 3 seconds and then turn OFF. ON (3 sec) → OFF
	Original Outlet as “ OFF “ , select final status as “ OFF ” & fill 15 sec . After press “ power cycle “ button, the outlet will turn ON for 8 seconds and then turn OFF . OFF → ON (15 sec) → OFF
	Original Outlet as “ OFF “ , select final status as “ ON ” & fill 15 sec. After press “ power cycle ” button, the outlet will turn OFF for 15 seconds and then turn ON. OFF (15 sec) → ON
	Original Outlet as “ ON ”, select final status as “ ON ” & fill 10 sec. After press “ power cycle “ button, the outlet will turn OFF for 10 seconds and then turn ON . ON → OFF (10 sec) → ON

- 3 Group Setting : User can control more than one outlet by press the right side “Apply” button. For safety concern, each port of 9820MT will turn ON or OFF one after one.



- Apply : Setup the ON/OFF by the buttons status.
- Invert Apply : Change the outlet status from ON to OFF, or form OFF to ON by one button control.

B. Advance Setup :

In this page, user can setup Name of each port, Notification, Power interval, Digit Input, LCD display, Shutdown On LAN Settings, Wake On Lan Settings etc..

Port Name Setting								
Outlet1	Outlet2	Outlet3	Outlet4	Outlet5	Outlet6	Outlet7	Outlet8	
power1	power2	power3	power4	power5	power6	power7	power8	

Notification Setting								
Name	power1	power2	power3	power4	power5	power6	power7	power8
Forbidden off manually	☐	☐	☐	☐	☐	☐	☐	☐
Forbidden Power cycle	☐	☐	☐	☐	☐	☐	☐	☐
Email Alerts	☐	☐	☐	☐	☐	☐	☐	☐
Beep Alert	☐	☐	☐	☐	☐	☐	☐	☐
Power Cycle Time	60 Seconds	60 Seconds	60 Seconds	60 Seconds	60 Seconds	60 Seconds	60 Seconds	60 Seconds
Current (1~10)Amp	8	8	8	8	8	8	8	8
Temperature Limit: (-20~70) °C	None	None	None	None	None	None	None	None
Low: 0.0 High: 60.0 Beeper								
Voltage Limit: (90~260V)	None	None	None	None	None	None	None	None
Low: 90 High: 260 Beeper								
Default Power Delay Enable	11 Seconds	12 Seconds	13 Seconds	14 Seconds	15 Seconds	16 Seconds	17 Seconds	18 Seconds
Default Power Status	LAST	LAST	LAST	LAST	LAST	LAST	LAST	LAST
Apply								

Digit Input Setting			
DI Name	Beep Alert	E-mail Alerts	Action
DI1	OFF	OFF	Undo
Apply			

Lcd Display Setting						
T/V/IP	IP	I1~4	I5~8	backlight ON	backlight OFF	Loop
☒	☐	☐	☐	☐	☐	☐
Apply						

USB Device						
Enable	Humi Low	Humi High	Temp Low	Temp High	Ampere Low	Ampere High
None	10 %	99 %	-20 °C	79.9 °C	0 Amp	10.2 Amp
Apply						

Power interval	
Enable	Interval time(1~5sec)
☐	3 Sec
Apply	

WOL & SOL trigger Relay
OFF
Apply

Shutdown On Lan Settings		
Name	Delay Time	
power1	60 Seconds	Send
power2	60 Seconds	Send
power3	60 Seconds	Send
power4	60 Seconds	Send
power5	60 Seconds	Send
power6	60 Seconds	Send
power7	60 Seconds	Send
power8	60 Seconds	Send
Apply		

Wake On Lan Settings		
Name	MAC	Wakeup
power1	000000000000	Send
power2	000000000000	Send
power3	000000000000	Send
power4	000000000000	Send
power5	000000000000	Send
power6	000000000000	Send
power7	000000000000	Send
power8	000000000000	Send
Apply		

B.1 Name of each port

User can name each power by click the name above the power button. The number of character is max. **12** characters and Please change the name in English only and do not use symbol like !@#\$%^&*()_+

Note : Please change the name in English only and do not use symbol like !@#\$%^&*()_+

Example : Change the outlet #1 from “ power1 ” to “ server-001 ”

Port Name Setting

Outlet1	Outlet2	Outlet3	Outlet4	Outlet5	Outlet6	Outlet7	Outlet8
power1	power2	power3	power4	power5	power6	power7	power8

Please enter Power1 name:

OK Cancel

Power Control

AVIOSYS

After click “ok”, the page will go to “ power control ” page to show the update name.

IP POWER 9820MT

2025/04/25 11:13:55

Temp. 28.64°C 83°F

~AC 104V DI: Open

USB 0°C 0% 0A 32°F Temp./Humd./Amp.

Power Control

server-001 power2 power3 power4

60 Sec Power Cycle ON

B2. Notification setting

User can do several notification here.

Notification Setting

Name	power1	power2	power3	power4	power5	power6	power7	power8
Forbidden off manually	☐	☐	☐	☐	☐	☐	☐	☐
Forbidden Power cycle	☐	☐	☐	☐	☐	☐	☐	☐
Email Alerts	☐	☐	☐	☐	☐	☐	☐	☐
Beep Alert	☐	☐	☐	☐	☐	☐	☐	☐
Power Cycle Time	60 Seconds	60 Seconds	60 Seconds	60 Seconds	60 Seconds	60 Seconds	60 Seconds	60 Seconds
Current (1~10)Amp	8	8	8	8	8	8	8	8
Temperature Limit: (-20~70) °C	None	None	None	None	None	None	None	None
Voltage Limit: (90~260V)	None	None	None	None	None	None	None	None
Default Power Delay	11 Seconds	12 Seconds	13 Seconds	14 Seconds	15 Seconds	16 Seconds	17 Seconds	18 Seconds
Default Power Status	LAST	LAST	LAST	LAST	LAST	LAST	LAST	LAST

Apply

- Forbidden off manually: Select by port will disable the power control in webpage. The disable is for the control in webpage only. The control through HTTP command is still working.

For Example : Select the control in webpage of power 1 & power4 for be disable

Notification Setting				
Name	power1	power2	power3	power4
Forbidden off manually	☒	☐	☐	☒

Then the page will be as following :



- Forbidden power cycle : Select by port will disable the power cycle control in webpage. The disable is for the control in webpage only. The control through HTTP command is still working.

For Example : Select the power cycle control in webpage of power 1 & power 2 for be disable

Notification Setting				
Name	power1	power2	power3	power4
Forbidden off manually	☐	☐	☐	☐
Forbidden Power cycle	☒	☒	☐	☐



- Email Alerts :

User can enable /disable the e-mail alarm here. The e-mail alarm section allows 9820MT to notify user by following situation :

- Receive E-mail with IP information & MAC Address as 9820MT device boot up.
- Receive E-mail as ON/OFF status change in each output.

To get E-mail about of power status, please go to “ Application” → E-mail.

Notification Setting				
Name	power1	power2	power3	power4
Forbidden off manually	☐	☐	☐	☐
Forbidden Power cycle	☐	☐	☐	☐
Email Alerts	☐	☒	☒	☐

- Beep Alarm Setting:

User can setup the operation beep (short time beep) sound here.

Notification Setting				
Name	power1	power2	power3	power4
Forbidden off manually	☐	☐	☐	☐
Forbidden Power cycle	☐	☐	☐	☐
Email Alerts	☐	☐	☐	☐
Beep Alert	☐	☐	☒	☒

- Current Alarm Setting: to enable the protection as over current and setup the maximum value. The range of each outlet is 1~ 10 amp . As over the setting value, 9820 will keep beeping for several times and then turn OFF the power output automatically.

Over Current Protection (Max. Current limit)

There has “ over current protection” in 9820MT. As the Amp value of power number is over the setting or over the maximum value 10 Amp, 9820MT will automatically turn off that power A in few seconds . There is an alarm with beep sound and via e-mail advice as over current. The alarm can be enable or disable for each power in Alarm setting of Power Control in IO Control section.

As the detected Amp value is over the current limit setting, 9820MT will keep short 2 beep for several times to remind the over loading issue happened and then turn off that output after a long beeping .

- Temperature Alarm Setting: to enable the protection as over temperature and setup the maximum value of temperature. The range is at -20 ~ 70 °C / -4 ~ 158 °F . As over the setting value, 9820 will keep beeping for several times and then do the setting ON/OFF/None by user.
- Voltage Alarm Setting: to set up the maximum value of current limit. The range is at 90~ 260 VAC. As over the setting value, 9820 will keep beeping for several times and then do the setting ON/OFF/None by user.

For safety concern, each port of 9820MT will turn ON or OFF one after one

- Default Power Status : The control section allow user to set the power status on ON or OFF or LAST when the device get power rebooted . As select “Last “ , the output will be at the same status ON / OFF before the device power turn off . To save the setting here , please click “Apply “ button .

Default Power Status				
	LAST ▼	LAST ▼	LAST ▼	LAST ▼
Apply				

- Power cycle time setting :

Power Cycle Time Setting				
Name	power1	power2	power3	power4
Power Cycle Time	60 Seconds	60 Seconds	60 Seconds	60 Seconds
Apply				

- Shutdown On Lan Settings :

Shutdown On Lan Settings				
Name	power1	power2	power3	power4
Delay Time	60 Seconds	60 Seconds	60 Seconds	60 Seconds
Apply				

9820MT can be used to safely turn off the **WINDOWS or LINUX** system through Network. With this feature you can remotely shutdown any system which that is connected to the IP Power 9820MT through normal Windows / LINUX shut down procedure. Before operating the software shutdown function it is essential to install our software.

Please check the software in the SDK section of package CD .
File name : Shutdown_On_LAN

**NOTE : The delay time setup in this section is for “ Shutdown ON LAN ” procedure.
Not for outlet ON/OFF function**

- Digit Input (DI) Setting:

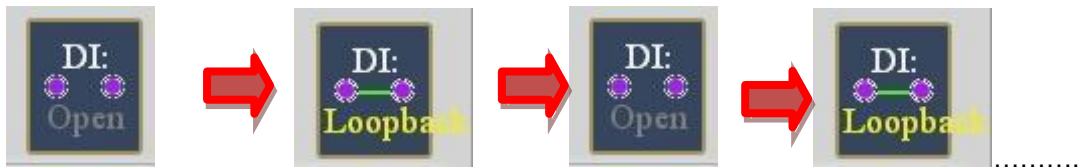
- Enable /disable the email / beep alarm as DI status change
- Setup Auto Control on one outlet to be ON/OFF /NONE as DI (Dry Contact) status change . Do the Action at one time only

Digit Input Setting			
DI Name	Beep Alert	E-mail Alerts	Action
DI1	OFF ▾	OFF ▾	Undo ▾

Apply

For example :

Outlet #1 is OFF. Setup the power outlet “ power #1 ” to action “ON” as DI status change



Outlet status : OFF → ON → ON → ON

- LCD Display :

Lcd Display Setting						
T/V/IP	IP	I1~4	I5~8	backlight ON	backlight OFF	Loop
☒	☐	☐	☐	☐	☐	☐

Apply

User can select the display contents in LCD panel :

- Show either fix contents - “ T/V/IP = Temperature / Volt / IP “ or “ IP “
“ Current of outlet #1~ #4” or “ Current of outlet #5~ #8

Or

Loop:

- “ Temperature Volt / IP “ , “ IP “ , “ Current of outlet #1~ #4” ,
“ Current of outlet #5~ #8 “ display in turns.
- Adjust the back light on / off the LCD panel .

- Wake on Lan settings :

This is a application for PC / Server / Main board which had been enable the “ WAKE ON LAN ” function in own setting. User need to know the MAC address of the PC /Server to do the wake up on LAN function.

Wake On Lan Settings		
Control Outlet	MAC	
power1	000000000000	Send
power2	000000000000	Send
power3	000000000000	Send
power4	000000000000	Send

1 Duration Mode ☐ Once ☐ Every Week ☒ Every Day

Date: From to

Time : : (Hr:Min:Sec)

Schedule power action ☒

Jason ☒

SOL
 Relay-ON
 Relay-OFF
 Relay-CYCLE
 WOL
 SOL

tony ☒

SOL

power3 ☒

Relay-OFF

power4 ☒

Relay-OFF

Global Ping Base Setting			
Ping Interval	5 Sec.	Response Time Out	900 ms.
Ping After Action Delay	5 Sec.	Action Max repeat times	1 (0=non stop)

Conditional Mode ☐ Single ☒ OR ☐ And

IP & Host Name	Failed times then action	Repeat	
www.baidu.com	03	Stop	Rule No1
www.sony.com	03		

Ping failure action ☒

Jason ☒

Relay-OFF
 Relay-ON
 Relay-OFF
 Relay-CYCLE
 WOL
 SOL

tony ☒

Relay-OFF

power3 ☒

Relay-OFF

power4 ☒

Relay-OFF

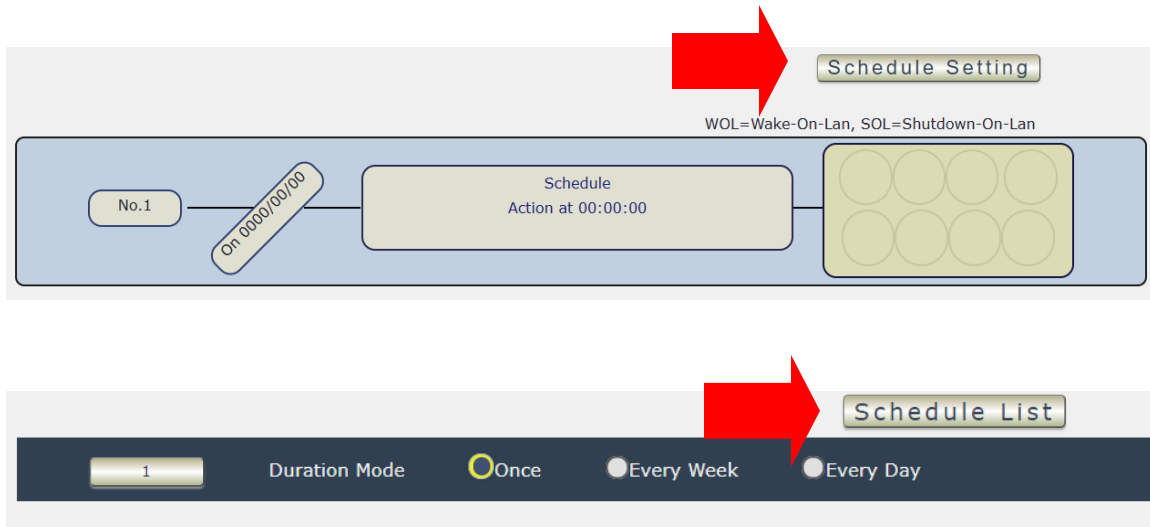
Ping 1

WOL=Wake-On-Lan, SOL=Shutdown-On-Lan

4.2.2 Schedule

In this section, user can see the setting schedule list first up to 29 rules. To setup each schedule, please press “ Schedule Setting ”, then user can get the “ Schedule List ” page as following :

Please click the button to switch between “ Schedule Setting ” & “ Schedule list ”:



The schedule allows you to control the power outlet or turn ON / OFF/ RESET at assigned time

- Adding a Scheduled Event

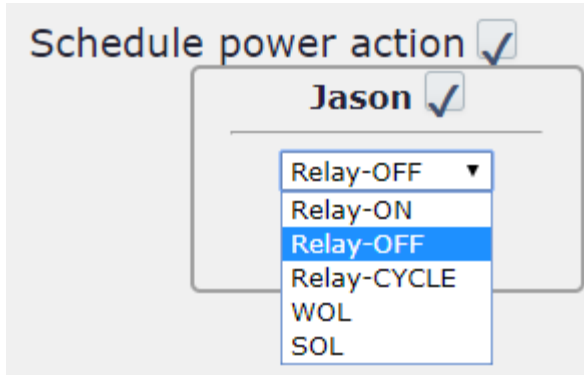
1. Select the Action Duration :

There are 3 setting - Once , Every Day . Every Week

2. Select a Specific Date Range where the device will repeat the desired actions during the time specified.

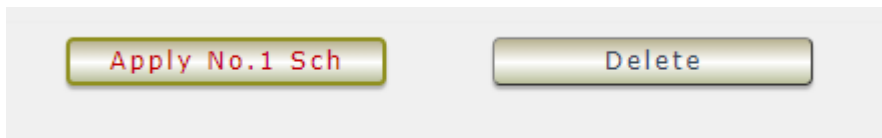
The screenshot shows the 'Schedule List' page. At the top, there is a 'Duration Mode' section with three radio buttons: 'Once', 'Every Week' (selected), and 'Every Day'. Below this is a 'Weekly select' section with checkboxes for 'Sunday', 'Monday', 'Tuesday' (checked), 'Wednesday', 'Thursday' (checked), 'Friday', and 'Saturday'. There is also a 'Date: From' field and a 'to' field. Below these is a calendar view for January, February, and March 2018. The calendar shows dates from 1 to 31. The date 19 is highlighted in green, and the date 26 is highlighted in red. The 'Time' is set to 00. The 'Schedule' section is partially visible at the bottom.

3. Select the Time Period.
4. Choose the Action : Enable power # by clicking in the small square to mark “ v “ , and select one from the power action of OFF/ON/RESET as you need. .



Once the scheduler has been Set Up , hit the “ ADD No.:X Power Schedule “ button and you will see your setting located on the bottom of the Action section .

- **Apply / Edit a Schedule Event :**



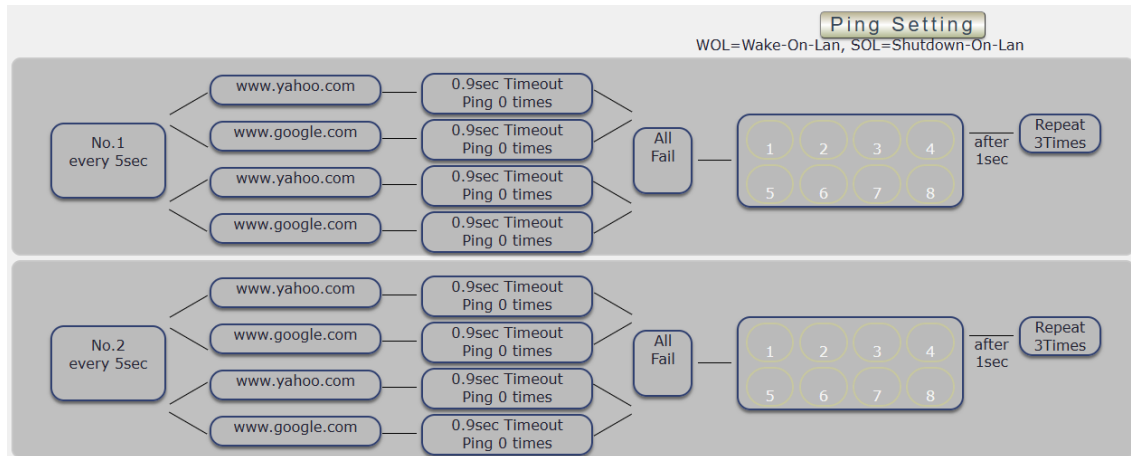
Please select the Rule you want to edit in Scheduler Table, Change the setting like Duration, Date, Time and Action. Then Press “Apply Np. X Sch “ button to confirm the setting and you will see the page refresh and new setting display in Scheduler list

- **Delete** - Click “ Delete “ button to remove a rule from the list .

4.2.3 Ping

The Ping function allows the device to Ping an IP Address automatically to act as a watchdog to make sure the device getting Ping and working properly. Please Click the button to switch between “ Ping Setting ” & “ Ping List ”. User can hide the setting section by press “ Ping List ”
There are 4 rules for Ping.

- Ping List Page :



- Ping Setting Page :

The screenshot shows the Ping Setting Page. At the top right, there is a button labeled 'Ping List' with a red arrow pointing to it. The page is titled 'Global Ping Base Setting' and includes an 'Apply' button. The settings are as follows:

Setting	Value	Unit	Setting	Value	Unit
Ping Interval	5	Sec.	Response Time Out	900	ms.
Ping After Action Delay	5	Sec.	Action Max repeat times	1	(0=non stop)

Conditional Mode: ☐ Single ☐ OR ☒ And

IP & Host Name	Failed times then action	Repeat
www.yahoo.com	00	Stop
www.google.com	00	Stop

Ping failure action ☐

There are 3 sections of the setting area :

1. Setting Rule Numbers :

User can click to select different rules numbers at the right side button “ Rule No: X “ as following pictures. There are 29 rules available.

The screenshot shows the Ping List Page. At the top right, there is a button labeled 'Ping List'. The page is titled 'Global Ping Base Setting' and includes an 'Apply' button. The settings are as follows:

Setting	Value	Unit	Setting	Value	Unit
Ping Interval	5	Sec.	Response Time Out	900	ms.
Ping After Action Delay	5	Sec.	Action Max repeat times	1	(0=non stop)

Conditional Mode: ☐ Single ☒ OR ☐ And

IP & Host Name	Failed times then action	Repeat
www.baidu.com	03	Stop
www.sony.com	03	Stop

A red arrow points to the 'Rule No1' button on the right side of the page.

2. Ping Base Setting :

Global Ping Base Setting			
Ping Interval	5 Sec.	Response Time Out	900 ms.
Ping After Action Delay	5 Sec.	Action Max repeat times	1 (0=non stop)

- Ping Interval : The number of seconds (Sec.) between each ping.
- Respond Time Out : The number of milliseconds (= ms.) of the device will wait for a response from the Pinged device if no ping is detected within this time it will be considered a Ping failure.
- Ping After Action Delay : After ping finished , do the action after setting seconds (Sec.)
- Action Max. repeat times: Set the times to execute the Ping Failure action
Set 0 means action non stop - Keep action & no limit times.

As setting finished, please click “ Apply ” to save the setting in this area, the webpage will refresh and user can see the final setting result. Ten different set up rules for different port.

3. Other Setting :

The setting here is for each rule.

Conditional Mode			
☐ Single ☐ OR ☒ And			
IP & Host Name	Failed times then action	Repeat	Rule No1
www.yahoo.com Check	00	Stop	
www.google.com Check	00	Stop	
☐ Ping failure action			
Apply Rule		Delete	

● Logic Mode :

User can select the action activate by one / two IP Host failure or either one fail

- Single : Execute Action by one IP Host failure.
- OR : Execute Action by either one IP Host failure as setting 2 pcs IP Host
- And : Execute Action by both IP Host failure as setting 2 pcs IP Host

Single : 9820MT will Ping one IP address. As the IP fail times reach to the setting times. Action (ON/OFF/RESET) will be activated.

Conditional Mode			
☒ Single ☐ OR ☐ And			
IP & Host Name	Failed times then action	Repeat	Rule No1
www.google.com Check	03	Stop	
		Continue	
☐ Ping failure action			
Apply Rule		Delete	

Ping 1

WOL=Wake-On-Lan, SOL=Shutdown-On-Lan

```

graph LR
    Start([No.1Ping every 5sec]) --> Baidu[www.baidu.com]
    Start --> Sony[www.sony.com]
    Baidu --> BaiduFail[0.9sec Timeout Ping 3 times]
    Sony --> SonyFail[0.9sec Timeout Ping 3 times]
    BaiduFail --> EitherFail{Either Fail}
    SonyFail --> EitherFail
    EitherFail --> Repeat[1 2 3 4]
    Repeat --> RepeatText[Repeat 1Times after 5sec]
    RepeatText --> Repeat
  
```

OR : 9820MT will Ping 2 IP address. Either one IP fail times reach to the setting times.
Action (ON/OFF/RESET) will be activated .

AND : 9820MT will Ping 2 IP address. Both IP fail reach to the setting times.
Action (ON/OFF/RESET) will be activated.

IP / Host Name	Failed times then action	Repeat
www.yahoo.com	03	Stop
www.google.com	03	
www.yahoo.com	03	
www.google.com	03	

Ping failure action ☒

power1 ☒ OFF

power2 ☒ OFF

power3 ☒ OFF

power4 ☒ OFF

power5 ☒ OFF

power6 ☒ OFF

power7 ☒ OFF

power8 ☒ OFF

Apply Rule Delete

- IP & Host Name : Input the IP Address (ex: 122.116.123.138) or Host - web address (ex: www.google.com) user would like to Ping.
User can use the “ **ping test** ” bottom to check the address valid or not
- Failed times then action : Setup the ping failure times for 9820MT to execute the setup ON/OFF / Reset action of setting.
- Repeat : After the ON/OFF/Reset action, user can setup the Ping action to keep ping (Continue) or to Stop Ping (Stop).
- Enable Ping function : In the selected Rules number, please select the outlet number power to activate as ping fails and then press “ Apply Rule Action ” button to confirm the setting.
- Ping failure action :

When the number of Ping Failures times have been reached. The device can be set to “ ON , OFF or Reset ” function

Reset: Can set up the time gap from OFF to ON. The “ Sec ” section is for action as Reset only.

Ping failure action ☒

Jason ☒ Relay-ON

tony ☒ Relay-ON

power3 ☒ Relay-OFF

power4 ☒ Relay-CYCLE 000 sec.

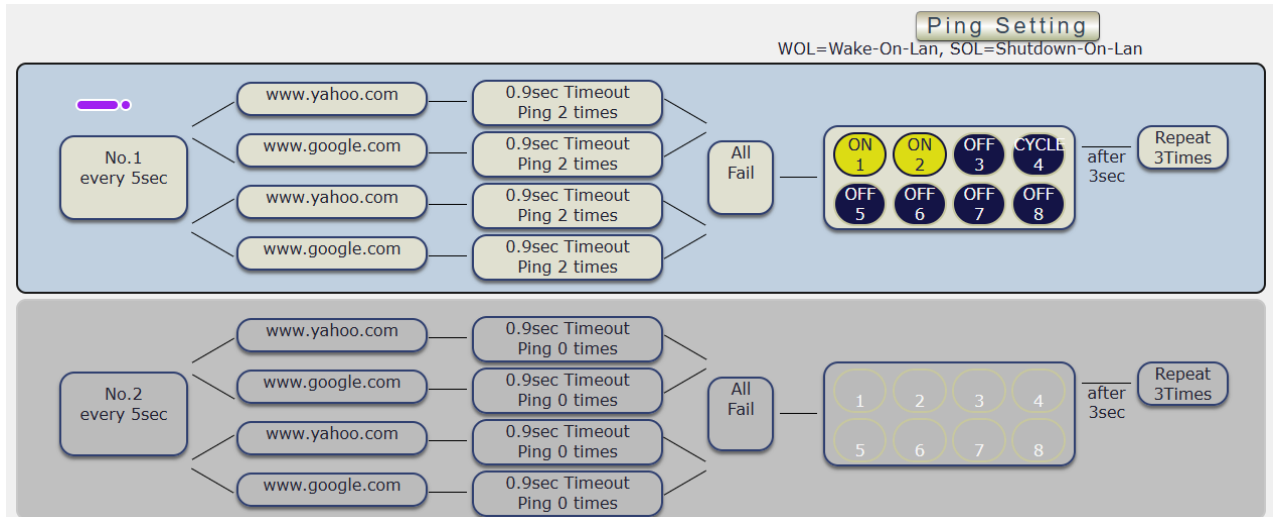
Apply Rule Delete

Ping 1

The setting times range is 1 to 999 sec.

Select the number of Ping Failures that user prefer to do before the action is activated.

EX: Result of setting

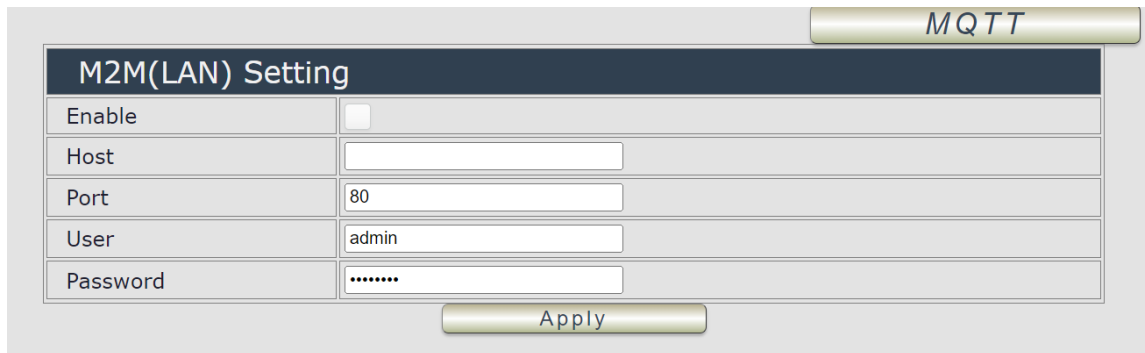


4.2.4 M2M mode

- This is a function to control another 9820MT automatically. There are two directions : Control in LAN or Control through Internet – MQTT

1.M2M- Local (LAN):

In this function , device B is a SLAVE device . User need to select enable , filled the IP address and login information of the HOST / Master device.



M2M(LAN) Setting	
Enable	☐
Host	
Port	80
User	admin
Password	

Apply

- For example :
One 9820MT name device A (IP : 10.33.122.50) , another 9820MT name device B (10.33.122.28) .
 - In the webpage of device B , we enable the function , set up the IP and the login username and password of device A (as HOST).
 - As we setup the outlet # 1 of device A as ON , then the outlet #1 of device B will turn ON.
 - As we setup the outlet # 2 of device A as OFF , then the outlet #2 of device B will turn OFF too.
- Before you setting M2M. please open two device webpage and enable the setting at the same time, if you only setting device A to enable M2M, device B won't follow device A action until both device have set M2M enable.

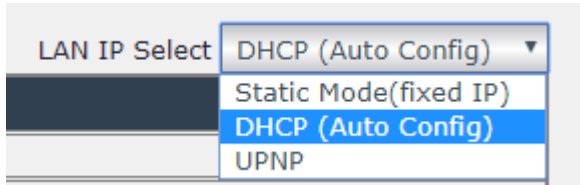
Notice : User can set device A to control B and also device B to control A , then the two devices will be auto control of each other.

4.3 Network

There are 3 sections in this port : LAN Network, DNS setting and Port setting

LAN Network Settings :

The network status is connected by ether cable with RJ45 connector. There are 3 network connection way : Static IP / DHCP / UPNP



LAN IP Select

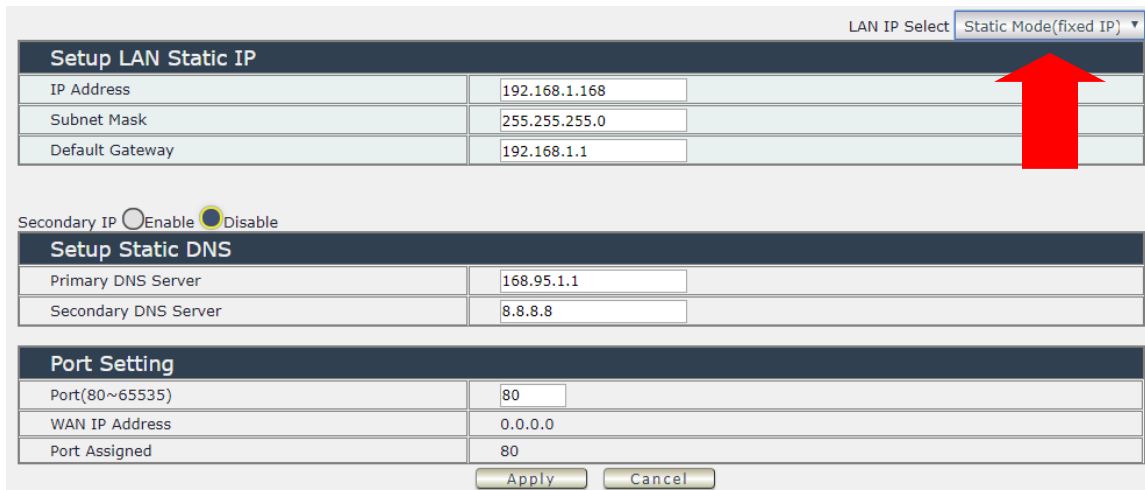
- DHCP (Auto Config)
- Static Mode(fixed IP)
- DHCP (Auto Config)
- UPNP

A. STATIC (fixed IP)

Setup IP address, DNS and Port manually. This allows the 9820MT to obtain an IP Address automatically from user's server connected to Internet. Recommended for users who need to control through Internet.

Please do fill up the correct gateway / port for login from Internet.

Please do fill up the correct DNS server for sending / receiving email (alarm).



LAN IP Select Static Mode(fixed IP)

Setup LAN Static IP

IP Address	192.168.1.168
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1

Secondary IP ☐ Enable ☒ Disable

Setup Static DNS

Primary DNS Server	168.95.1.1
Secondary DNS Server	8.8.8.8

Port Setting

Port(80~65535)	80
WAN IP Address	0.0.0.0
Port Assigned	80

Apply Cancel

B. DHCP Mode

Obtain IP address via DHCP mode. setup the DNS and port

This allows the 9820MT to obtain an IP Address automatically from user's server connected to Internet. Recommended for non- advance users.

User can only revise the Host Name under DHCP mode. This is also the default setting for fast LAN connection solution.

As the IP from DHCP Service of user's router will be changed by router. 9820MT will remember last IP of 9820MT assigned by user's router in "Last DHCP state" for information

Please do fill up the correct gateway / port for login from Internet.

Please do fill up the correct DNS server for sending / receiving email (alarm).

LAN IP Select: DHCP (Auto Config) ▼

Get LAN IP from DHCP	
IP Address	192.168.100.137
Subnet Mask	255.255.255.0
Default Gateway	192.168.100.1

Secondary IP ☐ Enable ☒ Disable

Get DNS from DHCP Server	
Primary DNS Server	127.0.0.1
Secondary DNS Server	168.95.1.1

Port Setting	
Port(80~65535)	80
WAN IP Address	0.0.0.0
Port Assigned	80

Apply Cancel

C. PPTP

Enable your PPTP first, and setting your IP address, User name password, then click the apply to activate the PPTP mode

VPN Type select: PPTP ▼

PPTP Mode	
PPTP	☐ Enable ☒ Disable
Pptp Server IP Address	pptp_server
User Name	pptp_user
Password	*****
VPN IP Address	0.0.0.0

Apply

D. UPNP

With UPNP function, user can log in webpage through Internet without setting Port forwarding / port mapping in your router. No matter use “FIX IP ” or “ DHCP”, user can enable this UPNP function.

Notice : It support to pass through one router and may not work as 9820MT under multiple routers.

LAN IP Select UPNP

Port Setting	
Port(80~65535)	80
WAN IP Address	0.0.0.0
Port Assigned	80

Apply Cancel

UPNP	
Enable	☐
Port	44615 (81~65535)

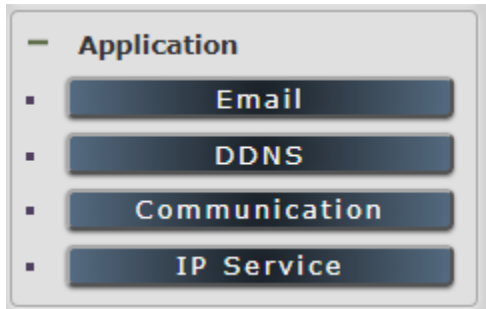
Apply



Please do fill up the correct gateway / port for login from Internet.

Please do fill up the correct DNS server for sending / receiving email (alarm).

4.4 Application Settings



4.4.1 Email

There are 2 sections in this part -- E-mail setting and POP3 Control :

E-mail Setting	
SMTP Server :	Gmail ▼ smtp.gmail.com
Port :	587 ☒ StartTLS
User :	jasonliao70
Password :	*****
From :	aviosys1@gmail.com
To :	aviosys101@gmail.com
To1:	aviosys102@gmail.com
To2:	aviosys103@gmail.com
Email Test Apply	

- Email Setting :

User can get e-mail advice as one of the following situation happen :

- Receive E-mail with IP information & MAC Address as 9820MT device boot up.
- Receive E-mail as ON/OFF status change in each output .

Notice : To send out the e-mail successfully, please double check the setting of user DNS.
(Network → DNS setting)

The 9820MT allows user to send from public e-mail account , such as @gmail or @hotmail or @yahoo.com

- **SMTP Server**: This is the mail server of sender.

If user select @gmail or @hotmail account as SMTP Server, 9820MT will fill the SSL & Port automatically

- **Port** : This is the port of SMTP Server. Most common port to send out e-mail is port 25
- **Start TLS** : It depends on the inquire of the email server to enable or disable this inquire .

As use Gmail account , please enable this function .

- **User** : Login for the e-mail address . Ex: 9820 MT@gmail.com
- **Password**: Password for the e-mail address. EX : 12345678
- **From** : Mail sender address to send the E-Mail out . Ex.: 9820 MT@gmail.com
- **To** : Mail receiver address to get the E-Mail in Ex.: 9223@hotmail.com

- **E-mail test** : Can help to check if the e-mail setting works.

- **Apply** : To store the setting in this section .

For example :

Get Email alarm as outlet changed :

Port Name Setting				
Outlet1	Outlet2	Outlet3	Outlet4	
Jason	tony	power3	power4	

Notification Setting				
Name	Jason	tony	power3	power4
Forbidden off manually	☐	☐	☐	☐
Forbidden Power cycle	☐	☐	☐	☐
Email Alerts	☒	☒	☒	☒
Beep Alert	☒	☒	☒	☒
Default Power Status	ON	ON	OFF	OFF

Apply

Step 1 : After setup the email setting in 9820MT, please press “ Apply ” button to check if show message “ Success ”

Step 2 : Press the “ Email Test ” button to check if show message “ Success ”

The screenshot shows an SMTP configuration window. At the top left is a logo with the letters 'MT' in yellow on a dark blue background. To the right of the logo, the IP address '192.168.100.14' is displayed with the Chinese characters '顯示' (Show) next to it. Below the IP address, the word 'Success' is written in a light blue font. A large red arrow points upwards from the 'SMTP Server' label towards the 'Success' message. In the top right corner, there is a blue button with the Chinese characters '確定' (Confirm). The main area of the window is a form titled 'SMTP Server :'. It contains several fields: 'Port :' with the value '587' and a checked 'StartTLS' checkbox; 'User :' with the value 'jasonliao70'; 'Password :' with a masked password '.....'; 'From :' with the value 'aviosys1@gmail.com'; 'To :' with the value 'aviosys101@gmail.com'; 'To1:' with the value 'aviosys102@gmail.com'; and 'To2:' with the value 'aviosys103@gmail.com'. At the bottom of the form are two buttons: 'Email Test' and 'Apply'.

SMTP Server :	
Port :	587 ☒ StartTLS
User :	jasonliao70
Password :	
From :	aviosys1@gmail.com
To :	aviosys101@gmail.com
To1:	aviosys102@gmail.com
To2:	aviosys103@gmail.com

Buttons: Email Test, Apply

* Can't send to Gmail

Due to the Google update it's policy in recent years, the user have to activate the **App password** in 2 Step Verification to connect with gmail.

Please refer to the tutorial below:

Aviosys mail setting video tutorial link, start gmail in 0:58: <https://www.youtube.com/watch?v=xSjtSuQz2Rg>

Move to your (1) Google accounts → (2) login → (3) manage your google account → (4) Security
→ (5) 2 Step Verification → (6) find App password.

App password will be your setting password for gmail setting, please save your password when it establish.

If you can't find the App password in 2 Step Verification,
click the link below and click → **“Create and manage your app passwords”** :
<https://support.google.com/accounts/answer/185833?hl=zh-Hant>

• POP3 Control

User can control each port turn ON or turn OFF by e-mail. The command format is limited.

Please enable the function first.

POP3 Control ☒ Enable

POP3 Server :	Gmail pop.gmail.com
From :	aviosys@gmail.com
Port :	110
User :	aviosys1
Password :	*****
Tag :	Test
Interval(Minute) :	2
Mail Number :	100
CTRL Format :	☒ Subject ☐ Body

Apply

Example:
E-Mail Test:
 yourmail
Subject:
 IPPOWERCTRL:TAG=Test;POWER1=OFF;POWER2=OFF;POWER3=OFF;POWER4=OFF
Body:

Submit

Settings Section :

To set up 9820MT be controlled by e-mail, user need to know the both **sender`s e-mail address and receiver`s e-mail account Name and Password.**

- **POP3 Server:** This is receiver`s mail server
- **From :** Sender`s email address. Ex.: aviosys@gmail.com
- **Port :** This is the port of POP3 Server.

If user select @gmail or @hotmail account as SMTP Server , 9820MT will fill the SSL & Port automatically.

- **User :** Username to login the receiver`s e-mail. Ex : aviosys1 or aviosys1@gmail.com
- **Password:** Password for the e-mail address. EX : 12345678
- **Tag :** User can use any message for 9820 MT to recognize this mail as 9820MT command mail .

EX.:

As type " Test " in TAG area, the command contents is as following:

IPPOWERCTRL:TAG=Test;POWER1=OFF;POWER2=OFF;POWER3=OFF;POWER4=OFF

- **Interval (minutes) :** The period of time between Send and Receive the command e-mail.
- **Mail Number :** For 9820MT to search as command mail in the number of your email receiver latest. EX : setup 20 that 9820 MT will check the latest 20pcs email in receivers mail box for the 9820MT command mail

- **CTRL format** : Control format by subject or by body (e-mail contents)

For example : Use Gmail as sender and receiver

- Sender's e-mail : 123@gmail.com
- Username to log in sender's @gmail : 123@gmail.com or abc@def.com
- Password to log in sender's @gmail : 12345678

Command format & Example:

User can get the e-mail command contents in the section. And execute an e-mail as press "Submit" if user has e-mail setting in the PC as following :

CTRL Format :

☒ Subject ☐ Body

Apply

Example:

E-Mail Test:

yourmail

Subject:

IPPOWERCTRL:TAG=Test;POWER1=OFF;POWER2=OFF;POWER3=OFF;POWER4=OFF

Body:

Submit



IPPOWERCTRL:TAG=Test;POWER1=OFF;POWER2=OFF;POWER3=OFF;POWER4=OFF - Message (HTML)

Message Insert Options Format Text

新細明體 12

Address Book Check Names

Attach File Attach Item Business Card Include

Follow Up

Permission High Import Low Import

Options

Send

Account

To... aviosys@gmail.com

Cc...

Bcc...

Subject: IPPOWERCTRL:TAG=Test;POWER1=OFF;POWER2=OFF;POWER3=OFF;POWER4=OFF

Command format :

IPPOWERCTRL: TAG=Test; POWER1=OFF; POWER2=OFF; POWER3=OFF; POWER4=OFF

There are 2 section of the command

1. IPPOWERCTRL:TAG=Test

This is command part. Beside the tag message part (like Test on above example) user can change in setting section , the other command must be **CAPITAL** and are fixed content .

2. ;POWER1=OFF;POWER2=OFF;POWER3=OFF;POWER4=OFF

This is to set the outlet number (POWER1=) and action (ON/OFF) , user can only control 1~4 port ON/OFF by e-mail. Do each outlet command

EX.: Put “ 14ON” in tag section and place the command as following : (at subject or body depends one user’s setting) :

IPPOWERCTRL:TAG=14ON;POWER1=OFF;POWER4=ON

E-mail example :

- Execute e-mail command by “ Subject ”

The screenshot shows the 'CTRL Format' dialog box. At the top, there are two radio buttons: 'Subject' (which is selected and highlighted with a red box) and 'Body'. Below them is an 'Apply' button. The main area of the dialog is titled 'Example:' and contains an 'E-Mail Test:' section. Under this section, there is a text input field for 'yourmail'. Below that, the 'Subject:' field is highlighted with a red box and contains the text: 'IPPOWERCTRL:TAG=Test;POWER1=OFF;POWER2=OFF;POWER3=OFF;POWER4=OFF'. The 'Body:' field is empty.

- Execute e-mail command by “ Body ”

The screenshot shows the 'CTRL Format' dialog box. At the top, there are two radio buttons: 'Subject' and 'Body' (which is selected and highlighted with a red box). Below them is an 'Apply' button. The main area of the dialog is titled 'Example:' and contains an 'E-Mail Test:' section. Under this section, there is a text input field for 'yourmail'. Below that, the 'Body:' field is highlighted with a red box and contains the text: 'IPPOWERCTRL:TAG=Test;POWER1=OFF;POWER2=OFF;POWER3=OFF;POWER4=OFF'. The 'Subject:' field is empty. At the bottom of the dialog, there is a 'Submit' button.

4.4.2 DDNS

The DDNS section allows user to setup the 9820MT with a DDNS server (i.e. www.dyndns.com). After the server has been setup correctly, enter the necessary information into the 9820 MT DDNS settings.

Note : The DNS server will have extra charge as apply new account.

DDNS Setting	
Service Provider :	None
Account :	
Password :	
Domain Name :	
Apply Cancel	

Account : the Username / account name of DDNS account

Password : the Password of DDNS account

Domain name : The DDNS name user apply. Ex.: abc.dyndns.org

4.4.3 Communication

9820MT supports SNMP, Telnet, Modbus TCP and BACnet TCP

Communication Setting:	
SNMP:	
Enable	☐
Community Authority :	N/A
Community Name :	private
Trap type :	N/A
Host(192.168.1.1:162) :	192.168.1.1:162
Trap Community :	private
MIB file	IPPOWER-MIB.txt
Apply	
TELNET:	
Enable	☒
Apply	
Modbus TCP	
Modbus Enable	☐
Port	502
Apply	
BACnet -Beta	
Enable	☐
Port	47808
Apply	

A. SNMP

This section is for development of system integrator who is familiar with SNMP knowledge. In community Authority , user can select “ Read only” or “Read / Write”

SNMP:	
Enable	☐
Community Authority :	N/A
Community Name :	N/A
Trap type :	N/A
Host(192.168.1.1:162) :	192.168.1.1:162
Trap Community :	private
MIB file	IPPOWER-MIB.txt
Apply	

In “Trap” type ,user can select “ v1 trap “ , “ v2c trap “ or “ v2c inform”

SNMP:	
Enable	☐
Community Authority :	N/A
Community Name :	private
Trap type :	N/A
Host(192.168.1.1:162) :	192.168.1.1:162
Trap Community :	private
MIB file	IPPOWER-MIB.txt
Apply	

In MIB file section, user can get MIB information.

B. Telnet

In This section is for development of system integrator who is familiar with Telnet to enable /disable.

TELNET:	
Enable	☒
SSH	☒
SSH-KEY	Renew
Apply	

Please enable the telnet function in “Application ” → “ Communication ”

Ca Telnet 10.33.122.35

```
IP_POWER login: admin
Password:
```

Ca Telnet 10.33.122.20

```
#
# ioctl -h
**-----**
Usage: ioctl
[-h | --help ].....: display this help
[-s | --setpower p6=00110011 or p6x=1(x=1,2,3,4,5,6,7,8)].....: turn on/off ports on
[-p | --getpower ]..: get the on/off status of the device
[-c | --current ].....: get the current value of the device
[-t | --temp ].....: get the temperature value of the device
[-r | --reboot ].....: System Restart
[-v | --version ].....: display version information
-----
# ioctl -s p6l=1
p6l ok
# ioctl -p
Power Status: 1, 0
# ioctl -s p6l=0
p6l ok
# ioctl -c
Current value: 0.0
# ioctl -t
Temperature value: 36.80
Fahrenheit value: 98.2
#
```

C. Modbus TCP

Modbus: We supply the TCP models of ModBus control

TCP Modbus	
Modbus Enable	☒
Port	502
Apply	

D. BACnet TCP

In this section is for development of system integrator who is familiar with Telnet to enable / disable the function and to setup its port.

BACnet -Beta	
Enable	☐
Port	47808
Apply	

4.4.4. IP SERVICE

In this section, user can setup

- A. IP Server & CNT (Cross Network Technology) ,
- B. CNT (MQTT)

IP Service Setting (Search)	
Enable	☐
IP Service Server :	Server1 ▾
Device Name :	IP_POWER
Country :	Country
City :	City
myipedit login Account	
Find IP_POWER device on myipedit.com	
Apply	

CNT(MQTT) Setting (Remote control)	
MQTT Service	IPPower ▾
Enable	☐
Status	
Apply	

A. IP Service & CNT Setting :

The IP SERVICE allow 9820MT to be accessed easily on the internet by our IP Power Center or IPEDIT. With this feature anyone can find its device with no problems.

IP Service Server: Allows user can find user of 9820MT on the internet without having to remember long IP Addresses. Instead user can just remember the name of user device.

IP Service Setting (Search)	
Enable	☐
IP Service Server :	Server1 ▾
Device Name :	Server1 Custom
Country :	Country
City :	City
myipedit login Account	
Find IP_POWER device on myipedit.com	
Apply	

- Enable : Enable or Disable this function by clicking the small box.
- IP Service Server : use our server or custom server.
- Device name, Country & City :

User can search the 9820MT by Device name, Country or City.

This allows the device to be accessed easily on the Internet, user no longer have to Port Forwarding, user device to be able to use it. Only some devices are CNT compatible.

Please refer page **#17** for the function of IP Server

Device	Name	Country	City	IP address	Port	Mac Address
v2.00_843	IP_POWER_98...	Country	City	114.37.88.88	80	

B. CNT (MQTT) –

For developing only. 9820MT supports MQTT function. Please contact with your distributor for the details if you would like to develop own system.

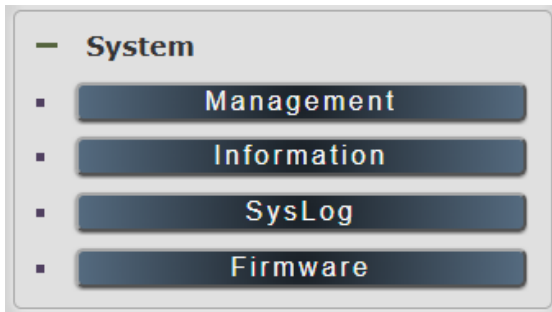
CNT(MQTT) Setting (Remote control)		
MQTT Service		IPPower
Enable		
Status		

c. mDNS

User can decide to “Enable” or “Disable” the mDNS connection, to see how mDNS work, please refer to **P.18 (3.3.4)**

mDNS Setting	
Enable	☒

4.5 System Setting



4.5.1 Management

In this section there are 5 settings: Administrator setting, Language Settings, NTP settings, Import Configuration files and System Reset.

System Management

You may configure administrator account and password, NTP settings, and Dynamic NTP settings here.

Administrator Settings	
Account	admin ☒ Admin ☐ Operator ☐ Viewer
Password	***** Apply

Language Settings	
Language	English Apply

Web Server Settings	
Https(Port:443)	☒
Http	☒
Enable Self Signed Certificate	☐
Apply	

NTP Settings	
Date	04 / 20 / 2025 (MM/DD/YY)
Time	22 : 02 : 02 (HH:MM:SS) Apply
Current Time	Sun Apr 20 22:02:01 GMT 2025 Sync with local time
Time Zone	(GMT+0800)ChinaCoast,HongKong
NTP Server	pool.ntp.org ex: time.nist.gov
Sync with NTP	Every 1 hours Apply

Import configuration files	
Location	Choose File No file chosen Import

System reset	
Export configuration file	Apply
Factory Reset	Apply
Reboot	Apply

Administrator setting

In this section allows user to change password for 3 different authorization level. The account name and password can be changed, but each Authorities only support one Account name & one password.

1. Administrator (Admin) : The *Administrator* has the authority to create other users, remove users, and control the device. 9820MT will ask to log in again if change the Default Setting here.

2. Operator : The operator can only control the setting of “IO Control” section but cannot see other page of 9820MT.

3. Viewer: The viewer can only see the “ IO Control ” section , but cannot see other page of 9820MT.

Default Setting of the Authorities :

Authority	Account name	Password
Admin	Admin	12345678
Operator	user	user
Viewer	guest	guest
Note	Please amend the password as number or English character from 1 to 8 characters. Do not use special symbol like “ ” ; : ~ ! @ # \$ % ^ & * ()	

Please click “Apply “ button after change the account name / password

Langrage Settings

There are 3 language option of 9820MT. The default langrage is English. The other two languages are “ Traditional Chinese ” and “ Simplified Chinese”.

Language Settings	
Language	Chinese/繁體中文 ▼
	English
	Chinese/繁體中文
	Chinese/简体中文
Apply	
NTP Settings	
Date	/ 2018 (MM/DD/YY)

Web Server Settings

There are 3 options to setting Web server. (1) http (2) https (3) self-signed certificate
Http and Htps are quite simple, just click on the icon to enable or disable it.

Web Server Settings	
Https(Port:443)	☒
Http	☒
Enable Self Signed Certificate	☐
Apply	

If you click the self-signed certificate, it will show two options of the certificate we provide, Choose the certificate you want in one of the options.

NTP setting

In this section, user can setup the date, time, current time, time zone, NTP server and sync with NTP to get the time synchronization.

NTP Settings	
Date	04 / 21 / 2025 (MM/DD/YY)
Time	10 : 42 : 39 (HH:MM:SS) <button>Apply</button>
Current Time	Mon Apr 21 10:42:38 GMT 2025 <button>Sync with local time</button>
Time Zone	(GMT+0800)ChinaCoast,HongKong
NTP Server	pool.ntp.org ex: time.nist.gov
Sync with NTP	Every 1 hours <button>Apply</button>

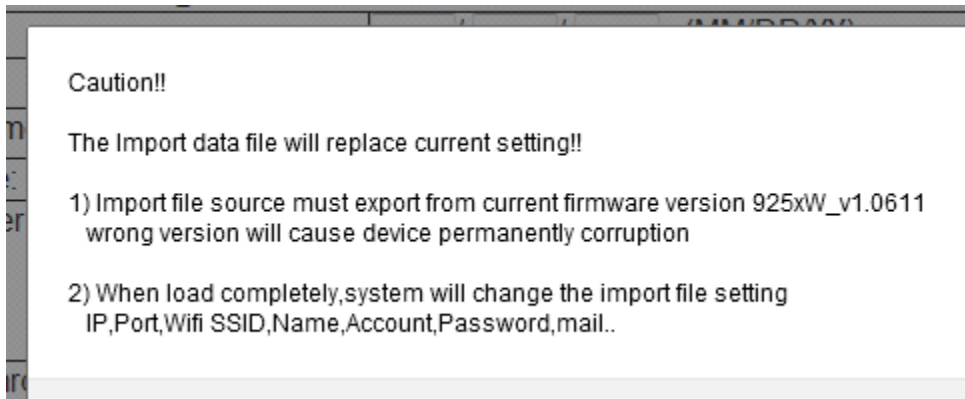
SYNC with NTP : User can setup the time gap (1~300 hours) for 9820 MT to check the time with the NET server.

Import configuration file

To setup multiple with same setting, user can import the settings of other 9820MT from a “ DAT ” file which is exported form another 9820MT. By import this file to other 9820MT device and shorten the setup time.

Import configuration files	
Location	<button>Choose File</button> No file chosen <button>Import</button>

As press “ Import ” , there is caution message show as following :



Before click “ Ok ” to import, please do read following notice :

- Do NOT import DAT file which is not export form 9820MT. The warranty will be invalidated if any wrongdoing from “ Import ”.
- Please do Import the file in LAN / Ethernet. To avoid Import fail, please do not Import file via Internet

System Reset

User can click one button to set back the setting to default or restart the 9820MT without device nearby user side.

Note : The factory default setting of 9820MT IP is assigned by DHCP.
It will change the IP if load factory defaults.

System reset	
Export configuration file	Apply
Factory Reset	Apply
Reboot	Apply

- Export configuration file : Export the settings into DAT file for import to other 9820MT
- Factory Reset : set back to factory default.
- Reboot : 9820MT device power reboot

4.5.2 Information

User can get the system information here, **mDNS** appears in the System section.

System Information			
System			
System Up Time	0 days 0 hour 8 min 8 sec	MAC Address	00:76:60:00:A0:5C
Firmware Version		Hardware Version	4.4.1.8
MDNS	http://ippower5c.local		
WAN			
WAN IP Address	0.0.0.0	Ethernet Port	80
Default Gateway		Internet Port	80
Primary DNS	168.95.1.1	Secondary DNS	8.8.8.8
LAN			
Connected Type	DHCP		
Local IP Address	192.168.1.169		
Local Netmask	255.255.255.0		
VPN			
IP Address	0.0.0.0		
Other Information			
SNMP	Disable		
ModBusTCP	Disable		
BacnetIP	Disable		
Telnet	Enable		
UPNP	Disable		
mDNS	Enable		
IPSERVICE(Search)	Disable		
CNT(Remote control)	Disable		
Http	Enable		
PPTP	Disable		

4.5.3 System Log

In this section, user can get the 9820MT system operation information and send the information to assign Server IP address (not support name). **The system information will be deleted after 9820MT device power reboot.**

System Log	
Syslog:	
Syslog Server IP Address	
Apply	
Refresh	Clear
System Log:	
<pre>Jan 23 18:16:04 IP_POWER syslog.info syslogd started: BusyBox v1.12.1 Jan 23 18:16:04 IP_POWER kern.notice kernel: klogd started: BusyBox v1.12.1 (2017-12-07 01:17:44 Jan 23 18:16:04 IP_POWER kern.alert kernel: [9.016000] PROC INIT OK! Jan 23 18:16:04 IP_POWER kern.err kernel: [9.780000] gre: can't add protocol Jan 23 18:16:04 IP_POWER kern.err kernel: [19.024000] ### raeth: can not open udhcpc_eth.pid</pre>	

Please click the IP and save by click “ Apply”

4.4.4 Firmware

Please only use the file supply from Aviosys distributor or Aviosys.

There are two sections: Bootloader & Firmware

The firmware update function only support in LAN connection .
Before update, please DO [READ](#) THE HI-LITE MESSAGE BLOW :

It takes about 1 minute to upload upgrade flash and be patient please.
Caution! A corrupted image will hang up the system.

Aviosys

Upgrade Firmware

Upgrade selected firmware to obtain new functionality. **Caution! A corrupted image will hang up the system.**
It takes about 1 minute to upload & upgrade flash and be patient please.

Version: Old

Update Bootloader

Location: 未選擇任何檔案

Firmware

Location: 未選擇任何檔案

To update the 9820MT, please follow the instruction below to prevent anything happens like **update incomplete** or **hardware disable** which may be caused by wrongdoing of updating :

- 1) Turn off all chat programs including (Skype, FB, QQ, AIM, Yahoo messengeretc.)
- 2) Check to make sure that all devices are turned on safely and powered
- 3) While updating do not turn off the power
- 4) Make sure that the cable is connected firmly
- 5) Do not interrupt the update process, the update must be completely finished .
- 6) Turn off, any Spyware or antivirus software which may conflict with the update.
- 7) Update firmware in the Local Area Network (LAN)
- 8) Support update in 64bit Web Browser like Edge, Google Chrome.
- 9) Please change the PORT as 80
- 10) **Reboot and Do the Hardware Reset** (keep pressing RESET button for 10 secs) after update successfully.
- 11) **Clear the Cookies from the temporary file of PC** to avoid get the old webpage .

* Please make sure your **Bootloader** are the latest version in webpage before you update the latest firmware.

5. Other ways to control

Besides webpage control, there are several ways to control the outlets : by HTTPS/CGI command or by Telnet. 9820MT also support SNMP (MIB), Modbus /TCP and BACnet /TCP.

Please check page #41 to check and enable the function.

5.1 CGI HTTP Commands

CGI Commands allow you to easily integrate the 9820MT with other systems and programs. Please read the instructions carefully on how to use the Http:// Commands

To use http:// Commands open up a web browser and type in the command that you would like to use.

1. User authorization .There are 3 formats :

For example : IP address 192.168.1.18 , Username : admin. Password : 12345678

1.1 <http://admin:12345678@192.168.1.18/set.cmd?cmd=getpower>

1.2 <http://192.168.1.18/set.cmd?user=admin+pass=12345678+cmd=getpower>

The above 2 way also for HTTPS

- 2.Command

set.cmd?cmd=

All command do not separate capital / lower case , the connect symbol between commands can be “+” , “&” and “?”.

- 2.1 To get firmware version : getversion

<http://192.168.1.18/set.cmd?cmd=getversion>

System return : CGI Command : Data follows
Version=9258W_N_v1.0.0.1

- 2.2 To get MACaddress: getmac

<http://192.168.1.18/set.cmd?cmd=getmac>

System return: CGI Command : Data follows
mac=00929000008F

- 2.3 To get the status of power on/ off: getpower

<http://192.168.1.18/set.cmd?cmd=getpower>

System return:

CGI Command : Data follows

p61=0, p62=0, p63=0, p64=0

P61 to P64 means : POWER1 to POWER4

2.4 To get Current : getcurrent

<http://192.168.1.18/set.cmd?cmd=getcurrent>

System return:

CGI Command : Data follows

c61=0.000000, c62=0.000000, c63=0.000000, c64=0.000000, c65=0.000000,
c66=0.000000, c67=0.000000, c68=0.000000, temp=22.700001

C61 to C68 means 8 currents , temp is temperature (as Celsius)

2.5 To get temperature (Celsius) : gettemp

<http://192.168.1.18/set.cmd?cmd=gettemp>

System return:

CGI Command : Data follows

temperature=22.700001

2.6 To set the power on / off : setpower+p6x=0 or 1

p6x=0 means off, p6x=1 means ON, x can be 1 to 4 (power1 to power 4)

Example : Turn on POWER1 and POWER2 and turn off POWER3:

<http://192.168.1.18/set.cmd?cmd=setpower+p61=0+p62=0+p63=0+p64=0+p65=1+p66=1+p67=1+p68=1>

System return:

CGI Command : Data follows

p61=0,p62=0,p63=0,p64=0,p65=1,p66=1,p67=1,p68=1

2.7 Setup power to reboot as RESET: setpowercycle+ p6x=delayTime

X can be 1 to 4 (power 1 to power 4) , ; dealyTime mean the time (second) waiting for reset

For example :

<http://192.168.1.18/set.cmd?cmd=setpowercycle+p61=5+p62=2+p63=4+p64=5+p65=2+p66=4+p67=5+p68=2>

System return:

CGI Command : Data follows

p61 cycle ok,p62 cycle ok,p63 cycle ok,p64 cycle okp65 cycle okp66 cycle okp67 cycle okp68 cycle ok

2.8 To get voltage: getvoltage

<http://192.168.1.18/set.cmd?cmd=getvoltage>

System return:

CGI Command : Data follows

voltage=108.00

5.2 Telnet Control

Please enable the telnet function in “Application ” → “ Communication ”

Or Check **page #49(4.4.3)** to check and enable the function

TELNET:	
Enable	☒
SSH	☒
SSH-KEY	Renew
Apply	

 Telnet 10.33.122.35

```
IP_POWER login: admin
Password:
```

 Telnet 10.33.122.53

```
#
# ioctl -h
** ----- **
Usage: ioctl
[-h | --help ].....: display this help
[-s | --setpower p6=00110011 or p6x=1(x=1,2,3,4,5,6,7,8)].....: turn on/off ports on
[-p | --getpower ]..: get the on/off status of the device
[-c | --current ].....: get the current value of the device
[-w | --getvoltage ].....: get the voltage value of the device
[-t | --temp ].....: get the temperature value of the device
[-r | --reboot ].....: System Restart
[-v | --version ].....: display version information
-----
# ioctl -s p6l=1
index:0 value:1 is_Latch:8
p6l ok
# ioctl -p
Power Status: 1, 0, 0, 0 ,0, 0, 0, 0
# ioctl -s p6l=0
index:0 value:2 is_Latch:8
p6l ok
# ioctl -c
Current value: 0.00, 0.00, 0.00, 0.00,0.00, 0.00, 0.00, 0.00
# ioctl -t
Temperature value: 28.00
Fahrenheit value: 82.4
#
```

Notice: The command “ -C ” & “ -T ” are for models 9820MT & 9828-P only.

C =Current . **T** =Temperature

Command example:

command: help

```
# ioctl -h
**-----**
Usage: ioctl
[-h | --help ].....: display this help
[-s | --setpower p6=00110011 or p6x=1(x=1,2,3,4,5,6,7,8)].....: turn on/off ports on the device
[-p | --getpower ]...: get the on/off status of the device
[-c | --current ].....: get the current value of the device
[-w | --getvoltage ].....: get the voltage value of the device
[-t | --temp ].....: get the temperature value of the device
[-r | --reboot ].....: System Restart
[-v | --version ].....: display version information
-----
```

***Note:** Power 1~Power 8 display from left to right.

command: setpower

On: p6x=1, Off:p6X=0

```
# ioctl -s p6l=1
index:0 value:1 is_Latch:8
p6l ok
# ioctl -s p6l=0
index:0 value:2 is_Latch:8
p6l ok
#
```

On: Power 1~8

```
# ioctl -s p6=11111111
index:0 value:1 is_Latch:8
index:1 value:4 is_Latch:8
index:2 value:10 is_Latch:8
index:3 value:40 is_Latch:8
index:4 value:1 is_Latch:8
index:5 value:4 is_Latch:8
index:6 value:10 is_Latch:8
index:7 value:40 is_Latch:8
p61 ok,p62 ok,p63 ok,p64 ok,p65 ok,p66 ok,p67 ok,p68 ok,
#
```

Off: Power 1~8

```
# ioctl -s p6=00000000
index:0 value:2 is_Latch:8
index:1 value:8 is_Latch:8
index:2 value:20 is_Latch:8
index:3 value:80 is_Latch:8
index:4 value:2 is_Latch:8
index:5 value:8 is_Latch:8
index:6 value:20 is_Latch:8
index:7 value:80 is_Latch:8
p61 ok,p62 ok,p63 ok,p64 ok,p65 ok,p66 ok,p67 ok,p68 ok,
#
```

command: getpower

```
# ioctl -p
Power Status: 1, 1, 1, 1 ,0, 0, 0, 0
#
```

command: voltage ***Note:** This command only for IP9820MT.

```
# ioctl -w
Voltage value: 108.00
#
```

6. FAQ :

Q1: Why can't I see the 9820MT's IP address in IPEDIT.exe?

Ans.: Please check the PC you use is under same LAN/ network / segment as 9820MT. Please turn off some Anti-Virus / online chatting software.

If there are more than 1 network card, include dynamic network card, please disable one and make sure the one you selected is under the same segment with IP9820MT.

Please refer the following possible parts for this 9820MT not been searched by IPEDIT

- Boot up successfully : Please reboot the 9820MT and check if there are 1 short beep after 3 seconds. This beep means the device boot up successfully. If not, the device may have issue.
- Network card : Please check if there are more than two network card – include wire/ wireless / dynamic - in the PC which used IPEDIT software. IPEDIT only support single network PC, please disable the other network connection / functions.
- Anti Virus software / Firewall : Please turn off the antivirus software firewall temporary.
- Power : If there is no power go to 9820MT, please check the fuse part. There will be no power for 9820MT if the fuse buttons is pop up - not easy/flexible to press as it was – by over loading for long time, please press the fuse back and the power will go to 9820MT to boot up.
- Connection : Please make sure that the 9820MT is under same router with the PC used IPEDIT. It is fine to connect across multiple routers but it need to setup the MASK part which need some knowhow.
- If connect to PC directly or through HUB – there is no DHCP assigned IP to 9820MT, please remove the network cable and the power cord of 9820MT. Connect power cord to 9820MT first, wait for 1 minutes to get the beep of boot up , then connect the network cable to 9820MT. Then the IP will go to 192.168.1.169(Page #11)

Q2 : Why can't I receive e-mail?

Ans.: Please check the DNS and GATEWAY setting first (Check user router or ask user ISP company). There is a test button for checking the setting success or fail to send e-mail.

* If use Gmail, please refer page #45 to **set your “APP password”** in your google account.

Q4: How can I reset to default:

Ans : Keep pressing the button of “ RESET ” for 10 seconds at least

To reset to original manufacture settings : press the reset button with a sharpen pin for 10 seconds then RELEASE. There will be 3 beeps sound which means reset start and 9820MT will be rebooted itself -there is one beep after reboot) and most information go back to default setting (LAN IP).