



IPM-401H

User Manual



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

IMPORTANT NOTICE

1. IP Power IPM-401H 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.
4. Do not shake the IP Power IPM-401H in any fashion.
5. Please contact the dealer if IP Power IPM-401H is not working properly.
6. Place the product in a well-ventilated place

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1.) Welcome

Introduction

The IP Power IPM-401H is a state of the art Power Distribution Unit (PDU) & Remote Power Control (RPC) system. It allows you to control up to 4 separate devices remotely via the internet. Using a web browser, you can control the power to your devices from virtually anywhere.

The various applications of the IPM-401H includes: **Power Management, Server Management, Internet Controllable Timer, System Integration, Remote Power Control in Remote locations, & etc.**



Minimum System Requirements

Operating Systems: WINDOWS Operating Systems (IE5.0+SPI

RJ45 LAN & Internet HUB & Switch

Internet (For remote access) or Ethernet Network (Internal Network use) with some type of Internet connection, (i.e. ADSL, Cable, Dial up or any other forms of Internet service)


2.) Product Overview

Features

1. Control each output On, Off, or Reboot of up to 4 different power sources.
2. Built in Web Server Design, directly access Power Control from webpage.
3. Power scheduler and built in internal clock to enable daily, weekly, and monthly Power cycles
4. Auto Ping (Watch dog) capability to monitor each output
5. Self Auto Ping - Monitors IPM-401H to make sure device is working properly.
6. IP Service - Search utility, to easy to find your IP Power on internet hassle free.
7. Http Command generator for integration
8. E-mail functionality for notifying user.
9. Log capabilities to store device information and usage.
10. Hardware Watchdog design to make sure devices are working properly
11. IP Blacklist capability to block unwanted IP Address.
12. CNT Technology – For quick and Easy setup, just plug and play
13. Each outlet name can be assigned by user and memorized on webpage.
14. Support HTTP CGI commands / Telnet Commands / RS232 inter control for easy for system integration
15. IP Service: Easily Find your device on the internet without having to remember complicated IP's
16. Password Base64 encryption for internet protection.
17. Supports UPNP (Universal Plug & Play)


Specification

- 1.) Total Input power up to 15A/110V or 10A/240V
- 2.) Each Output: 6A/110V or 6A/240V
- 3.) Dimensions: 260 x 115 x 43 (L x W x H)
- 4.) Weight: 0.96kg

Package Contents	
1.) IPM-401H Unit x 1	 <p>A black, rack-mountable IPM-401H unit. The front panel features a 'CONSOLE' port (DB-9), four status LEDs labeled 1, 2, 3, and 4, a 'Power' button, a 'Reset' button, and a 'NETWORK' port (RJ45) labeled '10/100Mbps'.</p>
2.) IPM-401H Installation CD	 <p>An installation CD with a dark blue background. The text 'Moxie Link-IP Family' is at the top. Below it is an image of a hand pointing at a glowing sphere. At the bottom, it lists 'IP Camera, IP Video, IP Power, IP Sensor' and 'Please Refer to the User Manual'.</p>
4.) RJ45 Cable x 1 (Optional)	
5.) Input Power Cable (Optional)	 <p>A black power cable with a three-pronged AC plug on one end and a power jack on the other.</p>

3.) Interface Description

Front View

	
<p>RS232 Serial Port</p>	
<p>Reset Button: To reset to original manufacture settings, hold down the reset button with a pen or a pin for 10 second s until hear a long beep sound</p>	
<p>Restart Button: The restart button just resets the device by turning off and then turning on the power.</p>	
<p>Power Status Indicator: The Power Status Indicator</p>	

Rear View

Rear View



Rear View

4 Output Power Ports:

Connect up to 4 separate devices that will be controlled by the IPM-401H. Ports 1-4



1 Input Power Ports:

The input power sends power to the IPM-401H.



1 Power Switch:

The Power switch turns on the device power



Fuse System: To prevent electrical surges from damaging the unit. The IPM-401H comes with 1 spare fuse in the unit.

TYPE : U/C GFE 10A 250V (PF)



4.) Hardware Setup

- 1.) Connect the IP Power IPM-401H to a HUB or Router using a RJ45 network cable.
- 2.) Connect the power adapter to the IP Power IPM-401H.
- 3.) Connect the HUB or Router to the internet (May through ADSL/XDSL modem).
- 4.) Connect the power adapters of under control electric equipment to corresponding out port of IP Power 9258-HP.
- 5.) Turn on the computer and the power adapter of IP Power 9258-HP

* For **220-250V**, please use power cable that can support 10A current.
Max. Output current: (total of each four outlets) 10A, (each outlet) 6A.

* For **100-120V**, please use **power cable that can support 15A current**.
Max. Output current: (total of each four outlets) 15A, (each outlet) 6A.



5.) Software Setup

The **Media Link - IP Family CD** that came with the device will have all the necessary software to run and setup the device.

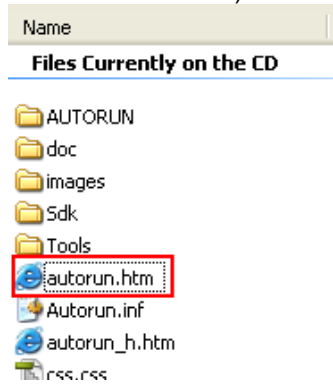
IP Power Software:

IP Edit (Required)

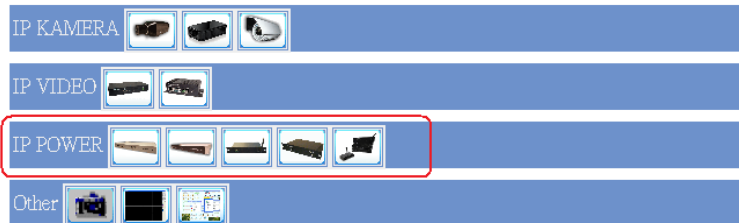
IP Power Center

Installing IP Power Software

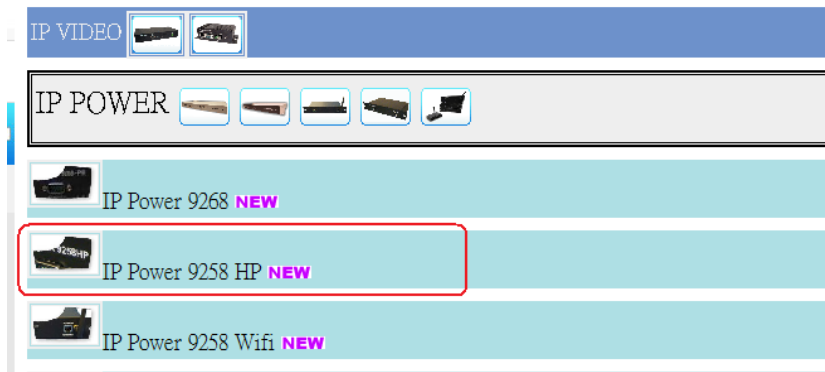
- 1.) Place the **Media Link-IP Family CD** into the CD/DVD Rom drive.
(The CD should auto run but if it does not go to the CD/DVD Rom drive and select the “**autorun.html**” file.)



- 2.) Click on the IP Power Section Bar



- 3.) Select the IP Power IPM-401H



4.) All the downloads available for the IPM-401H will be available



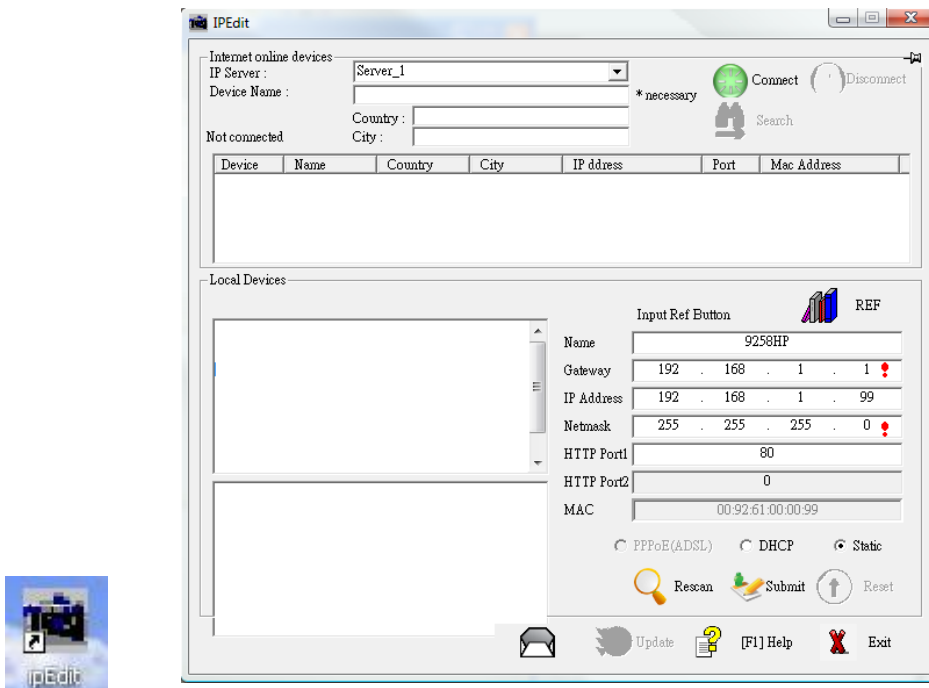
5.) Download all required software – **IP Edit** by clicking on the download button.

Using IP Edit

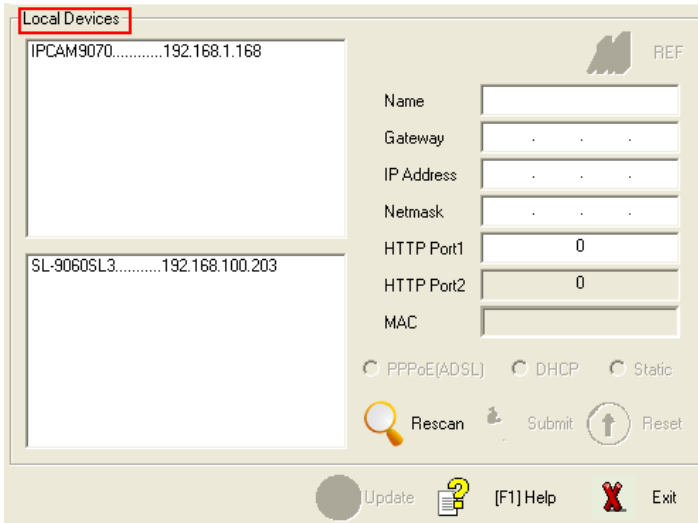
IP Edit is a search tool designed to help setup and access the IPM-401H. With IP Service feature included the device can easily be found without having to remember long complicated IP addresses. Instead, this technology allows the user to use a name method to find his or her device through the internet.

Please make sure you have the most updated version of IPedit. Contact your distributor to provide you with the newest updated IPedit.

1.) After correctly installing the IPedit software, double click on the IPedit icon to run the program.



- 2.) Open IPEdit and any device in the same network should automatically be detected and listed in the **local devices sections**.



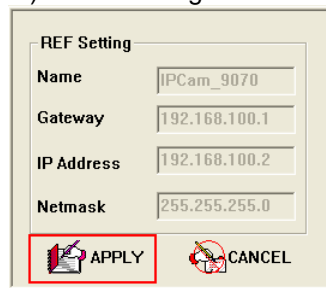
3.) **Setup the Device:**

Note: (If the device is not on the same network as the computer being used it cannot be accessed)

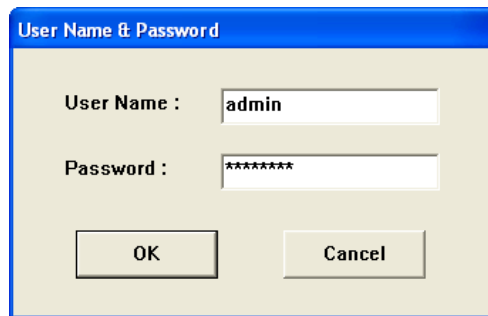
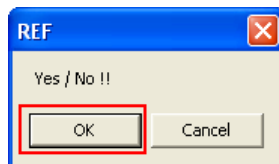
a. **Quick Easy Setup (Recommended)**



- 1.) Click on the REF button in IPEdit, and wait a few seconds. This will detect the network settings and setup the device automatically.
- 2.) Once settings have been detected hit the apply button to apply the new settings.

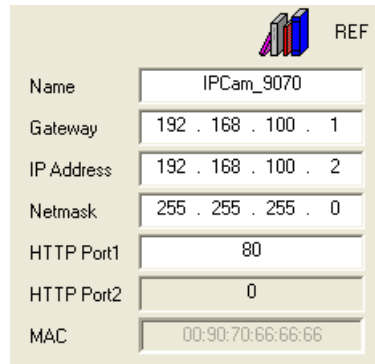


- 3.) Hit yes to confirm and Enter the login and password for the Device to Approve changes



Default Login: admin
Password: <blank>

- 4.) Give the device 1 minute then hit the rescan button on IPEdit to confirm the changes have been made.

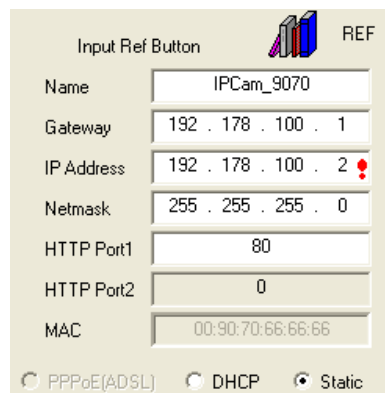



Name	IPCam_9070
Gateway	192 . 168 . 100 . 1
IP Address	192 . 168 . 100 . 2
Netmask	255 . 255 . 255 . 0
HTTP Port1	80
HTTP Port2	0
MAC	00:90:70:66:66:66

b. Custom Setup (Advance Users)

- 1.) Highlight the device on the local devices section and on the right side of IPEdit all network information on the device will be displayed.

If the device is not on the same network a Red Exclamation mark  will appear in the IP Network information section

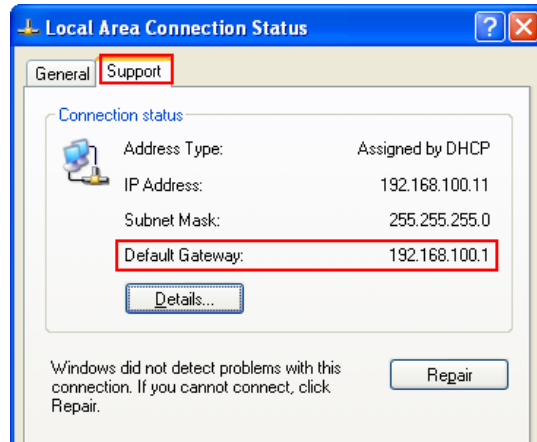


Name	IPCam_9070
Gateway	192 . 178 . 100 . 1
IP Address	192 . 178 . 100 . 2 
Netmask	255 . 255 . 255 . 0
HTTP Port1	80
HTTP Port2	0
MAC	00:90:70:66:66:66

PPPoE(ADSL) DHCP Static

- 2.) To setup the device, type in the correct **Gateway** and **IP Address**.
The gateway address:

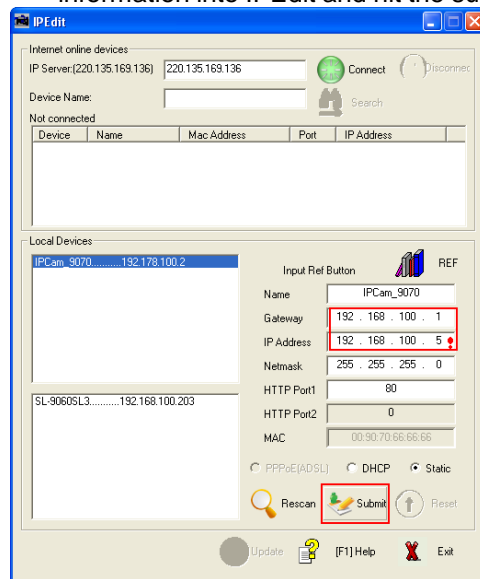
Gateway Address: The gateway address can be obtained in Windows under the network connections page



IP Address: Make sure the first 3 sections of the IP Address matches the gateway address.

Example: Gateway Address – 192.168.1.1 IP Address – 192.168.1.xxx

3.) Once the Default Gateway information has been obtained, enter the correct information into IPEdit and hit the submit button.



4.) Then hit the rescan button on IPEdit to confirm the changes have been made

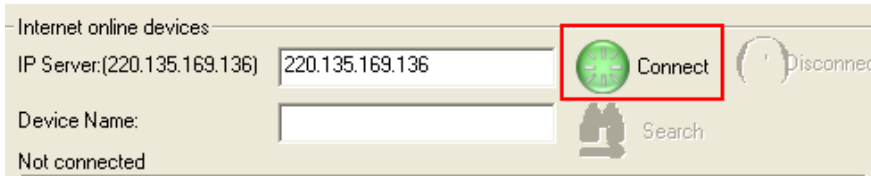
IP Service

How to use IP Service on IPEdit:

IP service allows the user to directly connect to his / her device through the internet without having to remember long confusing IP Address. Instead with this IP Service Technology, the user only has to remember the name of the device that the user has selected. Then the user can connect to IP Service, type in the device name, and connect directly to the device.

First if you have de-activated IP Service on your device make sure you re-enable it. (Refer to your manual if you have questions on How to activate IP Service)

- 1.) Open IPEdit, the device will show up in the Local Device Section. If you have not selected a name for the device, please refer to the section on the manual labeled: "Naming your device".
- 2.) To start IP Service, Hit the green connect button on the top of IPEdit.



- 3.) Once you have been connected search for your device by typing in at least the first 3 letters that you named your device with. Then hit the search button.
- 4.) Double click on your device and a Internet Explorer window will appear connecting directly to your device.

***Remember:** It is crucial to have the IP Address of the device port forwarded from the router that you are using so you can connect to your device from anywhere. Please refer to your routers user manual on how to port forward your device.

6.) Hardware Interface

Reset

To Reset the device back to the manufacturer default:

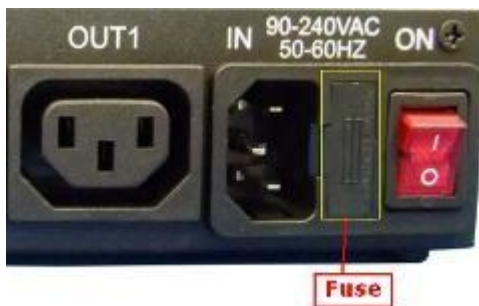
Use a small pen or pin and press the reset button firmly and hold for a minimum of 10 seconds. The device will be reset a "beep" sound is heard.

Restart

To restart the device, use a small pen or pin then press and release the restart button. The device will automatically restart.

How to Replace Fuse

- 1.) The fuse is located between the power switch and the power input plugs.

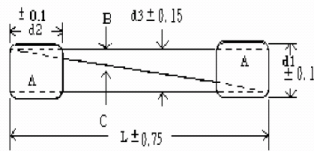


2.) Carefully remove the fuse holder with a flat screwdriver.



3.) The fuse can be purchased at most electrical stores

Model: U/C GFE 10A 250V (PF)



7.) Web Interface

Connecting to the IPM-401H

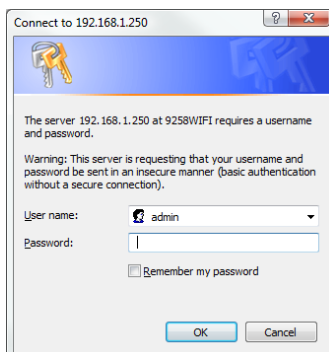
Once the IPM-401H has been setup correctly, log into the device.

First Option

- 1.) Go to IPEdit find the device that is being used
- 2.) Double click on the device link and a IE window will appear with the loading screen

Second Option

- 1.) Open Internet Explorer type in the IP Address of the device followed by the “:” sign.
For example: http:192.168.122.188:9258
192.168.122.188 – IP Address
9268 – Port
- 2.) Once you have typed in the address the IPM-401H is ready to use.

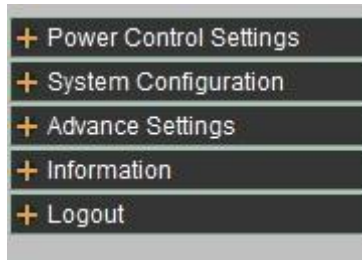


The default password for the IPM-401H

Login: admin
Password: <blank>

The Control Console

The Right Panel of the Web Interface controls the functionality and setup of the IP Power IPM-401H.



The IP Power IPM-401H Console consists of four main sections which will be explained in details below.

Power Control Settings:

- Power Controls
- Scheduler Settings
- Ping Settings
- PC Control Setting
- Ethernet to RS232

System Configuration:

- User Management
- Change Password
- Network Settings
- PPPOE Settings
- Date & Time

Advance Settings

- Maintenance
- DDNS Settings
- IP Server & CNT
- Telnet & Snmp Settings
- Syslog Settings
- E-mail Settings
- Black List

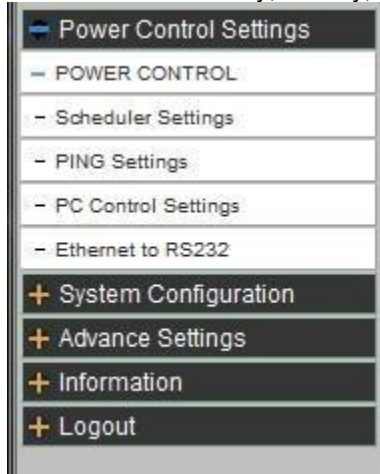
Information

- System
- Log
- Http Commands
- XML Information

Log Out

Power Control Settings

The Power Configuration Section allows you to directly control the outlets of the IPM-401H as well as schedule daily, weekly, and monthly power cycles.



Power Controls

The Power Controls page allows you to control the power, default value, and assign each name:

Power Control

Power No.	Name	Control	Timer		Alarm	Status
			min	sec		
Power 1	[power-1]	<input type="radio"/> On <input checked="" type="radio"/> Off	0	: 0	<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="checkbox"/> E-Mail <input type="checkbox"/> Beep <input type="text" value="OFF"/>
Power 2	[power-2]	<input type="radio"/> On <input checked="" type="radio"/> Off	0	: 0	<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="checkbox"/> E-Mail <input type="checkbox"/> Beep <input type="text" value="OFF"/>
Power 3	[power-3]	<input type="radio"/> On <input checked="" type="radio"/> Off	0	: 0	<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="checkbox"/> E-Mail <input type="checkbox"/> Beep <input type="text" value="OFF"/>
Power 4	[power-4]	<input type="radio"/> On <input checked="" type="radio"/> Off	0	: 0	<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="checkbox"/> E-Mail <input type="checkbox"/> Beep <input type="text" value="OFF"/>
Recycle Power		0	:	15	<input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4	

Device Startup Default Value:

Enable
 Disable(will Startup Device with Last Setting)

Power 1	Power 2	Power 3	Power 4
<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="radio"/> On <input checked="" type="radio"/> Off

System Startup Beeper
 Enable
 Disable

Power Control Rename

Device Name	Power 1	Power 2	Power 3	Power 4
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
Country	<input type="text" value=""/>			
City	<input type="text" value=""/>			

Power Control

Power No: This section shows the outlet of the output that you would like to control.

Name: If the output has been named the name that you have chosen will show up here

Control: The control section will allow you to **turn on** or **turn off** the output manually

Timer: The timer allows you to do second control after first control

Alarm: The alarm section allows the IPM-401H to notify you when an outlet status change. There are two ways that you can be notified either by E-mail or by a beeping sound.

Status: The status function will show you whether the power is on or off.



Recycle power : Here you can set up the delay time " minutes: seconds " of each output form Off to On. You can press the pink button from P1 to P4 to do the power reboot procedure.

Example :

Output 1 status is ON , Set as " 0: 15 " and then press P1 :
The output 1 will turn off immediately and then turn on after 15 seconds.

Demo Start : IPM-401H will turn on and off of each output in turns. For demo purpose only

Device Startup Default Value

The system Power Default Value allows you to set each power port as **on** or **off** when the device power reboot. You can also enable / disable the beeper sound as power reboot (system startup)

Device Startup Default Value: Enable Disable(will Startup Device with Last Setting)

Power 1	Power 2	Power 3	Power 4
<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="radio"/> On <input checked="" type="radio"/> Off	<input type="radio"/> On <input checked="" type="radio"/> Off
System Startup Beeper		<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
<input type="button" value="Submit"/>			

Power Control Rename

Changing the Name of your Device

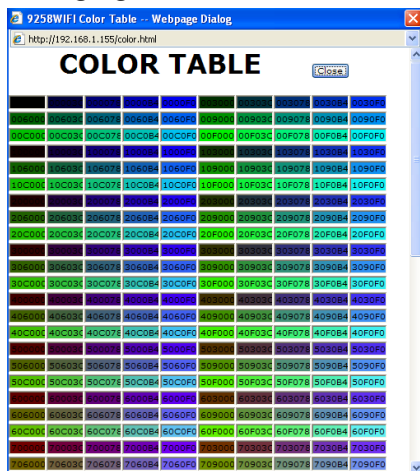
Power Control Rename

Device Name	Power1	Power2	Power3	Power4
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> v	<input type="text"/>
<input type="button" value="Rename"/>				

Device Name: Allows you to name the IPM-401H device. Type in the desired name for the device and hit the rename button

Power 1-4: To rename each outlet, type in the desired name and hit the rename button.

Changing the Color



For easier identification purposes you can also change the color of each device. Just hit the square located to the right of the naming section and a color table window will appear. Select the color of choice and hit the close button.

Setup the Country and City :

This is for search by CNT & IP Service

Scheduler Settings

Scheduler Settings

Page: 1

No.	Start Date	End Date	Time	Device Name	Command	Ping

Delete All Prev Page Next Page

Pages : 1, Records : 0

Schedule Settings

No: Device Name: power-1 Command: On Mode: Date Ping: Enable Disable

Date : From To Time : 16 : 19 : 04

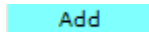
Add Remove Submit Cancel

Power 1 [power-1]	Power 2 [power-2]	Power 3 [power-3]	Power 4 [power-4]
MAC 1 [123456789000]	MAC 2 []	MAC 3 []	MAC 4 []

The scheduler allows you to power devices or turn them off on a scheduled time or basis. Please set up the time gap of each schedule action at 15 seconds at least .

To avoid the action of schedule be delay by the action of Email as keep waiting server response, we suggest to turn off email function as use Schedule.

Adding a scheduled event

1.) Add a new scheduled event start by clicking the Addition button 

2.) Select the Device Name that you would like to control

Device Name : power-1

- power-1
- power-2
- power-3
- power-4

Command : On

- On
- Off

3.) Select the Command

Select a mode:

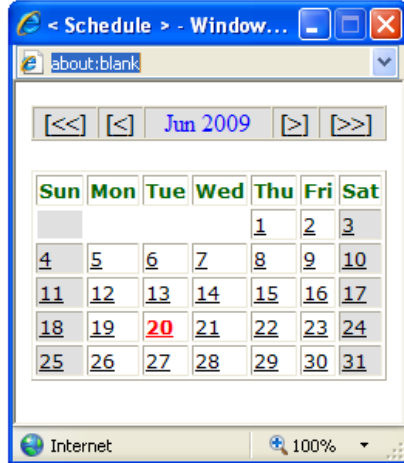
Date: Select a specific date range where the device will repeat the desired actions during the time specified.

Mode : Date

a.) Select the date From with you would like the action to be activated

Date : From  To 

b.) Click on the calendar picture  to select a **From date** and a **To date**:



No.	Start Date	End Date	Time	Device Name	Command	Ping
001	2013/01/07	2013/01/08	08:30:00	power-1	On	

Pages : 1, Records : 1

Weekly: The weekly mode allows the device to repeat the cycle on a weekly basis.

Mode :

a.) Select the From Date and then select the To Date

Week : From To

b.) Enter the time that you would like the action to be activated

Time : : :

4.) Once the scheduler has been setup hit the submit button and you will see your device located on the top of the screen.

Scheduler Settings

Page: 1

No.	Start Date	End Date	Time	Device Name	Command	Ping
001	2013/01/07	2013/01/08	08:30:00	power-1	On	
002	Mon	Sat	09:30:00	power-2	Off	

Delete All Prev Page Next Page

Pages : 1, Records : 2

Removing a Scheduled Event

Scheduler

Page: 1

No.	Start Date	End Date	Time	Device Name	Command
001	2009/01/20	2009/01/23	15:35:10	test1	On
002	Sun	Sat	15:35:43	test1	On
003	Sun	Sun	15:36:08	test1	On
004	Fri	Fri	15:44:04	test3	On

Delete All Prev Page Next Page

Pages : 1, Records : 4

Schedule Settings									
No :	004	Device Name :	test3	Command :	On	Mode :	Weekly		
Week :	From	Fri	To	Fri	Time :	15	: 44	: 04	
			Add	Remove				Submit	Cancel

- 1.) To remove a Scheduled event click on event that you would like to remove.
- 2.) It the remove button.
- 3.) Reconfirm the remove



Editing a Scheduled Event

Scheduler

Page: 1

No.	Start Date	End Date	Time	Device Name	Command
001	2009/01/20	2009/01/23	15:35:10	test1	On
002	Sun	Sat	15:35:43	test1	On
003	Sun	Sun	15:36:08	test1	On
004	Fri	Fri	15:44:04	test3	On

1.)

Delete All Prev Page Next Page Pages : 1, Records : 4

Schedule Settings

No : 004 Device Name : test3 Command : On Mode : Weekly

Week : From Fri To Fri 2.) Time : 15 : 44 : 04

Add Remove 3.) Submit Cancel

- 1.) To edit a scheduled event, click on the even that you would like to edit
- 2.) Edit the settings.
- 3.) Then hit the submit button for confirmation.

Ping : Enable or Disable

The section allow you to set the time period to enable the ping function.

Before setup the "ping" as enable / disable , you need to use the Ping function in " Schedule Setting " .

Ping Settings

(The Ping Settings checks web addresses & devices to make sure they are functioning properly.
If no response is received the 9258WIFI will automatically Turn on, Turn off, or Reset the corresponding device.)

Name	Enable/Disable	Host Name/IP Address	Ping Failures
[power-1]	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	123.123.123.123	3 2
	Action	<input checked="" type="radio"/> On <input type="radio"/> Off <input type="radio"/> Reset Continue 0 min. 0 sec.	
[power-2]	<input checked="" type="radio"/> Enable <input type="radio"/> Disable		3
	Action	<input type="radio"/> On <input checked="" type="radio"/> Off <input type="radio"/> Reset Continue 0 min. 0 sec.	
[power-3]	<input checked="" type="radio"/> Enable <input type="radio"/> Disable		3
	Action	<input type="radio"/> On <input checked="" type="radio"/> Off <input type="radio"/> Reset Continue 0 min. 0 sec.	
[power-4]	<input checked="" type="radio"/> Enable <input type="radio"/> Disable		3
	Action	<input type="radio"/> On <input checked="" type="radio"/> Off <input type="radio"/> Reset Continue 0 min. 0 sec.	
Global Setting			
Ping Interval:		2 Seconds	
Ping Echo Wait:		20 Millisecond	
Submit Cancel			

Scheduler Settings

Page: 1

No.	Start Date	End Date	Time	Device Name	Command	Ping
001	2013/01/07	2013/01/08	08:30:00	power-1	On	Enable
002	Mon	Sat	09:30:00	power-2	Off	

Pages : 1, Records : 2

Schedule Settings

No: 001 Device Name: power-1 Command: On Mode: Date Ping: Enable Disable

Date: From 2013/01/07 To 2013/01/08 Time: 08 : 30 : 00

Power 1 [power-1]	Power 2 [power-2]	Power 3 [power-3]	Power 4 [power-4]
MAC 1 [123456789000]	MAC 2 [123456789123]	MAC 3 [123456789111]	MAC 4 [123456789222]

Ping Settings

The ping function on IPM-401H allows the device to automatically Ping an IP Address to act as a watchdog to make sure the device getting Pinged is working properly.

Also to setup the "Wake up Settings " for each output with ping failures .

Let's start by describing the sections of the Ping Interface.

Ping Settings

(The Ping Settings checks web addresses & devices to make sure they are functioning properly. If no response is received the 9258WIFI will automatically Turn on, Turn off, or Reset the corresponding device.)

Name	Enable/Disable	Host Name/IP Address	Ping Failures
[power-1]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		3
Action		<input type="radio"/> On <input checked="" type="radio"/> Off <input type="radio"/> Reset Continue ▾ 0 min. 0 sec.	
[power-2]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		3
Action		<input type="radio"/> On <input checked="" type="radio"/> Off <input type="radio"/> Reset Continue ▾ 0 min. 0 sec.	
[power-3]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		3
Action		<input type="radio"/> On <input checked="" type="radio"/> Off <input type="radio"/> Reset Continue ▾ 0 min. 0 sec.	
[power-4]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		3
Action		<input type="radio"/> On <input checked="" type="radio"/> Off <input type="radio"/> Reset Continue ▾ 0 min. 0 sec.	
Global Setting			
Ping Interval:	2 Seconds		
Ping Echo Wait:	20 Millisecond		
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>			

Wake-up Settings

Name	Enable/Disable	Host Name/IP Address	Ping Failures
Mac1[]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		3
Mac2[]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		3
Mac3[]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		3
Mac4[]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable		3
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>			

9258 HP Connectivity

Alarm Enable Disable

(Checks the connection status of the 9258WIFI. If no connection is found the 9258WIFI will make a beeping sound to notify you that the device has lost connection.)

Ping Settings

Name:

Name
[power-1]
[power-2]
[power-3]
[power-4]

This section lists out the ports of the device. If a name has been selected in the power control section they will appear here instead of the default names.

Action Enable / Disable:

Enable/Disable
<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Action

In this section you can turn enable or disable the ping function for each individual output.

Host Name / IP Address:

Ping Settings

(The Ping Settings checks web addresses & devices to make sure they are functioning properly. If no response is received the 9258WIFI will automatically Turn on, Turn off, or Reset the corresponding device.)

Name	Enable/Disable	Host Name/IP Address	Ping Failures
[power-1]	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	192.168.2.100 <input type="button" value="Ping"/>	3 0
	Action	<input type="radio"/> On <input type="radio"/> Off <input checked="" type="radio"/> Reset <input type="button" value="Continue"/> 1 min. 20 sec.	

Input the IP Address or web address of the IP you would like to ping.

Select the action that you would like the Ping Function to use when the device being Ping cannot be located or is not responding.

Ping Failures:

Ping Failures
2 0
2 2

Select the number of Ping Failures that you would like to occur before the action is activated. The reddish pink number to the right represents the actual number of ping failures. Keep in mind that four consecutive pings equals to 1 Ping failure.

Example:

Say you have **Port 2 set to 2 Ping failures** this is what would happen:

Port 1: Pings with no failure the device will move to Port 2

Port 2: If Port 2 has a Ping failure it will continue Pinging until 4 unsuccessful ping with equals 1 failure.

Ping failure is now 1

Then it moves to the next port. (When it reaches the designated Ping failures then the action will happen)

Port 3: Pings with no failure the device will move to Port 4

Port 4: Pings with no failure the device will move to Port 1

Port 1: Pings with no failure the device will move to Port 2

Port 2: If Port 2 has a Ping failure it will continue Pinging until 4 unsuccessful ping with equals 1 failure.

Ping Failure is now 2

9258 will do the action and reset Port 2 by Turning the port off first

Then since you have set the timer to 1 minute and 20 seconds, the device will turn back on the port in that time.

Note: *The timer is usually used for devices that have a boot up time this will prevent the device from continuously resetting the device attached*

Then the 9258 will continue to then next port and continue this cycle.

Port 3: Pings with no failure the device will move to Port 4

Port 4: Pings with no failure the device will move to Port 1

Wake-up Settings :

Wake-up Settings				
Name	Enable/Disable	Host Name/IP Address		Ping Failures
Mac1[123456789000]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	<input type="text"/>	<input type="text"/>	<input type="text" value="3"/>
Mac2[]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	<input type="text"/>	<input type="text"/>	<input type="text" value="3"/>
Mac3[]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	<input type="text"/>	<input type="text"/>	<input type="text" value="3"/>
Mac4[]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	<input type="text"/>	<input type="text"/>	<input type="text" value="3"/>

9258WIFI Connectivity	
Alarm	<input checked="" type="radio"/> Enable <input type="radio"/> Disable

(Checks the connection status of the 9258WIFI, if no connection is found the 9258WIFI will make a beeping sound to notify you that the device has lost connection.)

The section allow you to auto wake up the assigned PC (with setting MAC) in LAN by the times of " Ping Failures " .

To enable the " wake up setting " , you need to assign the MAC address of controlled device in " PC Control Settings " of " Power Control Settings" as following :

First : Click " PC Control settings " of "Power Control settings " and set the MAC address plan to ping and click "Save" bottom.

PC Control Settings

Network Wake-up Settings		
MAC1:	<input type="text" value="123456789000"/>	<input type="button" value="Wake-Up"/>
MAC2:	<input type="text" value="123456789123"/>	<input type="button" value="Wake-Up"/>
MAC3:	<input type="text" value="123456789111"/>	<input type="button" value="Wake-Up"/>
MAC4:	<input type="text" value="123456789222"/>	<input type="button" value="Wake-Up"/>

Second : Go to "Wake up Settings " under " Ping Settings "" of " Power Control settings " and setup : enable , IP address and the times of ping failures.

Wake-up Settings					
Name	Enable/Disable	Host Name/IP Address		Ping Failures	
Mac1[123456789000]	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	www.google.com	[173.194.72.147]	6	0
Mac2[123456789123]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable			3	
Mac3[123456789111]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable			3	
Mac4[123456789222]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable			3	

As above picture , the pink value 0 next to the Ping Failures value 6 means the exact pig failure times is zero time . As the pink value reach to the setting value , device will action as setting .

Connectivity Alarm :

The section allow you to enable or disable the alarm as lost network connectivity. As enable this function , IPM-401H will keep beeping if it`s own network connectivity lost.

Connectivity	
Alarm	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
<input type="button" value="Submit"/>	

PC Control Settings

The section allow you to control PC shutdown and wake up in LAN .

PC Control Settings

Network Wake-up Settings		
MAC1:	123456789000	<input type="button" value="Wake-Up"/>
MAC2:	123456789123	<input type="button" value="Wake-Up"/>
MAC3:	123456789111	<input type="button" value="Wake-Up"/>
MAC4:	123456789222	<input type="button" value="Wake-Up"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>		

Shutdown Settings			
Name	Enable/Disable	Delay-time (min:sec)	Test
[power-1]	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Time : 00 : 30	<input type="button" value="Shout-Down"/>
[power-2]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	Time : 00 : 00	<input type="button" value="Shout-Down"/>
[power-3]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	Time : 00 : 00	<input type="button" value="Shout-Down"/>
[power-4]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	Time : 00 : 00	<input type="button" value="Shout-Down"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>			

Network Wake-up Settings

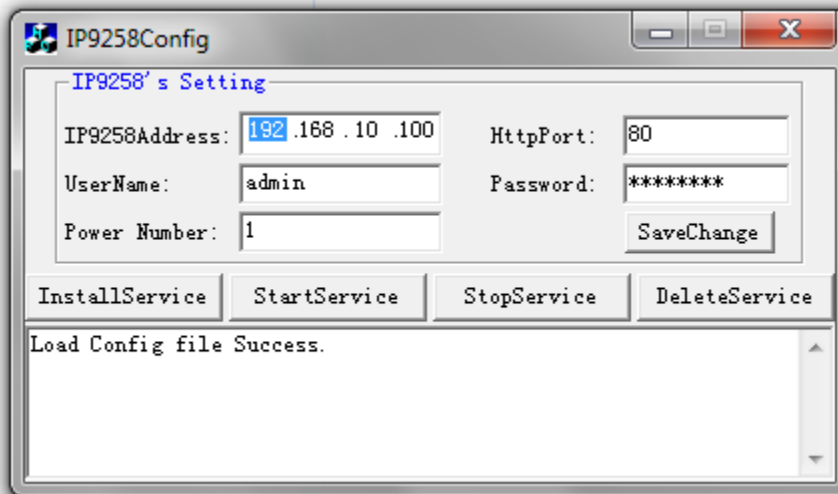
This section allow you to wake up the mainboard (by MAC address) in LAN. The main board of this PC need to support and enable " Wake On Lan" function in it's BIOS. Please fill the MAC address and click save bottom.

Network Wake-up Settings		
MAC1:	<input type="text" value="123456789000"/>	<input type="button" value="Wake-Up"/>
MAC2:	<input type="text" value="123456789123"/>	<input type="button" value="Wake-Up"/>
MAC3:	<input type="text" value="123456789111"/>	<input type="button" value="Wake-Up"/>
MAC4:	<input type="text" value="123456789222"/>	<input type="button" value="Wake-Up"/>
		<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Shutdown settings :

Premise:

To safely shutdown your PC (shutdown Windows system first then turn off the outlet power) , please install our software " IPMConfig.exe " at the PC you would like to shut down in LAN through our IP Power series. The software need to keep working in system.



IP9258Config

IP9258' s Setting

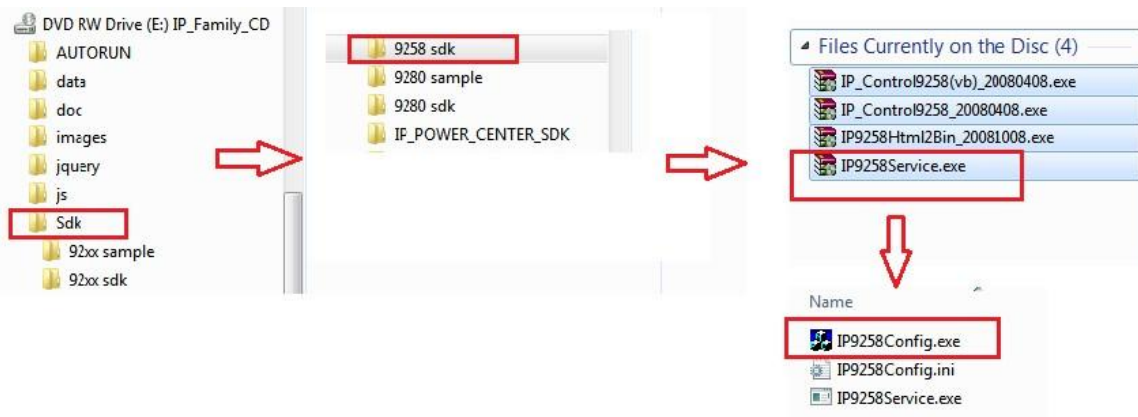
IP9258Address: HttpPort:

UserName: Password:

Power Number:

Load Config file Success.

You can get the software " IP9258Config.exe " in 9258SDK SDK section in our CD :



In the webpage of IPM-401H , you can enable disable this function and delay the time to turn off the Windows OS system by our own software " and then wake up the PC in LAN . The main board of this PC need to support and enable " Wake On Lan" function in it's BIOS.

The delay time is 30 seconds at least.

Shutdown Settings			
Name	Enable/Disable	Delay-time (min:sec)	Test
[power-1]	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	Time : 00 : 30	<input type="button" value="Shout-Down"/>
[power-2]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	Time : 00 : 00	<input type="button" value="Shout-Down"/>
[power-3]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	Time : 00 : 00	<input type="button" value="Shout-Down"/>
[power-4]	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	Time : 00 : 00	<input type="button" value="Shout-Down"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>			

Ethernet to RS232

This section allows the RS232 port on IPM-401H to receive / pass out command from other IPM.

Ethernet to RS232

RS232 Settings		<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
Baud Rates:	57600 ▾ BPS	TYPE:	<input checked="" type="radio"/> Master <input type="radio"/> Slave
Command:	http://192.168.100.126/Set.cmd?CMD=SetSerTxSt+Str= <input type="text"/>		
Result:	command: <input type="text"/>		
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>			

9258WIFI Sample					
Name	Control		Name	Control	
Power1	<input type="button" value="On"/>	<input type="button" value="Off"/>	Power2	<input type="button" value="On"/>	<input type="button" value="Off"/>
Power3	<input type="button" value="On"/>	<input type="button" value="Off"/>	Power4	<input type="button" value="On"/>	<input type="button" value="Off"/>
Power Status	<input type="button" value="Power Status"/>				
Demo	<input type="button" value="Demo Start"/> <input type="button" value="Demo Stop"/>				

System Configuration

User Management

User Management

User List	
User Name	User Group
admin	Administrator
demowifi	Administrator

Anonymous User Settings	
Enable anonymous viewer login (no user name or password required)	Yes <input type="radio"/> No <input checked="" type="radio"/>
Maximum number of simultaneous users limited to:	<input type="text" value="20"/> (Maximum value:20)
<input type="button" value="Save"/>	<input type="button" value="Reset"/>

The User Management section allows you to create users that will be able to access your device.

There are two main types of users:

Administrator: The Administrator has the authority to create other users, remove users, and control the device.

Guest: The guest only has the ability to view & operate the device. Any other function will be disabled.

Adding an User

- 1.) Click on the add button  and a add user screen will appear below



Add New User

User name:

Password:

Confirm password:

User group: User Administrator

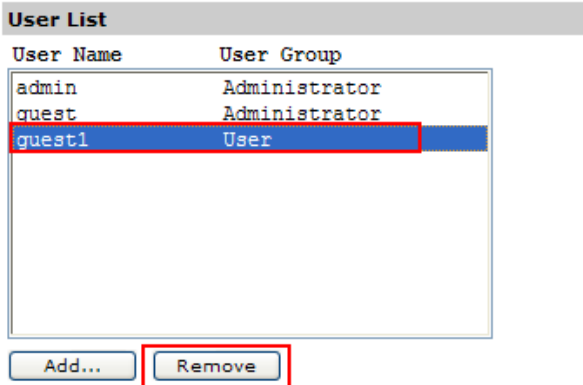
- 2.) Type in Username, Password, Confirmation Password and select the User Group.
- 3.) Then click the save button to add the new user.

The maximum number of users that can be created is 20

Removing an User

- 1.) Highlight the user that you would like to remove.

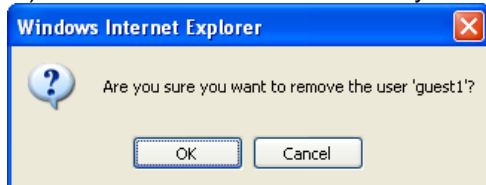
User Management



User List

User Name	User Group
admin	Administrator
quest	Administrator
quest1	User

- 2.) Then hit the remove button to remove the unwanted user.
- 3.) You will be asked to reconfirm your remove action. Click ok to continue



Anonymous User Settings

Anonymous User Settings

Enable anonymous viewer login (no user name or password required) Yes No

Maximum number of simultaneous users limited to: (Maximum value:20)

Using the Anonymous user settings allows anyone to enter the device and change the settings. By default this setting is set to Disable

Change Password

Change Password

Change Password

User name:

Password:

Confirm password:

The change password page allows you to change your password for the IPM-401H. You must login as the administrator to change the password for the device.

- 1.) Just type in a new password and reconfirm the password
- 2.) Hit the save button and the IPM-401H will ask you to re-enter the new password.

Network Settings

Networking

IP Address Configuration

Obtain IP address via DHCP

DHCP try time (Range 0 ~180 sec) : sec

Use the following IP address:

IP address:

Subnet mask:

Default router:

DNS Configuration

Obtain DNS server address via DHCP

Use the following DNS server address:

Primary DNS server:

Secondary DNS server:

HTTP

HTTP port:

DHCP Clone Mac

Yes No - - - - -

IP Address Configuration

Networking

IP Address Configuration

Obtain IP address via DHCP

DHCP try time (Range 0 ~180 sec) : sec

Use the following IP address:

IP address:

Subnet mask:

Default router:

Obtain IP address via DHCP: This allows the IPM-401H to automatically obtain a IP Address from the server. *Recommended for non-advance users.*

Use the following IP address: You can also enter the IP Address information manually by selecting this setting. *For advance user.*

DNS Configuration

DNS Configuration
 Obtain DNS server address via DHCP
 Use the following DNS server address:
Primary DNS server:
Secondary DNS server:

Obtain DNS server address via DHCP: This allows the IPM-401H to automatically obtain a IP Address from the server. Recommended for non-advance users.

Use the following DNS server address: You can also enter the IP Address information manually by selecting this setting. For advance user.

HTTP Port

HTTP
HTTP port:

Http port: Enter the port of IPM-401H here in this section.

Note: You will need to port forward your device to this port on your router in order for the device to be able to be accessed from outside of the network

DHCP Clone MAC

DHCP Clone Mac
Yes No - - - - -

The clone Mac section allows you to clone a Mac address. This setting is usually used when a Mac address is blocked by the ISP. By cloning a Mac the device can still be accessed through the internet.

PPPOE Settings

PPPoE

Configuration
Enable PPPoE: Yes No
User Name:
Password:
Email Notification when IP is changed: Yes No

Status
IP address: 0.0.0.0
Default router: 0.0.0.0
Primary DNS server: 0.0.0.0
Secondary DNS server: 0.0.0.0
Connection State: Disabled

If you use DSL or ADSL and need to enter the PPPoE for the IPM-401H to connect to the internet: 1.) Enable the PPPoe settings
2.) Type in the username and password

3.) Hit the save button

If E-mail notification is necessary when IP has changed select Yes in that section.

Date & Time

Date & Time Settings

Current Server Time			
Date:	<input type="text" value="2009-01-20"/>	Time:	<input type="text" value="17:12:27"/>
Time Zone			
<input type="text" value="GMT+08 (Beijing, Hong Kong, Shanghai, Taipei, Taiwan)"/> ▼			
Time Mode			
NTP server 1:	<input type="text" value="pool.ntp.org"/>		
NTP server 2:	<input type="text" value="pool.ntp.org"/>		
Update Server Time			
Synchronize with computer time <input type="button" value="Update"/>			
Date:	<input type="text" value="2009-01-20"/>	Time:	<input type="text" value="17:12:13"/>
Set manually <input type="button" value="Update"/>			
Date:	<input type="text" value="2009-01-20"/>	Time:	<input type="text" value="17:12:25"/>
<input type="button" value="Save"/> <input type="button" value="Reset"/>			

The Date and time section, is where you can set the time and date of the IPM-401H. There are four sections:

Current Server Time

This displays the current time of the IPM-401H

Time Zone

Displays the time zone of the country that you reside in.

Time Mode

The NTP Server allows the IPM-401H to check with a NTP (Network Time Protocol) to constantly keep the internal clock of the device updated.

Update Server Time

To manually update the Server time, type in the current time then hit the save button.

Advance Configuration

Maintenance

Maintenance

Maintain Server

- Restart** Restart the 9258 WIFI Device.
- Restore** Resets all parameters, except the IP parameters, to the original factory settings.
- Default** Resets all parameters to the original factory settings.

Upgrade Server

Upgrade the 9258WIFI with the latest firmware.current version 1.00 [2009-01-20]

Specify the firmware to upgrade to: **Browse...** and click **Upgrade**

Note: Do not disconnect power to the unit during the flash upgrade. The unit restarts automatically after the upgrade has completed. (1-10 minutes.)

The Maintenance section has two sections

Maintain Server

Maintenance

Maintain Server

- Restart** Restart the 9258 WIFI Device.
- Restore** Resets all parameters, except the IP parameters, to the original factory settings.
- Default** Resets all parameters to the original factory settings.

This section of the IPM-401H allows you to

Restart: Restarts the IPM-401H devices

Restore: Resets all parameters, except the IP parameters, to the original factory settings

Default: Resets all parameters to the original factory settings

Upgrade Server

Upgrade Server

Upgrade the 9258WIFI with the latest firmware.current version 1.00 [2009-01-20]

Specify the firmware to upgrade to: **Browse...** and click **Upgrade**

Note: Do not disconnect power to the unit during the flash upgrade. The unit restarts automatically after the upgrade has completed. (1-10 minutes.)


To upgrade the IPM-401H:

- 1.) Hit the brose button and search for the upgrade file.
- 2.) Hit the upgrade button and follow the directions carefully.

DDNS

Dynamic DNS Setting

Dynamic DNS

Choose Server: 

DNS Account:

User Name:

Password:

Status:

The DDNS section allows you to setup the IPM-401H with a DDNS server (i.e. www.dyndns.com). After the server has been setup correctly, enter the necessary information into the IPM-401H DDNS settings.

IP Server & CNT

The IP Server & CNT functions allow the device to be easily accessed on the internet. With this feature anyone can find there device with no problems.

IPSERVICE (Get internet ip through ip service)

IPService Settings

IPService Enable

IPService server address:

Status:

IP Server: Allows you can find your IPM-401H on the internet without having to remember long IP Addresses. Instead you can just remember the name of your device.

The Default IP Server Address is: 220.135.169.136

CNT Service(Cross Network Technology)



CNT Service Settings

Enable CNT Service

CNT Server Address:

Status:

CNT allows the device to easily be accessed on the internet, you no longer have to port forward your device to be able to use it. Only some devices are CNT compatible.

The Default IP Server Address is: 61.59.37.154

Telnet & Snmp Settings

Telnet Settings

Telnet	
Telnet Switch:	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
<input type="button" value="Save"/>	<input type="button" value="Reset"/>

Snmp Settings

Snmp	
Snmp Switch:	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
<input type="button" value="Save"/>	<input type="button" value="Reset"/>

¹ All changed must be restart to take effect.

Email Settings

Email Settings

E-mail 1	
Mail Server:	<input type="text" value="smtp.sample.com"/>
From E-Mail address:	<input type="text" value="user@sample.com"/>
To E-Mail address:	<input type="text" value="receiver@sample.com"/> <input type="button" value="Test"/>
Authentication:	Yes <input type="radio"/> No <input checked="" type="radio"/>
User Name:	<input type="text" value="user"/>
Password:	<input type="password" value="*****"/>
E-mail 2	
Mail Server:	<input type="text"/>
From E-Mail address:	<input type="text"/>
To E-Mail address:	<input type="text"/> <input type="button" value="Test"/>
Authentication:	Yes <input type="radio"/> No <input checked="" type="radio"/>
User Name:	<input type="text"/>
Password:	<input type="password"/>

¹ Mandatory fields. If these are not set, no mail can be sent.

² If a host name is used, a valid DNS server must be specified in the TCP/IP network settings.

<input type="button" value="Save"/>	<input type="button" value="Reset"/>
-------------------------------------	--------------------------------------

The email function allows you to send emails for notification purposes. The IPM-401H allows you to setup up to 2 separate E-mails just in case one is down. Both E-mails will be sending notification E-mails

Mail Server: The mail server is the field where you will enter the outgoing

From E-Mail Address: This is the senders Email Address

Authentication: If the mail server needs to be authenticated make sure the yes is checked in

User Name: Login for the E-mail address

Password: Password for the E-mail address.

Blacklist

Black List

Index	Command	Blacklisted IP
-------	---------	----------------

Delete All

Black List Settings		Disable	Enable
Index :	<input type="text"/>	Blacklisted IP : From	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> To <input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
<input type="button" value="Add"/>		<input type="button" value="Remove"/>	<input type="button" value="Submit"/> <input type="button" value="Cancel"/>

Login IP Address : 192.168.1.33

Message :

The Blacklist allows you to block certain range groups of IP Address. By doing this these blocked IP Addresses will not be able to access your device at all.

Blocking an IP Address

- 1.) First hit the Add button to start the process.
- 2.) Then type the blacklisted IP Address.

Black List Settings		Disable	Enable
Index :	<input type="text" value="02"/>	Blacklisted IP : From	<input type="text" value="192"/> . <input type="text" value="178"/> . <input type="text" value="12"/> . <input type="text" value="1"/> To <input type="text" value="192"/> . <input type="text" value="178"/> . <input type="text" value="12"/> . <input type="text" value="31"/>

- 3.) Then hit the submit button
- 4.) You will then see the newly added IP Address in the Black List .

Black List

Index	Command	Blacklisted IP
01	Enable	192.168. 7. 10 ~ 192.168. 7. 10

Removing an IP Address

To remove an IP Address:

Black List

Index	Command	Blacklisted IP
01	Enable	192.168. 7. 10 ~ 192.168. 7. 10
02	Enable	192.168. 1.100 ~ 192.168. 1.100

Delete All

Black List Settings Disable Enable

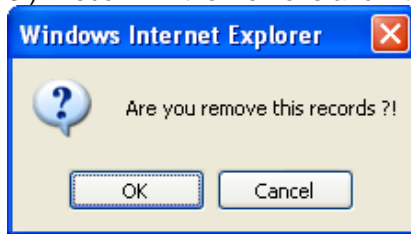
Index : 02 Blacklisted IP : From 192 . 168 . 1 . 100 To 192 . 168 . 1 . 100

Add Remove 2.) Submit Cancel

Login IP Address : 192.168.1.33

Message :

- 1.) Click on the IP Address that you would like to remove.
- 2.) Hit the Remove Button.
- 3.) Reconfirm the Remove and hit Ok.



Information

Information
System
LOG
Http Command
XML Information

The Information section contains the:

System: The System section will provide basic information on the devices network status.

LOG: The log is a log of all the movements that have occurred in the device.

Http Command: HTTP Commands is a command generator and t

XML Information: XML allows the user to use XML for integrating in different uses.

System

System

System Information	
Firmware Current Version/Date	1.00 [2009-01-20]
Network Status	
Ethernet MAC Address	00-92-60-00-00-38
LAN IP Address	192.168.1.59
LAN Netmask Address	255.255.255.0
LAN Gateway Address	192.168.1.1
DHCP State	Disabled
Wireless Status	
Connection	UP
Channel	2
Signal Level	90%
TX Rate	54Mbps

The system section tells you information about the IPM-401H. This is where you will find information on the:

System Information

Firmware Current Version/Date: This will tell you the firmware version of the device.

Network Status

Ethernet MAC Address: The MAC address of the IPM-401H will be displayed here

LAN IP Address: IP Address of the IPM-401H

LAN Netmask Address: This will show the subnet Mask of the IPM-401H

LAN Gateway Address: This information will provide the gateway information.

DHCP State: The DHCP state will notify the state of the IPM-401H.

Log

Log Settings

Log Configuration																																			
Mode	<input type="radio"/> DRAM <input checked="" type="radio"/> FLASH																																		
Flash write time:	<input type="text" value="60"/> [1..65535] min																																		
<input type="button" value="Save"/>	<input type="button" value="Reset"/>																																		
Log Status																																			
<table><thead><tr><th>Time</th><th>Status</th><th>Page: 1</th></tr></thead><tbody><tr><td>001 15:07:40 01/20/2009</td><td>admin logout from 192.168.1.21</td><td></td></tr><tr><td>002 15:07:37 01/20/2009</td><td>[test3]: ON ->OFF[manual] from 192.168.1.21</td><td></td></tr><tr><td>003 15:07:32 01/20/2009</td><td>admin login from 192.168.1.21</td><td></td></tr><tr><td>004 15:05:56 01/20/2009</td><td>admin logout from 192.168.1.79</td><td></td></tr><tr><td>005 15:04:41 01/20/2009</td><td>[test3]: OFF->ON [manual] from 192.168.1.79</td><td></td></tr><tr><td>006 15:04:34 01/20/2009</td><td>admin login from 192.168.1.79</td><td></td></tr><tr><td>007 14:46:31 01/20/2009</td><td>DemoWIFI Boot ~</td><td></td></tr><tr><td>008 14:39:45 01/20/2009</td><td>[test2]: ON ->OFF[manual] from http_cmd</td><td></td></tr><tr><td>009 14:39:45 01/20/2009</td><td>[test1]: OFF->ON [manual] from http_cmd</td><td></td></tr><tr><td>010 11:56:43 01/20/2009</td><td>admin login from 192.168.1.33</td><td></td></tr></tbody></table>	Time	Status	Page: 1	001 15:07:40 01/20/2009	admin logout from 192.168.1.21		002 15:07:37 01/20/2009	[test3]: ON ->OFF[manual] from 192.168.1.21		003 15:07:32 01/20/2009	admin login from 192.168.1.21		004 15:05:56 01/20/2009	admin logout from 192.168.1.79		005 15:04:41 01/20/2009	[test3]: OFF->ON [manual] from 192.168.1.79		006 15:04:34 01/20/2009	admin login from 192.168.1.79		007 14:46:31 01/20/2009	DemoWIFI Boot ~		008 14:39:45 01/20/2009	[test2]: ON ->OFF[manual] from http_cmd		009 14:39:45 01/20/2009	[test1]: OFF->ON [manual] from http_cmd		010 11:56:43 01/20/2009	admin login from 192.168.1.33		<input type="button" value="Clear..."/> <input type="button" value="PrevPage.."/> <input type="button" value="NextPage.."/> <input type="button" value="Save File"/> <input type="button" value="e-mail"/>	Pages : 10, Records : 100
Time	Status	Page: 1																																	
001 15:07:40 01/20/2009	admin logout from 192.168.1.21																																		
002 15:07:37 01/20/2009	[test3]: ON ->OFF[manual] from 192.168.1.21																																		
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009 14:39:45 01/20/2009	[test1]: OFF->ON [manual] from http_cmd																																		
010 11:56:43 01/20/2009	admin login from 192.168.1.33																																		

The Log Section collects information on the device. From when someone logged in to what ports were activated. The log can keep up to 100 records.

The most recent log will be the first log in the log.

Saving the Log:

Saving the Log File will allow you to save the current view onto a text file. To accomplish this hit the save file button. A new window will pop out and ask you to

save the log in the directory of the computer. A new screen will appear, please save the log carefully.

E-mail: Email will E-mail the current log page to the selected receiver mail in the E-mail settings.

Http Command

Http Command Format -	
http://IP Address:Port/[Command]	
Example :	http://192.168.1.59:59/Demo.cgi?start=0
http://name:password@IP Address:Port/[Command]	
Example :	http://admin:admin@192.168.1.59:59/Demo.cgi?start=0
http://IP Address:Port/[Command]user=name+pass=password+[Parameter]	
Example :	http://192.168.1.59:59/Demo.cgi?user=admin+pass=admin+start=0

HTTP Command :

Control **Name** **Others**

Command	Parameter	Auth Req.	Allowed User	Action
SetPower	p1=0+p2=1+... [Range=p1~p4; 0=OFF,1=ON] p1= <input type="button" value="OFF"/> p2= <input type="button" value="OFF"/> p3= <input type="button" value="OFF"/> p4= <input type="button" value="OFF"/>	Yes	Administrator	Run CMD Cmd Syntax
GetPower	None	No	AnyBody	Run CMD Cmd Syntax
SetStartup	status=1+p1=0+p2=1+... [stauts=0->Disable, 1->Enable; Range=p1~p4; 0=OFF,1=ON] status= <input type="button" value="ON"/> p1= <input type="button" value="OFF"/> p2= <input type="button" value="OFF"/> p3= <input type="button" value="OFF"/> p4= <input type="button" value="OFF"/>	Yes	Administrator	Run CMD Cmd Syntax
GetStartup	None	No	AnyBody	Run CMD Cmd Syntax

The Http Command section is a very powerful tool in the IPM-401H. This section allows you to easily create HTTP Commands to specific commands you are looking for. It also allows you to run commands directly from here.

Control **Name** **Others**

Command	Parameter	Auth Req.	Allowed User	Action
SetPower	p1=0+p2=1+... [Range=p1~p4; 0=OFF,1=ON] p1= <input type="button" value="OFF"/> p2= <input type="button" value="OFF"/> p3= <input type="button" value="OFF"/> p4= <input type="button" value="OFF"/>	Yes	Administrator	Run CMD Cmd Syntax
GetPower	None	No	AnyBody	Run CMD Cmd Syntax
SetStartup	status=1+p1=0+p2=1+... [stauts=0->Disable, 1->Enable; Range=p1~p4; 0=OFF,1=ON] status= <input type="button" value="ON"/> p1= <input type="button" value="OFF"/> p2= <input type="button" value="OFF"/> p3= <input type="button" value="OFF"/> p4= <input type="button" value="OFF"/>	Yes	Administrator	Run CMD Cmd Syntax
GetStartup	None	No	AnyBody	Run CMD Cmd Syntax

Command: The command is the command name

Parameter: Is the parameters that you would like to be used or ran in the command.

Auth Req.: If a password is required

Allowed User: Which user is allowed to use this command

Action:

- Run CMD: Will execute the command you have desired
- Cmd Syntax: Will produce the syntax needed to execute the command manually.

Here are all the available commands

Control	Name	Others
Command	Command	Command
SetPower	SetDeviceName	GetVer
GetPower	GetDeviceName	GetSeries
SetStartup	SetPowerName	Demo.cgi
GetStartup	GetPowerName	

Http Commands Format

Http Command Format -	
http://IP Address:Port/[Command]	
Example :	http://192.168.1.59:59/Demo.cgi?start=0
http://name:password@IP Address:Port/[Command]	
Example :	http://admin:admin@192.168.1.59:59/Demo.cgi?start=0
http://IP Address:Port/[Command]user=name+pass=password+[Parameter]	
Example :	http://192.168.1.59:59/Demo.cgi?user=admin+pass=admin+start=0

On the Top of the Http Commands Section you will find the syntax to submit commands to the device.

View & Run Commands

Create Command Lines

HTTP Command : 3.)

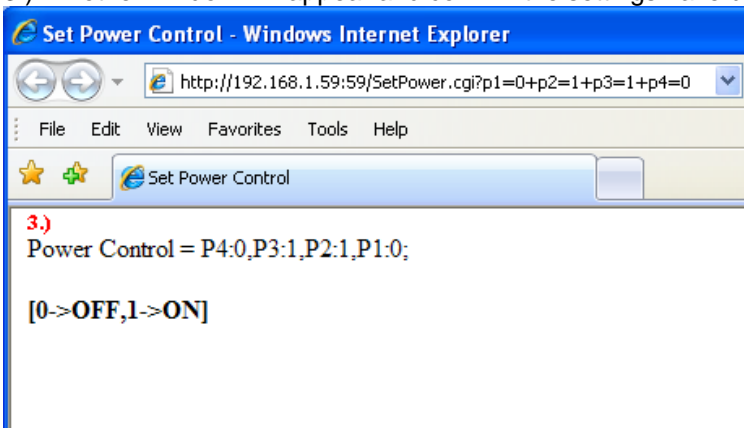
Control	Name	Others
Command	Parameter	Action
SetPower	p1=0+p2=1+... [Range=p1~p4; 0=OFF,1=ON] p1= <input type="button" value="ON"/> p2= <input type="button" value="ON"/> p3= <input type="button" value="ON"/> p4= <input type="button" value="OFF"/>	Yes Administrator Run CMD Cmd Syntax 2.)
GetPower	None	No AnyBody Run CMD Cmd Syntax
SetStartup	status=1+p1=0+p2=1+... [stauts=0->Disable, 1->Enable; Range=p1~p4; 0=OFF,1=ON] status= <input type="button" value="ON"/> p1= <input type="button" value="OFF"/> p2= <input type="button" value="OFF"/> p3= <input type="button" value="OFF"/> p4= <input type="button" value="OFF"/>	Yes Administrator Run CMD Cmd Syntax
GetStartup	None	No AnyBody Run CMD Cmd Syntax

- 1.) To Create command Lines select the appropriate settings to achieve the desired commands.
- 2.) Hit the Cmd Syntax link to create the http Command
- 3.) The command line will be created in the HTTP Command section.

Run Command Lines

Control	Name	Others	Auth Req.	Allowed User	Action
Command	Parameter				
SetPower	p1=0+p2=1+... [Range=p1~p4; 0=OFF,1=ON] p1= OFF p2= ON p3= ON p4= OFF 1.)		Yes	Administrator	Run CMD 2.) Cmd Syntax
GetPower	None		No	AnyBody	Run CMD Cmd Syntax
SetStartup	status=1+p1=0+p2=1+... [stauts=0->Disable, 1->Enable; Range=p1~p4; 0=OFF,1=ON] status= ON p1= OFF p2= OFF p3= OFF p4= OFF		Yes	Administrator	Run CMD Cmd Syntax
GetStartup	None		No	AnyBody	Run CMD Cmd Syntax

- 1.) To Create command Lines select the appropriate settings to achieve the desired commands.
- 2.) Hit the Run CMD link Run the command desired.
- 3.) Another window will appear and confirm the settings have been activated.



Please review the section on the Controlling the Device for a list all of all the available commands.

XML Information

XML Settings

XML Configuration

Disable Enable

Submit

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
- <root>
- <device>
  <Type>9258 WIFI</Type>
  <Name>DemoWIFI[192.168.1.59]</Name>
  <macaddress>009260000038</macaddress>
  <version>Version:1.00</version>
  <series />
  <URL>http://192.168.1.59:59/info.xml</URL>
</device>
- <power_control>
  <dev_name>DemoWIFI</dev_name>
  <port1>test1 - OFF</port1>
  <port2>test2 - OFF</port2>
  <port3>test3 - OFF</port3>
  <port4>test4 - OFF</port4>
</power_control>
</root>
```

The XML function allows you to use XML for programming purposes. To enable the XML make sure the Enable button has been selected and press submit.

8.) Controlling the Device

CGI HTTP Commands

CGI Commands allow you to easily integrate the IPM-401H 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.

Control

- **SetPower** – Allows you to turn on and off the IPM-401H
<http://192.168.1.100:90/SetPower.cgi?p1=1+p2=1+p3=1+p4=1>, OFF=0, ON=1
- **GetPower** – Tells you the current power settings
<http://192.168.1.100:90/GetPower.cgi?>
- **SetStartup** – Sets the Default Startup Value for Ports 1-4
<http://192.168.1.100:90/SetStartup.cgi?status=1+p1=1+p2=0+p3=1+p4=0>
status= 0 is Disable , 1 is Enable
- **GetStartup** – Get the Default Startup Value for Ports 1-4
<http://192.168.1.100:90/GetStartup.cgi?>

Name

- **SetDeviceName** – Set the Device Name
<http://192.168.1.100:90/SetDeviceName.cgi?Name=>
- **GetDeviceName** – Get Device Name
<http://192.168.1.100:90/GetDeviceName.cgi?>
- **SetPowerName** – Set Power Name for Each Outlet
<http://192.168.1.100:90/SetPowerName.cgi?p1=test1+p2=test2+p3=test3+p4=test4>
- **GetPowerName** – Get Power Name
<http://192.168.1.100:90/GetPowerName.cgi?>

Others

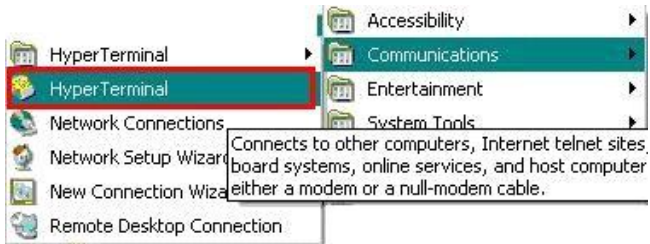
- **GetVer** – Get the Firmware Version of the IPM-401H
- **GetSeries** – Get the Serial Number of the IPM-401H
- **Demo.cgi** – Sets the IPM-401H in Demo Mode
<http://192.168.1.100:90/Demo.cgi?start=0>
<http://192.168.1.100:90/Demo.cgi?stop=1>

Serial Com (RS-232) Control

Serial Port (RS-232)

The Com1 allows you to read the status of the IPM-401H. Information can be extracted through this port like an output

- 1.) Use DB9 cable connect to the COM1 of PC and the RS232 of device
- 2.) Execute WIN program "**Hyper Terminal**" : please go to " Start" / "program" / "Accessories" / "Communications" / "Hyper Terminal" .



3.) Enter a name and choose an icon.



4.) Select the correct Com port for your RS-232



5.) Use these settings provided below.

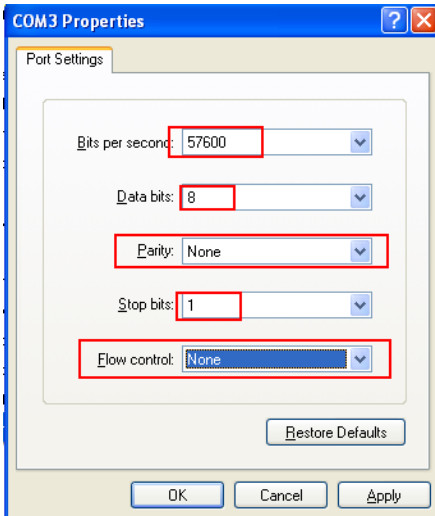
Bits per second: 57600

Data Bits: 8

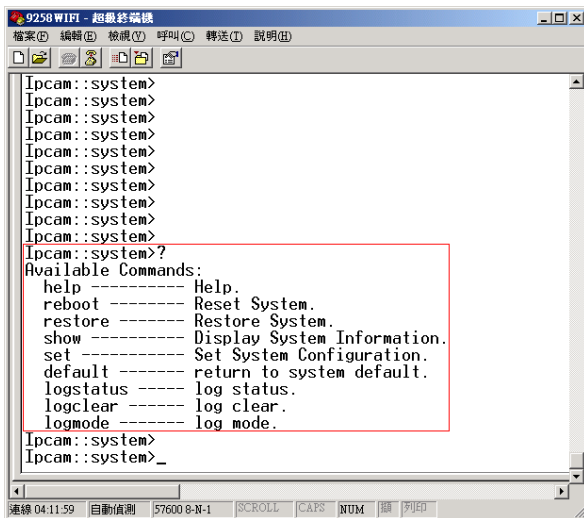
Parity: None

Stop Bits: 1

Flow Control: None



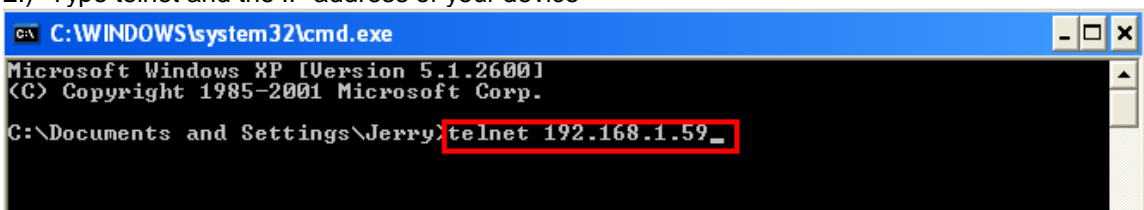
6.) Then the device will be connected via Rs232. Hit “?” to show a list of all the commands.



Telnet

IP Power IPM-401H can be controlled by using Telnet. To use Telnet:

- 1.) Open “Command Prompt” in windows.
- 2.) Type telnet and the IP address of your device



- 3.) Type in the login and password to the IPM-401H then hit enter. The text “**user name correct**” will appear if you have entered the login and password correctly

```
CA Telnet 192.168.1.59
login by input username:password
admin:aviosys
user name correct
```

- 4.) Then type “help” for a list of all the commands. All the commands are explained in telnet please read the syntax carefully.

```
CA Telnet 192.168.1.59
login by input username:password
admin:aviosys
user name correct
help
Available Commands:
 help ----- Help.
 reboot ----- Reset System.
 restore ----- Restore System.
 show ----- Display System Information.
 set ----- Set System Configuration.
 default ----- return to system default.
 logstatus ----- log status.
 logclear ----- log clear.
 logmode ----- log mode.
cfg_net_ui_cmd
lpcam::system>
```

Power Control On/ OFF

```
9258HP::power>
9258HP::power>set
Available Commands:
 status ----- set Power Control setting
 startup ----- set Power Startup
 demo ----- Demo Power Control by Automatic
9258HP::power>set status
Usage: set status [port] [value]
[port] is between 1 and 4 or all or clear
[value] is 0 => OFF or 1 => ON
Example1: set status 4 1 => 4 is ON
Example2: set status all 1000 => 4 is ON, others are OFF
Example3: set status clear => All are OFF
```

9.) Frequently Asked Questions (F.A.Q)

Q1: How do I reset the device back to manufacturer default values?

Ans: In the front panel of the IPM-401H, there is a reset feature that will reset the device back to manufacturer default settings. Take a pen or small pin, then press and hold for about 10-15 seconds. Once you hear a single “beep” sound the device will be reset back to manufacturer default

Q2: How come I cannot connect to my device from an outside network?

Ans: To use the device outside of LAN (Local Area Network. If a router is present you will have to port forward the Local IP Address of the IPM-401H so that it could be reached by the outside world. Please refer to the manual on how to accomplish this task.