User's Guide

TRENDnet®



6-Outlet Managed Rackmount Power Distribution Unit

TPI-06

Thank you for purchasing your new TRENDnet Power Distribution Unit!

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TPI-06 Overview



TPI-06

Package Contents

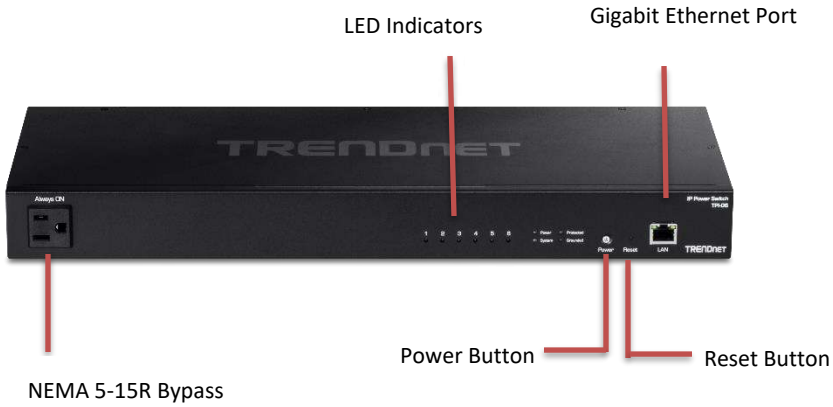
In addition to your switch, the package includes:

- TPI-06
- Quick Installation Guide
- Power Cord (1.8m / 6 ft.)
- Rack mount kit

If any package contents are missing or damaged, please contact the retail store, online retailer, or reseller/distributor from which the product was purchased.

TPI-06 Hardware Features

Front View



- **Reset Button –** Press and hold the button 1~5 seconds and release to reboot the device. Pressing the button more than 6 seconds will reset the switch to factory defaults. The ports LEDs will turn off to indicate that the reset was initiated.
- **Power Button –** Press the power button to power on and off the power outlets (port 1-6). The NEMA 5-15 Bypass outlet will still receive power.
- **Gigabit Ethernet Port –** Gigabit ethernet port used to connect your device to your network
- **LED Indicators** – Used to display information
- **NEMA 5-15R Bypass** – Extra power outlet and is always on

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Back View



Nema 5-15R Outlet Ports (1-6)

Circuit Relay

AC In



Diagnostic LEDs

- **Power LED**

Green	Solid	Power is On
	Blinking	Firmware is upgrading
	Off	Power is off

- **System**

Green	Solid	System is booting
	Solid	System is ready
Red	Solid	Error with an outlet(s)
	Off	Power is off

- **Ground**

Green	Solid	AC outlet is grounded
	Off	AC outlet is not grounded

- **Protected**

Green	Solid	MOV (Metal Oxide Varistor) is active
Red	Solid	MOV is not active
	Off	MOVs have opened removing power from the outlet

- **Outlets (Port 1-6)**

  Link/Activity

Green	Solid	The outlet is on
	Off	The outlet is off

- **LAN LED**

  Link/Activity

Right	Green	Blinking	Link/Act
		Solid	Network is connected
		Off	No connection
Left	Green	Solid	Connection at 1000Mbps
		Off	Connection at 10/100Mbps

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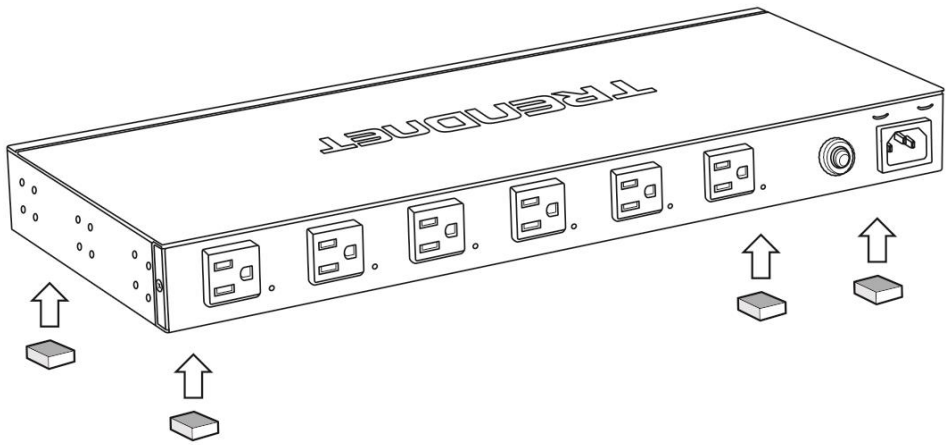
Switch Installation

Desktop Hardware Installation

The site where you install the hub stack may greatly affect its performance. When installing, consider the following pointers:

Note: *Your switch model may be different than the one shown in the example illustrations.*

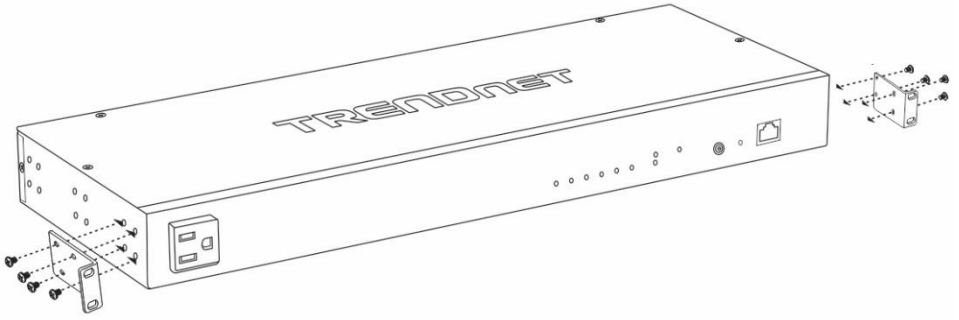
- Install the Switch in a fairly cool and dry place.
- Install the Switch in a site free from strong electromagnetic field generators (such as motors), vibration, dust, and direct exposure to sunlight.
- Leave at least 10cm of space at the front and rear of the hub for ventilation.
- Install the Switch on a sturdy, level surface that can support its weight, or in an EIA standard-size equipment rack. For information on rack installation, see the next section, Rack Mounting.
- When installing the Switch on a level surface, attach the rubber feet to the bottom of each device. The rubber feet cushion the hub and protect the hub case from scratching.



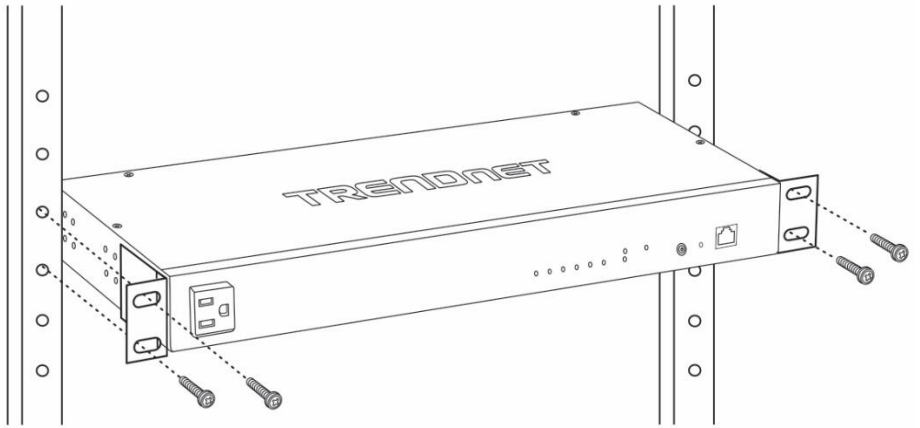
Rack Mount Hardware Installation

The switch can be mounted in an EIA standard-size, 19-inch rack, which can be placed in a wiring closet with other equipment. Attach the mounting brackets at the switch's front panel (one on each side), and secure them with the provided screws.

Note: *The switch model may be different than the one shown in the example illustrations.*



Then, use screws provided with the equipment rack to mount each switch in the rack.



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Setup Wizard

Section A: Configuring the switch with TRENDnet Hive Cloud Management

Note: Configuration with TRENDnet Hive Cloud Management requires an existing network with Internet access and DHCP server for automatic IP addressing. The switch must be configured to reach the Internet in order to connect to your TRENDnet Hive Cloud Management account.

1. Assign a static IP address to your computer's network adapter in the subnet of 192.168.10.x (e.g. 192.168.10.25) and a subnet mask of 255.255.255.0.

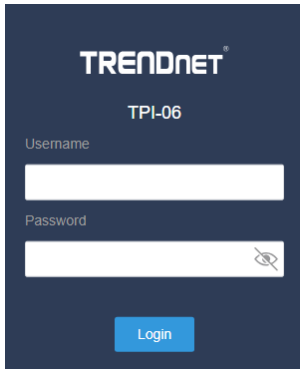
2. Open your web browser, and type the IP address of the switch in the address bar, and then press Enter. The default IP address is 192.168.10.200.

3. Enter the User Name and Password, and then click **Login.** By default:

User Name: **admin**

Password: **admin**

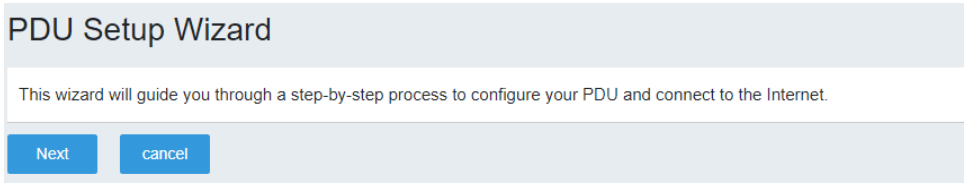
Note: *User name and password are case sensitive.*



4. Select **Next** to move onto the next screen

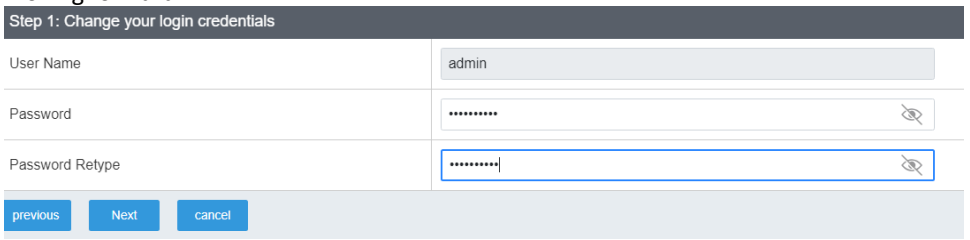
Note*: If the switch setup wizard does not appear, you can click the setup wizard button in the top right section of the switch management page to access the switch setup wizard.*





5. Change your login password and click **Next**. The default password is **admin**.

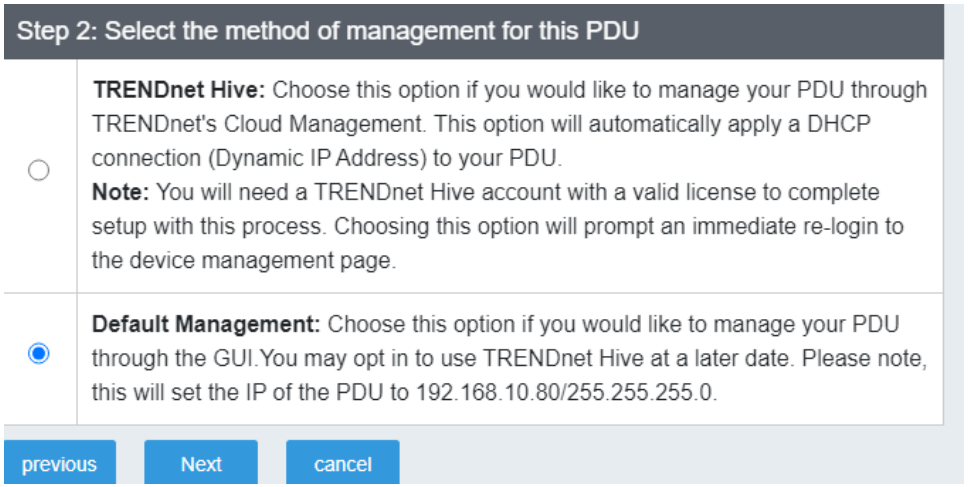
Note: If entering a new password, please note that you will need to use the new password when logging into the switch management page for local management access moving forward.



6. For the method of management, select **TRENDnet Hive.**

Note: Configuration with TRENDnet Hive Cloud Management requires an existing network with Internet access and DHCP server for automatic IP addressing. The switch must be configured to reach the Internet in order to connect to your TRENDnet Hive Cloud Management account.

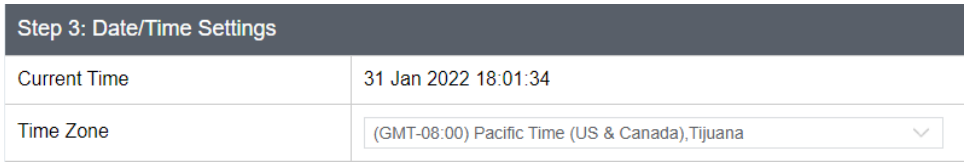
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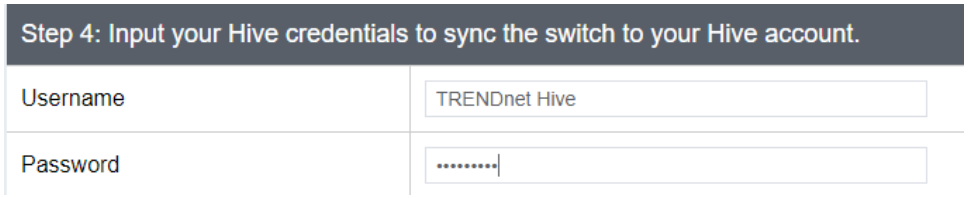
7. After selecting **TRENDnet Hive**, click **Next** and change your computer's network adapter settings to obtain an IP address automatically to continue the rest of the setup wizard.

Note: After selecting the TRENDnet Hive option and clicking Next, the switch will immediately change the switch default IP address settings to DHCP and obtain IP address settings from your existing network.

8. Select your **Time Zone**, then click **Next.**

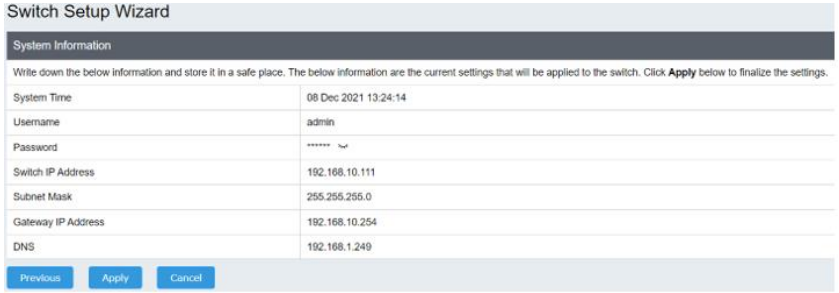


9. Enter the user account credentials for your TRENDnet Hive Cloud Management account to register the switch with your account, then click **Next.**



10. The summary page will display all of the configuration settings that were applied through the setup wizard. Click **Apply** to complete the setup wizard.

Note: You may want to note the new password and IP address settings for local management access to the switch.



10. To verify the switch is now successfully registered with your TRENDnet Hive Cloud Management account, the Hive button in the top right will be green to indicate successful registration.



Section B: Configuring the PDU for local network management

1. Assign a static IP address to your computer's network adapter in the subnet of 192.168.10.x (e.g. 192.168.10.25) and a subnet mask of 255.255.255.0.

2. Open your web browser, and type the IP address of the switch in the address bar, and then press Enter. The default IP address is 192.168.10.200.

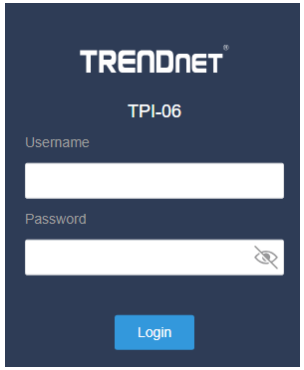
3. Enter the User Name and Password, and then click **Login.** By default:

User Name: **admin**

Password: **admin**

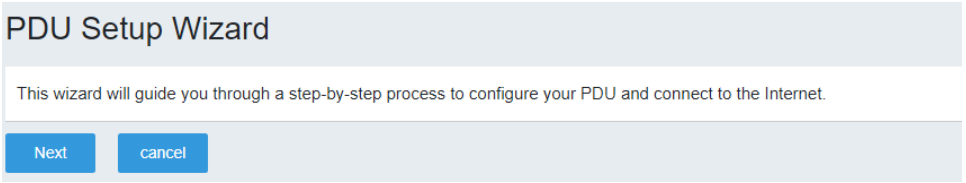
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Note: *User name and password are case sensitive.*

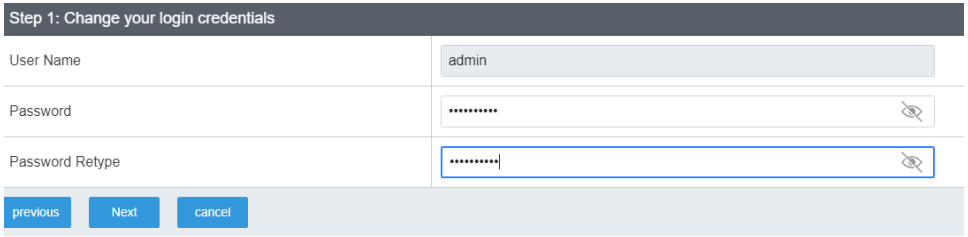


4. Select **Next** to move onto the next screen
Note*: If the switch setup wizard does not appear, you can click the setup wizard button in the top right section of the switch management page to access the switch setup wizard.*

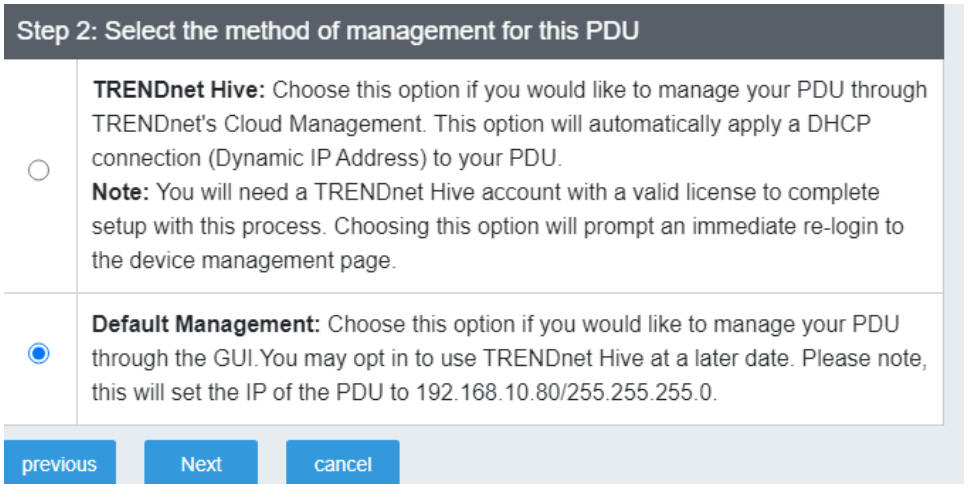




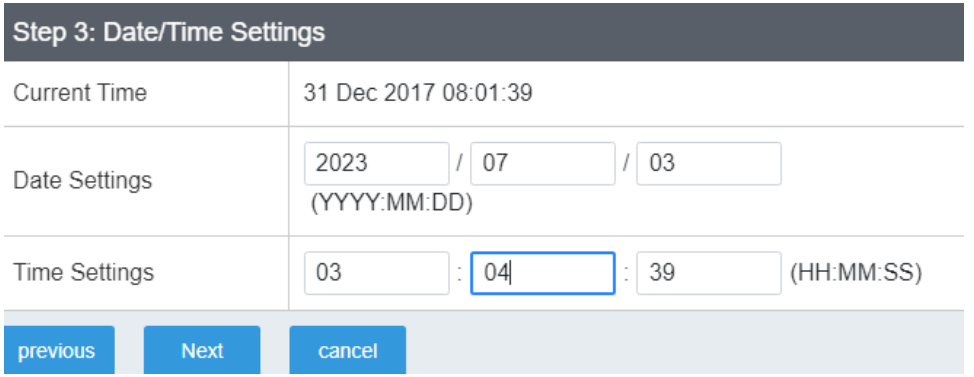
5. Change your login password and click **Next**. The default password is **admin**.
Note: If entering a new password, please note that you will need to use the new password when logging into the switch management page for local management access moving forward.



6. For the method of management, select Default Management.



7. Configure the PDU date and time settings, then click Next.

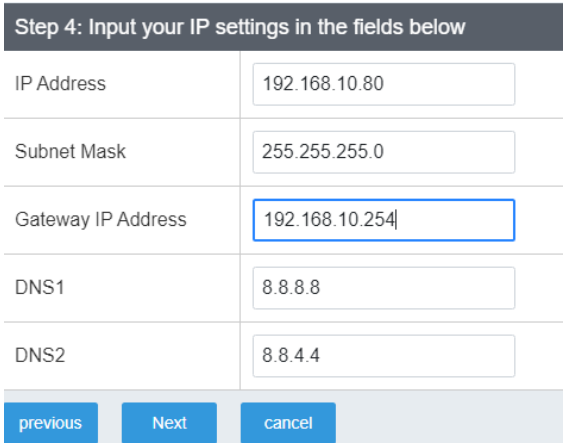


8. Configure the PDU IP address, subnet mask, gateway IP address, and DNS settings to match the requirements of your existing network using the fields provided, then click Next.

Note: If the PDU IP address settings are changed to a different IP network subnet such as 192.168.1.x, 192.168.2.x, etc. your computer's network adapter settings will need to

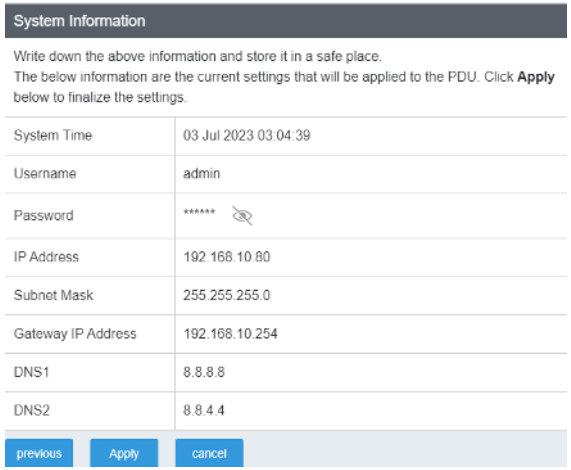
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be changed match the new IP address settings configured on the switch in order to access the PDU management page.

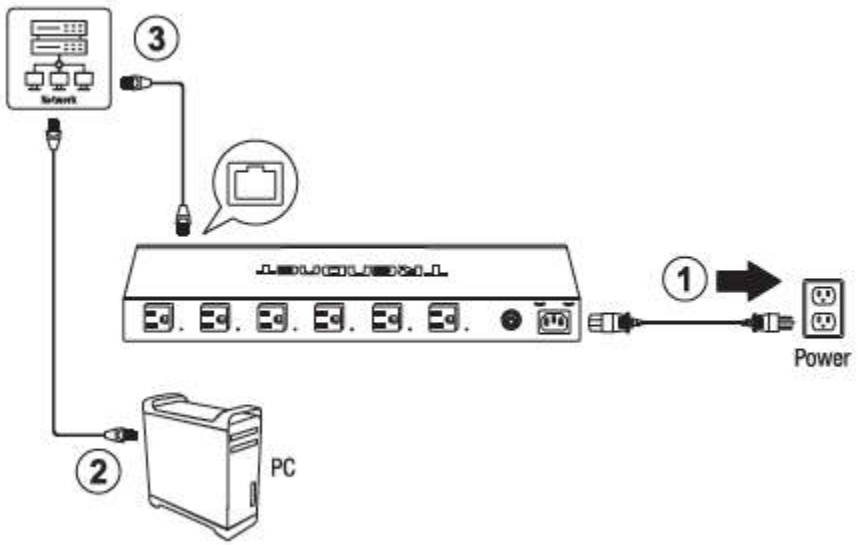


9. The summary page will display all of the configuration settings that were applied through the setup wizard. Click Apply to complete the setup wizard.

Note: You may want to note the new password and IP address settings for local management access to switch.

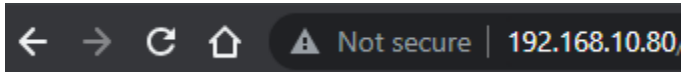


Basic IP Configuration



3. Assign a static IP address to your computer's network adapter in the subnet of 192.168.10.x (e.g. 192.168.10.25) and a subnet mask of 255.255.255.0.

4. Open your web browser, and type the IP address of the switch in the address bar, and then press **Enter**. The default IP address is **192.168.10.80**.



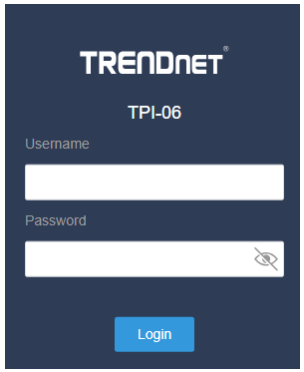
5. Enter the User Name and Password, and then click **Login.** By default:

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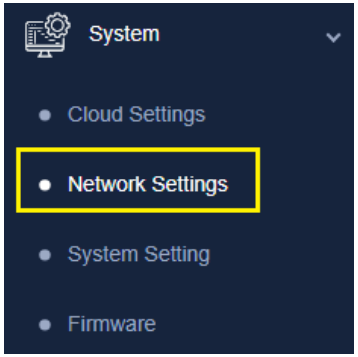
User Name: **admin**

Password: **admin**

Note: *User name and password are case sensitive.*

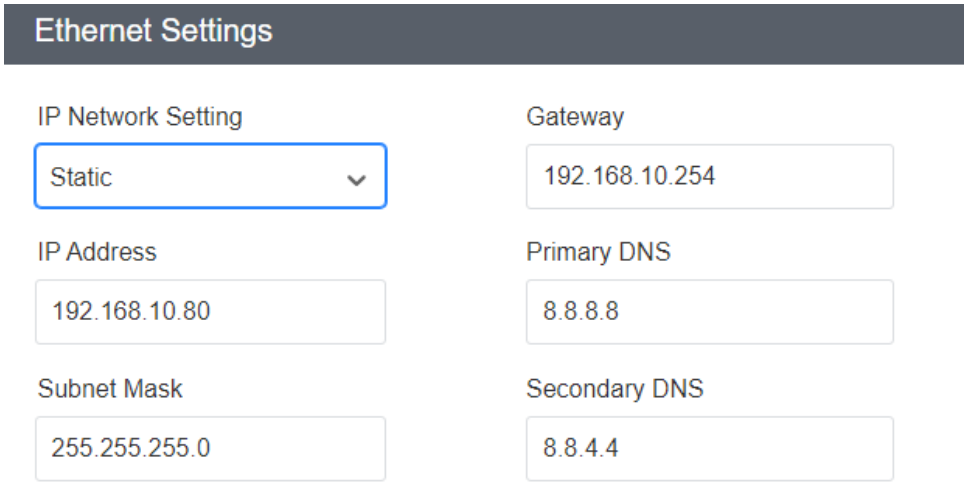


6. Click **System,** and then click **Network Settings**.



.

7. Configure the PDU IP address settings to be within your network subnet, then click **Apply** under the **Ethernet Settings.**



9. After clicking **Apply** you will need to log in using the new updated IP Address.

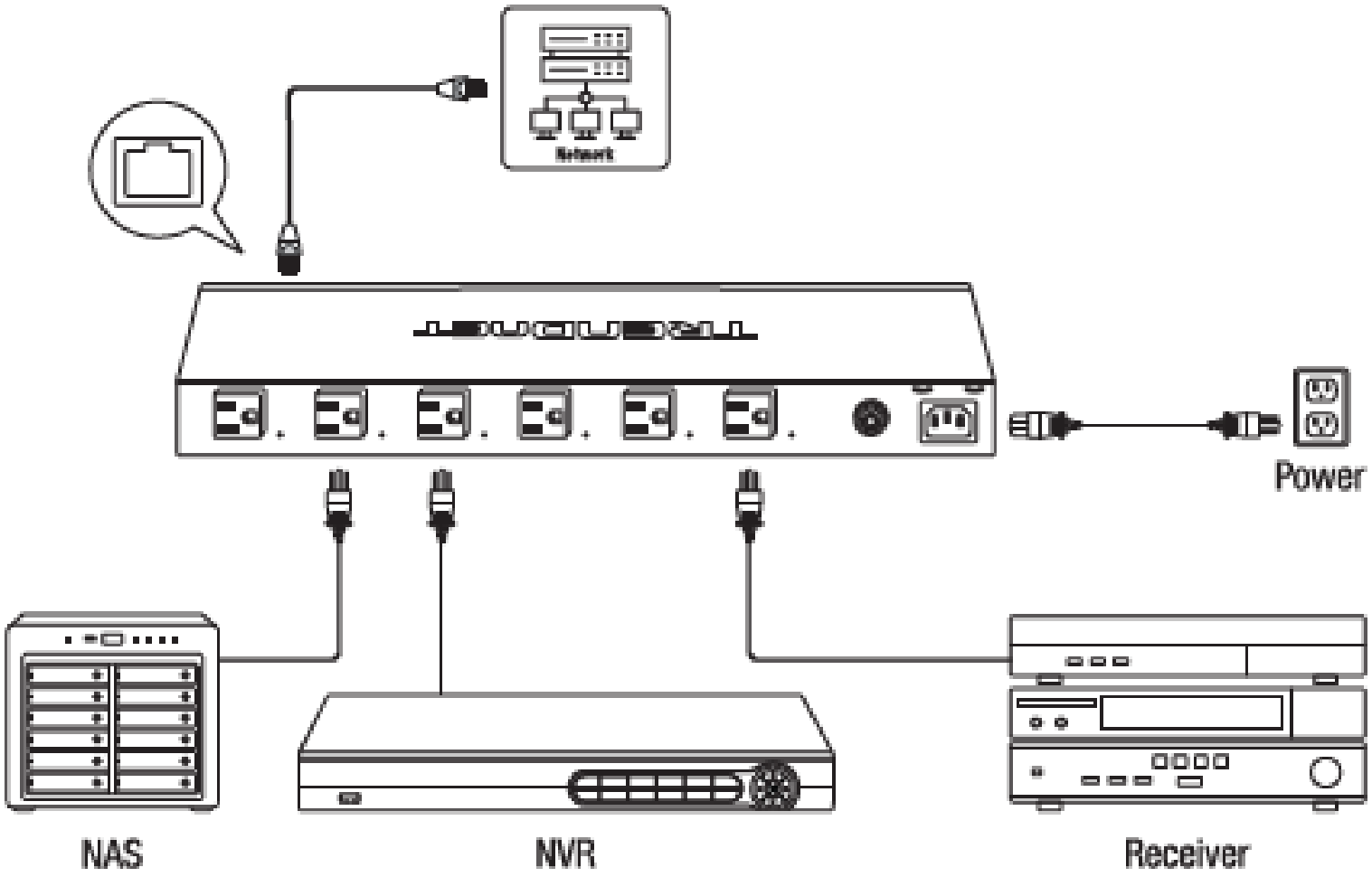
Be sure to re-log back into the switch using the new IP address and save the configuration to your flash.

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Connect additional devices to your switch

You can connect computers or other electronic devices to your PDU to power them on. The PDU can be connected to your network with an ethernet cable to manage the PDU. Check the status of the LED indicators on the front panel of your PDU to ensure the physical cable connection from your computer or device.

Note: *If you encounter issues connecting to your network, there may be a problem with your computer or device network settings. Please ensure that your computer or device network settings (also called TCP/IP settings) are configured properly within the network subnet your switch is connected.*

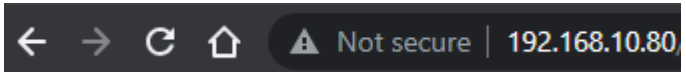


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Access your switch management page

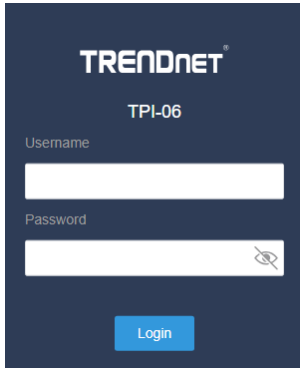
Note: *Your PDU default management IP address http://192.168.10.80 is accessed through the use of your Internet web browser (e.g. Internet Explorer®, Firefox®, Chrome™, Safari®, Opera™) and will be referenced frequently in this User's Guide. Throughout this user's guide, the term Web Configuration will be used to reference access from web management page.*

1. Open your web browser and go to its IP address (default: http://192.168.10.80). Your PDU will prompt you for a user name and password.



2. Enter the user name and password. By default:

   User Name: **admin**
   Password: **admin**
   Note: *User Name and Password are case sensitive.*



Dashboard

View your PDU status information

Dashboard

You may want to check the general system information of your switch such as firmware version, boot loader information and system uptime. Other information includes H/W version, RAM/Flash size, administration information, IPv4 and IPv6 information.

1. Log into your switch management page (see "Access your switch management page" on page 5).
2. Click on **Dashboard**.

Switch Information

- **System Uptime** – The duration your PDU has been running continuously without a restart/power cycle (hard or soft reboot) or reset.
- **Firmware Version:** The current software or firmware version your switch is running.

Switch Information	
System Uptime:	0 day(s),02 hr(s),05 min(s),01 sec(s)
Firmware Version:	1.1.0.13

System Status

- **Voltage / Current:** Displays the current voltage and current being used
- **Frequency:** Displays the current frequency used
- **Temperature:** Displays the current internal temperature of the unit

System Status	
Voltage / Current:	115.4 Volt / 0.0 A
Frequency:	59.9
Temperature:	96.8 °F

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Administration Information

- **System Name** – Displays the identifying system name of your PDU. This information can be modified under the **System** section.
- **System Location** - Displays the identifying system location of your PDU. This information can be modified under the **System** section.
- **System Contact –** Displays the identifying system contact or system administrator of your PDU. This information can be modified under the **System** section.

Administration Information	
System Name :	TPI-06
System Location:	MyLocation
System Contact:	MyContact

System MAC Address, IPv4 Information

- **Serial Number:** Displays the serial number of the PDU
- **MAC Address:** Displays the switch system MAC address.
- **IP Address** – Displays the current IPv4 address assigned to your PDU.
- **Subnet Mask** – Displays the current IPv4 subnet mask assigned to your PDU.
- **Default Gateway** – Displays the current gateway address assigned to your PDU.

System Information	
Serial Number:	EP3D0A1000001
MAC Address:	3C:8C:F8:FD:74:8C
IP Address:	192.168.10.80
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.10.1

IPv6 Information

- **IPv6 Unicast Address / Prefix Length:** Displays the current IPv6 address and prefix assigned to your PDU.
- **IPv6 Default Gateway:** Displays the current IPv6 default gateway address assigned to your PDU.
- **Link Local Address / Prefix Length:** Displays the current Link Local address and prefix length assigned to your PDU

IPv6 Information	
IPv6 Unicast Address / Prefix Length :	2001:db80::80/64
IPv6 Default Gateway:	2001:db80::1
Link Local Address / Prefix Length:	fe80::3e8c:f8ff:fefd:748c/64

Automatic Network Features

- **IPv4 DHCP Client Mode:** Displays if your PDU IPv4 address setting is set to DHCP client.
- **IPv6 DHCP Client Mode:** Displays if your PDU IPv6 address setting is set to DHCP client.

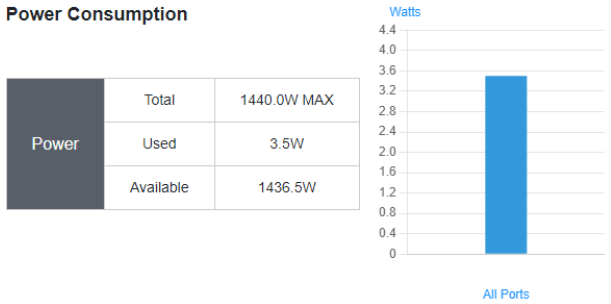
Automatic Network Features	
IPv4 DHCP Client Mode:	Disabled
IPv6 DHCP Client Mode:	Disabled

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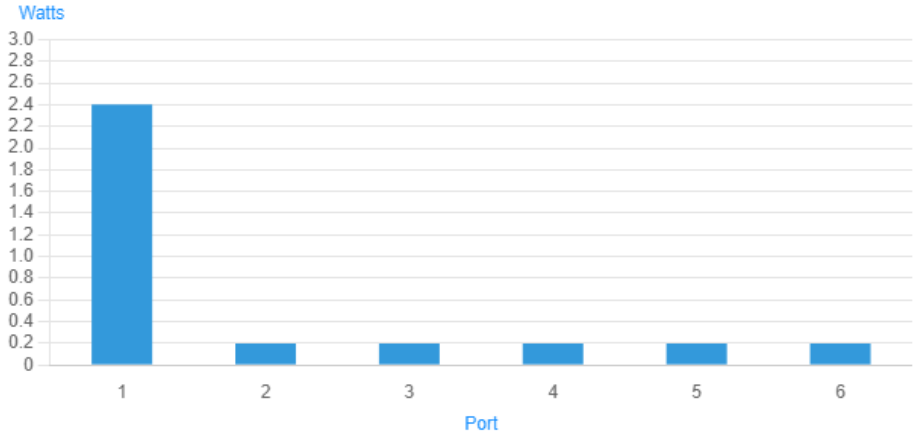
Power Consumption Graphs

- **Total:** Displays the max number of watts available for use
- **Used:** Displays the number of watts currently already being used
- **Available:** Displays the amount of wattage left available for power

Below graph shows the max number of wattage currently being used



Below graph shows the max number of wattage being consumed by each port



Switch View

View your switch status information

Dashboard > Switch View

1. Log into your switch management page (see "Access your switch management page" on page 5).

2. Click on **Dashboard**, then click on **Switch View.** The switch view shows the ports that are connected.



3. Review the settings below.

- **Outlet:** Designates the port number that is displayed.
- **Outlet Name:** Displays the current name of the outlet
- **Outlet On/Off:** Enable and disable PoE power on the specified port with the toggle switch
- **Outlet Status:** Displays if the outlet is on or off
- **Power Consumption:** Displays the current power consumption of the PD device in Watts.
- **Voltage:** Displays the current voltage output for the outlet
- **Current:** Displays the current output for the outlet
- **Reboot:** Reboot the selected power outlet
- **Power Cycle:** Reboot all of the outlets



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Outlet

Settings

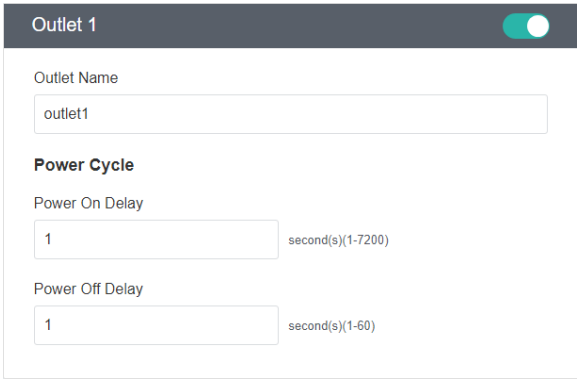
Set your outlet information

Outlet > Settings

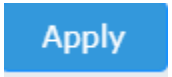
This section explains how to assign a name. This information helps in identifying each specific outlet among other outlets in the same local area network. Entering this information is optional.

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **Outlet**, and click on **Settings**.
3. Review the settings. When you have completed making changes, click **Apply** to save the settings.

- **Outlet Name** - Specifies the name defined for each specific outlet
- **Power On Delay/Power Off Delay**: set the delay time for powering on and powering off the device connected to this outlet .



4. Click **Apply**.

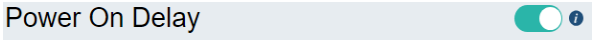


Power On Delay

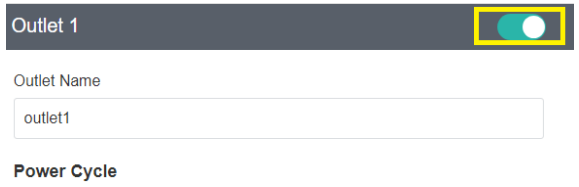
Set your outlet information

Outlet > Settings

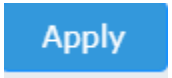
1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **Outlet**, and click on **Settings**.
3. Enable **Power On Delay** for the PDU to follow the rules set under **Settings**.



4. Select the specified port to enable the **Power On Delay** port.



5. Click **Apply**.



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Safe Range Settings

Set your outlets to perform in a safe range

Outlet > Settings

1. Log into your PDU management page (see "Access your switch management page" on page 5).

. Click on **Outlet**, and click on **Settings**.

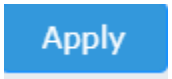
3. Enable **Range** to enable this feature



4. Set the safe Voltage range for your device in your region. By default, the range is set between 95 – 130V.



5. Click **Apply**.



Scheduling

Pre-defined schedule

Outlet > Schedule

Scheduling enables the settings of when the connected devices could be powered on or off. Schedules could be set by day and time.

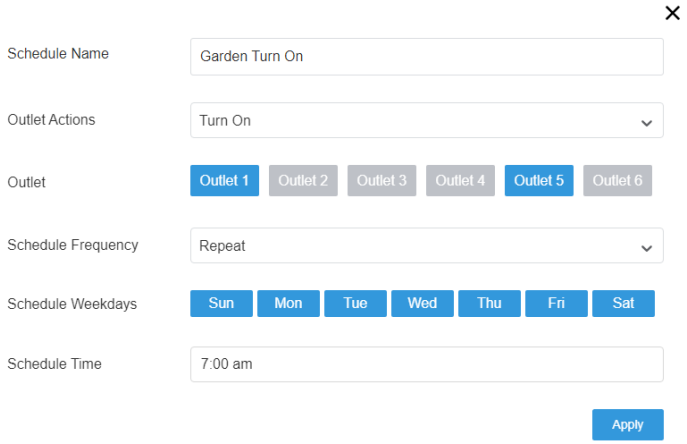
1. Log into your PDU management page (see "Access your switch management page" on page 5).

2. Click on **Outlet**, and click on **Schedule**.

3. Edit from the pre-defined schedule by clicking the **Edit** button



4. Review the settings and click **Apply** to save the settings



- **Schedule Name**: Input a name for this schedule
- **Outlet Actions**: Select **Turn On, Turn Off,** or **Reset** for the type of action the selected outlets will take
- **Outlet**: Select the outlets that this schedule will apply to
- **Schedule Frequency**: Select **Repeat** for the schedule to happen week after week, or **Once** for the schedule to only happen one time
- **Schedule Weekday:** Select the days this schedule will apply to
  Note: This selection will appear when **Repeat** is set for the **Frequency.**
- **Schedule Date:** Set the date when this rule will apply
  Note: This selection will appear when **Once** is set for the **Frequency.**
- **Schedule Time:** Select the time when the schedule will apply to

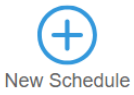
5. Toggle the switch to the right to enable the schedule



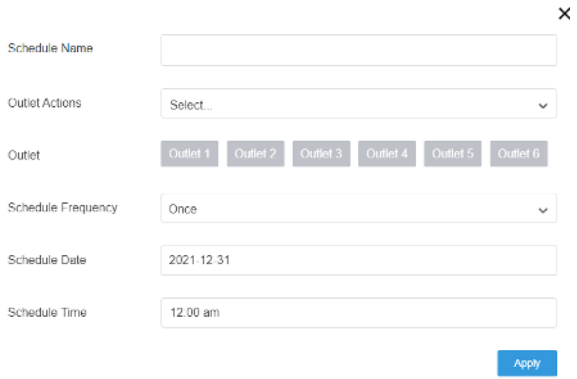
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Set a new schedule

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **Outlet**, and click on **Schedule**.
3. Select **New Schedule** to create a new schedule



4. Review the settings and click **Apply** to save the settings



- **Schedule Name**: Input a name for this schedule
- **Outlet Actions**: Select **Turn On, Turn Off,** or **Reset** for the type of action the selected outlets will take
- **Outlet**: Select the outlets that this schedule will apply to
- **Schedule Frequency**: Select **Repeat** for the schedule to happen week after week, or **Once** for the schedule to only happen one time
- **Schedule Weekday:** Select the days this schedule will apply to
  Note: This selection will appear when **Repeat** is set for the **Frequency.**
- **Schedule Date:** Set the date when this rule will apply
  Note: This selection will appear when **Once** is set for the **Frequency.**
- **Schedule Time:** Select the time when the schedule will apply to

5. Toggle the PDU to the right to enable the schedule



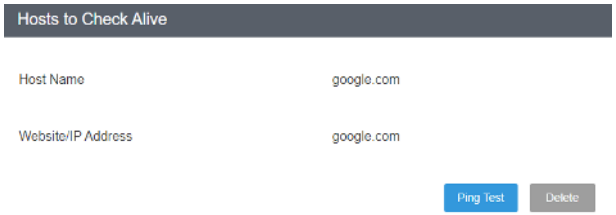
Auto Reboot

Ping Test

Outlet > Auto Reboot

Auto Reboot is used to check the connection between the PDU and the device connected to it. The PDU send a ping, and if the device does not respond, the PDU will try to revive the device by doing a power cycle of the connected device.

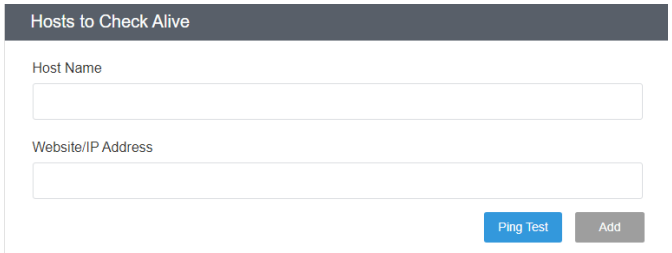
1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **Outlet**, and click on **Auto Reboot**.
3. Click **Ping Test** to run a ping test to the pre-selected address. Click **Delete** to remove this selection.



Set a new IP to ping

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **Outlet**, and click on **Auto Reboot**.
3. Input the **Host Name** and the **Website/IP Address** for the PDU to ping.

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4. Click **Ping Test** to run a test to see if the connection is active.
5. Click **Add** to save this to one of the destinations for a ping test.

Timeout Settings

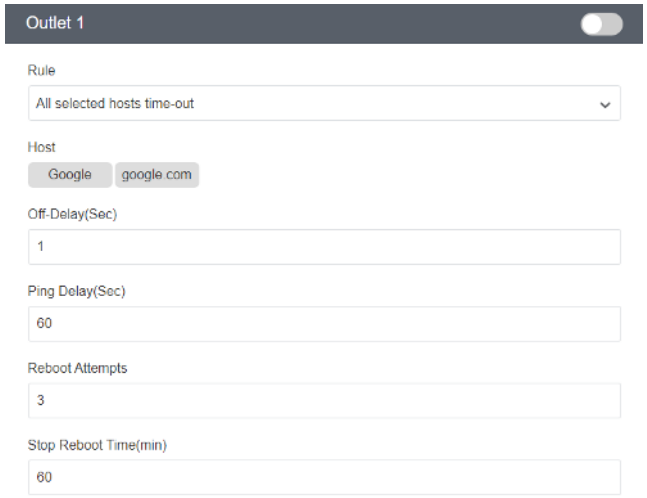
1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **Outlet**, and click on **Auto Reboot**.
3. Review the settings and click **Save** to save your settings.



- **Ping interval**: Set the interval (in seconds) between each ping
- **Number of Ping** loss to time out: Set the number of miss pings before it times out

Auto Outlet Reboot

1. Log into your PDU management page (see "Access your PDU management page" on page 5).
2. Click on **Outlet**, and click on **Auto Reboot**.
3. Review the settings and click **Save** to save the settings.



- **Rule:** Select the rule to apply for the selected outlet
  - **All selected hosts time-out:** The rule only applies when all the selected hosts have timed out after a ping test
  - **Any selected hosts time-out**: The rule only applies when any of the selected hosts have timed out after a ping test
- **Host**: Displays a list of available hosts to ping.
- **Off-Delay (Sec):** Input the duration that the PDU will wait before turning off the power to the outlet
- **Ping Delay (Sec):** Set the time interval between each ping
- **Reboot Attempts:** Set the max number of reboots before the PDU stops rebooting
- **Stop Reboot Time (min):** Input the time it takes for the connected device to boot up

4. Toggle the PDU to the right to enable **Auto Reboot** for the selected outlet



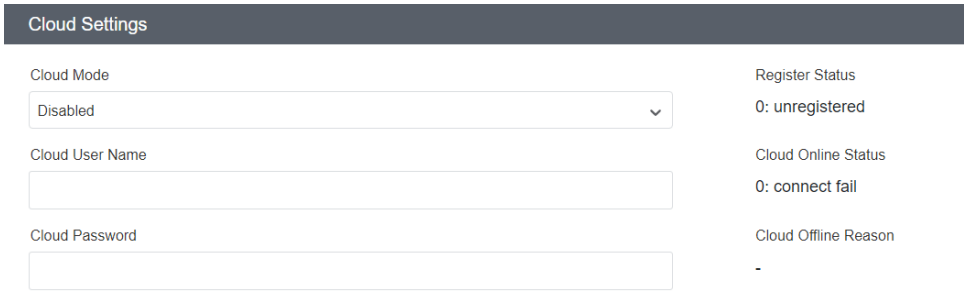
Cloud Settings

System > Cloud Settings

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This section allows you to setup your device for TRENDnet's Cloud Management (Hive). With TRENDnet Hive, you will be able to manage and monitor your device through the TRENDnet Cloud portal remotely.

1. Log into your switch management page (see "Access your switch management page" on page 5).
2. Click on **System,** and then **Cloud Settings.**
3. Review the settings. When you have completed making changes, click **Apply** to save the settings.



- **Cloud Mode:** Select **Enabled** to connect the device to TRENDnet Hive, and **Disabled** to disable connection.
- **Register Status:** Displays the current connection status between the device and TRENDnet Hive
- **Cloud User Name:** Enter your TRENDnet Hive account username
- **Cloud Password:** Enter your TRENDnet Hive account password

Note: Connecting your device to the cloud will lock all configurations to be managed by the cloud. To configure your device locally, please **Disable** your connection to the cloud.

Network Settings

IPv4 Interface

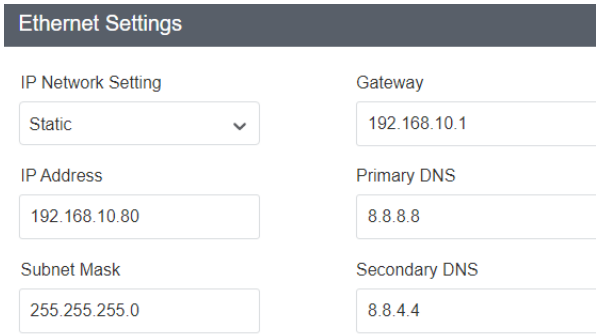
System > Network Settings

This section allows you to change your PDU IPv4 address settings. Typically, the IP address settings should be changed to match your existing network subnet in order to access the PDU management page on your network.

Default PDU IPv4 Address: 192.168.10.80

Default PDU IPv4 Subnet Mask: 255.255.255.0

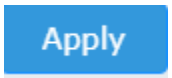
1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **System**, and then **Network Settings**.
4. To change the IPv4 IP address, input the new IPv4 address**.**



5. Review the settings. When you have completed making changes, click **Apply** to save the settings.

- **IP Network Setting**: Set the PDU with Static IP or DHCP mode
- **IP Address**: Enter the new PDU IP address you would like to statically assign. (e.g. *192.168.200.200*)
- **Subnet Mask**: Enter the new PDU subnet mask. (e.g. *255.255.255.0*)
- **Gateway:** Enter the IP address of the gateway connected to this PDU
- **Primary DNS / Secondary DNS:** Enter the DNS IP address for both the primary and secondary DNS

6. Click **Apply**.



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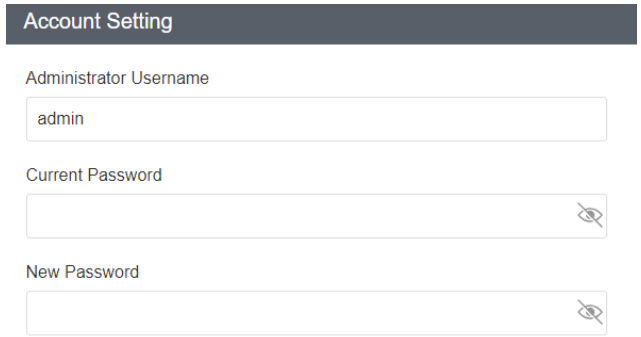
Device Setting

System > System Setting

This section allows you modify the device settings such as password, device name, device location etc.

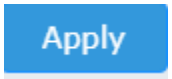
Account Setting

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **System**, and then **System Settings**.
3. Review the settings.



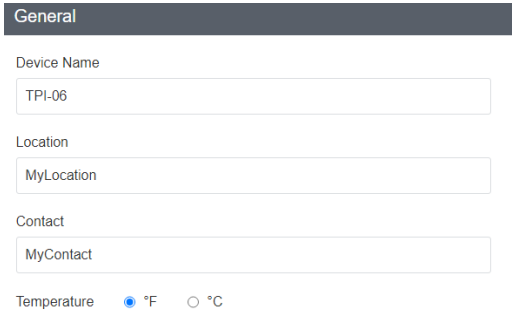
- **Administrator Username**: Enter the new username
- **Current Password**: Enter the current password
- **New Password**: Enter the new password to change the current password.

4. Click **Apply**.



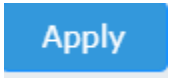
General Setting

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **System**, and then **System Settings**.
3. Review the settings below:



- **Device Name:** Enter the name of your PDU
- **Location:** Enter the location of where the PDU will be placed
- **Contact:** Enter the contact person's name
- **Temperature**: Select if the temperature should be displayed in Fahrenheit or Celsius.

4. Click **Apply**.



Time Zone

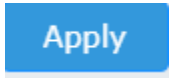
This section allows you to set the time zone your device is located in to sink with the time.

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **System**, and then **System Settings**.
3. Select from the drop down menu to select your current time zone.

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4. Click **Apply**.



Firmware Upgrade

Firmware Update

System > Firmware

TRENDnet may periodically release firmware upgrades that may add features or fix problems associated with your TRENDnet PDU model and version. To check if there is a firmware upgrade available for your device, please check your TRENDnet model and version using the link. http://www.trendnet.com/downloads/

In addition, it is also important to verify if the latest firmware version is newer than the one your PDUis currently running. To identify the firmware that is currently loaded on your switch, log in to the switch, click on the System Info section or click on Tools and click on Firmware Upgrade. The firmware used by the switch is listed as Runtime Image or Image Version. If there is a newer version available, also review the release notes to check if there were any new features you may want or if any problems were fixed that you may have been experiencing.

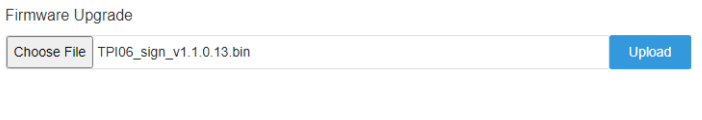
1. If a firmware upgrade is available, download the firmware to your computer.
2. Unzip the file to a folder on your computer.

Please note the following:

- Do not interrupt the firmware upgrade process. Do not turn off the device or press the Reset button during the upgrade.
- If you are upgrade the firmware using a laptop computer, ensure that the laptop is connected to a power source or ensure that the battery is fully charged.
- Disable sleep mode on your computer as this may interrupt the firmware upgrade process.
- Do not upgrade the firmware using a wireless connection, only using a wired network connection.
- Any interruptions during the firmware upgrade process may permanently damage your switch.

Firmware Upgrade via HTTP Settings

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **System**, and then **Firmware**.
3. Click on **Choose File** and select the correct firmware. Click **Upload** to upload PDU to the latest firmware.
   Note: Firmware files will have a file extension of .bin



4. Click **Ok** when prompted to start the firmware update process.

Config Backup Restore

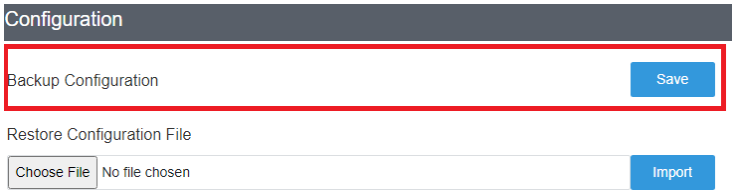
Config Backup/Restore

System > Firmware

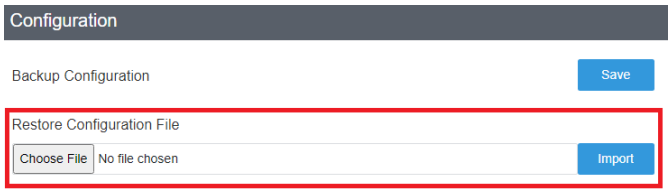
You may have added many customized settings to your PDU and in the case that you need to reset your PDU to default, all your customized settings would be lost and would require you to manually reconfigure all of your PDU settings instead of simply restoring from a backed up switch configuration file. The configuration will be backed up or restored only to the currently used image.

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **System**, and then **Firmware**.
3. To backup your configuration settings, click **Save** under **Backup Configuration**.

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4. To upload a previously saved configuration file, click the **Choose File** to select the correct file to upload.



5. Click **Import** to upload the selected configuration file.

Reboot / Reset

System > Firmware

This section provides the procedures for rebooting or resetting the PDU to factory default settings.

To reboot your PDU:

You may want to reboot your PDU if you are encountering difficulties with your switch and have attempted all other troubleshooting.

Note: *You may want to save the settings to flash before reboot the PDU If you have not saved your current configuration settings to flash first, the configuration changes will be lost after a reboot.*

There are two methods that can be used to reboot your switch.

- **Hardware Method:** Using a paper clip, on the front panel of the switch, push and hold the **Reset** button between 1~4 seconds and release.
- **Software Method (Switch Management Page):**

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **System**, and then **Firmware**.
3. Click on **Reboot** to reboot your PDU.



To reset your PDU to factory defaults:

You may want to reset your PDU to factory defaults if you are encountering difficulties with your PDU and have attempted all other troubleshooting. Before you reset your PDU to defaults, if possible, you should backup your PDU configuration first, see "Backup/Restore".

There are two methods that can be used to reset your PDU to factory defaults.

- **Hardware Method:** Using a paper clip, on the front panel of the PDU, push and hold the **Reset** button more than 7 seconds and release. Located on the front panel of your PDU, see "Product Hardware Features" on page 2. Use this method if you are encountering difficulties with accessing your PDU management page.
- **Software Method (Switch Management Page):**

1. Log into your PDU management page (see "Access your switch management page" on page 5).
2. Click on **System**, and then **Firmware**.
3. Click **Reset** to reset your PDU back to factory default settings.



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Technical Specifications

Device Interface

- 6 x NEMA 5-15R (15A max. @ 120V AC)
- 1 x NEMA 5-15R-Bypass (15A max. @ 120V AC)
- 1 x Gigabit port
- LED indicators

Power Output

- 100 – 120V , 50/60Hz
- Max. 15A per outlet

Power Input

- 100 – 120V, 50/60Hz, internal power supply
- Max. consumption: 6.87W (no PD load)

Special Features

- Fanless
- Rack mountable
- Detachable power cord

Operating Temperature

- 0° - 40° C (23° - 104° F)

Operating Humidity

- Max. 90% non-condensing

Dimensions

- 440 x 170 x 44mm (17.32 x 6.69 x 1.73 in.)

Weight

- 2.389kg (5.27 lbs.)

Certifications

- FCC
- UL

Warranty

- 3-Year Limited

Package Contents

- TPI-06
- Quick Installation Guide
- Power cord (1.8m / 6 ft.)
- Rack mount kit

*Disclaimer: Max rated total output current is 15A. This device is meant to add additional outlets. It does not change the amount of power being received from the main outlet.

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Quick Installation Guide Troubleshooting

Q: I typed http://192.168.10.200 in my Internet Browser Address Bar, but an error message says "The page cannot be displayed." How can I access the switch management page?
Answer:
1. Check your hardware settings again. See "Switch Installation" on page 8.
2. Make sure the Power and port Link/Activity and WLAN lights are lit.
3. Make sure your network adapter TCP/IP settings are set to *Use the following IP address* or *Static IP* (see the steps below).
4. Make sure your computer is connected to one of the Ethernet switch ports.
5. Since the switch default IP address is 192.168.10.200, make sure there are no other network devices assigned an IP address of 192.168.10.200

Windows 7/8.1/10/11

a. Go into the **Control Panel**, click **Network and Sharing Center**.

b. Click **Change Adapter Settings**, right-click the **Local Area Connection** icon.

c. Then click **Properties** and click **Internet Protocol Version 4 (TCP/IPv4)**.

d. Then click **Use the following IP address,** and make sure to assign your network adapter an IP address in the subnet of 192.168.10.x. Click **OK**

Note: *If you are experiencing difficulties, please contact your computer or operating system manufacturer for assistance.*

Q: If my switch IP address is different than my network's subnet, what should I do?
Answer:
You should still configure the switch first. After all the settings are applied, go to the switch configuration page, click on System, click IPv4 Setup and change the IP address of the switch to be within your network's IP subnet. Click Apply, then click OK. Then click Save Settings to Flash (menu) and click Save Settings to Flash to save the IP settings to the NV-RAM.

Q: I changed the IP address of the switch, but I forgot it. How do I reset my switch?
Answer:
Using a paper clip, push and hold the reset button on the rear of the switch and release after 6~10 seconds.

The default IP address of the switch is 192.168.10.200. The default user name and password is "admin".

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Appendix

How to find your IP address?

Note: *Please note that although the following procedures provided to follow for your operating system on configuring your network settings can be used as general guidelines, however, it is strongly recommended that you consult your computer or operating system manufacturer directly for assistance on the proper procedure for configuring network settings.*

Command Prompt Method

Windows 7/8.1/10

1. On your keyboard, press **Windows Logo+R** keys simultaneously to bring up the Run dialog box.
2. In the dialog box, type ***cmd*** to bring up the command prompt.
3. In the command prompt, type ***ipconfig /all*** to display your IP address settings.

MAC OS X

1. Navigate to your **Applications** folder and open **Utilities**.
2. Double-click on **Terminal** to launch the command prompt.
3. In the command prompt, type ***ipconfig getifaddr <en0 or en1>*** to display the wired or wireless IP address settings.

Note: en0 *is typically the wired Ethernet and* ***en1*** *is typically the wireless Airport interface.*

Graphical Method

MAC OS 10.6/10.5

1. From the Apple menu, select **System Preferences**.
2. In System Preferences, from the **View** menu, select **Network**.
3. In the Network preference window, click a network port (e.g., Ethernet, AirPort, modem). If you are connected, you'll see your IP address settings under "Status:"

MAC OS 10.4

1. From the Apple menu, select **Location**, and then **Network Preferences**.
2. In the Network Preference window, next to "Show:", select **Network Status**. You'll see your network status and your IP address settings displayed.

Note: *If you are experiencing difficulties, please contact your computer or operating system manufacturer for assistance.*

How to configure your network settings to use a static IP address?

Note: *Please note that although the following procedures provided to follow for your operating system on configuring your network settings can be used as general guidelines, however, it is strongly recommended that you consult your computer or operating system manufacturer directly for assistance on the proper procedure for configuring network settings.*

Windows 7/8.1/10

a. Go into the **Control Panel**, click **Network and Sharing Center**.

b. Click **Change Adapter Settings**, right-click the **Local Area Connection** icon.

c. Then click **Properties** and click **Internet Protocol Version 4 (TCP/IPv4)**.

d. Then click **Use the following IP address,** and assign your network adapter a static IP address. Click **OK**

MAC OS 10.4/10.5/10.6

a. From the **Apple**, drop-down list, select **System Preferences**.
b. Click the **Network** icon.
c. From the **Location** drop-down list, select **Automatic**.
d. Select and view your Ethernet connection.
   In MAC OS 10.4, from the **Show** drop-down list, select **Built-in Ethernet** and select the **TCP/IP** tab.
   In MAC OS 10.5/10.6, in the left column, select **Ethernet**.
e. Configure TCP/IP to use a static IP.
   In MAC 10.4, from the **Configure IPv4**, drop-down list, select **Manually** and assign your network adapter a static IP address. Then click the **Apply Now** button.
   In MAC 10.5/10.6, from the **Configure** drop-down list, select **Manually** and assign your network adapter a static IP address . Then click the **Apply** button.
f. Restart your computer.

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Note: *If you are experiencing difficulties, please contact your computer or operating system manufacturer for assistance.*

How to find your MAC address?

In Windows 2000/XP/Vista/7/8.1/10,

Your computer MAC addresses are also displayed in this window, however, you can type ***getmac –v*** to display the MAC addresses only.

In MAC OS 10.4,

1. **Apple Menu > System Preferences > Network**
2. From the **Show** menu, select **Built-in Ethernet**.
3. On the **Ethernet** tab, the **Ethernet ID** is your MAC Address.

In MAC OS 10.5/10.6,

1. **Apple Menu > System Preferences > Network**
2. Select **Ethernet** from the list on the left.
3. Click the **Advanced** button.
3. On the **Ethernet** tab, the **Ethernet ID** is your MAC Address.

How do I use the ping tool to check for network device connectivity?

Windows 7/8.1/10

1. On your keyboard, press **Windows Logo+R** keys simultaneously to bring up the Run dialog box.
2. In the dialog box, type ***cmd*** to bring up the command prompt.
3. In the command prompt, type ***ping <ip_address>*** with the *<ip_address>* being the IP address you want ping and check for connectivity.

Example: Usage of ping command and successful replies from device.

C:\Users>ping 192.168.10.100

Pinging 192.168.10.100 with 32 bytes of data:

Reply from 192.168.10.100: bytes=32 time<1ms TTL=64

Reply from 192.168.10.100: bytes=32 time<1ms TTL=64

Reply from 192.168.10.100: bytes=32 time<1ms TTL=64

Reply from 192.168.10.100: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.10.100:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

MAC OS X

1. Navigate to your **Applications** folder and open **Utilities**.
2. Double-click on **Terminal** to launch the command prompt.
3. In the command prompt, type ***ping –c <#> <ip_address>*** with the *<#> ping being the number of time you want to ping and* the *<ip_address>* being the IP address you want ping and check for connectivity.

Example: *ping –c 4 192.168.10.100*

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Federal Communication Commission Interference Statement

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/CANADA

RoHS

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