

PowerMate (Node/AP) User Manual

Product Description

PowerMate comes in two versions Node and PowerMate Access point. These versatile smart controllers are designed to help you manage a variety of tasks efficiently and effortlessly. PowerMate Node connects to your home WiFi network, while PowerMate AP acts as an access point. Powermate allows you to set up and adjust schedules remotely using a user-friendly dashboard. With customizable settings, these devices can be adapted to numerous use cases, such as irrigation, lighting, or appliance control.

Setting Up Your PowerMate Node Version

To begin using your PowerMate Node, follow these simple steps:

1. Connect the power cable to a 100/240V power socket.
2. Search for a WiFi network named "PMXXX" and connect to it.
3. Open your internet browser and enter <http://192.168.4.1/>
4. Enter your home WiFi network ssid and password.
5. Click "Submit."
6. PowerMate Node will restart and connect to your home WiFi network.
7. Open your internet browser again and enter the IP address to access the dashboard.
8. Click configure timers to select the required amount of triggers.
9. Click on "Update Trigger Schedule" and select the, Hour, Minute , frequency and repetitions and the days to turn on for each of the triggers.
10. Click "Submit" to save your settings.

Setting Up Your PowerMate AP (Access point version)

To begin using your PowerMate AP, follow these simple steps:

1. Connect the 240V power cable to a 240V power socket.
2. Search for a WiFi network named "PowerMateXXX" and connect to it.
3. Open your internet browser and enter <http://192.168.4.1/> to open the dashboard.
4. Click on "Set Clock" and input the current date and time. (This step is required only once)
5. Click on configure triggers to select the amount of triggers required. Click configure timers to select the required amount of triggers.
6. Click on "Update Trigger Schedule" and input the, Hour, Minute , frequency and repetitions and the days to turn on for each of the triggers. Submit to update.

PowerMate AP/Node USER MANUAL

Powermate-V2 Timer Dashboard

Toggle Dark Mode

Trigger 1	Trigger 2	Trigger 3
Time: 08:00	Time: 09:00	Time: 10:00
Activation Duration: 10 seconds	Activation Duration: 11 seconds	Activation Duration: 12 seconds
Delay Between Activations: 10 seconds	Delay Between Activations: 11 seconds	Delay Between Activations: 12 seconds
Repetitions: 3	Repetitions: 4	Repetitions: 5
Activations: 0	Activations: 0	Activations: 0

Active Days

Sunday Monday Tuesday Wednesday Thursday **Friday** Saturday

Current Time	System Information
Current Time: 22:16:11 Refresh	Firmware Version: 2.0

Timer Configuration

[Configure Timers](#)

Trigger Schedule

[Update Trigger Schedule](#)

[Scan for WiFi](#) [Turn Device On](#)

Trigger Settings

Trigger 1

Time:

Activation Duration (s):

Delay Between Activations (s):

Repetitions:

Active Days

Sun Mon Tue Wed Thu Fri Sat

[Save](#)

System Time: 22:15:16

Version: 2.0

The dashboard consists of the following parameters .

- Time Now
- Refresh (Refreshes the on page information)
- Update Trigger Schedule
- Turn on (Turns on power manually)
- Firmware Version

Firmware Version: The firmware version indicates the specific version of software embedded in the hardware device. It's important for device functionality and compatibility.

Time Now: Time Now displays the current time from the device's internal clock. It helps in synchronising and logging events.

IP ADD: IP Address (IP ADD) is a unique numerical label assigned to a device connected to a network, which allows it to communicate with other devices.

Activation Duration:: Device Active Time represents the total duration for which the device has been actively operating since the last reset or startup.

Repetitions : Activations per Cycle is the number of times the device is activated within one operational cycle. It's useful for understanding usage patterns.

Activations: Number of Times Activated is the total count of how many times the device has been activated since it was first put into operation.

Active Days: Active Days represents the number of days the device has been active since its first use. It can be used for maintenance scheduling.

Start Time: Start Time indicates the time when the device was last activated or started its current operational cycle. It's useful for tracking and logging purposes.

Advanced Features

MQTT

In the context of Powermate, the integration of MQTT (Message Queuing Telemetry Transport) protocol plays a key role in delivering an interactive and efficient user experience. This lightweight messaging system allows Powermate to seamlessly communicate with HomeAssistant, facilitating real-time updates and efficient data transmission while conserving network bandwidth. This feature enables you, the user, to remotely operate Powermate through HomeAssistant, enhancing its versatility. The practical application of MQTT in Powermate turns your regular environment into a smart one, providing you with an added layer of convenience and productivity, right at your fingertips.