USER MANUAL

PowerHouse Smart Home Application

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01 Introduction

This user manual is designed to help you set up, navigate, and maximize the features of your smart home system. Whether you're controlling lighting, security, climate, or appliances, Powerhouse puts your home at your fingertips—anytime, anywhere.

1.1. What is PowerHouse?

Powerhouse is an advanced smart home automation application that allows you to monitor and control your connected devices seamlessly. With an intuitive interface and powerful automation features, you can customize your home environment for convenience, security, and energy efficiency.

1.2. Key Features

- **Remote Control** – Manage lights, thermostats, locks, and more from your smartphone.
- **Automation and Scheduling** – Automate tasks like turning off the lights.
- **Energy Management** – Track real-time, daily and monthly, energy usage and optimize efficiency
- **Set Energy Goals** – Allow Users to set a desired energy goal that they want to meet
- **Device Grouping** – Group multiple devices to control them at the same time
- **Analytics** – Get a PDF that showcases your energy analytics based on the chosen month, date and the devices you want to generate the PDF for
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02 Basic Terminologies

2.1. Dashboard

The main dashboard page where users can see all their energy usage, devices connected, automation schedules and device controls in a single page

2.2. Devices

The devices page shows you the controls for all devices, as well as options to edit the names and delete these devices from PowerHouse

2.3. Automation

The automations page lists all the automation schedules created, Automations are to mainly remotely control devices based on a trigger, such as at a certain time

2.4. Energy

The energy page showcases the device wise breakdown of energy usage, and the monthly energy usage vs the energy goal set by the user. This is also the page where you will find the option to generate the Analytics PDF for sharing to social media
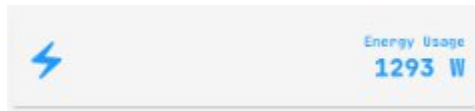
2.5. Groups

Groups helps you create a group of devices that can be controlled together, such as turning a group of devices in your bedroom
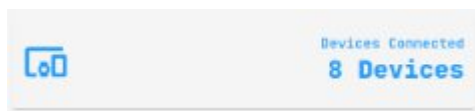
2.6. Users

PowerHouse has 2 types of users, the Super User and the Sub User. The Super User is the admin who has access to all devices, and can control and allocate devices to sub users
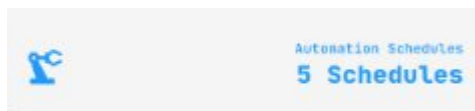
Dashboard:

Real-time Energy Usage
Displays the real time energy usage being consumed by the connected devices

All Connected Devices
Displays the number of connected devices in PowerHouse, clicking on this will take you to the Devices page
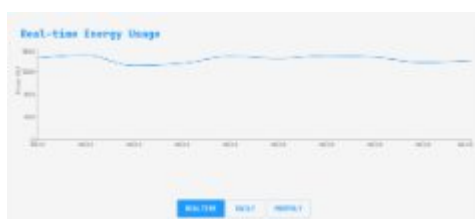
Automation Schedules
Displays the count of all automation schedules created in PowerHouse

Device Control
Displays all the devices connected to PowerHouse along with the option to toggle their power status

Real-time, Daily and Monthly Energy Usages
Toggle between real-time, daily and monthly energy Usage graphs
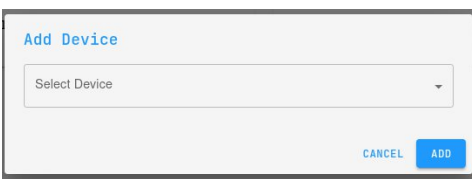
04 Devices

Device Card
Shows all the devices in the form of a card with the option to Edit their names and delete the device from PowerHouse
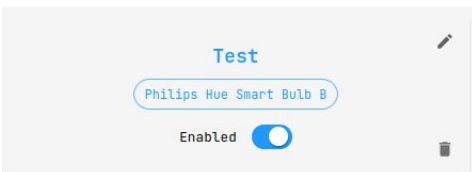
Add a new Device
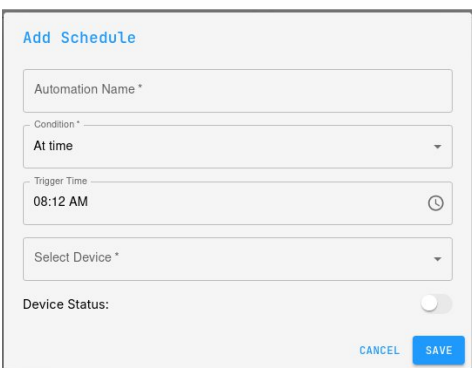The add device button shows all the devices that are not connected to PowerHouse

Add Device

Select Device

CANCEL ADD

Add Device Dialogue
The add device dialogue shows a dropdown which allows you to select devices not connected to PowerHouse
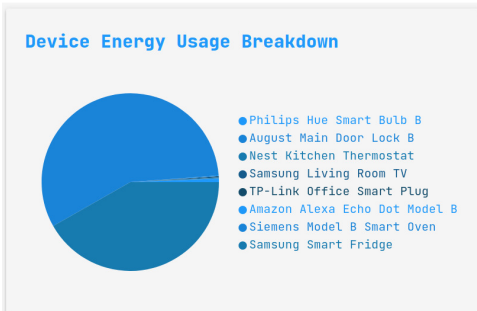
05 Automations

Test

Philips Hue Smart Bulb B

Enabled

Automation Card
Shows all the automations as cards, with the option to edit, delete and deactivate

Add Schedule

Automation Name *

Condition *
At time

Trigger Time
08:12 AM

Select Device *

Device Status:

CANCEL SAVE
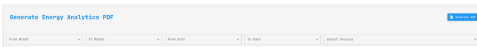
Add Automation Dialogue
The dialogue allows you to give the automation a name, set a condition and the device that the automation should affect, along with if the automation should turn the device on or off using the device status field

06 Energy

Energy Usage Breakdown

Provides detailed insights into the energy consumption of each connected devices.
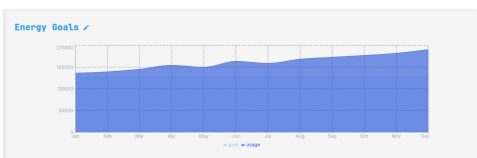

Generate Energy PDF

The dialogue allows you to create a PDF summary of energy usage over a selected date range and devices.

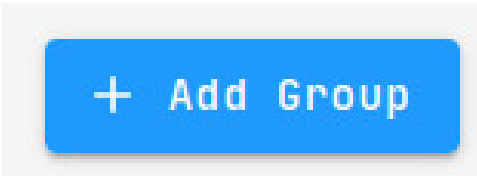## Set Monthly Energy Goal

The dialogue allows you to set a monthly energy goal.

Energy Goals

Allows you to track your progress toward your set energy goal and helps monitor energy consumption.
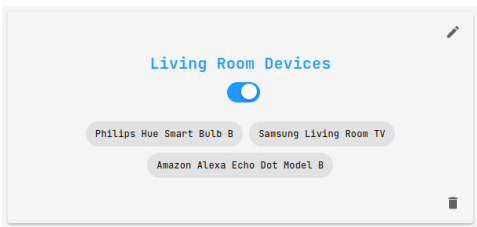
07 Groups

Add a new Group

The add group button lets you create a new group with selected devices of your choice.
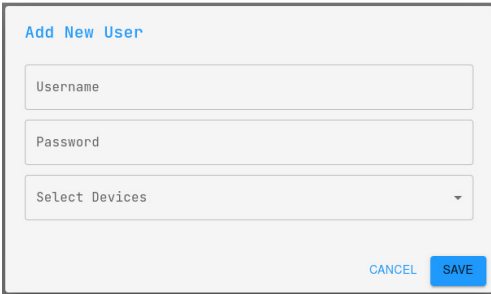
Add Group Dialogue

The add new group dialogue allows you to name your group and select devices from those allocated to your profile using a dropdown menu.

Group Card

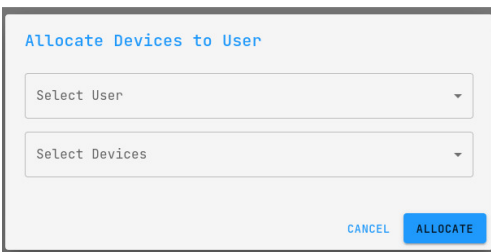Shows all the groups as cards, with the option to edit group name, delete group and manage devices within the group.

08 Users

Add New User

Username

Password

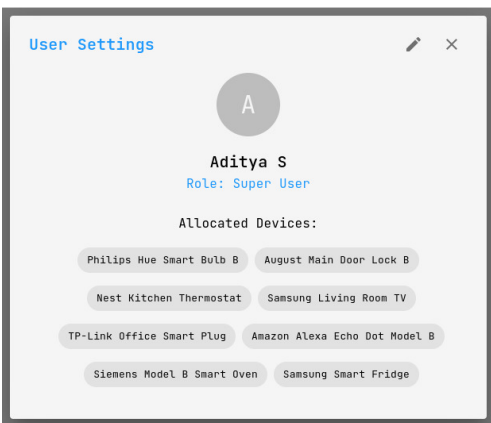Select Devices ▾

CANCEL   **SAVE**

Add User Dialogue

Add new user dialogues allows you to add a new user and allocate devices to them using the dropdown menu, that shows all the devices that are connected to powerhouse.

Allocate Devices to User

Select User ▾

Select Devices ▾

CANCEL   **ALLOCATE**

Allocate Devices Dialogue

Allocate Devices Dialogue lets you assign devices to a user connected to the powerhouse.

User Settings   ✏ ✕

A

Aditya S
Role: Super User

Allocated Devices:

Philips Hue Smart Bulb B   August Main Door Lock B

Nest Kitchen Thermostat   Samsung Living Room TV

TP-Link Office Smart Plug   Amazon Alexa Echo Dot Model B

Siemens Model B Smart Oven   Samsung Smart Fridge
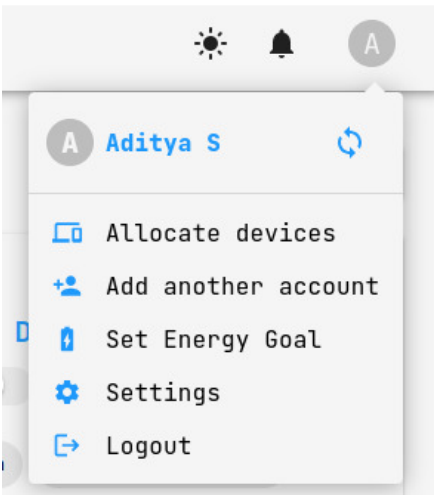
User Settings

User settings displays your information, including the account you're logged in with, your account type, and all the devices allocated to your account.
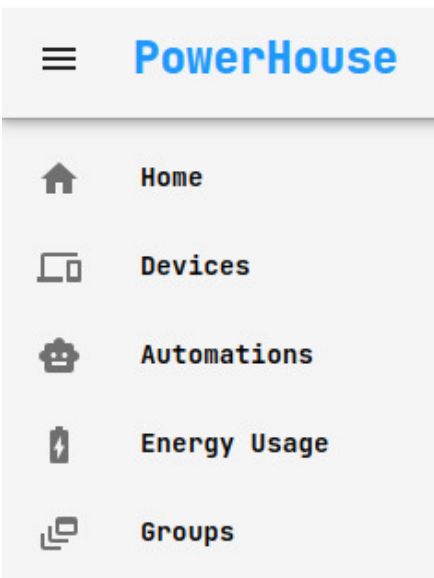
09 Navigation

User Menu

User menu lets you access your profile and notifications, and switch between theme settings.

Profile Icon

Profile icon displays all the actions you can perform including allocating devices, adding another account, setting an energy goal, accessing settings, and logging out.

Sidebar Menu

Sidebar menu lets you easily navigate through powerhouse. It allows you to manage devices, groups and automations, as well as view energy usage.

10 Summary

PowerHouse Smart Home Application provides an intuitive way to monitor and control your smart home devices, manage energy consumption, and automate daily tasks. By utilizing features like device grouping, automation scheduling, and energy goal tracking, you can optimize your home's efficiency and convenience.

With the PowerHouse app, you have full control over your smart home experience, ensuring comfort, security, and energy savings.

11 Support & Contact

If you need further assistance or have any questions, please refer to our support resources:

 Website: @powerhousehwud
 Instagram: @powerhousehwud
 LinkedIn: @powerhouse
▶ **YouTube:** @PowerHouse-HWUD

For troubleshooting, FAQs, and the latest updates, visit our online help center.

Thank you for choosing PowerHouse!