

User's Manual

# SMART PLUG



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## User's Manual – Safety Guide

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Thank you for purchasing our Smart Plug.



Before using this product, read the user's manual for this plug to ensure correct and safe usage throughout the lifetime of the product. After reading, store the user manual in a safe place for future reference. Incorrectly handling this product could result in physical injury or damage to the product. The manufacturer assumes no responsibility for the damage caused by mishandling, or misuse that is beyond what is defined within the manual of the product.

### NOTE

- The information in this user's manual is subject to change without notice.
- The manufacturer will assume no responsibility for errors that appear in the manual.
- Reproduction, sale, or duplication of this document and its contents are not permitted without authority by the manufacturer.

### SYMBOLS

Various symbols are used in this user's manual and are found on the product as well to ensure correct and safe usage so as to prevent cause of harm to the user and prevent damage to the product. The meaning of each symbol can be found below.



**WARNING**

This symbol indicates information that if ignored, may cause person injury.



**ELECTRICAL CAUTION**

This symbol indicates information that if ignored, may cause electrical shock that can be fatal.

## User's Manual – Environmental Considerations

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This section provides information about the environmental impact of the product.

### Product End-of-Life Handling

Observe the following guide when recycling the product:

**Equipment Recycling.** Production of this equipment required extracting materials and user of natural resources. The equipment can contain traces of foreign substances that could be harmful to the environment or to human health in the case of improper use. In order to avoid accidental release of such substances into the environment, we deeply encourage the user to recycle this product in an appropriate system that will ensure the majority of the materials will be reused and recycled appropriately.

To properly dispose of this product, please bring it to a nearby electronics recycling station. Contact your local recycling station to determine the whereabouts of the closest electronics recycling station.

# SMART PLUG

## User's Manual – About Smart Plug

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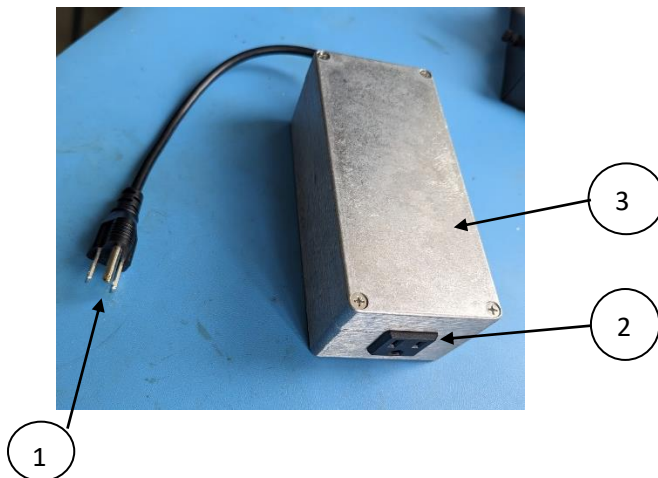
This section provides information about the description of the Smart Plug device such as identification of pieces and about the safe use of Smart Plug.

### Safety

The Smart Plug device is not made for children under the age of 10 years old. Please have adult supervision at all times and keep children under the age requirement out of reach. We are not responsible for any hard or damage caused from the user not following these strict rules.

### Description

The Smart Plug device boasts a simple and sleek design, silver body and single plug functionality. The following figure describes the parts of the device.



1 – Input Cable

2 – Output Socket

3 – Device Cover/Body

Input cable plugs into a Type B wall socket.

Output socket takes Type B plug-in devices.

Device cover/body houses the internal electronics.

## User's Manual – Getting Started

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This section provides information about the general use on how to begin preparing for product use.

The Smart Plug is a small, low profile, pass-through style wall socket device which allows users to take measurement values of plug-in devices and take control over product.

This section describes how to do the following:

- Access the application
- Connection to the application
- Setting up/using the application

**PRECAUTION** Under no circumstances are users allowed to or encouraged to open the Smart Plug device. Accessing internal electronics may cause serious injury and will also void the warranty.

### Accessing the Application

The Smart Plug product requires an application to access it's full list of features and usability. To download this application, follow the steps below:

- Open Google Play Store
- Search 'team7\_390\_W2024'
- Download the application

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### **Application Connection**

To start setting up the app, ensure to be within BLE range (recommended within 2 to 5m) of the device, and have a strong Wi-Fi connection. Once the user has completed those requirements, plug the device into a wall socket and follow the steps below:

- Open 'team7\_390\_W2024' application
- This brings the user to the Main View menu, to set a profile, select on 'Add New Device', this will prompt the user with the Devices View menu.
- Click on the 'Add New Device' button, this will prompt the user with a 'Scanning BLE' loading screen. Should the user not see any devices within 5-10 seconds, press the refresh button at the top right of the screen.
- The devices that show up on the 'Scan for Device' screen will be listed via their MACADDRESS. This set of numbers and letters can be located on the Smart Plug cover. Locate this MACADDRESS and confirm that it is the same as one located on the screen. Select the one that matches your Smart Plug device.

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- User input will be prompted, the user will be required to input their Wi-Fi credentials. Proceed by inputting all user Wi-Fi credentials and pressing 'Save'.
- Pressing 'Save' will return the user to the Devices View menu. Press the back arrow button to return to the Main View page.

### **Application Setup/Use**

The following section will show the user how to access the settings for the application to set up their desired parameters. Please ensure that the device has been connected before adjusting the settings, then follow the steps below:

- From the Main View page, press the 'Settings' button.
- The user will be prompted with a new page with a variety of options, these options are the selection of data that users desire to be displayed while using the application. The user can change the options at any point in time when



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the app is in use. For now, press on every square available, ensure a checkmark appears in the box once it has been selected.

- Once the data has been selected, press 'Set Data View Settings', this will bring the user to the Data View page.

**NOTE** For functionality of the application, the device must always remain plugged into the wall.

- The user will now see all data from the Smart Plug. Start by pressing the 'Plug Off' button, and then plug in an electronic plug-in device of your choice that uses a Type B socket. The power rating of the device should not exceed 1800W power draw.

**NOTE** We are not responsible for any damages caused to the device should the user not follow specifications of the device. Plugging in devices that are not within the specifications provided by the Smart Plug manufacturer into the Smart Plug device can result in catastrophic damage to the plug-in device and the Smart Plug device.

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- Once the device has been plugged into the Smart Plug, the user should now be seeing data points on the screen. When ready, press the 'Plug On' button to turn the Smart Plug on. If the plug-in device was turned on successfully, the readings should be above 0A for current and 0W for power.
- Should the user want to turn the device on or off, simply press 'Plug Off' and the plug-in devices connected will all be turned off.