SMARTPOWER 50

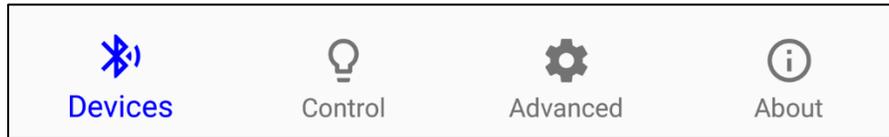**Bluetooth Power Supply Control App**

Apple
User Guide

App Navigation

Navigation tabs

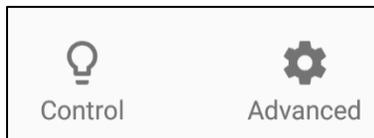The app has 4 different navigation tabs located at the bottom of the app.

They include Devices, Control, Advanced, and About tabs. Each of the tabs are labeled with their respective names. The tab that is colored blue is the currently selected tab.

Changing tabs

Clicking on the different tabs will change the tab that is displayed.
The Control and Advanced tabs can only be clicked on if you are currently connected to a

SMARTPOWER 50 power supply. If you click on either of those tabs when you are not connected, you will be brought back to the Devices tab and the app will perform a 2 second scan for SMARTPOWER 50 power supplies in the area.
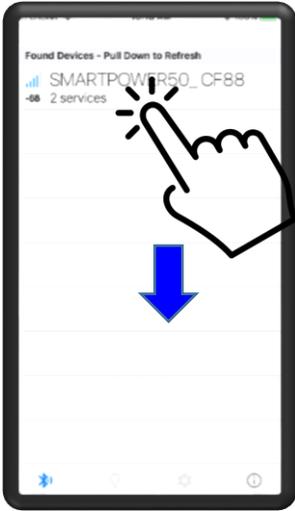
Closing the app

Pressing the home button located on the bottom bezel of the device will close the app, and disconnect the current session, requiring the user to re-connect to their desired SMARTPOWER 50 device the next time the app is open.

Devices Tab

Scanning for devices

Once the app is opened, it will begin scanning for devices that are in range. This scan will last 2 seconds, then stop scanning displaying a list of found SMARTPOWER 50 power supplies.

Each SMARTPOWER 50 device will have a unique name. The name will be SMARTPOWER50_XXXX. The XXXX is a unique alpha numeric code unique to most power supplies.
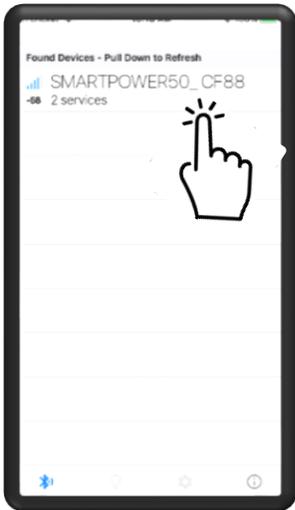
To re-scan or refresh the list of available nearby SMARTPOWER 50 devices, pull down on the middle of the screen and the app will re-scan for devices for another 2 seconds.

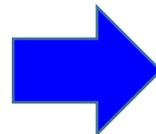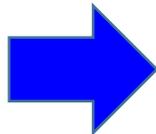| Click and Pull down on the screen. Then let go to refresh the list.	The app will re-scan and display a new list of found devices.

Connecting to devices

Once the desired SMARTPOWER 50 device appears on the screen, it becomes available for Bluetooth connection. To connect to the SMARTPOWER 50 device, click on the banner containing the SMARTPOWER 50 device's unique ID.

A dialog box will open, requesting the user allow the SMARTPOWER 50 device to pair with their iOS device. A text box reading 'Fetching Data' will appear on the screen, to indicate a connection is initiated. After a few moments, the app should then navigate to the 'Control' tab, and the phone is connected to the SMARTPOWER 50 device.

Control Tab

While connected to a SMARTPOWER 50 power supply, the options nested in the 'Control' tab allow the user to apply their desired settings to the power supply via Bluetooth. To open the 'Control' tab, click on the 'Control' icon on the banner at the bottom of the screen.

Power Icon

Clicking the **power icon** on the inside of the lightbulb turns the power supply's power ON or OFF. If the icon is Green, the power is ON. If the icon is Red, the power is OFF.
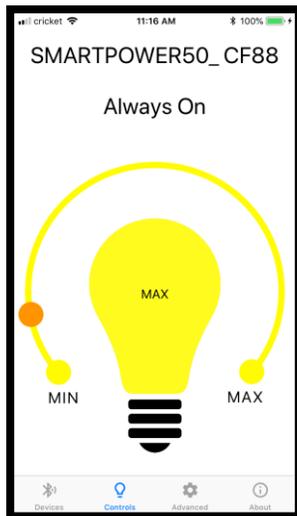
Mode Setting

The **mode setting** is located above the lightbulb, underneath the device name. The default setting is 'Always On'. There are also settings 'Dusk to Dawn', and '1 Hour' to '8 Hours'. The hour settings turn the power supply ON for the selected amount of time, starting when the photocell senses darkness below the threshold (see 'Advanced Tab' for steps to set photocell threshold). u
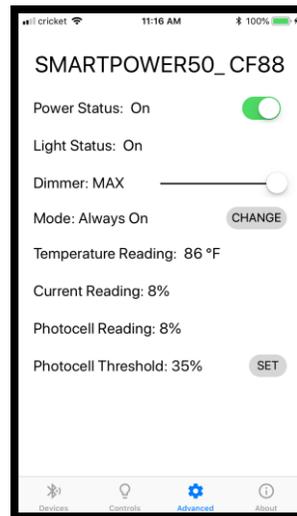
Brightness Percentage

The **brightness percentage** is displayed on the lightbulb, above the power icon. It will display 'Max' if the power supply is set to full brightness, and 'Min' if it is set to full dimness.

Dimmer Slider

The **dimmer slider** arcs around the lightbulb. It controls the dimmer percentage. Sliding the slider counter-clockwise results in a lower brightness percentage, and dimmer lights. Sliding the slider clockwise results in a higher brightness percentage, and brighter lights. The brightness percentage display will give live feedback as the slider is moved to indicate the brightness percentage the user is currently choosing. (The dimmer slider will only function if the power supply is ON, with a green power icon on the lightbulb).

'Control' Tab   'Advanced' Tab

Advanced Tab

The 'Advanced' tab permits the user to view the status of their SMARTPOWER 50 device, and customize the photocell threshold to suit their unique environment.

Power Status

The 'Power Status' slider turns the power supply ON or OFF. A green indicator will display when the device is ON, and a red indicator will display when the device is OFF.

Light Status

The 'Light Status' banner indicates whether the lights connected to the device are ON or OFF.

Dimmer

The 'Dimmer' slider controls the brightness of the lights. Sliding the slider to the <u>left</u> results in a lower brightness percentage, and dimmer lights. Sliding the slider to the <u>right</u> results in a higher brightness percentage, and brighter lights. The left side of the banner gives live feedback as the slider is moved, to indicate the brightness percentage the user is currently choosing. (The dimmer slider will only function if the power supply is ON).

Mode Setting

The 'Mode Setting' banner allows the user to change the mode that the power supply operates under. It allows the user to select modes ranging from 'Always On', 'Dusk to Dawn', and between 1 and 8 hours. The hour settings will turn the power supply ON for the selected amount of time after the photocell senses a light level below the user-set threshold.

Temperature Reading

The 'Temperature Reading' banner displays the current temperature of the inside of the power supply. The temperature reading is obsolete to the everyday use of the SMARTPOWER 50 device, and is for diagnostic use only.

Current Reading

The 'Current Reading' banner provides a percentage estimate of the amount of power that the connected lights are drawing from the power supply. The current reading is obsolete to the everyday use of the SMARTPOWER 50 device, and is for diagnostic use only.

Photocell Reading

The 'Photocell Reading' banner provides a percentage amount of the light the photocell currently senses.

Photocell Threshold

The 'Photocell Threshold' banner allows the user to set a custom threshold under which the power supply will operate. This operation is only applicable when the SMARTPOWER 50 device is switched to the 'Dusk to Dawn' mode setting. In the 'Dusk to Dawn' mode, a photocell reading **below** the photocell threshold will result in the lights turning ON, and a photocell reading **above** the threshold will result in the lights turning OFF.