

Product Data Sheet

IRIS Range Extender Smart Plug

3210-L

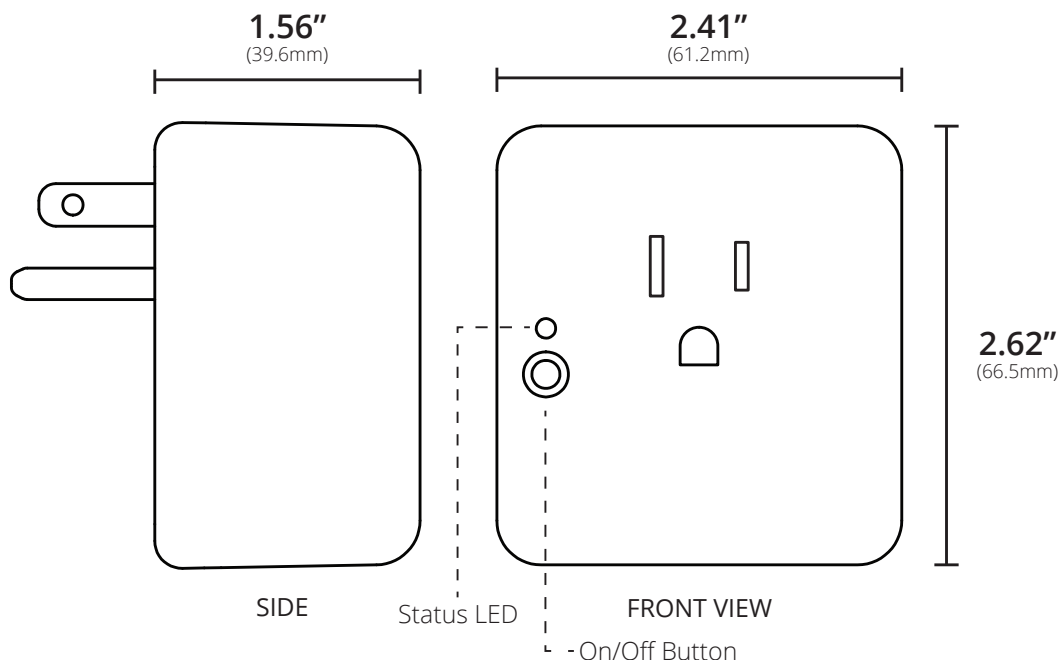


Last Updated: June 2015

Product Overview

The Iris Smart Plug introduces new functionality to existing appliances and lighting devices. By placing the Smart Plug between an outlet and any appliance in your home, you can instantly add advanced automation features. Not only can the Smart Plug be switched on and off remotely, but it also can be used with your existing ZigBee hub to respond to alerts, schedules, and scenes. The Smart Plug can also report its power usage for energy management. The Iris Smart Plug is an affordable way to add automation and track the energy use of your home while acting as a repeater for other ZigBee and Z-Wave devices.

Dimensions



In the Box:

- 1x - Iris Smart Plug
- 1x - Quick Start Guide

Key Features:

- Built-in power amplifier for exceptional range.
- Current-sensing technology to report real-time energy usage.
- Acts as a repeater for both ZigBee and Z-Wave devices.
- Easy compatibility with other manufacturers' ZigBee HA 1.2 devices.
- Override button for direct on/off control.
- LED indicator for at-a-glance on/off status.
- Over-the-air firmware updates.

Use Cases

- Include appliances in your automated home schedules and events.
- Automatically turn off devices that are dangerous to leave on.
- Trigger coffee pot or toaster to turn on when there is motion in your bedroom in the morning.
- Measure energy usage of power-hungry devices.
- Be alerted if an appliance is turned on outside of scheduled times.
- Include window units and space heaters in your home automation system.

Turn your Crock-Pot into a “smart Crock-Pot.”

Plug-in your Crock-Pot to a Iris Smart Plug and experience “connected” cooking. Schedule your home to begin cooking at noon—no more coming home during your lunch break to start a meal.

Automatically turn off devices that are dangerous to leave on.

Can't remember if you turned off the curling iron? Not only can the Smart Plug automatically turn off a device after a set period of time, it can send you notifications and let you check the status of a device.

Say no to energy-hungry devices

Many appliances still consume power, even when they're turned off. The Smart Plug lets you see how much power those devices are using and lets you shut them off to conserve electricity.

Measure energy usage of appliances

The Iris Smart Plug features current sensing technology that actively reports energy usage. Your connected home can track energy usage and offer suggestions to save energy.

Special Features

Current-Sensing Circuitry

The Iris Smart Plug features current-sensing circuitry for real-time energy usage reporting. The current-sensing feature can also be used to notify users when a device has been turned on or off.

High-quality, latching relay

The high-quality latching relay included in the Smart Plug is rated for loads up to 12 amps. This allows users the ability to safely control loads from larger, higher current devices like computers, monitors, TVs, coffee makers, and large stereo systems.

Easy 2-Step Join Process

The Smart Plug is factory-configured to search for open ZigBee networks the first time it is plugged in.

Simply open the hub for joining, plug in the Smart Plug, and the module will join the open network.

ZigBee Home Automation 1.2 Compatibility

The Iris Smart Plug is fully ZigBee HA 1.2 certified and is guaranteed to function with all open, ZigBee HA 1.2-certified hubs and devices.

Superior Range and Updatability

The Iris Smart Plug includes a built-in power amplifier, giving the module superior range and stability in large homes or areas with wireless interference.

The Smart Plug also supports over-the-air updates providing for seamless upgrades and feature additions without the need for any user interaction.

Getting Started

Step 1: Open ZigBee Network for Joining

Using your controller or hub's interface, enable the ZigBee network for joining.

Step 2: Plug-In Smart Plug

Plug the Smart Plug into a receptacle and it will immediately begin searching for a network to join.

Step 3: Finish Joining at Hub (optional)

Some hubs and controllers require additional steps such as naming or categorizing the device.

Troubleshooting

Unplug Module from Receptacle

Begin by unplugging the module from the wall receptacle. Then plug it in again and test operation. Also, try plugging the lamp or appliance into a non-switched wall receptacle to ensure the lamp works.

Step 2: Factory Reset and Rejoin

Unplug any devices from the module and unplug from the wall. Now hold the on/off button while plugging it back into the wall. Hold the button until the status LED turns on. Repeat the “Getting Started” steps to rejoin the ZigBee network.

Compatibility

The Iris Smart Plug features out-of-the-box compatibility with the Lowe's IRIS Hub and any ZigBee HA 1.2-certified hub, controller, bridge, or platform.

Technical Specifications

Electrical

Rated: 120 VAC, 60Hz
Output: 12A, General Purpose

Environmental

Operating Temperature: 0° to 40°C

Shipping / Storage

Temperature: -20° to 50°C
Humidity Range: 0 to 90% RH.
(non-condensing)

Approvals:   

Wireless RF

Protocol: ZigBee HA 1.2
Z-Wave
TX Strength: +18 dBm
RF Channels: 16
Range: 260+ ft. (80+ m) L.O.S.

Safety Warnings

NOTE:

Each module outlet is rated to 12A only if the connecting cord is rated at 90C or greater.

WARNING!

If a load greater than 12 amps is attached to the output, the Smart Plug will be damaged and will no longer function.

WARNING!

The total current limit of the device is 12A. Do not exceed this value!

WARNING!

If a direct short is created on the output, the Smart Plug will be damaged and will no longer function.

Approvals

This device complies with Part 15 of the 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.

Conforms to FCC Part 15B

Contains FCC ID: T3L-SS007

IC: 12192A-SS007

Contains FCC ID: W7Z-ZICM357SP2

Contains IC: 8254A-ZICM357SP2

Industry Canada licence-exempt RSS Standards. 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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.



This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by Centralite Systems, Inc. could void the user's authority to operate the equipment.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

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