Lightwave
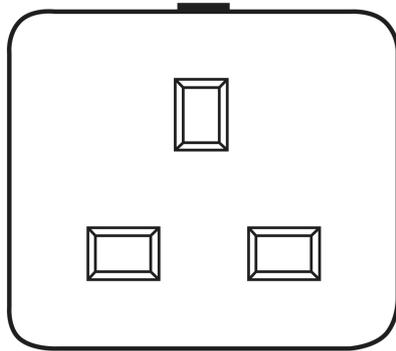
Installation Manual

Smart Plug-In (LP40)

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Installation Support

In this booklet you will find instructions on how to set up a Smart Plug-In (LP40).

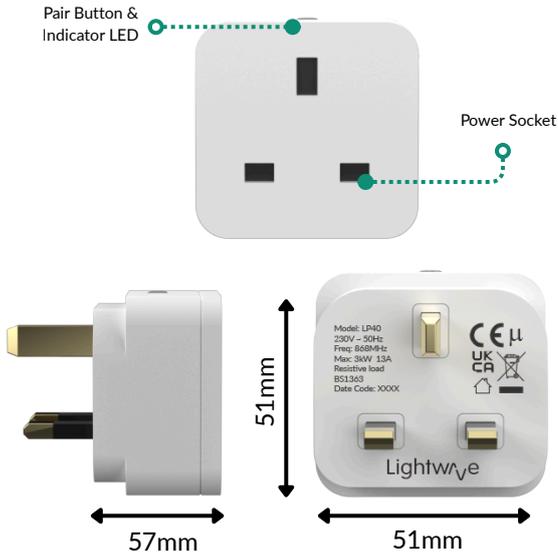**For further guidance click on the links below:**

Contact the team for further support

Have a look at our website

Contact a Lightwave Pro installer

Phone number: 0121 468 8987

General Information

Pair Button & Indicator LED

Power Socket

Model: LP40
230V ~ 50Hz
Freq: 868MHz
Max: 3kW 13A
Resistive load
BS1363
Date Code: X00X

Lightwave

51mm

57mm

51mm

Product weight:
75g

RF Frequency:
868MHz

Warranty:
2 years standard warranty
(from the date of purchase).

A lifetime warranty on the
device is available if you are
a Lightwave Plus member.

Link plus hub:
Make sure that the Link Plus Hub is in a high and central
location for optimal communication.

Product dimensions:
51mm X 51mm x 57mm

Maximum Load:
3000 watts

Location:
It can plug into any
standard 13A socket

Voltage and Frequency:
230V ~50Hz

Preparing for Installation

Please follow the instructions carefully to ensure the product is installed safely.

Neglecting to follow these instructions could result in the loss of your 2-year warranty on the device.

Damage caused by any modifications or physical damage will invalidate your warranty.

LightwaveRF Technology Ltd cannot accept responsibility for any loss or damage that may occur if the instruction manual is not followed correctly.

IMPORTANT: Any electrical installation must comply with building regulations, BS 7671 (IET wiring regulations) or local equivalent.

IMPORTANT: If conducting an insulation resistance test, any Lightwave devices must be disconnected from the mains, or damage to the unit may occur.

You will need:

- BS1363 13A mains power outlet
- Your Link Plus and smartphone
- The Lightwave Link Plus App can be downloaded (available on iOS & Android)

What is included in the box:

- Lightwave Smart Plug-In
- Installation manual.

Installing a Smart Plug-In

If you plan to install this product yourself, please follow the electrical wiring instructions carefully to ensure the product is installed safely, if in any doubt please consult a qualified electrician, technical team or Lightwave Pro installer.
It is important to install this product in accordance with these instructions.
Failure to do so may risk personal safety, create a fire hazard, violate the law and will also void your warranty. LightwaveRF Technology Ltd will not be held responsible for any loss or damage resulting from not correctly following the instruction manual.

When you plug the Smart Plug-In into a standard 13A wall socket, please ensure that the wall socket is turned on. The LED on the Plug-In will illuminate green to indicate that there is power.

LED Indicator Lights

○ ⟶ Plug-In is On

○ ⟶ Pairing Mode

○ ⟶ Successful Pairing

○ ⟶ Memory is Full

○ ⟶ Plug-In is Off

○ ⟶ Plug-In is Locked

○ ⟶ Plug-In is updating

For more information, please click on the link:

How to pair a Smart Plug-In to the Lightwave App

Before you begin: **Download the Lightwave Link Plus App** from the **Google Play Store** or **Apple App Store**.

Adding a smart series device to the Lightwave Link Plus App:

- Make sure that the Link Plus Hub is a high and central location for optimal communication.
- Press the green plus (+) button at the bottom of the page on the app. Then select the devices icon.
- Name the device appropriately in the grey box at the top of the page. (in the box that says e.g. porch spotlights).
- Put the device into linking mode. Then press the link button in the app while the device is in linking mode. The app will begin scanning, and once the device is found, it will flash blue rapidly.

Linking mode:

- Press and hold down the button on top of the Plug-In until the LED flashes blue and red alternatively.

How to master reset the device:

- Press and hold down the button on top of the plug-in until the LED flashes red.
- Release the button, then press and hold the button on top until the LED lights flashes red rapidly.
- Release the bottom button— the LED will turn green and then change to solid red, indicating that the Smart Plug-In is ready to be paired again with the Link Plus App.

For more information, please click on the links below:

- How to add devices to the Link Plus App?
- How to put your devices into pairing mode?
- How do I master reset Lightwave devices?

Creating Automations

Putting the Plug-In into locking mode:

To lock / unlock the Plug-In, press the 'lock' button on the Lightwave App. This means that the manual button will not operate it. A locked Plug-In is signified by a slow flashing purple LED when the manual button is pressed.

- Using the Link Plus and Lightwave App, you can create custom automations for the Smart Plug-In
- As long as the Link Plus Hub is still connected to power, your automations will continue to work even if you lose your internet connection.
- You need internet connection to create the automations.

Types of automations you can create with a Smart Plug-In:

Timer = When you would like a device to operate at a set time and on certain days.

Schedule = It is recommended to use a schedule when you would like a device to operate certain times throughout the week and on specific days.

If-Do = This automation triggers another action. For example: when one light switches on, all lights in the house turn on.

Group = This can be used to make multiple devices 'copy' each other. Useful for controlling many devices in the same location by only interacting with one of them.

Do = Can be used to create moods/scenes. It works on-demand only, so requires execution via the Link Plus App or via Google Home, Apple Home or Alexa.

Simulated Occupancy = This can be used to schedule your lights to come on at random times throughout the day when you are not at home.

Multi-press = Gives you the option to trigger an automation to work from a single, multiple, long & release presses.

For more information, please click on the link: Introduction to Automations

Energy monitoring on the Lightwave Link Plus App

- You can monitor your energy usage on any device connected to the Lightwave Link Plus App.
- For example, you can monitor heating devices, smart sockets, dimmer switches, and more.
- This information will assist you in effectively reducing your energy consumption, enabling you to lower your electricity expenses.
- To save energy, we recommend adding the devices that consume the most power to automations.
- For example, you can put the heating on a schedule throughout the day during winter to help you save money.
- Another example is setting straighteners on a timer so that, if you forget to turn them off, the plug will automatically switch off after a set time.
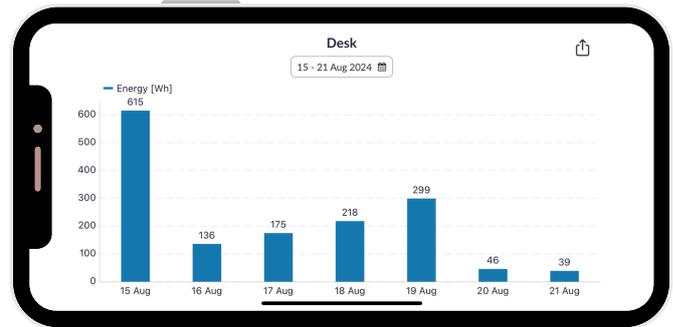
How accurate is the energy monitoring?

Updates from the energy monitor occur as frequently as every 15 seconds. However, we intentionally restrict the data sent to the server based on current and total values to minimize unnecessary duplication of data. Your live current usage will generally be within 10% of the value displayed when you're away, and the total usage will differ by no more than 0.1kWh. The total usage recorded for yesterday reflects the highest measured value transmitted to the server during that period.

For more information, please click on the link: Understanding Energy & Cost Monitoring in the Lightwave App

Troubleshooting

If your Lightwave Smart Plug-In isn't behaving as expected, the steps below cover the most common issues and how to resolve them.

⚠️ Linked but not working

If the device appears in the app but doesn't respond, it may be paired as a Connect Series (Generation 1) device.

What to try:

- Delete the device from the app.
- Clear the memory of the device.
- Put it back into pairing mode.
- Re-add it as a Smart Series device using the name box at the top of the linking screen rather than using "link connect series device"

Helpful Guides:

How to put your devices into pairing mode?

How to delete a device from the Lightwave Link Plus app?

How to add devices to the Link Plus App

🔌 Device not linking to the app

- Check the device hasn't been added to the default room (if no room is selected, it goes to the first room automatically).
- Make sure the device is within close range of the Link Plus hub.
- If the LED flashes red when pairing, the device memory is full and will need clearing before it can be added.

Helpful Guides:

Why Won't My Devices Pair to the Link Plus App?

Where is the best place to position my Link Plus Hub?

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Troubleshooting

If your Lightwave Smart Plug-In isn't behaving as expected, the steps below cover the most common issues and how to resolve them.

🔴 **Flashing RED LED Light when linking**

A flashing red LED means the device memory is full, usually after a failed pairing attempt.

To master reset the device:

• Press and hold a button until the LED flashes red, then release.

• Press and hold the same button again until the LED flashes red rapidly, then release.

• The LED will turn green and then change to solid red, confirming the socket is ready to be paired again with the Link Plus app.

Helpful Guides:

How do I master reset Lightwave devices?

🔄 **Device Appears Not to Be Updating**

If both buttons on the socket are pressed during linking, the device may incorrectly show that an update is required when no update is needed. The device will also display "error sending command" when you use the app to control it.

How to resolve this:

• Delete the Smart Socket from the Lightwave APP
• Clear the memory of the Smart Socket
• Re-pair the socket, pressing only one button during setup.

This should allow the installation to complete successfully.

Helpful Guides:

How to Fix a Smart Socket That Isn't Updating

Feedback

★ ★ ★ ★ ★

We've just launched our new Lightwave installation manuals and would love to hear what you think!

Your feedback helps us improve our guides and provide better support, whether it's something you liked or something we could make clearer. It only takes a few minutes and really makes a difference.

Please click here to share your feedback

Thank you for helping us improve your Lightwave experience.