Wire-Free Smart Switch (LP52)

Λ/v LightwΛ/ve

Installation

If you plan to install this product yourself, please follow the instructions carefully to ensure the product is installed correctly, if in any doubt please consult our technical team or a Lightwave Pro.

It is important to install this product in accordance with these instructions. Failure to do so may void your warranty. LightwaveRF Technology Ltd will not be held responsible for any loss or damage resulting from not correctly following the instruction manual.

You will need

∿ Your Link Plus and smart phone

🪛 Suitable screwdrivers

In the box

🔳 Lightwave Wire-Free Smart Switch (2 Gang)

🔩 2 x UK Standard Back Box Screws

🔩 2 x Plasterboard Screws

🔲 2 x Plasterboard Wall Plugs

⬜ 1 x Double Sided Sticky Pad

Overview

The Wire-free Smart Switch communicates to other Lightwave devices by sending commands through the LINK PLUS hub. As with any other Lightwave device, it first needs adding to the Lightwave app ahead of building device automations. This is a key benefit over the 1st generation Connect Series wire-free switches, which could only mirror the functions of a separate wired device.
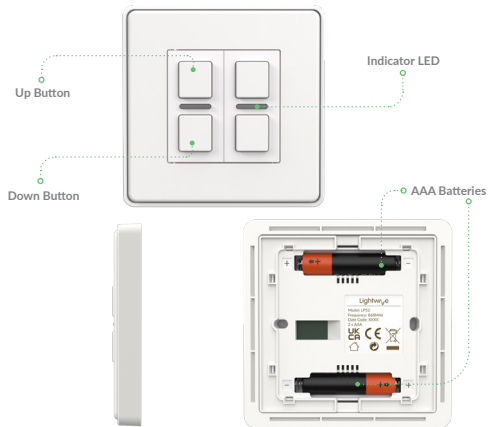
Applications

Using the Link Plus and Lightwave App, you can create custom automations for Lightwave devices. Automations provide a whole host of clever features, including timers, group actions, triggers and wireless 2-way switching. Find out more by exploring the Lightwave App.

Location

The Wire-free Smart Switch can be positioned anywhere within range of the Link Plus. To install it, we recommend that you mount the Switch to a standard plastic back-box or flat surface using suitable screws. If installing over an existing plastic back-box, any legacy wiring must be removed. WE DO NOT recommend installing over a metal back-box. Double sided sticky pads are also provided to attach the switch to a wall or flat surface.

PLEASE NOTE: The adhesive strip will provide a semi-permanent fixture. Damage to surface preparation such as plasterwork or wallpaper may occur upon removal.

Up Button

Down Button

Indicator LED

AAA Batteries

Specification

RF frequency:	Batteries:	RF Range:	Warranty:
868 MHz	2 x AAA	Up to 50m indoors	2 year standard warranty

We recommend using non-rechargeable alkaline batteries for the best performance

Help video & further guidance

For additional guidance, and to watch a video that will help guide you through the installation process, please visit the support section on **www.lightwaverf.com**.

Environmentally friendly disposal

Old electrical appliances must not be disposed of together with residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances. Please dispose of batteries responsibly.

⚠ **Warning**

This product contains AAA battery cells. Keep product away from children. Battery can cause severe or fatal injuries in 2 hours or less if swallowed or placed inside any part of the body. Seek immediate medical attention.

Carefully follow the instructions in this section in order to install the Wire-Free. For other advice, please contact our dedicated technical support team at **www.lightwaverf.com**

The easiest way to learn how to install the Lightwave Wire-Free Smart Switch is to watch our short installation video which is accessible at

https://lightwaverf.com/video-installation-guides/

There are multiple mounting methods to choose from when installing your Wire-Free Smart Switch.

- **Over an existing plastic back box**
  (we DO NOT recommend installing over a metal back box)
  Standard UK screws have been provided to install over a back box, any legacy wiring MUST be removed.

- **Wall mounted - permanent**
  In the box are 2 x plasterboard screws and 2 x wall plugs. Please ensure you use the correct tools to install the Wire-Free safely. Contact a Lightwave Pro for further help and support to install your Lightwave products.

- **Wall mounted - semi-permanent**
  Double sided sticky pads are also provided to attach the switch to a wall or flat surface. PLEASE NOTE: The adhesive strip will provide a semi-permanent fixture. Damage to surface preparation such as plasterwork or wallpaper may occur upon removal.

Automations

A home becomes a smart home when devices operate intelligently and autonomously. The Wire-Free can be setup to control lighting, power and heating throughout the home i.e Create moods and set different scenes (sequence of actions) with delays between each action. These can be created from the Link Plus app/web app and will store on the Link Plus itself. A stable internet connection is required for the automation to run.

Once the pairing process is complete, the Lightwave app will present two automation programming methods:

- **Mirroring**
  This method will allow a particular set of up and down buttons on the wire-free to replicate the functions and attributes of any other smart dimmer that already exists within your Lightwave system.
- **Custom Automations**
  Single Press: trigger any of the automations listed below with one press.
  Multi-Press: use two or more presses to trigger an automation. This allows you to trigger several different pre-set lighting scenes from a single up or down button on the wire-free.
  Long-Press: useful as a safety feature. Assign a long-press to any automation that you want to avoid triggering accidentally such as a master switch for your entire system or turning off your heating.

Types of automation:

- **Timer**
  When you would like a device to operate at a set time and on certain days, timers allow you to do this.
- **Schedule**
  A schedule is essentially an automation made up of lots of timers. 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 type of automation is the smartest as they work on a condition basis of another device. It is a requirement that if a physical device is operating as the trigger, it needs to communicate two-way as the Link Plus will need to know its status.
- **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**
  The most simple type of automation, which can be used to create moods/scenes. It works on-demand only, so requires execution via the Link Plus app or via Google Home or Alexa.

LED Indicator Lights

Blue/Red Alternate Flashing
Device in linking mode

Slow Red Flashing
Device already linked

Rapid Cyan Flashing
Firmware update in progress, do not interrupt

Slow Purple Flashing
Button pair locked

Rapid Yellow Flashing
Batteries are approaching their end of life, please replace batteries soon

Solid Green
(following a button press)
Single press confirmation

Solid Red
(following a button press)
Multi-press press confirmation

Solid Blue
(following a button press)
Long press confirmation

To be able to command the Wire-Free Switch, you will need to link it to the Link Plus. Please follow the in-app instructions which will explain how to link devices.

Using the Lightwave App, select the relevant device from the 'add device' section (the App instructions will guide you through this). The LED on the Wire-Free will flash cyan to confirm that it is linked to the App.

On the Wire-Free, press and hold down 'up' / 'down' button until the LED flashes blue and red alternately then release it. The Wire-Free is now in linking mode.

Using the Lightwave App, select the relevant device from the 'add device' section (the App instructions will guide you through this). The LED on the Wire-Free will flash cyan to confirm that it is linked to the App.

Unlinking the Wire-Free

To unlink the Wire-Free and clear the memory, enter linking mode by holding down both up/down buttons until the LED flashes red. Release the buttons, then hold the down button until the LED flashes rapidly to confirm that the memory has been cleared. On clearing the memory, automatic calibration will be initiated.

Locking the Wire-Free Switch

The Wire-Free can be 'locked' using the App so that the manual buttons will not operate it. If it is locked on, then the Wire-Free will ignore any further button presses. A locked Wire-Free is signified by a slow flashing purple LED. To lock/unlock the Wire-Free, press the 'lock' button on the Smartphone App. Clearing the memory will remove the lock. Please note, the Wire-Free lock will engage once the device is in its wake-up cycle.

Firmware updates

Firmware updates are over the air software improvements that keep your device up to date as well as providing new features. Updates can be approved from the app before being implemented, and generally take 2-5 minutes. The LED will flash blue in colour during an update. Please do not interrupt the process during this time.

Lightwave