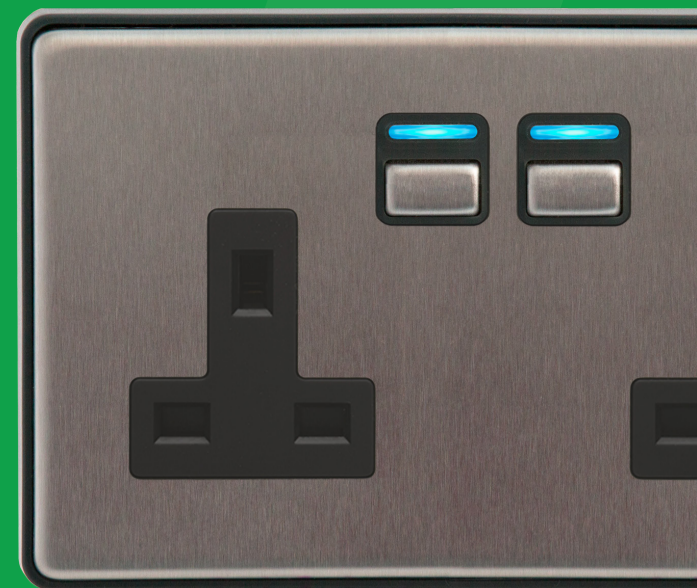


## Smart Socket

# Let's get started



Quick Start Guide  
Model No. L42

## Before you start

You will need

- A back-box with a minimum depth of 35mm
- Suitable electrical screwdrivers
- Knowledge of how to safely turn off/on mains electricity
- Your Link Plus, smartphone and socket

## Installing yourself?

Please note that all Lightwave products can be legally DIY installed in your own home; however, if in doubt, always consult a qualified electrician.

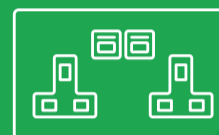
It is important to install this product in accordance with these instructions. Failure to do so may risk personal safety, could create a fire hazard and will also void your warranty.

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

## 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](http://www.lightwaverf.com)

## In the box



L42 Socket



Socket spacer

x2 Fixing screws

## Specification

**RF frequency:**  
868 MHz

**Input rating:**  
230V~ 50Hz.

**Output rating:**  
3,000W max

**Back Box Depth:**  
35mm min

**Standby Energy Use:**  
Less than 1W (per gang)

**Warranty:**  
2 year standard warranty

## Hints and tips

Get the best out of your install

### Back box and spacers

This Lightwave Smart Socket requires a 35mm deep back box in which to mount it. If you have a back box that is shallower than 35mm, then a Lightwave spacer can be used to provide up to 10mm of extra clearance from the wall.

### Range

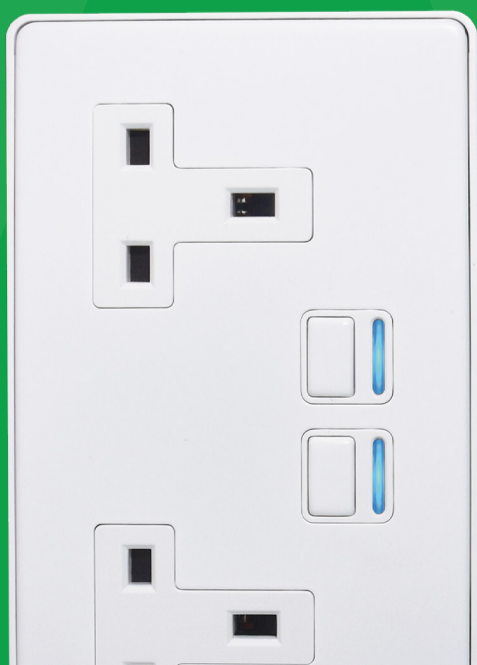
Lightwave Sockets should have an excellent communication range within a typical home, however, if you encounter any range issues, try to ensure that large metal objects or bodies of water (e.g. radiator) are not positioned in front of the socket or in between socket and the Lightwave Link Plus.

### Locking sockets

Lightwave Smart Sockets can be locked from the Lightwave App so that they cannot be operated manually. This is a great way help with family safety by ensuring that dangerous appliances cannot be turned on or off by small children.

### Automations

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.



## 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.



## EU Declaration of Conformity

**Product:** Dual Mains Socket  
**Model/Type:** L42  
**Manufacturer:** LightwaveRF

**Address:** Innovation Campus Birmingham, Faraday Wharf, Holt Street, Birmingham, B7 4BB

This declaration is issued under the sole responsibility of the LightwaveRF. The object of the declaration described above is in conformity with the relevant union harmonisation legislation.

Directive 2011/65/EU ROHS, Directive 2014/53/EU: (The Radio Equipment Directive)

Conformity is shown by compliance with the applicable requirements of the following documents:

**Reference and date:**  
EN301489-3 V1.6.1: (EMC),  
EN300220-2 V3.1.1 (RF),  
EN62479:2010 (RF Exposure),  
EN60669-2-5:2013 (Safety),  
BS1363-2:1995 (UK Safety)

**Signed for and on behalf of:**  
**Place of Issue:** Birmingham  
**Date of Issue:** 20th August 2017  
**Name:** John Shermer  
**Position:** CTO

# 1 Install the Socket

The easiest way to learn how to install the Lightwave Socket is to watch our short installation video which is accessible at

[www.lightwaverf.com/product-manuals](http://www.lightwaverf.com/product-manuals)

Carefully follow the instructions in this section in order to install the Socket. Please remember that live electricity is dangerous. Do not take any risks. If in any doubt, consult a qualified professional. For other advice, please contact our dedicated technical support team on 0121 250 3625.

## 1.1 Turn off the mains electricity supply

Turn off the mains power supply to your existing power circuit at the consumer unit.

## 1.2 Remove the existing socket

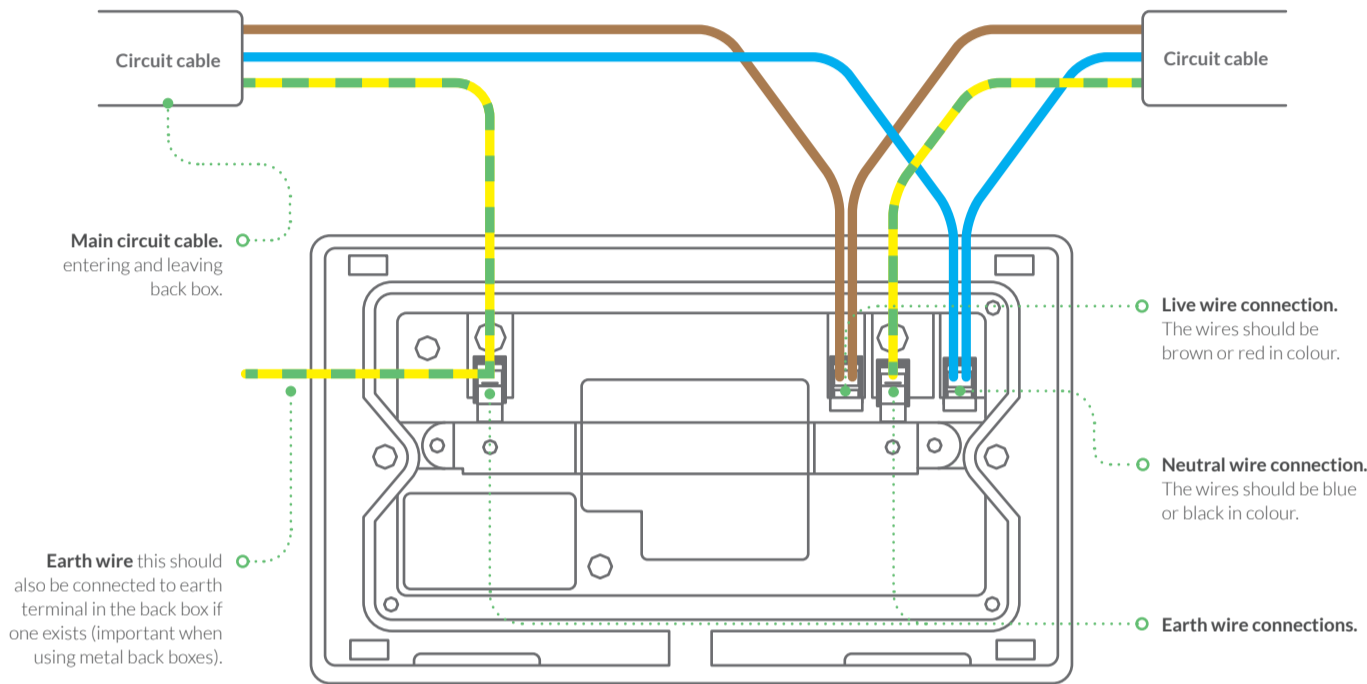
Unscrew the existing socket and remove the wires. It is often a good idea to take a quick photo of the existing wiring configuration. This can help you to remember which wires connect to which terminals if there are more than two, or if they are not distinctly labelled. The existing wiring should be colour coded and arranged as per the wiring diagram provided in these instructions, however, please be aware that not all existing wiring will conform to this standard and may differ.

## 1.3 Remove the faceplate

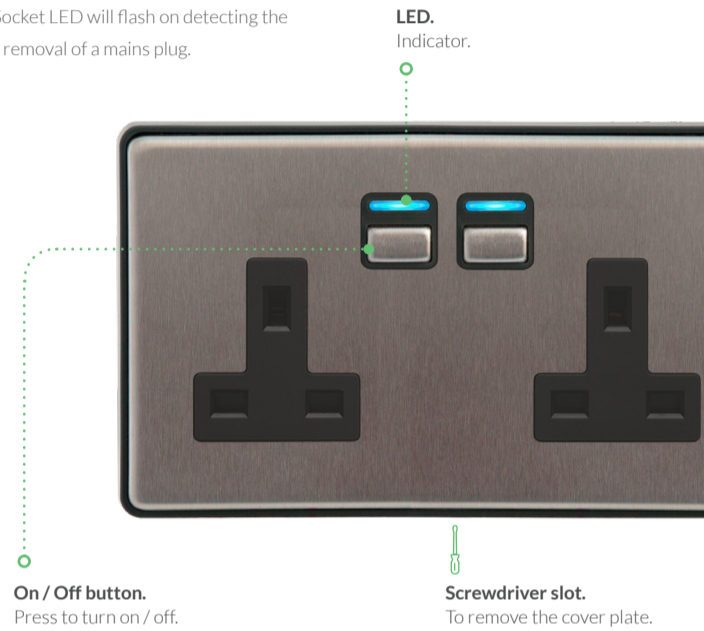
Remove the faceplate from the Lightwave Socket by carefully inserting a screwdriver into the small slot located at the bottom edge of the cover.

## 1.4 Wire the socket

Carefully wire the socket as shown in the diagram. Be aware that existing cables can vary in colour and may not always be correctly labelled. If in any doubt, always consult a qualified electrician. Replace the faceplate by hooking it onto the top edge of the Socket and clipping in the bottom.

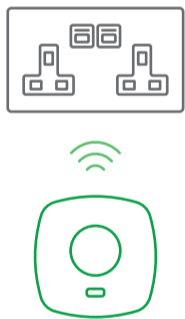


**Note:** The Socket LED will flash on detecting the insertion or removal of a mains plug.



# 2 Link the Socket

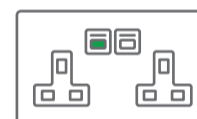
To be able to command the Socket, you will need to link it to the Link Plus.



Please follow the in-app instructions which will explain how to link devices.



On the Socket, press and hold down one of the 'on' / 'off' buttons until the LED flashes blue and red alternately then release it. The Socket 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 Socket will flash blue to confirm that it is linked to the App.



# 3 Other Socket functions

## Follow Lightwave

Visit [www.lightwaverf.com](http://www.lightwaverf.com) to discover the latest product updates and find out what else you can do with Lightwave products.

For advice, troubleshooting and technical support, please see [www.lightwaverf.com/support](http://www.lightwaverf.com/support)

## Unlinking the Socket (clear memory)

To unlink the Socket and clear the memory, enter linking mode by holding down the on/off button until the LED flashes red. Release the button, then hold it for a second time until the LED flashes red to confirm that the memory has been cleared.

## Locking the Socket

The Socket can be 'locked' using the App so that the manual buttons will not operate it. If it is locked on, then the Socket will not turn off manually. A locked socket is signified by a slow flashing magenta LED. To lock / unlock the Socket, press the 'lock' button on the Smartphone App. Clearing the memory will remove the lock.

## Changing the colour of the indicator LED

The colour of the LED indicator lights on the Socket can be changed or dimmed using the Lightwave App. See the App for more details.

## 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 cyan in colour during an update. Please do not interrupt the process during this time.

## Error reporting

A permanently flashing red LED indicates that a software or hardware error has been encountered. Press the on/off button to reset the indicator LED. If the error light persists, please contact Lightwave support via [www.lightwaverf.com/support](http://www.lightwaverf.com/support).