Your life Connected, Your life Smarter
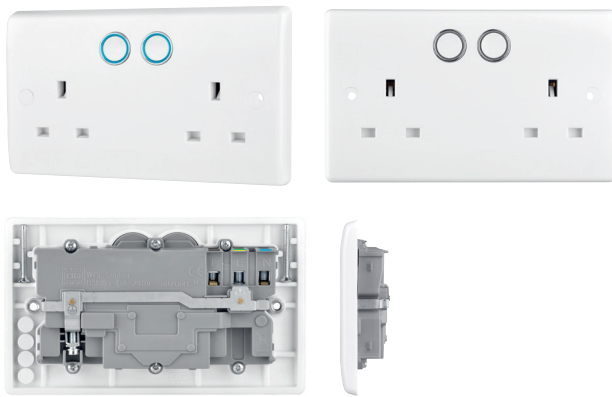
Features & Benefits

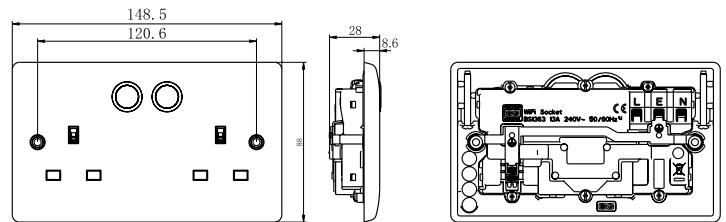### Smart Power Socket, Double Switched 13A, White Moulded - Slim Profile

Innovative Home Automation system from BG.
Control your connected devices from anywhere.
Your life connected, Your life smarter.

- Control and schedule power in the home or outside via touch, voice commands or APP.
- No expensive gateway hub unit, no expensive cloud costs, or subscriptions.
- BG Home App availale to download from App Store or Google Play
- Set timer schedules, countdown function or random security options
- Compatible with Google Assistant, Amazon Alexa, Siri Shortcuts and IFTTT for smart home integration
- Quick and easy set-up, with in-App support.
- Individual socket control.
- Socket retrofittable into 25mm boxes.

Product Images

Line Drawings

822/HC-01

Techncial Specifications

Standard(s)	Low Voltage Directive 2014/35/EU
	BS1363-2 : 2016 + A1:2018
	EN 60669-2-1 : 2004 + A1:2009 + A12:2010
	RED & EMC
WEEE Directive	Yes
RoHS Directive	Yes
Rating	13 Amp 240V ~
Contact Gap	3.0mm minimum
Switch Type	Single Pole
Terminal Capacity - L & N	3 x 2.5mm², 3 x 4.0mm² & 2 x 6.0mm²
Mounting Box Depth (Min)	25mm
Fixing Centres	120.6mm
Stand-by Power	<0.3W
Working Condition Temp	-20 - +85°C (For WiFi module)

Wireless Specifications

Connection Protocol	WiFi (Fast Con)
Wireless Frequency	2.4GHz
Wireless IEEE Standards	IEEE802.11b/g/n
Security Type	WAP/WAP2
	Encryption standard:
Security Mechanism	Open/WEP-Open/WPA/WPA2
	Encryption algorithm:
	WEP64/WEP128/TKIP/AES

Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
822/HC-01	WH NX 13A 2G SW SKT HC	Box	Box	Carton	1	5	50	5050765177542	5050765177597	5050765177603

Weights & Dimensions

Cat No.	Description	Dimension (W x H x D) cm			Weight (Kg)			CBM (m3)
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
822/HC-01	WH NX 13A 2G SW SKT HC	14.9 x 8.8 x 2.8	17.8 x 16.7 x 15.7	90.1 x 18.6 x 32.8	0.24	1.29	13.56	0.055

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Safety Warning

For your safety, this product must be installed in accordance with local Building Regulations. If in any doubt, or where required by the law, consult a competent person who is registered with an electrical self-certification scheme. Further information is available online or from your Local Authority. **INDOOR USE ONLY.**

Please read carefully and use in accordance with these safety wiring instructions. Before commencing any electrical work ensure supply is switched off at the mains. Either by switching off the consumer unit or by removing the appropriate fuse. Wiring should be in accordance with the latest edition of IEE regulations (BS 7671). To prevent fire hazard always use cable of the correct rating, size & type for the application.

Any bare earth wires must be covered with the appropriate green/yellow sleeving.
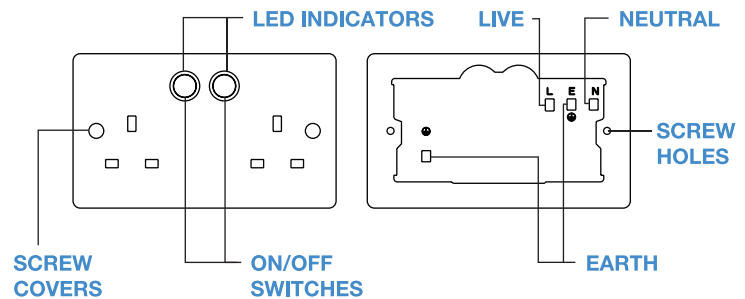
Warning do not exceed the load rating of this device as stated on rear of the product.

If in doubt always consult a competent electrician.

1. Power Off

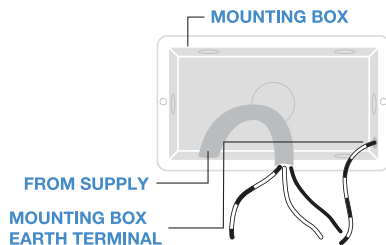Before commencing work always isolate the power at the consumer unit / fuse box.

Product Overview

LED INDICATORS LIVE NEUTRAL
SCREW HOLES
SCREW COVERS ON/OFF SWITCHES EARTH

2a. Replacing an existing socket(removal)

1. Unscrew the socket from the wall/mounting box.

2. Note the cable connections: There will generally be three different wiring configurations, this illustration shows a single wire of each colour conn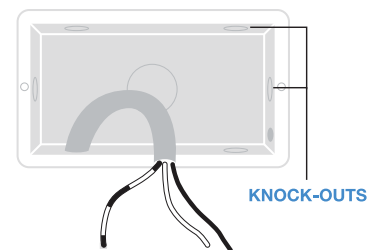ected to each terminal (there could be two or three wires of each colour connected to each terminal) + an additional connection between the mounting box earth terminal and the socket earth terminal.

3. Unscrew each terminal to release the wires.

- ▭ EARTH = Green & Yellow sleeving
- ▭ NEUTRAL = Blue (Black pre Apr 04)
- ▬ LIVE = Brown (Red pre Apr 04)

MOUNTING BOX
FROM SUPPLY
MOUNTING BOX EARTH TERMINAL

2b. New installation

1. Install mounting box (metal or patress) for either flush or surface mounting, ensuring appropriate size of product. (Mounting box to be purchased seperately)

2. Select the most suitable entry point of the mounting box (knock-out) and route the supply cable through.

3. Cables should be prepared so a sufficient conductor length reaches the terminals. Strip the ends of the individual conductors leaving an adequate length bare to enter terminals.

- ▭ EARTH = Green & Yellow sleeving
- ▭ NEUTRAL = Blue (Black pre Apr 04)
- ▬ LIVE = Brown (Red pre Apr 04)

KNOCK-OUTS

3. Wire up your socket

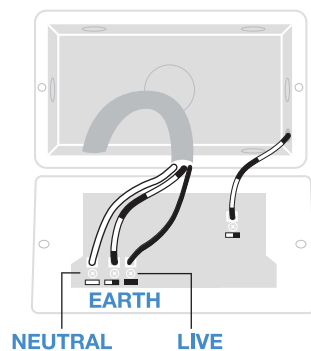1. Line up the new socket to mounting box and take note of where each terminal is located.

2. Connect each wire to the matching terminal. (Refer to key in step 2)

An earth connection should always be made between the mounting box earth terminal and the socket earth terminal.

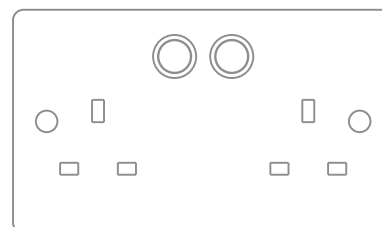Make sure no cooper wire is exposed & that only the bare end enters the terminal.

3. Tighten terminal screws securely. (Do not over tighten)

EARTH
NEUTRAL LIVE

4. Complete the installation

1. Carefully position the accessory into the mounting box, ensuring that no wires are trapped between the plate and the wall and secure with screws (do not over tighten) then set screw covers in place (optional).

ON

2. Once the installation has been completed correctly, replace the fuse for the circuit, switch the power back on at the consumer unit and test.
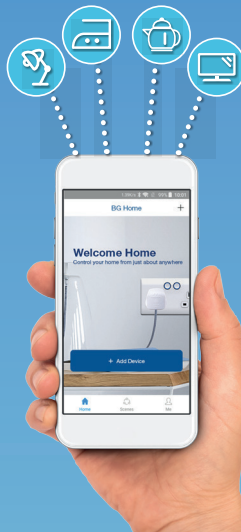
ENVIROMENTAL PROTECTION

Electrical products should not be disposed of with your general household waste. Some chemicals contained within electrical products can be harmful to health and the environment. Only dispose of the items in seperate colletion schemes which can cater for recovery and recycling of materials contained within. Your co-operation is vital to ensure the protection of the environment.

Your life Connected, Your life Smarter

Take control of your power from anywhere

Control your Power by:

Mobile   Voice   Touch

Use with the **BG Home app**

GET IT ON Google Play

Download on the App Store

Compatible with: Works with Siri Shortcuts | Works with IFTTT | WORKS WITH alexa | works with Google Assistant

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1. Install the BG Home App

Download the BG Home App for your Android or iOS device.

GET IT ON Google Play
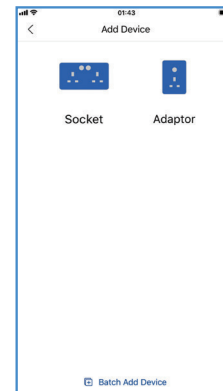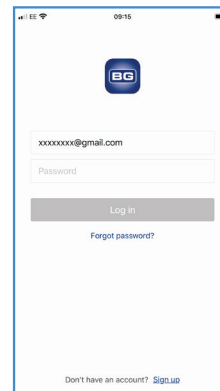
Download on the App Store

Scan the QR code below   Scan the QR code below

2. Account creation

Follow the on-screen advice to set-up an initial account

If you have a BG Home account already skip to "Add Device"

Device Setup

Press and hold button for 5 seconds. The adaptor will then enter Wi-Fi configuration mode and the indicator illuminated **RED flashing quickly**.

Once set up your mobile device will indicate a successful connection and the Red indicator on the socket will turn off.

You can now plug in the device you would like to control.

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3. Socket setup
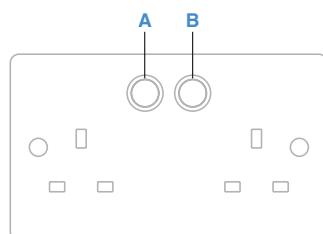
On the App select **'Add device'**

Ensure that your Smart Socket is connected to the power supply as per the 'Wiring Instructions' supplied. After the initial power up both switch LED indicators will illuminate **RED** and start to blink and the socket will be ready for setup.

Socket Setup

Press and hold button A for 5 seconds. The socket will then enter Wi-Fi configuration mode and the indicator illuminated **RED flashing quickly**.
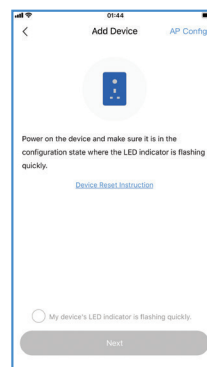
Once set up your mobile device will indicate a successful connection and the Red indicator on the socket will turn off.

3. Adaptor setup

On the App select **'Add device'**

Ensure that your Smart Adaptor is connected to the power supply. After the initial power up the switch LED indicator will illuminate **RED** and start to blink and the adaptor will be ready for setup.
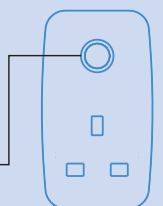
Adaptor Setup

Power control on the adaptor can be manual or 'smart'

The power button will illuminate **BLUE** for ON

POWER BUTTON

You can now plug in the device you would like to control.

If these setup procedures fail, follow the "AP Config" setup and the step by step instructions on the App.
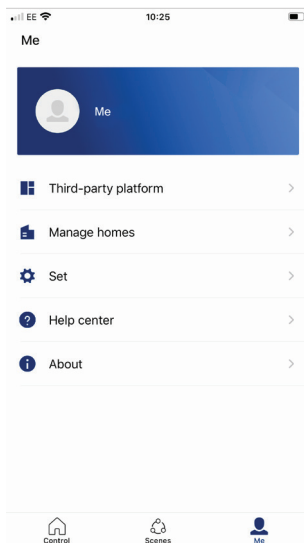
Connecting Additional Smart Devices

To connect additional BG Home Smart Devices, please follow the steps below:

1. Connect and power up the device

2. Press and hold the power button until the **RED LED flashes quickly**

3. Go to the BG Home app and 'Add Device'

4. Once found and connected name the device accordingly

Repeat for all additional BG Home Smart Devices.

Additional Support & FAQs

For additional support and FAQs please view the '**Me**' section of the BG Home App.

Third Party Control Overview

If you're new to Echo, it's a super smart speaker from Amazon that responds to your voice.

Once you've bought Amazon Echo and downloaded the BG Home App, you'll just need to enable....

1. Enable the BG Home App
In your Alexa app, tap Skills in the menu and search for BG Home. Tap Enable.

2. Link Account
Enter your BG Home App username and password and follow the onscreen instructions.

3. Talk to Alexa
Now the fun part. Ask Alexa to control your BG Smart Home device.

*Alexa skill only available in Amazon Alexa UK store

Now you can use Google's voice-activated speaker to control your Smart Home sockets and adaptors. With the Google Assistant, you can turn on your lights without pressing a button!

1. Setup
Start by getting the Google Home app and setting up your Google Home if you have not done this already.

2. Add BG Smart Home Action
In the Google Home app tap the menu icon and select Home Control. Then tap the + button to see a list of Actions tapping BG Home to select the Action.

3. Link your BG Home Account
Now follow the in-app instructions to link your BG Home App account. Once complete you'll be able to say 'Ok Google, turn my lamp on'.

IFTTT helps you connect all of your different apps and devices.

1. Use Applets and widgets to make device operation quicker and smarter.

2. Use geo-location to turn devices on or off as you approach and leave home.

3. Use weather services to turn devices on or off at sunrise and sunset.

4. Synchronise your sockets and adaptors with smart home devices from other companies.

If you're an iOS device user, you can control your devices using your iPhone, iPad or Apple Watch.

Stuck? Confused?
Contact our Technical Support team on:
T: +44 (0)3300 249 279 or +44 (0)1952 238 128
E: technical.support@bgelectrical.co.uk
Lines are open Mon - Fri (08:30 - 17:00)