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› **British General** /

› Instruction Manual for BG Electrical Double Switched Power Wall Plug Socket with Super Fast Charge Type A & Type C USB Ports

British General NFB22UAC45B-01

Instruction Manual

BG ELECTRICAL DOUBLE SWITCHED POWER WALL PLUG SOCKET WITH SUPER FAST CHARGE USB PORTS

Model: NFB22UAC45B-01 | Brand: British General

1. Introduction

This manual provides essential information for the safe installation, operation, and maintenance of your BG Electrical Double Switched Power Wall Plug Socket (Model: NFB22UAC45B-01). This product features two 13A switched sockets, one USB Type-A port, and one USB Type-C port, offering super-fast charging capabilities for compatible devices. Its sleek matt black finish and integrated USB charging eliminate the need for bulky adapters, providing a modern and efficient power solution.



Figure 1: BG Electrical Double Switched Power Wall Plug Socket (NFB22UAC45B-01)

The image displays the front of the matt black double wall socket. It features two standard 13A plug sockets, each with an individual switch. In the center, between the two main sockets, are a USB Type-C port (top) and a USB Type-A port (bottom). Markings indicate 45W (5-20V, max 3A) for the Type-C port and 30W (5-12V, max 3A) for the Type-A port. The overall design is sleek with rounded corners.

2. Safety Information

WARNING: Electricity can be dangerous. This product must be installed by a competent person in accordance with the current IEE Wiring Regulations (BS 7671) and all applicable building regulations. If in doubt, consult a qualified electrician.

- Always isolate the mains power supply before commencing any electrical work.
- Do not install in damp or wet conditions.
- Ensure all connections are secure and correctly wired.
- Do not overload the socket. Refer to the specifications for maximum load.
- Keep out of reach of children.
- This product is designed for indoor use only.

3. Package Contents

- 1 x BG Electrical Double Switched Power Wall Plug Socket (NFB22UAC45B-01)
- Fixing Screws

4. Product Features

- **Sleek Design:** Matt black finish with softly rounded corners, black inserts, and colour-matching fixing screws for a modern aesthetic.
- **Super Fast USB Charging:** Features both USB Type-A (30W) and USB Type-C (45W) ports with variable voltage

technology.

- **Intelligent Charging:** Automatically adjusts voltage to provide optimal power to devices and activates standby mode to prevent overcharging once fully charged.
- **Easy Installation:** Conveniently angled in-line colour-coded captive screw terminals simplify wiring.
- **Moisture Protection:** Fixed integrated plastic gasket protects metal edges from moisture, with no visible plastic around the switches.
- **Universal Compatibility:** Supports various charging protocols (e.g., PD & QC) for a wide range of USB devices, from smartphones to laptops.

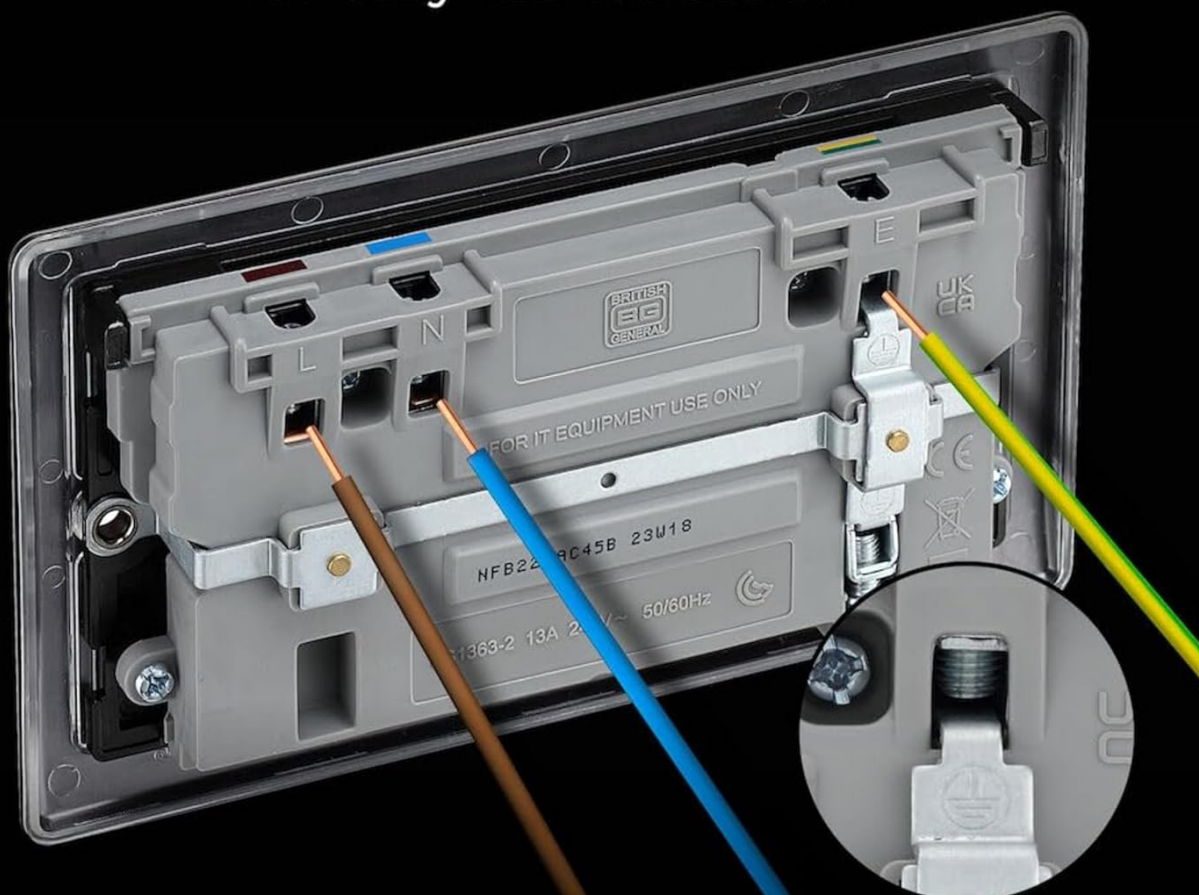
5. Setup and Installation

Installation should only be carried out by a qualified electrician or competent person. Ensure the mains power supply is isolated at the consumer unit/fuse box before proceeding.

1. **Prepare the Wiring:** Carefully strip the insulation from the live (brown), neutral (blue), and earth (green/yellow) wires to the appropriate length for the terminals.
2. **Connect the Wires:**
 - Connect the **Live (L)** wire to the terminal marked 'L'.
 - Connect the **Neutral (N)** wire to the terminal marked 'N'.
 - Connect the **Earth (E)** wire to the terminal marked 'E'.

Colour Coded Terminals

for easy identification



Retained screws
simply slot wires into place and screw down

Figure 2: Colour-Coded Terminals for Easy Wiring

This image shows the rear of the socket with the transparent backplate removed, revealing the internal wiring terminals. The terminals are clearly marked L (Live, brown wire), N (Neutral, blue wire), and E (Earth, green and yellow wire). The design features retained screws, allowing wires to be easily slotted into place before tightening.

3. **Secure the Socket:** Once wired, carefully push the socket into the wall box (minimum 25mm deep back box recommended for retro-fit). Use the provided fixing screws to secure the socket to the wall box.
4. **Restore Power:** Once installation is complete and all connections are checked, restore the mains power supply at the consumer unit/fuse box.

Sleek and Slim

premium metal with rounded edges



Fits a 25mm back box
ideal for retro fit

Figure 3: Slim Profile and Back Box Compatibility

The image illustrates the slim profile of the socket when installed, demonstrating how it fits flush against the wall. A transparent diagram of a 25mm back box is overlaid, indicating that the socket is designed to fit this standard size, making it suitable for both new installations and retrofitting.

6. Operating Instructions

This socket provides both standard 13A power outlets and integrated USB charging ports.

- **Using the 13A Sockets:**

Insert your appliance plug into one of the 13A sockets. Use the corresponding switch to turn the power on or off. The switches control the power to the 13A outlets only; the USB ports are independently powered.

- **Using the USB Charging Ports:**

Connect your USB-A or USB-C compatible device charging cable to the respective port. The intelligent charging feature will detect your device and deliver the optimal power required, up to 45W for USB-C and 30W for USB-A. Charging will automatically stop or enter standby mode once the device is fully charged to prevent overcharging.

Fast, Smart USB Charging

with variable voltage technology



Only delivering the power a device needs,
never over-charging

Figure 4: Fast, Smart USB Charging in Use

This image shows the matt black wall socket installed in a kitchen setting, with a laptop connected and charging via the USB-C port. The text highlights "Fast, Smart USB Charging with variable voltage technology" and "Only delivering the power a device needs, never over-charging," illustrating the intelligent charging capabilities.



Figure 5: Universal USB Compatibility

The image displays a range of electronic devices, including smartphones (Google Pixel, Samsung, iPhone), an Apple Watch, and a laptop, all positioned around the text "Universal Compatibility supports PD & QC charging protocols." This visually confirms the socket's ability to charge a wide array of USB-powered devices using its 45W USB A+C ports.

7. Maintenance

To maintain the appearance and functionality of your socket:

- Ensure power is off before cleaning.
- Wipe the surface with a soft, dry cloth. Do not use abrasive cleaners, solvents, or polishes as these may damage the finish.
- Do not allow liquids to enter the socket or USB ports.

8. Troubleshooting

- **No Power to 13A Sockets:**
 - Check if the individual switch on the socket is in the 'ON' position.

- Verify that the mains power supply to the circuit is active at the consumer unit/fuse box.
- Ensure the appliance plug is fully inserted.

- **USB Ports Not Charging:**

- Ensure the USB cable is fully and securely inserted into both the device and the socket's USB port. Some USB-C cables may require a firm connection.
- Try a different USB cable to rule out cable fault.
- Test with a different device to confirm the issue is not with the device itself.
- Confirm the device is compatible with USB charging and its power requirements are within the socket's output capabilities (45W USB-C, 30W USB-A).

- **Socket Feels Loose in Wall:**

- **WARNING:** Isolate power before attempting to tighten screws.
- Carefully tighten the fixing screws. If the issue persists, the wall box may be damaged or incorrectly installed, requiring professional attention.

9. Specifications

Attribute	Value
Model Number	NFB22UAC45B-01
Brand	British General
Type	Double Switched Wall Socket with USB A & C
Colour	Matt Black
Material	Metal
Voltage	240 Volts
Wattage (Total)	3120 watts (for 13A sockets)
USB-C Output	45W (5-20V, max 3A)
USB-A Output	30W (5-12V, max 3A)
Product Dimensions	14.6 x 8.6 x 0.1 cm
Item Weight	200 g
Minimum Back Box Depth	25mm (recommended)

10. Warranty and Support

BG Electrical products are manufactured to the highest standards and are guaranteed against faulty materials and workmanship for a period of **10 years** from the date of purchase. This warranty covers defects arising from faulty materials or workmanship only. It does not cover damage caused by improper installation, misuse, accidental damage, or normal wear and tear.

For returns, the product typically has a **30-day return policy** from the point of purchase, subject to the retailer's terms and conditions.

For technical support, warranty claims, or further assistance, please contact British General customer service. Refer to

the official British General website for contact details.



Figure 6: British General - Over 80 Years Experience

This image features the British General logo alongside text indicating "80 Years in the Electrical Industry," highlighting the brand's long-standing experience and reputation in the field.