

Instructions for :  
**13A Switch Socket  
with USB Charger**  
GGBGU30102USBAS  
GGBGU34102USB\*\*\*

AR1939 Ed B

**Ultimate**

**FITTING INSTRUCTIONS FOR FLAT PLATE ACCESSORIES**

Read these instructions fully before commencing work and retain them for future reference.

**SAFETY INSTRUCTIONS**

These accessories are to be installed in accordance with the current edition of the IEE Wiring Regulations (BS 7671: Requirements for Electrical Installations) and appropriate statutory regulations.

In the Republic of Ireland the installation must be in accordance with the ETCI National Rules for Electrical installations – ET 101.

**NOTE: IF YOU ARE IN ANY DOUBT ON HOW TO PROCEED, CONSULT A QUALIFIED ELECTRICIAN**

1. Switch OFF the mains supply and remove the appropriate fuse or switch off the appropriate circuit breaker before commencing installation. Ensure that no one else has access that would enable the supply to be inadvertently reconnected.
2. Remove the existing accessory from the wall (if using the new accessory to replace an old one).
3. Remove any plaster debris and dust from the inside of the mounting box (wall box). Ensure that the heads of any box fixing screws do not protrude into the box.

4. For the best mounting results and visual appearance, it is recommended that prior to installation, the mounting surface beneath the accessory frontplate is first prepared to ensure that it is flat and all high spots have been removed.

5. Certain accessories may require that the top and bottom lugs in 1 gang, 4 lug boxes, are bent inwards and out of the way to ensure the correct installation within the box.

6. Always use cable of the correct rating and type.

7. For screwless accessories remove the clip-on frontplate by inserting a small screwdriver into each of the two slots on either side of the plastic frame, and gently prise off.

8. Sockets can be installed using wall boxes with a minimum depth as specified below:

1 gang: 35mm (25mm with mounting spacer supplied)

Always use cable of correct rating and type.

9. The socket can either be connected to a ring main circuit, in which case there will be a pair of twin and earth cables entering the box, or on a spur, which will only have one twin and earth cable entering the box.

8. The layout of the terminal connections may differ between fittings, carefully check the location of the terminal connections before wiring.

9. Strip the insulation from the Live and Neutral supply cables and connect the Brown (or Red) wire(s) to the terminal marked 'L' and connect the Blue (or Black) wire(s) to the terminal marked 'N'.

10. Connect the earth wire(s) from the supply cable(s) to the earth terminal on the rear of the socket, and then connect a short length of wire from the socket earth terminal to the earth terminal in the wall box. If the earth wires are bare, they should be sheathed with a length of green/yellow sleeving.

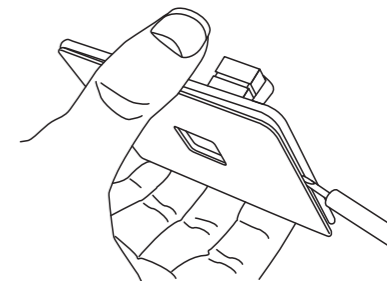
11. Ensure all the terminal screws are tightened firmly and are clamped on the copper conductors of each wire and not on the insulation.

10. Locate the socket against the wall in front of the wall box, ensuring that the supply cables are not trapped by the front plate or within the wall box. Using the fixing screws provided, attach the socket to the wall box. Ensure the fixing screws are tightened securely.

13. For screwless accessories, ensure that the plastic moulded frame is correctly fitted and then replace the front plate by clipping back in place.

14. Replace the appropriate fuse or switch on the appropriate circuit breaker. Switch on the mains isolator switch.

**THIS USB CHARGER IS PERMANENTLY CONNECTED EQUIPMENT.** The circuit should therefore incorporate a readily accessible means for safely isolating the charger when required.



**IMPORTANT:** These instructions are applicable to installations within the UK and Eire. Please observe the following wiring conventions;

**EIRE:** Twin & Earth Cable Brown = Live  
Flexible Cable Blue = Neutral

**UK:** **IMPORTANT NOTICE: Wiring Colour Changes**

As from 1st April 2004 new installations could be wired using the new EU Harmonised Colours for the supply conductors of twin and earth cable:

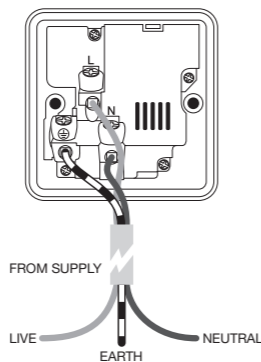
<b>NEW COLOURS</b>	<b>OLD COLOURS</b>
<b>Brown = Live</b>	<b>Red = Live</b>
<b>Blue = Neutral</b>	<b>Black = Neutral</b>

The old colours ceased to be used after 1st April 2006.

Flexible cable colours remain unchanged;

**Brown = Live**  
**Blue = Neutral**

**WIRING DIAGRAM - 1 gang**



**NOTE**

The USB connector is used for charging devices only, such as smart phones, tablets, cameras etc. When only one device is connected to a USB connector the total output current of 2.1A is available from either two USB connector and when two devices are connected, the total rated current of 2.1A is divided between the two USB connectors.

The USB charging circuit within this device has both short circuit and overload protection. If the device is overloaded or short-circuited, the electronic circuit will limit or disconnect the output power to protect against damage or overheating. Once the fault has been cleared the circuit will re-set and power on automatically.

Some earlier model mobile phones and devices are not suitable for direct charging from a USB type charger and may not charge when connected to this product. These devices will require their own dedicated charger. Please check with your phone or device supplier for more information.

It is normal for the front surface of this product to become warm in use.

**DO NOT MEGGER TEST** this product as this could result in damage to the internal electronic components.

**TECHNICAL SPECIFICATION**

Input Voltage	220-240 Vac
Frequency	50/60Hz
Output Voltage	5.0Vdc
Output Current	2.1A Total (shared between both USB connectors)
Output Power	10.5W
Average Active Efficiency	82.7%
Efficiency at Low Load (10%)	77.9%
No Load Power	0.01%
Output Connector	USB 2.0 Type A

**Important Information**

This Product falls within the scope of the Waste Electrical & Electronic Equipment Directive 2002/96 EC (WEEE).



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# Folding Guide

Fold 1

Fold 2

Fold 3

Fold 4

Fold 5

