

Instructions for :  
**2 Module USB Charger**  
GGBL70043  
GGBL70042\*\*\*

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**Lisse**

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.

**IMPORTANT NOTICE - WIRING COLOUR CHANGES**

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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**

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.

**INSTALLATION**

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

**New colours**      Brown = Live      Blue = Neutral  
**Old Colours**      Red = Live      Black = Neutral

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

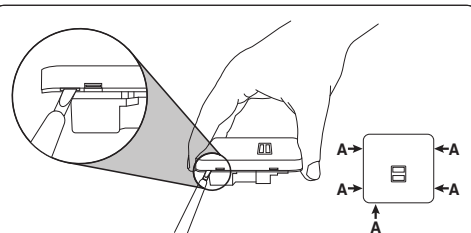
**Flexible cable colours remain unchanged:**

Brown = Live      Blue = Neutral

**Eire conductor colours for twin and earth cable and flexible cable:**

Brown = Live      Blue = Neutral

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**SOCKETS WITH SCREWLESS DECORATIVE METAL FRONTPLATES**

Remove the clip-on frontplate by inserting a small screwdriver alternatively into the small slots (A) on the sides of the frontplate and gently prise off.

Once the socket is installed replace the screwless frontplate by clipping it back in place. **Do this before reconnecting to the mains power.**

To keep decorative metal frontplates clean, occasionally wipe the frontplate with a clean soft cloth. Do not use any form of cleaning agent as this could damage the decorative finish.

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**TECHNICAL SPECIFICATION**

Input Voltage	220 - 240 Vac
Frequency	50/60 Hz
Output Voltage	5.0Vdc
Output Current	3.1A Max. Output from only one USB connector - 2.1A
Output Power	15.5W
Average Active Efficiency	86.6%
Efficiency at Low Load (10%)	84.7%
No Load Power	0.02W
Output Connector	USB Type A
Terminal Capacity	3 x 2.5mm <sup>2</sup> Conductors

**Important Information**

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



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- This USB charger is permanently connected equipment. The circuit should therefore incorporate a readily accessible means for safely isolating the charger when required.
- Always use cable of correct rating and type.
- Strip the insulation from the Live and Neutral supply cables to expose approximately 8-9mm of copper conductor.
- On the rear of the USB charger, 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".
- Connect the earth wire(s) from the supply cable(s) to the earth terminal on the rear of the USB charger, and then connect a short length of wire from the USB charger 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.
- Ensure all the terminal screws are tightened firmly and are clamped on the copper conductors of each wire and not on the insulation.
- Locate the USB charger against the wall in front of the wall box, ensuring that the supply cables are not trapped by the

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- front plate or within the wall box. Using the fixing screws provided, attach the USB charger to the wall box. Ensure the fixing screws are tightened securely.
- Replace the appropriate fuse or switch on the appropriate circuit breaker. Switch on the mains isolator switch.

**Notes:**

- The USB charger must not be installed in bathrooms, wet-rooms or any location subject to water splashing or condensation.
- The USB connector is for charging devices only; such as smart phones, tablets, cameras etc. When only one device is connected to either of the two USB connectors, each can provide a maximum output of 2.1A. When two devices are connected, the total rated output current of 3.1A is divided between the two USB connectors, with only one providing a maximum output of 2.1A.
- The USB charging circuit within this device has both short circuit and overload protection. If the device is overloaded or

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