

**12V TRICKLE CHARGER
INSTRUCTIONS**



**IMPORTANT Read these instructions fully before using the appliance.
Retain these instructions for future reference.
Pictures may vary slightly from actual product.**



Warning:

Always attach the crocodile clips to the battery prior to plugging into the mains power supply.

This trickle charger does not have reverse polarity protection. Incorrectly connecting the battery whilst the plug is connected to the mains power supply will cause irreversible damage to the charger and may damage the battery.

Note this trickle charger is not intended to charge a flat battery quickly. It could take anything from 60 to 100 hours depending on amp hours of the battery. The plug unit may get warm during the charging process, this is normal.

Warning! Do not attempt to start the vehicle with the charger connected, this may damage the trickle charger and/or the battery. This unit is not fitted with any indication of battery condition or charge. It will therefore not indicate when the battery is fully charged or automatically switch off when it is.

Connecting the Charger to the Battery:

Always connect the positive charging lead (RED) to the positive post of the battery (marked + / +ve or P) first.

For batteries still installed in the vehicle: **Note**, do not use an extension lead and stand the charger in the engine bay. Connect the negative charging lead (BLACK) to the vehicle chassis, well away from the battery, fuel line, hot or moving parts. Once the clips are connected to the battery plug the trickle charger into the power supply.

For Batteries Removed from the Vehicle:

Always connect the positive charging lead (RED) to the positive post of the battery (marked + / +ve or P) first.

Connect the negative charging lead (BLACK) to the negative post of the battery (marked - / -ve or N).

After connecting the clips, rotate them slightly so as to remove any dirt or oxidization, ensuring good contact.

Once the clips are connected to the battery plug the trickle charger into the power supply.

If the power socket has a switch turn it on.

Disconnection

Switch off the mains supply and unplug the charger.

Disconnect the clips, Negative (BLACK lead) -ve first, followed by the Positive (Red lead) +ve.

If the battery has been removed for charging, replace it and re-connect the cables.

Returns and Warranty

Should your appliance not work or is damaged when you first take it out of the carton, return it to the retailer with the packaging and proof of purchase.

Read these instructions carefully, failure to comply could damage the appliance and may render any actual or implied guarantee void. Keep this manual for further reference.

Rated Power Input: 230V-240V

Rated Output: 12V 500mA when connected to a battery (Offload approximately 20 Volts)

Class: II



Precautions and Safeguards

When using electrical appliances, basic precautions need to be followed at all times to reduce the risk of fire, electrical shock and injury.

- Ensure the power source conforms to the electrical requirements of the appliance.
- Use this electrical appliance as described in this manual, any other use is not recommended by the manufacturer and could have a detrimental effect on the durability of the appliance and/or the safety of the user.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capability has or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not touch or play with the appliance.
- The warnings, precautions, in this instruction manual, cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors, which cannot be built into this product but must be supplied by the operator.
- The appliance must not be used in potentially dangerous locations such as flammable, explosive, chemical-laden or where petrol or flammable liquids are used or stored.
- Never operate the appliance after the appliance malfunctions or the unit is damaged in any way.
- Do not use any attachments or accessories other than those supplied with the appliance.
- This product is not for commercial use.
- Keep away from water and moist environments.
- This product is not a toy. Keep away from children.
- Keep out of direct sunlight.
- Do not disassemble, adapt or alter the product. There are no serviceable internal parts.
- Clean with a dry cloth, do not use liquids or detergents.
- Remove jewellery when using this product.
- Never touch the red and black clips together, this will cause a short circuit and may damage the appliance.
- This product is a trickle charger, not a float charger, do not keep it permanently connected.

Battery Safety

Lead-acid batteries can be very dangerous. Batteries can generate flammable gases during the normal charging operation. Carefully read the warnings below.

- Read the warnings on the battery and the vehicle for model-specific instructions.
- This charger is intended to be used on lead-acid batteries, any other type of batteries may cause damage to the charger or battery. If unsure of the battery type contact the supplier of the battery for confirmation.
- Never allow the positive (+) and negative (-) terminals on the battery to connect together.
- Ensure adequate ventilation when charging to ensure that gases can escape.
- Do not charge the battery in freezing conditions.
- Wear eye protection and protective gloves when working with lead-acid batteries.
- Ensure the battery is in good condition and clean before charging. This can be checked using the battery manufacturer's instructions.
- If the battery will not hold a charge have it checked by a garage, the battery may need replacing.
- If the battery swells, smokes or expels any substances, disconnect the power to the charger if safe to do so and leave the area immediately.
- Ensure that the car is switched off, the key out of the ignition and the engine is cool.
- Most cars are 'negative grounded' which means that the chassis of the car is grounded to the negative terminal of the battery. Refer to your manufacturer's instructions to check. These charging instructions are for a negative grounded battery.

If you have any questions, contact us via email at helpline@blackspur.com or our customer service number **01473 833222** between the hours of 8am and 4pm Monday to Friday.

**For your records and guarantee purposes, attach your sales receipt to this manual
(Staple sales receipt here)**



EU Declaration of Conformity
In accordance with EN ISO 17050-1:2010



Model number: BB-JS206

Declaration number: 2019206

Manufacturers reference number: JS206

Product: 12V Trickle Charger

Description: This trickle charger is suitable for most 12V automotive lead-acid batteries with a 500mA constant output. It comes fitted with insulated crocodile clips & 1.6m cable wire (approx.).

Authorised representative / Importer:

Hamble Distribution Ltd,
15 Ashley Street,
Glasgow, G3 6DR.

This declaration of conformity is issued under the sole responsibility of Hamble Distribution Ltd.
Hamble Distribution Ltd hereby declares that the product identified above meets the requirements of the following EC Directives and harmonized standards. Therefore, qualifies for free movement within markets comprising the European Union (EU) and the European Economic Area (EEA): Technical documentation is kept by Hamble Distribution Ltd, 15 Ashley Street, Glasgow, G3 6DR

2014/35/EU LVD Directive conforms to:
EN 60335-1:2012+A11:2014+A12 :2017+A13 :2017

2014/30/EU EMC Directive conforms to:
EN 55014-1:2017, EN 61000-3-2:2014, EN 61000-3-3:2013 EN 55014-2 :2015

2011/65/EU RoHS Directive conforms to:
IEC 62321-8:2017 IEC 62321-7-2:2017

Year of CE marking 2019

Date: 18th February 2019
Signature:

Name: D. Robertson
Position: Joint Managing Director
Hamble Distribution Ltd, 15 Ashley Street, Glasgow, G3 6DR



NOTE:

This product should not be disposed of with household waste.
Please recycle where facilities exist.
Check with your local authority for recycling advice.