

CLAMPBO®



POWER PACK & JUMP STARTER

MODEL NO: CLIPPJS
PART NO: 6487075

OPERATION & MAINTENANCE INSTRUCTIONS



LS1116

INTRODUCTION

Thank you for purchasing this CLARKE product.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

ENVIRONMENTAL PROTECTION



Do not dispose of this product with general household waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of according to the laws governing Waste Electrical and Electronic Equipment.

SPECIFICATIONS

Model Number	CLIPPJS
Battery Capacity	9.6Ah
Jumpstart Output Current	Starting 200A / Peak 400A
USB Output	5V @ 2.1A
DC Output	12V @ 2A, 16V @ 3.5A, 19V @ 3.5A
Dimensions (L X W X H)	160 x 75 x 35 mm
Weight	0.73 kg

GENERAL SAFETY RULES



WARNING: ALL LEAD ACID BATTERIES GENERATE HYDROGEN GAS DURING NORMAL OPERATION. THIS PROCESS INCREASES DURING A PERIOD OF RAPID DISCHARGE, SUCH AS WHEN USING FOR JUMPSTARTING.

WARNING: HYDROGEN GAS AND BATTERY ACID (SULPHURIC ACID) CAN BE EXPLOSIVE, CORROSIVE TO SKIN, EYES AND HAIR, DAMAGING TO CLOTHING AND METALS, FLAMMABLE, POISONOUS TO BREATHE.

1. Although the unit is water resistant and may be used outdoors, DO NOT leave it exposed to the elements. Avoid direct sunlight, direct heat, rain/moisture etc. The power pack must only be used indoors or completely protected from the rain. This also applies to any device being powered by the power pack.
2. Do not operate the jumpstart if any of the cables are damaged. Consult your Clarke dealer for repair or replacement of the parts.
3. Do not operate the unit if the case is damaged. Consult your Clarke dealer or a qualified person for inspection and repair.
4. To prevent the battery from overheating and consequent damage, do not exceed our recommendations for the duration of jump starting.
5. The unit is NOT designed to be used as a replacement for a vehicle battery.
6. NEVER allow the battery to become completely discharged.
7. NEVER jump start the engine whilst the unit is being charged.
8. NEVER attempt any repairs yourself. If you have a problem with the unit contact your local CLARKE dealer.
9. Always keep your body and clothing dry. Never work in a damp area without adequate insulation against electric shock.
10. Always store the unit out of reach of children.
11. Always wear safety glasses when working with lead acid batteries.
12. If splashed by battery acid, immediately flush the area of the splash with clean water. If a burning sensation is felt or any blistering occurs, seek medical help.
13. If battery acid comes into contact with the eyes, flush the eyes with clean water continuously and seek medical help.
14. Always ensure that there is air circulating around the unit when in use.

15. Never allow the jumpstart leads on this unit, to touch each other or to touch the same metal object.
16. Ensure the vehicle battery posts and battery clamps are perfectly clean before use.
17. Connect the red clamp to the unearthed battery terminal first, (this is usually the positive (+ve) terminal and painted RED); then connect the black clamp to the earthed battery terminal, (this is usually the negative (-ve) terminal and painted BLACK).
18. ALWAYS wear suitable protective clothing and eye protection when working with lead acid batteries.
19. NEVER allow the cables to become wrapped around the operator or any other person.






ELECTRICAL CONNECTIONS

This product is provided with a 13 amp, 230 volt (50Hz), charging adaptor for connection to a standard, domestic electrical supply. a 12V charging lead is also supplied

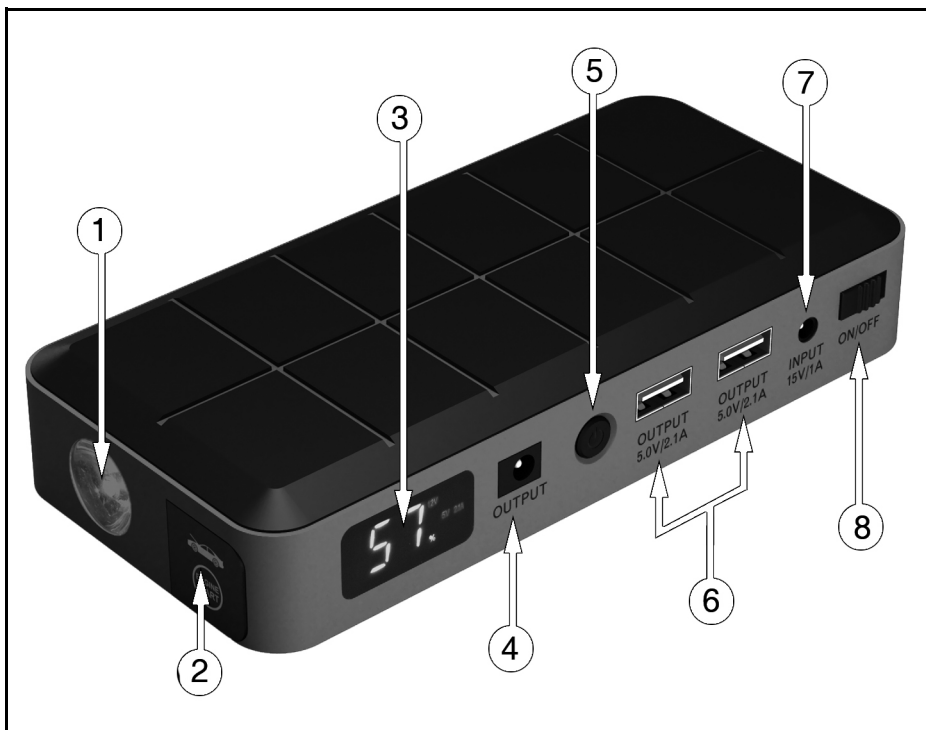
This appliance is of double insulated design. No earth conductor is provided.

If in any doubt, consult a qualified electrician. DO NOT attempt any electrical repairs yourself.

SAFETY SYMBOLS

	Class II appliance		Always read instructions before use
	Suitable for indoor use only (refers to mains adaptor only)		Subject to Waste Electrical & Electronic Equipment Directive
	Live centre pin		

OVERVIEW

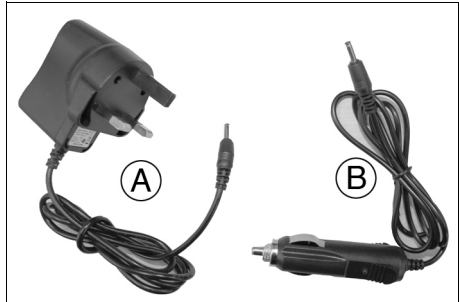


NO	DESCRIPTION	NO	DESCRIPTION
1	Worklight	5	Push Button
2	Jumpstart Lead Socket	6	USB Sockets 5V DC
3	Display	7	Charger Input Socket
4	DC Output Socket	8	ON/OFF Switch

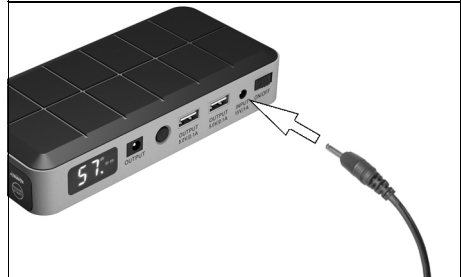
CHARGING THE POWER PACK

You can charge your power pack using either:

- The mains charger (A).
- The cigar lighter adapter (B).



1. Switch the power pack off.
2. Plug the mains charger or cigar lighter adapter into the charger input socket.
3. Connect the other end to either the mains supply or cigar lighter socket.



- If using the cigar lighter adapter, start the engine first.
- The display will show the current charge percentage and the word 'IN'.

4. When the display shows 100% disconnect the charger.

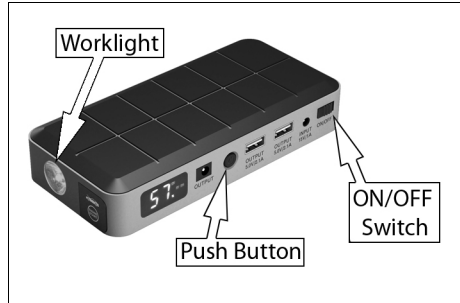
TO ENSURE MAXIMUM LIFE FROM THE BATTERY.

- Charge this unit before using it for the first time.
- Recharge after every use if possible, and thereafter, once every three months.
- Never leave the unit in a state of discharge.

OPERATION

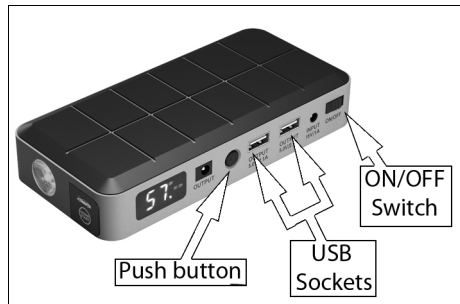
USING THE WORKLIGHT

1. Set the ON/OFF switch to the ON position.
2. Press and hold the push button for 3 seconds to turn the worklight on.
3. Press the push button again.
 - The worklight will flash using the morse code SOS pattern.
4. Press the push button again.
 - The worklight will flash on and off.
5. Press the push button again to turn the worklight off.



USING THE USB POWER SUPPLY

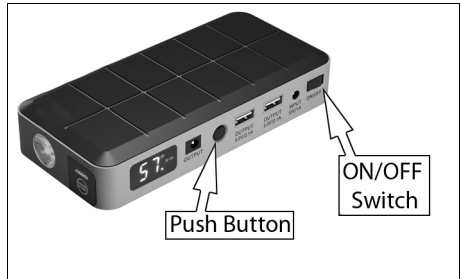
- This will supply a maximum of 2.1A at 5V.
1. Insert the USB cable into one of the USB sockets on the side of the power pack.
 2. Plug the other end of the cable into your device.
 3. Set the ON/OFF switch to the ON position.
 4. Press the Push button once to start charging.
 - The display shows the percentage left in the power pack.



USING THE DC POWER SUPPLY

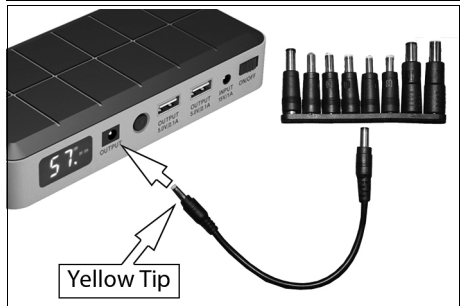
SELECT THE VOLTAGE

1. Set the ON/OFF switch to the ON position.
2. Press the push button repeatedly until the required voltage is shown in blue on the top of the display.
 - Select from 12V, 16V, or 19 V.



CONNECTIONS

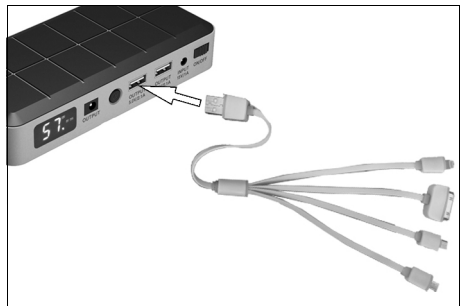
1. Insert the yellow tip of the small fly lead into the power pack.
2. Fit the required connector from the selection to the other end of the fly lead.
3. Insert the connector into the device you want to power.
 - The display shows the percentage left in the power pack.



USB ADAPTOR LEAD

This lead can be used to charge mobile phones and various USB devices.

1. Insert the lead into the USB socket on the power pack.
2. Connect one of the connectors on the lead to your device
 - Do not connect more than one connector at a time.
 - This will supply a maximum of 2.1A at 5V.



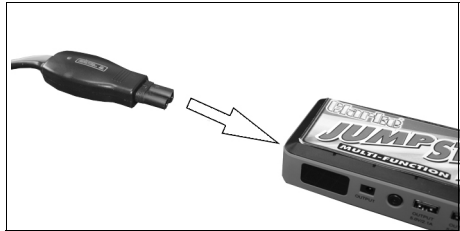
JUMP STARTING



WARNING: IT IS POSSIBLE THAT SOME ELECTRONIC EQUIPMENT COULD BE DAMAGED BY JUMP STARTING. ALWAYS CHECK WITH THE VEHICLE HANDBOOK TO DETERMINE IF ANY PRECAUTIONS SHOULD BE TAKEN.

CONNECTING THE SMART CABLE TO THE POWER PACK

1. Lift the rubber plug and insert the jumpstart leads into the power pack.
 - The red & green LEDs will flash alternatively.



CONNECT THE JUMP START LEADS TO THE BATTERY

1. Connect the red clamp to the unearthed battery terminal first, (this is usually the positive (+ve) terminal and painted RED).
2. Connect the black clamp to the earthed battery terminal, (this is usually the negative (-ve) terminal and painted BLACK)
 - LED show solid green: Reasdy to start
 - LED flashes red and green: Means the smart cable is in search mode, to activate turn the ignition on (ACC)
 - LED shows solid red: indicates a failed connection, possible faults are:

Jump starter does not have enough power	Check the power level of the jump starter and charge if required.
Short Circuit	Make sure that the positive & negative leads are not touching, remove them & restart.
Reverse Polarity	Make sure that the smart cable clamps are connected correctly to the car battery, remove them & restart.
Over Heating	Wait for a few minutes & try again.

JUMPSTART THE BATTERY



CAUTION: MAKE SURE THAT THE POWER PACK IS AT LEAST 30% CHARGED BEFORE YOU ATTEMPT TO JUMPSTART.

ALWAYS carry out the following preliminary checks:

- Switch off the vehicle ignition and ALL ancillary equipment (lighting, radio etc.)
 - Ensure the vehicle battery is rated at 12V and is not damaged in any way.
 - Ensure the area is well ventilated.
 - Make sure that the power pack has at least 30% charge.
1. Switch the ignition to 'start', for NO MORE than 6 seconds. If the engine does not start within this time, SWITCH OFF the ignition and wait for at least 3 minutes before trying again.
 2. Once the engine is running, disconnect the BLACK clamp FIRST, then disconnect the RED clamp.
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MAINTENANCE

CLEANING

- Wipe the body of the unit clean using a soft damp cloth.
- Do not use abrasives to clean this product.

REPAIRS

- All repairs must be carried out by qualified service technicians.

STORAGE

- When not in use, store in a safe dry place.

DECLARATION OF CONFORMITY



Clarke[®]
INTERNATIONAL

Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2004/108/EC *Electromagnetic Compatibility Directive.*

2006/95/EC *Low Voltage Equipment Directive.*

2011/65/EU *Restriction of Hazardous substances.*

The following standards have been applied to the product(s):

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013, EN 61000-3-2:2014, EN 61000-3-3:2013,

EN 55022:2010 AC: 2011, EN 55024:2010.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2014

Product Description: Lithium Ion Power Pack & Jumpstarter

Model number(s): CLIPPJS

Serial / batch Number: N/A

Date of Issue: 16/02/2016

Signed:

J.A. Clarke
Director

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