



DRAPER[®]

12/24V

JUMP STARTER

70554



UK
CA CE

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR: 12/24V Jump Starter

Stock No: 70554

Part No: JS3000

1.2 REVISIONS:

Date first published September 2019.

First revision June 2022.

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://drapertools.com/manuals>

Draper Tools Limited
Hursley Road
Chandler's Ford
Eastleigh
Hampshire
SO53 1YF
UK

Delta International
Delta International BV
Oude Graaf 8
6002 NL
Weert
Netherlands

Website: drapertools.com

Product Help Line: +44 (0) 23 8049 4344

General Fax: +44 (0) 23 8026 0784

1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

WARNING! – Information that draws attention to the risk of injury or death.

CAUTION! – Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE:

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3. WARRANTY

3.1 WARRANTY

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact

Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.

Telephone Sales Desk: (023) 8049 4333 or Product Help Line (023) 8049 4344.

A proof of purchase **must** be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering parts and labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

4. INTRODUCTION

4.1 SCOPE

This product has been manufactured as a compact, durable and portable jump start system for vehicle and boats and as a portable power source, via 12V DC, 2.1A USB and 230V AC output sockets.

As part of our core range, this product is suitable for enthusiasts and tradespeople alike. Any application other than that it was intended for, is considered misuse.

4.2 SPECIFICATION

Stock No..... 70554

Part No. JS3000

Output:

Rated voltage 12/24V

Maximum starting CCA (Cold Cranking Amps) 1200A (12V)/600A (24V)

Maximum starting current..... 3000A (12V)/1500A (24V)

Power pack sockets output:

12V D.C..... Via 12V DC adaptor (supplied)

USB 5V/2.1A

230V AC (via integral DC to AC current inverter) 300W (max.)

Integral battery:

Type 2 × Lead acid sealed batteries

Voltage 2 × 12V

Capacity 20Ah

Protection AC short circuit / overload protection / over-temperature protection
..... / battery low voltage protection

Charger:

Input voltage..... 230V~50Hz

Output voltage..... 15V

Amperage..... 1000mA

Construction Class II

Booster cable length..... 460mm

Weight (machine only):..... 13.8kg

4.3 HANDLING AND STORAGE

- Care must be taken when handling this product.
 - Dropping this power tool could have an effect on its accuracy and could also result in personal injury. This product is not a toy and must be respected.
- Environmental conditions can have a detrimental effect on this product if neglected.
 - Exposure to damp air can gradually corrode components.
 - If the product is unprotected from dust and debris, components will become clogged.
 - If not cleaned and maintained correctly or regularly, the machine will not perform at its best.

5. HEALTH AND SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

When using any type of power tool there are steps that should be taken to make sure that you, as the user, remain safe.

Common sense and a respect for the tool will help reduce the risk of injury.

Read the instruction manual fully. Do not attempt any operation until you have read and understood this manual.

Most important you must know how to safely start and stop this machine, especially in an emergency.

Keep the work area tidy and clean. Attempting to clear clutter from around the machine during use will reduce your concentration. Mess on the floor creates a trip hazard. Any liquid spilt on the floor could result in you slipping.

Find a suitable location. If the machine is bench mounted, the location should provide good natural light or artificial lighting as a replacement. Avoid damp and dust locations as it will have a negative effect on the machine's performance. If the machine is portable do not expose the tool to rain. In all cases do not operate power tools near any flammable materials.

Keep bystanders away. Children, onlookers and passers by must be restricted from entering the work area for their own protection. The barrier must extend a suitable distance from the tool user.

Unplug and house all power tools that are not in use. A power tool should never be left unattended while connected to the power supply. They must be housed in a suitable location, away locked up and from children. This includes battery chargers.

Do not overload or misuse the tool. All tools are designed for a purpose and are limited to what they are capable of doing. Do not attempt to use a power tool (or adapt it in any way) for an application it is not designed for. Select a tool appropriate for the size of the job. Overloading a tool will result in tool failure and user injury. This covers the use of accessories.

Dress properly. Loose clothing, long hair and jewellery are all dangerous because they can become entangled in moving machinery. This can also result in parts of body being pulled into the machine. Clothing should be close fitted, with any long hair tied back and jewellery and neck ties removed. Footwear must be fully enclosed and have a non-slip sole.

Wear personal protective equipment (PPE). Dust, noise, vibration and swarf can all be dangerous if not suitably protected against. If the work involving the power tool creates dust or fumes wear a dust mask. Vibration to the hand, caused by operating some tools for longer periods must be protected against. Wear vibration reducing gloves and allow long breaks between uses. Protect against dust and swarf by wearing approved safety goggles or a face shield. These are some of the more common hazards and preventions, however, always find out what hazards are associated with the machine/work process and wear the most suitable protective equipment available.

Do not breathe contaminated air. If the work creates dust or fumes connect the machine (if possible) to an extraction system either locally or remotely. Working outdoors can also help if possible.

Move the machine as instructed. If the machine is hand held, do not carry it by the power supply cable. If the product is heavy, employ a second or third person to help move it safely or use a mechanical device. Always refer to the instructions for the correct method.

Do not overreach. Extending your body too far can result in a loss of balance and you falling. This could be from a height or onto a machine and will result in injury.

Maintain your tools correctly. A well maintained tool will do the job safely. Replace any damaged or missing parts immediately with original parts from the manufacturer. As applicable, keep blades sharp, moving parts clean, oiled or greased, handles clean, and emergency devices working.

Wait for the machine to stop. Unless the machine is fitted with a safety brake, some parts may continue to move due to momentum. Wait for all parts to stop, then unplug it from the power supply before making any adjustments, carrying out maintenance operations or just finishing using the tool.

5. HEALTH AND SAFETY INFORMATION

Remove and check setting tools. Some machinery requires the use of additional tools or keys to set, load or adjust the power tool. Before starting the power tool always check to make certain they have been removed and are safely away from the machine.

Prevent unintentional starting. Before plugging any machine in to the power supply, make sure the switch is in the OFF position. If the machine is portable, do not hold the machine near the switch and take care when putting the machine down, that nothing can operate the switch.

Carefully select an extension lead. Some machines are not suitable for use with extension leads. If the tool is designed for use outdoors, use an extension lead also suitable for that environment. When using an extended lead, select one capable of handling the current (amps) drawn by the machine in use. Fully extend the lead regardless of the distance between the power supply and the tool. Excess current (amps) and a coiled extension lead will both cause the cable to heat up and can result in fire.

Concentrate and stay alert. Distractions are likely to cause an accident. Never operate a power tool if you are under the influence of drugs (prescription or otherwise), including alcohol or if you are feeling tired. Being disorientated will result in an accident.

Have this tool repaired by a qualified person. This tool is designed to conform to the relevant international and local standards and as such should be maintained and repaired by someone qualified, using only original parts supplied by the manufacturer. This will ensure the tool remains safe to use.

5.2 ADDITIONAL SAFETY INSTRUCTIONS FOR JUMP STARTERS AND PORTABLE POWER PACKS

Warning! Please read the following instructions carefully, failure to do so could lead to serious personal injury.

Important: Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

Warning! – risk of explosive gases.

- Working in the vicinity of a lead-acid battery is dangerous. Batteries generate explosive gases during normal operation. For this reason, it is of utmost importance that you read this manual and follow the instructions if you have any doubts before using this product.

To reduce risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in the vicinity of the battery.

- Review warning marks on all these products and on the engine.
- When working near a lead-acid battery, someone should be within range of your voice, close enough to come to your aid.
- Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing or eyes.
- Wear complete eye, hand and clothing protection. Avoid touching eyes when working with batteries.
- If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eyes, immediately flood eye with cool, clean running water for at least 15 minutes and get medical attention immediately.
- **Never** smoke or allow a spark or flame in vicinity of battery or engine.
- Be extra cautious to reduce risk of dropping a metal tool onto a battery. It could spark or short circuit the battery or, any other electrical part possibly causing an explosion.
- When working with a lead-acid battery, remove personal metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short-circuit current high enough to weld a ring, or the like to metal, which may cause severe burns.

5. HEALTH AND SAFETY INFORMATION

- **Never** charge or boost a frozen battery.
- **Never** allow clamps to touch one another or to contact the same piece of metal to prevent arcing.
- Ensure the power pack is switched off prior to connecting/disconnecting of the vehicle battery.
- **Do not** use the charger in damp or wet conditions.
- Keep out of reach of children.
- **Do not** submerge in water.
- **Do not** operate near flammables such as petrol, paraffin, or thinners etc.
- If the charger receives a sharp blow or is otherwise damaged in any way, do not disassemble. Have it checked by a qualified service person. Return to source.
- This product must be disposed of responsibly, through an appropriate local authority disposal site or licensed waste disposal contractor.
- This appliance is for use on 12V or 24V circuits only.
- **Do not** use in high temperatures.
- Before connecting the power pack, ensure the main switch is in the 'off' position.
- If incorrect polarity is indicated, disconnect immediately and rectify.
- Prior to initial use charge for 24 hours.
- **Do not** use the power pack while charging.

5.3 SAFETY INFORMATION FOR RECHARGEABLE BATTERIES:

- The battery must be removed from the appliance before it is scrapped.
- The appliance must be disconnected from the supply mains when removing the battery.
- Used batteries must be disposed of responsibly, through an appropriate local authority disposal site or licensed waste disposal contractor.
- Charge the battery using the specified charger under the charging conditions specified.
- Charging the battery under any other conditions may cause the battery to overheat, emit hydrogen gas, leak, ignite or burst.
- **Do not** place the battery near a device that may cause sparks (such as a switch or a fuse). The battery may generate flammable gas when charged, so remember to keep the battery away from fire to prevent sparks from igniting or causing explosion.
- **Do not** place or store the battery in a vehicle in hot weather, under direct sunlight, or near a source of heat. Use and storage of the battery in these conditions may cause battery leakage, fire or bursting.
- Damage and deterioration of battery characteristics may occur if the battery is dropped.
- **Do not** charge the battery in the inverted position.
- **Do not** carry the battery by hanging it from the terminal or the cable, as it may cause damage to the battery.
- Turn off the switch of the circuit when connecting the battery to a charger or load.
- Batteries tend to lose a part of their capacity due to self-discharge during shipment and storage, recharge the batteries before you use them and after purchase or long-term storage in order to restore their full capacity.
- **Do not** continue discharging to the point where the voltage drops below the recommended discharge cut-off voltage.
- If a storage battery that was discharged below the recommended discharge cut-off voltage is recharged, the storage battery may generate heat which could deform it or cause condensation to form moisture from inside the battery. Discharging below the recommended voltage may also accelerate the deterioration of the battery's performance characteristics.

5. HEALTH AND SAFETY INFORMATION

- Avoid over discharge, and charge the battery immediately after discharge.
- Unsatisfactory storage conditions may cause deterioration in battery performance, shorten service life and could cause rust to form on the terminals.
- **Do not** allow metallic objects to touch or bridge the terminals especially jewellery. Failure to observe the precautions may cause the battery to overheat, emit hydrogen gas, leak, ignite or burst.
- **Do not** throw the battery into fire or heat the battery. The battery may burst or generate a toxic gas if placed in contact with fire.
- **Do not** attempt to disassemble, remodel or destroy the battery, as it may cause the battery leakage, fire or bursting, and could also create sulphuric acid spills from the battery resulting in possible burns to personnel and damage to the immediate environment.
- **Do not** continue to charge the battery beyond the time specified in the instructions. If the battery is not fully charged even after being charged for a longer time than specified, discontinue charging and remove the battery from the charger. Charging for a longer time than specified may cause the battery to leak, ignite, or burst.
- **Do not** discharge the batteries beyond the maximum values indicated on the battery. If the battery is discharged beyond the maximum values, it may leak, ignite or burst.
- Keep the batteries beyond the reach of children.
- Wear gloves when handling batteries.
- **Do not** apply organic solvents such as paint thinner, petrol or liquid detergents to the battery. If these are brought into contact with the battery case, it may crack, causing leakage.
- The battery contains electrolyte (diluted sulphuric acid) a very toxic substance. If the battery leaks and the liquid inside spills on the skin or clothing, immediately wash it off with plenty of clean water. If the liquid splashes into eyes, immediately flush the eyes with plenty of clean water and consult a doctor. Sulphuric acid will burn skin and in the eyes may cause loss of eyesight.
- Store the battery in a stable position so as to keep the terminals of the battery away from any metallic or other conductive material (including items that may fall or drop onto the battery).
- Protect the battery from rain. If the terminals of the battery come into contact with water, they may corrode.
- As a general rule, keep the battery in an upright position.
- When storing the battery, disconnect it from the charger and keep it in a place where the temperature is low. Do not store in direct sunlight or temperatures exceeding 60°C.
- If the battery is stored for a year or longer without being charged, its service life may be shortened. Store the battery after fully charging it, otherwise its service life may be shortened.
- Use/recharge the battery regularly. The battery gradually deteriorates during storage and consequently its decreased capacity may be irreversible even after recharging.
- Used batteries are recyclable. When returning used batteries, insulate their terminals with adhesive tape if not the residual electricity in used batteries may cause fire or explosion.
- This battery is fully recyclable and should be accepted at any location that accepts common automotive batteries. Contact your national/local authority or municipal waste centre for details.

5. HEALTH AND SAFETY INFORMATION

5.4 RESIDUAL RISK

Important note: Although the safety instructions and operating manuals for our tools contain extensive instructions of safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!

5.5 CONNECTION TO THE POWER SUPPLY (CHARGER)


Caution: Risk of electric shock. Do not open.

This appliance is supplied with a moulded 3 pin mains plug/charger for your safety.

A damaged or incomplete plug, which is cut from the cable should be disabled to prevent connection to a live electrical outlet.

This appliance is Class II[†] and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instructions supplied with the extension lead.

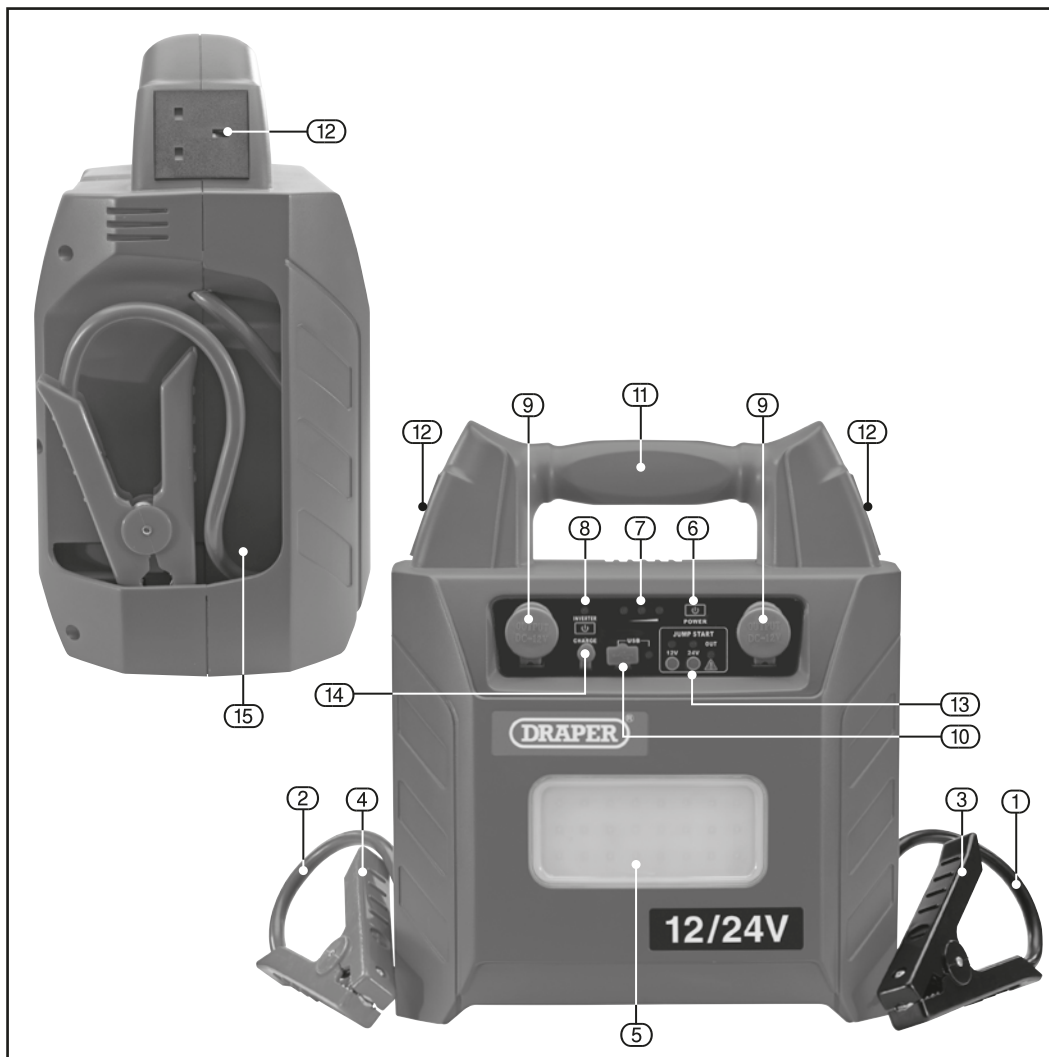
[†]*Double insulated* : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

IMPORTANT

If using an extension lead, follow the instructions that came with your lead regarding maximum load while cable is wound. If in doubt, ensure that the entire cable is unwound. Using a coiled extension lead will generate heat which could melt the lead and cause a fire.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



- ① Negative (black) booster cable.
- ② Positive (red) booster cable.
- ③ Negative clamp.
- ④ Positive clamp.
- ⑤ LED worklight.
- ⑥ Power ON/OFF and LED worklight switch.
- ⑦ Battery charge level indicator.
- ⑧ Inverter ON/OFF button, enabling 230V AC output.

- ⑨ 12V DC output socket.
- ⑩ USB output socket.
- ⑪ Carry handle.
- ⑫ 230V AC output socket.
- ⑬ 12/24 Jump start voltage selection/indicator lights.
- ⑭ Charging socket.
- ⑮ Clamp and cable storage.

7. UNPACKING AND CHECKING

7.1 PACKAGING

Carefully remove the product from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing, please contact the Draper Help Line (the telephone number appears on the Title page) and do not attempt to use the product.

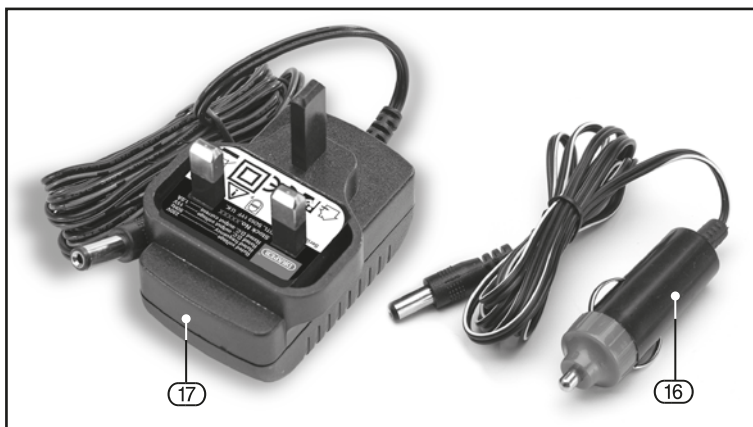
The packaging material should be retained at least during the warranty period, in case the machine needs to be returned for repair.

Warning!

- Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.
- If any of the packaging is to be thrown away, make sure they are disposed of correctly, according to local regulations.

7.2 WHAT'S IN THE BOX

As well as the main product, there are several parts not fitted or attached to it.



(16) 12V DC adaptor charger.

(17) 230V AC adaptor charger.

8. PREPARING THE JUMP STARTER

8.1 CHARGING THE POWER PACK (FIG.1)

Note: The power pack of the jump starter must be charged for 24 hours prior to first use and charged regularly every 2 months.

The power pack was pre-charged during production. However, it is more beneficial to ensure that the battery is kept at full charge prior to each use. It is recommended that the power pack should be kept on charge until it is required for use.

The charging circuit is automatic and will not overcharge when connected to the charger leads. To assess the amount of charge remaining in the power pack:

- Press the power ON button (6).
- If all three LED's of the battery charge level indicator (7) are lit, it means the power pack charge is fully charged.
- If there are 2 LED's lit, it means power pack still has an adequate charge level.
- If there is only 1 LED lit, you will not be able to use the power pack to jump start a vehicle. It will also not be possible to use the unit's integral inverter for 230AC power output. It will be possible, however, to use the unit's 12V DC and USB power output facilities.
- If all 3 of the LED's are flashing, the unit has no charge. Shut-down will occur after approximately after 10 seconds.

8.2 RECHARGING THE POWER PACK (FIGS.2 – 3)

There are two ways to charge your power pack.

Using the 230V AC charger:

- Plug the jack plug end of the 230V AC charger (17) into the unit's charging socket and the 3 pin end into a suitable AC mains power socket.

Using the 12V DC charger:

- Plug the jack plug end of the 12V DC charger (16) into the unit's charging socket (14) and the other plug end into a vehicle's 12V output socket. **Note:** When using the DC charger, the voltage level will be reduced when compared to charging with the AC charger (17).

During the course of the charging cycle, the 3 LEDs of the battery charge level indicator (7) will illuminate in sequence, with each subsequent LED flashing until all 3 LED's are fully lit, indicating full charge. A full charging cycle will take approximately 48 hours.

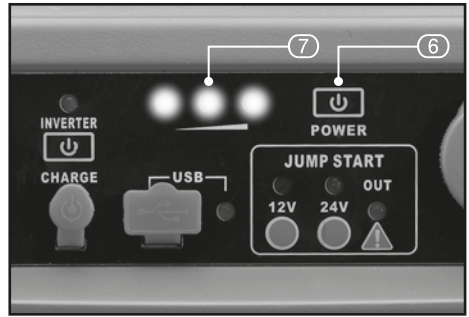


FIG.1

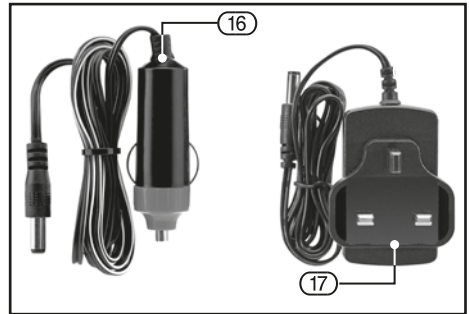


FIG.2

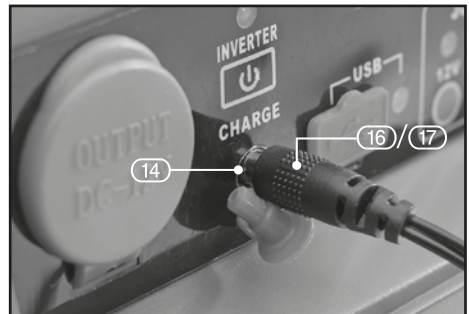


FIG.3

9. OPERATING INSTRUCTIONS

9.1 JUMP STARTING (FIGS.4 – 5)

Refer to section: *5.3 SAFETY INFORMATION FOR RECHARGEABLE BATTERIES*, for information regarding the handling of lead acid batteries etc.

For 'Maintenance' type lead-acid batteries:

- Remove the cell caps to monitor the electrolyte levels prior to commencing.
- The level of the electrolyte should be up to the indicator on the battery (approx. 5 to 10mm above the top of the plates). This must be checked and adjusted.

Note: This is not applicable for 'Maintenance Free' type batteries.

- When topping up the electrolyte use only distilled or de-ionised water. **Do not** use tap water. It is advisable to check the electrolyte density (specific gravity) to make certain the acid to water ratio is sufficient.
- Clean the battery terminals to allow an optimum conductive connection between the battery and power pack.
- It is advisable to measure the battery voltage for signs of deep discharge. Discharging the battery to 20% or less of its full charge capacity is known as 'deep discharge'. Unless specifically designed for deep discharge cycles this practice will significantly reduce the life of the battery.
- **Do not** attempt to use the power pack on a vehicle with a deep discharged battery.
- The power pack shall not be used on large ampere-hour batteries as this may cause damage or injury.

Warning! Explosive gases. Prevent flames and sparks. Provide adequate ventilation during use.

- Refer to the appliance/vehicle manufacturer's literature for specific instructions on jump starting.
- If it is necessary to disconnect the battery, some information (e.g. radio presets and security code) may require re-entry. Disconnecting the battery can also trigger the anti-theft alarm/immobiliser. Contact the vehicle's manufacturer for detailed information.
- Connect the positive (red) clamp (4) to the red, positive battery terminal of the vehicle.
- Connect the negative (black) clamp (3) to a non-moving metal part of the engine or its designated clamping point. Contact the vehicle's manufacturer for detailed information.
- Press the unit's power button (6):
 - Under normal conditions, either the 12V or 24V LED indicators (13) will automatically illuminate. After 1 – 2 seconds the 'OUT' LED indicator (13.1) will also illuminate. You can now proceed with the jump start process.
 - If the 3 LED's of the battery charge level indicator (7) are flashing and a buzzer alarm is sounding, there is a short-circuit problem or reversed polarity issue with the clamps (check for inverted clamp connection).
 - If the unit is unresponsive, without battery charge level (7) and voltage selector LED indicators (13) active, and no warning buzzers sounding, please check the clamp connections. It could also be the case that the power pack is exhausted.

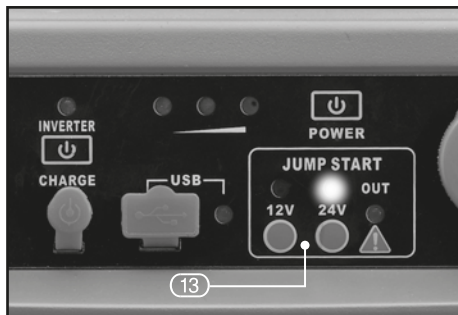


FIG.4

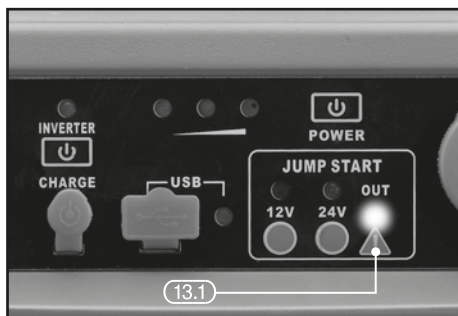


FIG.5

9. OPERATING INSTRUCTIONS

- If the clamp connections are correct, but the buzzer alarm is operating, it shows the target vehicle is without an operational battery or the battery charge level is so low that the unit cannot judge the correct voltage required.
In this case:
 1. Make sure the clamps are not connected to the battery terminal/charging point.
 2. Select the right voltage (12V/24V) required (as per your car's voltage), and press the corresponding button (13).
 3. The corresponding LED indicator will illuminate and a buzzer will give a sequenced warning. After 1 – 2 seconds the 'OUT' LED indicator (13.1) will illuminate.
 4. You can now connect the clamps to the car battery. Make sure the positive (red) clamp (4) is connected to positive terminal and that the negative (black) clamp (3) is connected to the appropriate charging point.
 5. You can now start the vehicle.
 - The vehicle should start within 30 seconds. If not, repeat the above procedure from step 2.
 - If at anytime there is a overloading issue with the unit, an alarm buzzer will ring twice and the unit will shut off automatically.

9.2 DISCONNECTING

EXTREMELY IMPORTANT:

Failure to follow the below instructions could result in the power pack exploding.

- When the vehicle has started, remove the negative (black) (3) clamp within 15 seconds.
- Switch off the on/off switch (6) on the power pack.
- Remove the positive (red) clamp and return both clamps to their storage housings (15) at the sides of the power pack.

9.3 POWER PACK RECHARGING TIMES

Number of jump starts	Recharging time (in hours)
1	5
2	10
3	15
4	20
5	25
6	30

9. OPERATING INSTRUCTIONS

9.4 USING THE JUMP STARTER AS A 12V DC, 230V AC OR USB POWER SOURCE (FIGS.6 – 9)

The unit can also be used as a portable power source, which can be useful for leisure activities where power sources are not readily available.

To help safeguard against possible damage to the internal power pack, the unit incorporates several safeguarding features:

- **Low-voltage protection** – The unit has a low-voltage protection function. When the voltage falls below a predetermined value, a warning alarm will operate and the unit will turn off automatically.
- **Short-circuit protection** – If the electrical equipment being powered develops a short-circuit fault, the unit turns off automatically.
- **Overload protection**
- **Over temperature protection**

Appliance	Estimated power consumption (in watts)	Estimated usage times (in hours)
Fluorescent lights, mobile phones	4	25
Radios, electric fans	9	16
Camcorders, DVD players, spotlights	15	8
Electric tools, pumps	20	5
Electric coolers	48	2
Air compressors, car vacuums	70	1

12V DC power output:

- Lift the covering flap and insert the 12V plug into either of the 12V DC output sockets (9).

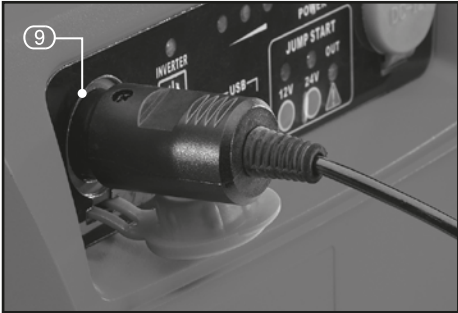


FIG.6

9. OPERATING INSTRUCTIONS

USB power output:

- Lift the covering flap and insert the appropriate USB plug into the USB power output socket (10).

230V AC power output:

Warning! When using the AC power output function, make sure the jump starter and the electrical equipment being powered are indoors and not exposed to rain or moisture.

Important: The unit has an in-built DC to AC power inverter that can supply power to electrical equipment, with a maximum output of 300W.

- Connect the target electrical equipment to the unit via one of the 2 × 230V AC power output sockets (12).
- Press and hold the inverter switch (8) for 3 seconds. The green LED (8.1) will illuminate.
- After 3 – 5 seconds, the LED will change to RED. The unit can now be used.

Note: Try to avoid powering any 230V AC electrical equipment containing an inductive load (e.g., devices containing a motor) as this may require more current upon start up.

9.5 LED WORK LIGHT (FIG.10)

The LED worklight (5) can be operated by pressing the unit's main power button (6) on the control panel.

With the unit already switched on:

- Press the button (6) once to turn on the light.
- Press the button again and the light changes to an on/off flashing sequence (e.g., useful for warning/signalling purposes in an emergency situation).
- Press the button a third time to switch off the light.

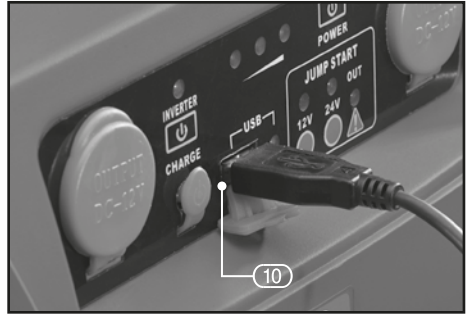


FIG.7

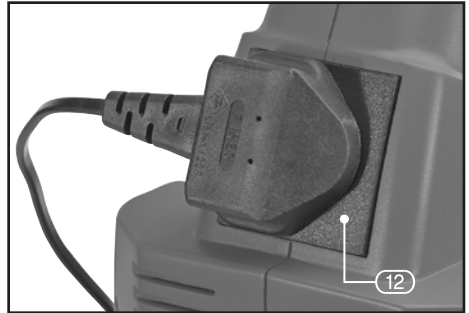


FIG.8

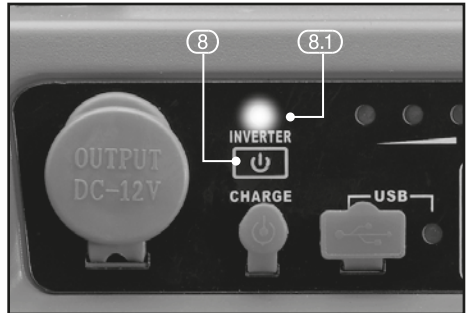


FIG.9



FIG.10

10. OPTIONAL ACCESSORIES

10.1 OPTIONAL ACCESSORIES

Stock No.	Part No.	Description
93848	AJS3000-01	12V Mains charger
93722	AJS800-02	12V DC charger cable

A full range of accessories are available from Draper Tools.

Please visit our website for details: www.drapertools.com

11. DISPOSAL

11.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not dispose of WEEE* as unsorted municipal waste.



* Waste Electrical & Electronic Equipment.

12. EXPLANATION OF SYMBOLS

12.1 EXPLANATION OF SYMBOLS



Read the instruction manual.



Warning!



Warning! Live electricity.



Warning! Explosive material.



Warning! Keep away from any flame/fire.



Wear safety glasses.



Wear protective gloves.



Do not abandon into the environment.



Keep out of the reach of children.



Use in a well
Ventilated area.



DC to AC 230V output inverter
(max. 300W).



USB power output.



Reverse polarity protection.



This charger contains a
sealed lead-acid battery and
must be disposed of properly.



Class II construction
(Double insulated).



WEEE –
Waste Electrical &
Electronic Equipment.
*Do not dispose of Waste Electrical
& Electronic Equipment in with
domestic rubbish.*



Do not incinerate or
throw onto fire.



For indoor use only.
Do not expose to rain.



Short-circuit-proof safety
isolating transformer



Fuse protective device.



Polarity indication.



Rated voltage.



Conforms to all relevant
safety standards.



UK Conformity Assessed.

CONTACTS

Draper Tools Limited

UK: Hursley Road, Chandler's Ford, Eastleigh,
Hampshire. SO53 1YF. U.K.

EU: Oude Graaf 8
6002 NL Weert (NL)

Help Line: (023) 8049 4344

Sales Desk: (023) 8049 4333

Internet: drapertools.com

E-mail: sales@drapertools.com

General Enquiries: (023) 8026 6355

Service/Warranty Repair Agent:

For aftersales servicing or warranty repairs, please contact the
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