

500A POWER PACK (MP7433)

USER GUIDE



Please read this operating manual fully and abide by all safety instructions when using this device.

Keep these instructions for future reference. When passing the device on to others be sure to also include all documentation. The instruction leaflet is also available on our website:

www.maypoleltd.com

IMPORTANT SAFETY INSTRUCTIONS

- Explosive gases may escape from the battery during the use of this product. This is normal, but please follow the below guidelines:
- Do not use near flames or sparks – do not smoke in the area.
- Ensure adequate ventilation during use.
- **NEVER** connect the smart jump cable output clamps together.
- Keep the area completely clear of combustible materials.
- This device contains a Lithium Ion battery, do not allow battery to overheat. Do not crush, pierce or incinerate.
- Store in a dry area and take care to not expose to rain or moisture during use.
- The jump starter is intended for use with 12V Lead-Acid batteries only. Do not use with non-rechargeable batteries.
- Never connect to a battery suspected to be frozen.
- This product should not be used for any purposes other than those listed – any other use will invalidate warranty.
- Ensure that cables are regularly inspected and kept in good condition.
- Do not store the device in locations that are likely to exceed 50°C, for prolonged storage **15°C** is ideal.
- Never use the product if the device or its accessories are found to be worn or damaged.
- This product contains no user-serviceable parts - never attempt to disassemble.
- During operation, locate the unit as far away from the vehicle primary battery as the cables will permit.
- Position the unit such that it cannot inadvertently become stepped on, tripped over or damaged.
- Never place the device directly above the battery unto which it is connected; gases from the battery could corrode and damage the product.
- Always follow battery manufacturer's instructions to confirm correct jumpstart operation - electrical discharge from batteries can be dangerous
- Battery electrolyte is acidic and likely to cause burns. The use of safety goggles and gloves when working with lead acid batteries is strongly advised.
- Remove metal items such as rings, necklaces and watches while working with batteries.
- This appliance is not for use by a person (including children) with reduced physical, sensory or medical capabilities or lack of experience or knowledge.

PREPERATION OF THE BATTERY

Refer to the vehicle manufacturer's handbook for battery maintenance, connection and charging guidelines.

COMPONENTS



Box contains:

- 500A power pack
- Smart cable jump lead
- USB multi output cable
- Laptop connectors (x8) with link cable
- AC Mains charger
- 12V cigar lighter charger
- Impact resistant carry case

PRODUCT LAYOUT



CHARGING

- The power pack is partially charged from the manufacturer. Fully charge the unit before first use.
- Only ever recharge the power pack with the charging leads supplied.
- Pressing the ON/OFF button will activate the digital display. The battery % on the display show the % of battery charge in the power pack.
- The device can be charged in two ways:
 - 1) Using the 12V cigar lighter charger – First connect the 12V cigar lighter cable to the vehicle accessory socket, then connect to the 15V 1A input port. The digital display will show 'CHARGING' above the battery %.
 - 2) Using the AC mains charger – plug the AC adaptor into a mains socket, then connect to the 15V 1A input port. The digital display will show 'CHARGING' above the battery %.
- Charging time will vary depending on the power source used. It takes approximately 4hrs to fully charge the power pack from 0% using the AC charger.
- A fully charged battery will show as 100% on the digital display.
- Fully charge the battery after each jumpstart and at least once every 3 months to ensure the condition of the battery is maintained.
- If the battery voltage in the power pack is too low (<9V) it will automatically shut down.

JUMP STARTING VEHICLES

ALWAYS CONSULT YOUR VEHICLE MANUFACTURERS HANDBOOK TO CONFIRM CORRECT JUMP-STARTING OPERATION

Note: The battery within the device must be at a minimum of 20% for the jump start function to operate. Ensure all non-essential loads (fan, lights, radio etc.) are switched off prior to commencing the jump starting procedure.

- Connect the smart jump start cable to the 12V jumpstart port.
- Connect the red (+ve) clamp to the designated +12VDC connection point or positive post of the battery, then connect the black (-ve) clamp to the vehicle chassis or negative battery post.

Upon initial connection, the device will analyze the condition and voltage of the vehicle battery unto which it is connected to determine if a jump start would be successful. The ability of the device to successfully start a vehicle is heavily dependent upon the condition of the primary vehicle battery; if the vehicle battery is very old, has been discharged for an extended period of time or otherwise damaged, jump starting may not be successful.

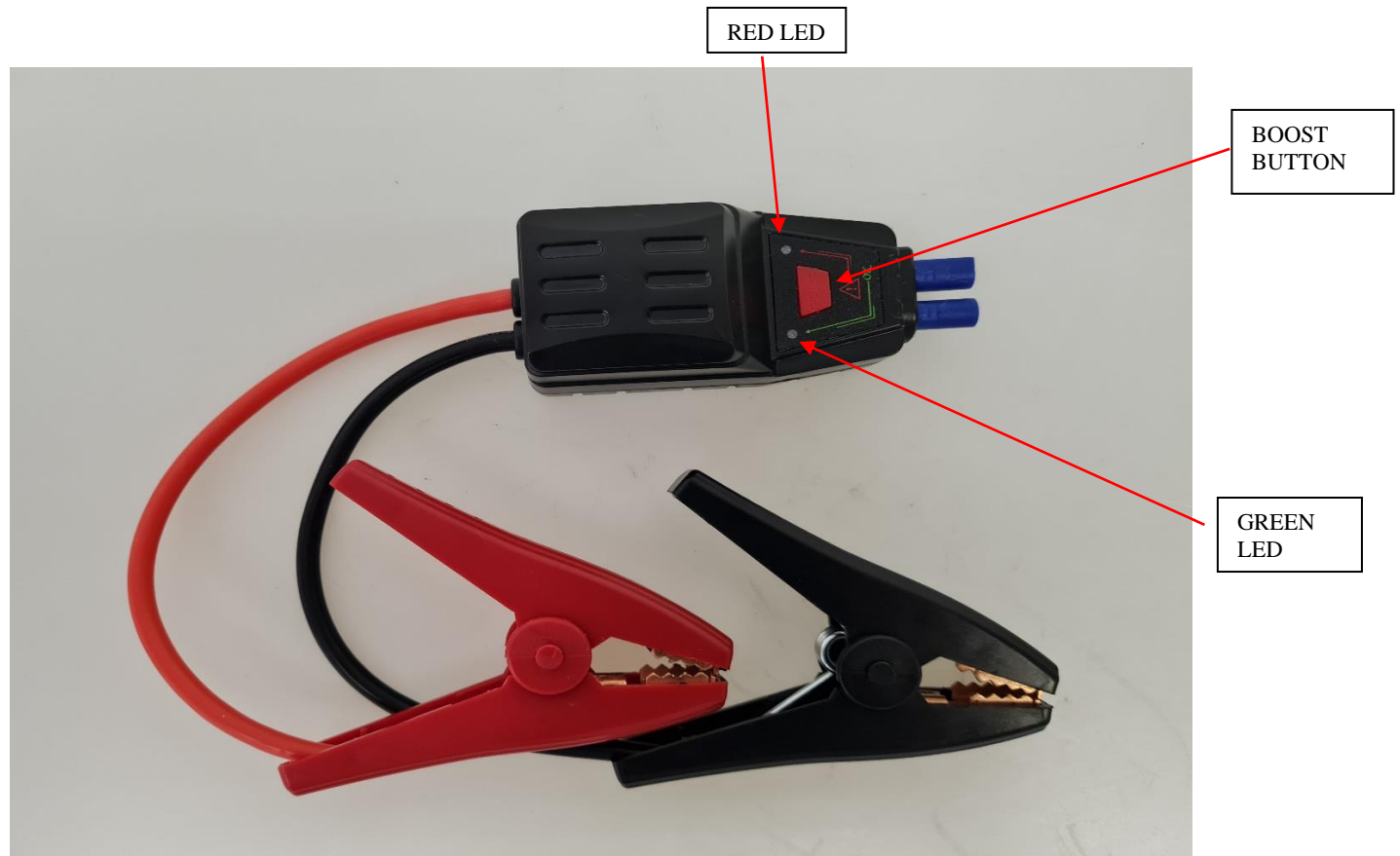
Once battery condition and voltage checks are satisfied, the green 'OK' LED will illuminate on the smart cable and a confirmation beep will sound. The vehicle is now ready to be jump started; crank the engine within 30 seconds of connection. Do not crank the engine for longer than 5 seconds each time. Allow the power pack to cool down for at least 3 minutes after each jumpstart.

Upon successful starting the green LED will flash; the jump cable can now be disconnected. Remove the black (-ve) clamp first, followed by the red (+ve) clamp. Leave the vehicle engine running for a period after disconnection to allow battery to be recharged.

SMART JUMP START CABLES

The smart jump start cables include built in safety features to protect against:

- Low voltage
- Reverse polarity
- Short circuit
- Over temperature
- Overload



BOOST FUNCTION

If with the correct connection between the jumpstart cables and the vehicle battery the red LED light is illuminated and the green LED light is off this indicates a very low voltage in the vehicle's battery and requires the boost function.

- Press and hold the boost button for 3 seconds.
- Once the green LED is illuminated crank the engine within 30 seconds.
- Upon successful starting the green LED will flash; the jump cable can now be disconnected.
- If the vehicle does not start the vehicle battery voltage is below the minimum threshold in order for the power pack to successfully start the vehicle.

WARNING

THE SPARK PROOF, REVERSE POLARITY AND SHORT CIRCUIT FEATURES ARE DISABLED WHEN THE BOOST FUNCTION IS ACTIVE. DO NOT CONNECT THE RED AND BLACK CLAMPS TOGETHER WHEN THE BOOST FUNCTION IS ACTIVATED!

LED AND WARNING TONES

RED LED	GREEN LED	WARNING TONE	CONDITION
On	Off	Once	Smart cables are connected to the 12V jumpstart port
Off	On	No Sound	Smart cables are connected to the vehicle battery. Ready to start the engine
Slow flash	Off	No Sound	Power pack battery capacity is too low. Re-charge the device
Slow flash	Off	No Sound	Engine has not been cranked within 30 seconds. Remove the clamps from the vehicle battery and start again
Fast flash	Off	Fast buzzer	Red and black clamps are connected to each other
Fast flash	Off	Fast buzzer	Reverse connection of clamps
Off	Fast flash	No Sound	Engine has started
On	Off	Continuous sound	Battery voltage is less than 3V. Boost function is required.
Off	Fast flash	No Sound	Vehicle's battery voltage is higher than the power pack (12V only)

CHARGING DEVICES VIA USB

A wide selection of portable devices such as mobile telephones, tablets and portable media devices can be charged via this device.

Connect the device you wish to be charged to either the USB output using an appropriate cable or to the 19V barrel jack via one of the 8 barrel plugs using the link cable provided. Press the ON/OFF button on the power pack. Charging will automatically start.

FLASHLIGHT

This power pack features a multi-mode LED flashlight which is activated by pressing and holding the flashlight button for 3 seconds on the power pack. The operating mode of the flashlight can be changed by briefly pressing the same button; on, strobe, S.O.S. and off.

TECHNICAL SPECIFICATIONS

Battery capacity	12,000mAh
Size	L x 170mm, W x 82mm, H x 35mm
Weight	480g
Input	15V/1A
Output	12V Jumpstart/ 2 x 5V 2.4A USB/ 19V 3.5A/ 12V 10A
Starting Current	300A
Peak current	500A
Charging time	Approx 4hrs

ENVIRONMENTAL PROTECTION



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Declaration



This apparatus meets the requirements of:
LVD IEC 60950-1:2005 (2 Edition)+A1:20091; EN 60950
1:2006/A11:2009/A1:2010/A12:2011:A2:2013
EMC EN61000-6-1:2007; EN61000-6-3:2007+A1:2011
RoHS Directive (EU) 2015/863 amending 2011/65/EU

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