

**Portable  
compressor  
will not  
inflate  
(continued)**

- The compressor may be overheated. Press the compressor power switch to turn the compressor off. Restart after a cooling down period of approximately 30 minutes.
- Check that the unit has a full charge. Recharge the unit if necessary.

## MAINTENANCE

This unit has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

**Warning!** Before performing any maintenance or cleaning of the unit, unplug it from the power supply.

- From time to time wipe the unit with a damp cloth. Do not use any abrasive or solvent-based cleaner. Do not immerse the unit in water.
- Clean the outside case of the jump starter with a soft cloth and, if necessary, mild soap solution.
- Do not allow liquid to enter the unit. Do not operate when the battery charger is wet.
- Keep the cords loosely coiled during storage to prevent damage to the cords.

## PROTECTING THE ENVIRONMENT

### Correct disposal of this product



This marking indicates that this product should not be disposed with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

Separate collection of used products and packaging allows materials to be recycled and used again.

Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.



Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

## TECHNICAL DATA

Battery Type	12V, 17Ah, sealed lead acid
Output (instant)	450A
Output (constant for 5 seconds)	300A

## Compressor

Pressure (max) bar/p.s.i 8.27/120

## Mains charging adapter

Input 100-240V ac, 50/60Hz  
Output 14,5V dc (750mA)

## WARRANTY

**Our goods come with guarantees that cannot be excluded under the Australian & New Zealand Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.**

Baccus Worldwide LLC is confident of the quality of its products and offers an outstanding warranty. This warranty statement is in addition to and in no way prejudices your statutory rights under the Australian & New Zealand Consumer Law.

If a Baccus Worldwide LLC product becomes defective due to faulty materials, workmanship or lack of conformity, within 24 months from the date of purchase, Baccus Worldwide LLC guarantees to replace defective parts, repair products subjected to fair wear and tear or replace such products to make sure of the minimum inconvenience to the customer unless:

- The product has been used for trade, professional or hire purposes;
- The product has been subjected to misuse or neglect;
- The product has sustained damage through foreign objects, substances or accidents;
- Repairs have been attempted by persons other than Baccus Worldwide LLC service staff.

To claim on this warranty, you will need to submit proof of purchase and return the allegedly defective product to Baccus Worldwide LLC's local market distributor, at your expense.

Please visit our website [www.baccusworldwide.com](http://www.baccusworldwide.com) to register your new Baccus Worldwide LLC product and to be kept up to date on new products and special offers. Further information on the Baccus Worldwide LLC brand and our range of products is available at [www.baccusworldwide.com](http://www.baccusworldwide.com).

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# BLACK+DECKER

## 450 AMP SLIM JUMP STARTER WITH COMPRESSOR INSTRUCTION MANUAL



Cat. # BDJ5450IAU  
RD091216

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Printed in China



# INSTRUCTION MANUAL

## INTENDED USE

Your Black & Decker jump starter is designed to provide additional power to lead-acid batteries when starting car engines; the cordless compressor is designed inflate car tyres and sports equipment. This product is intended for household, consumer use only.

## SAFETY INSTRUCTIONS

**Warning!** When using battery-powered appliances, basic safety precautions, including the following, should always be followed to reduce the risk of fire, leaking batteries, personal injury and material damage.

- Read all of this manual carefully before using the appliance.
- The intended use is described in this manual. The use of any accessory or attachment or the performance of any operation with this appliance other than those recommended in this instruction manual may present a risk of personal injury.
- Retain this manual for future reference.

## Using your appliance

Always take care when using the appliance.

- This appliance is not intended for use by young or infirm persons without supervision.
- The appliance is not to be used as a toy.
- Use in a dry location only. Do not allow the appliance to become wet.
- Do not immerse the appliance in water.
- Do not open body casing. There are no user-serviceable parts inside.
- Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- To reduce the risk of damage to plugs and cords never pull the cable to remove the plug from a socket.
- Never smoke or allow a spark or flame in vicinity of vehicle battery, engine or this unit.
- Place this unit as far away from the battery as cables permit.
- Never allow battery acid to come in contact with this unit.
- Do not operate this unit in a closed area or restrict ventilation in any way.

## After use

- When not in use, the appliance should be stored in a dry, well ventilated place out of the reach of children.
- Children should not have access to stored appliances.
- When the appliance is stored or transported in a vehicle it should be placed in the boot or restrained to prevent movement following sudden changes in speed or direction.

- The appliance should be protected from direct sunlight, heat and moisture.

## Inspection and repairs

- Before use, check the appliance for damaged or defective parts. Check for breakage of parts, damage to switches and any other conditions that may affect its operation.
- Do not use the appliance if any part is damaged or defective.
- Have any damaged or defective parts repaired or replaced by the manufacturer.
- Never attempt to remove or replace any parts other than those specified in this manual.

The following symbols are marked on the appliance:

	This unit is classified as Class III appliance in which protection against electric shock relies on supply at safety extra-low voltage (SELV) and in which voltages higher than those of SELV are not generated.
	Read all of this instruction manual carefully.
	Reverse polarity indicator.
	The unit is intended for indoor use only.

## Specific safety instructions for jump starters

- Vehicles may have electrical and electronic systems (e.g. engine management system, mobile phone) that may be damaged if subjected to high starting voltages and voltage peaks. Before connecting the appliance to the vehicle read the vehicle's owner's manual to confirm that external-starting assistance is allowed.
- Follow these instructions and those published by the battery manufacturer, vehicle manufacturer and manufacturer of any equipment you intend to use with this unit. Review warning labels on these products and on the vehicle.
- This appliance is not designed to be used as a replacement for a vehicular battery. Do not attempt to operate a vehicle that does not have a battery installed.
- The appliance must only be connected to a 12V lead-acid battery. Do not use the appliance for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage property.

- Check the polarity of the vehicle battery terminals before connecting the appliance. Always disconnect the negative (black) jumper cable first: followed by the positive (red) jumper cable.
- The ON/OFF switch should be in the OFF position before connection to a power source or load, when the unit is charging and when not in use.
- Never allow the red and black clamps to touch each other or another common metal conductor. This could cause damage to the appliance and/or create a sparking/explosion hazard. Always store the battery clamps in the built-in holders when not in use.
- When using this unit in proximity to the vehicle's battery and engine, stand the unit on a flat, stable surface, and be sure to keep all clamps, cords, clothing and body parts away from moving parts of the vehicle.
- This appliance contains a sealed lead-acid battery. It is recommended that the appliance is laid flat during storage, use, and recharging.
- Excessive engine cranking can damage a vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedures and look for other problems that may need to be corrected.
- Do not use this jump-starter on a watercraft. It is not qualified for marine applications.

**Warning! Burst hazard:** Do not use the unit for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage property. Use the unit for charging/boosting a lead-acid battery only. It is not intended to supply power to a low-voltage electrical system other than in a starter-motor application.

**Warning! – Risk of explosive gases:** Working in the vicinity of a lead-acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of utmost importance that each time, before using your jump starter, you read this manual and follow the instructions exactly.

Explosive gas may be vented from the lead acid batteries when charging and under extreme conditions battery leakage may occur. Ensure the area is well ventilated when conducting jump starting and charging procedures.

- Do not charge the appliance using the 12V connector when the vehicle is occupied. Ensure the area is well ventilated.
- To reduce the risk of electric shock, disconnect the appliance from any power source before attempting maintenance or cleaning. Turning off controls without disconnecting the appliance will not reduce this risk.
- Make sure the appliance is disconnected from all charging power sources before beginning the jump start procedure.

### **Warning! To avoid the risk of personal injury or property damage:**

- Make sure that the vehicle is in neutral with the parking brake applied.
- Make sure that the cables are not in the path of moving belts or the fan.

### **Additional safety warnings for compressors**

- For home and car use only. Inflate car and bike tyres, balls, rafts, swimming pool floats, air mattresses, and more in and around the home.
- Do not operate the compressor continuously for extended periods of time (approximately 10 minutes, depending on ambient temperatures), as it may overheat. In this event, the compressor will automatically shut down. Immediately turn off the compressor power switch. Restart the compressor after a cooling down period of approximately 30 minutes.
- The compressed air from your compressor is not safe for breathing. Never inhale air from your compressor or from a breathing device connected to the compressor.
- Inflate items only to their manufacturer's recommendations. Exceeding the pressure rating could cause them to explode resulting in personal injury.
- Do not leave compressor running unattended. It could burst tyres or other items.
- Since the vibration produced by the compressor may cause it to "walk", do not operate on a high shelf or other surface. Operate at ground or bench level.
- Do not modify or attempt to repair. Never drill into, weld, or make any modifications to the compressor or its attachments.
- Do not operate compressor when the car engine is running.
- Operate only with the accessories included or those rated for 8.27 bar/120 p.s.i. or higher. The use of any accessory not recommended for use with this tool could be hazardous.
- Do not play with the tool. High pressure air is dangerous. Don't direct air-flow at yourself or others.
- The compressor can become hot during use. Allow compressor to cool for 30 minutes before storing away.
- Never carry the compressor by the hose.
- This tool is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, 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 play with the appliance.

- Do not use the compressor when the charger is connected to the mains.
- Only use the adapter supplied.
- The gauge is intended as a guide only. Tyre pressures should be regularly checked with a certified gauge.

### **Additional safety instructions for batteries and chargers**

#### **BATTERIES**

- Never attempt to open for any reason.
- Do not expose the battery to water.
- Do not store in locations where the temperature may exceed 40°C.
- Charge only at ambient temperatures between 4°C and 40°C.
- Charge only using the chargers provided with the appliance.
- When disposing of batteries, follow the instructions given in the section "Protecting the environment".
- Under extreme conditions, battery leakage may occur. When you notice liquid on the batteries, carefully wipe the liquid off using a cloth. Avoid skin contact.
- In case of skin or eye contact, follow the instructions below.

**Warning!** The battery fluid is a diluted sulphuric acid and may cause personal injury or damage to property. In case of skin contact, immediately rinse with water. If redness, pain or irritation occurs seek medical attention. In case of eye contact, rinse immediately with clean water and seek immediate medical attention.

#### **CHARGERS**

**The following symbols are found on your mains charger:**

	Your charger is double insulated; therefore no earth wire is required.
	Your charger is a switch mode power supply unit.
	Your charger incorporates a short-circuit-proof safety isolating transformer (inherently or non-inherently)
	Indication of correct connection of your charger.
	The charger is intended for indoor use only.

	Your charger meets the Energy Efficiency Level V standard for no-load condition electric power consumption and average active efficiency of external power supplies.
IP20	Your charger is rated to IP20 degree of protection provided by the enclosure.

Your charger has been designed for a specific voltage. Always check that the mains voltage corresponds to the voltage on the rating plate.

**Warning!** Never attempt to replace the charger unit with a regular mains plug.

Use your charger only to charge the battery in the tool with which it was supplied. Other batteries could burst, causing personal injury and damage.

- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose the charger to water.
- Do not open the charger.
- Do not probe the charger.
- The battery must be placed in a well ventilated area when charging.

### **Electrical safety**

Always check that the power supply corresponds to the voltage on the rating plate.

- If the supply cord is damaged, it must be replaced by the manufacturer in order to avoid a hazard.

### **PERSONAL SAFETY**

Always have protective eyewear when using this product: contact with battery acid may cause blindness and/or severe burns. Be aware of first aid procedures in case of accidental contact with battery acid.

Avoid touching the eyes while working with a battery. Acid, acid particles or corrosion may get into the eyes. Have plenty of fresh water and soap nearby in case battery acid contacts skin.

Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead-acid battery. A lead-acid battery can produce a short circuit current high enough to cause a severe burn.

Be extra cautious to reduce the risk of dropping a metal object onto the battery. This might cause sparks or short-circuit the battery or other electrical part, which can cause an explosion.

**Warning!** Battery fluid is a diluted sulphuric acid and may cause personal injury or damage to property. In case of skin or eye contact, follow the instructions below.

- In case of skin contact, immediately rinse with water. If redness, pain or irritation occurs seek medical attention.



- In case of eye contact, rinse immediately with clean water and seek immediate medical attention.

## FEATURES

1. Compressor on/off switch
2. Air hose with SureFit™ nozzle and nozzle adapter
3. Air pressure gauge
4. Heavy-duty clamps
5. LED area light on/off button
6. Reverse polarity indicator
7. Jumper cables
8. Mains charging adapter
9. Jump-starter power switch
10. LED area light
11. Battery status pushbutton
12. Carry handle
13. Battery status LED indicators
14. 12 Vdc charging socket
15. Accessory storage

## CHARGING THE UNIT

This unit is shipped in a partially charged state.

- Charge the unit before first use using the mains charging adapter for 48 hours.

Lead-acid batteries require routine maintenance to ensure a full charge and a long battery life. All batteries lose energy from self-discharge over time and more rapidly at higher temperatures. When the unit is not in use, Black & Decker recommend that the battery is charged at least every 30 days.

- Check the battery charge level by pressing the battery status pushbutton. The LED charge status display will indicate the level of battery charge. When only one red LED lights, charge the unit.

**Note:** Charging the battery after each use will prolong the battery life; frequent heavy discharges between charges and/or overcharging will reduce battery life.

**Important!** When the battery is overly discharged and if the green LED is lit when the charger is plugged in, this indicates the battery is at a high impedance stage. In this event, recharge the unit and leave the unit charging for a period of 24-48 hours before use.

## Charging the unit with the mains charger

Make sure that the jump-starter power switch and the LED area light are turned off while the unit is being charged. As charging progresses, the battery status LED indicators will light one by one.

- Insert the jack of the mains charging adapter into the dc charging socket on the front of the unit.
- Insert the mains charging adapter plug into a mains power socket.
- As charging progresses, the battery status LED indicators will light one by one.

- Charge the unit until the green battery status LED lights or flashes.

- Continue to charge for one to two more hours.

**Note:** The mains charging adapter should not be connected for more than 60 hours.

- When charging is complete, disconnect the mains charging adapter and store it in a safe place.

## USE

### Using the jump-starter

**Caution! To reduce the risk of property damage:**

- Make sure that the vehicle is in neutral with the parking brake applied.
  - Make sure that the cables are not in the path of moving belts or the fan.
1. Turn off the vehicle's ignition and all accessories before making any connections.
  2. Make sure that the jump-starter power switch is turned off.
  3. Check polarity of battery posts. Positive (POS, P, +) battery post usually has larger diameter than negative (NEG, N, -) post.
  4. Determine which post of the battery is grounded (connected to the chassis). If negative post is grounded (as in most vehicles), see 5. If positive post is grounded, see 6.
  5. For negative-grounded vehicle, connect positive (red) clamp from battery charger to positive (POS, P, +) ungrounded post of battery. Connect negative (black) clamp to vehicle chassis or engine block away from battery. Do not connect clip to carburetor, fuel lines, or sheet-metal body parts. Connect to heavy gauge metal part of the frame or engine block.
  6. For positive-grounded vehicle, connect negative (black) clamp from battery charger to negative (NEG, N, -) ungrounded post of battery. Connect positive (red) clamp to vehicle chassis or engine block away from battery. Do not connect clip to carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- Important!** If the connections to the battery's positive and negative terminals are incorrect, the Reverse Polarity Indicator will light and the unit will sound a continuous alarm until the clamps are disconnected. Disconnect clamps and reconnect to battery with correct polarity.
7. Turn the jump-starter power switch to the on position.
  8. Start the vehicle and crank the engine in 3 to 6 second bursts.
- Important!** If the engine doesn't start within 6 seconds let the units internal battery cool for 3 minutes before making another attempt.

9. When the vehicle starts, turn the jump-starter off/on switch to the off position.

10. Leave the vehicle's engine running.

11. Disconnect the clamp connected to the engine block or chassis first, followed by the clamp that is connected to the battery.

Recharge this unit fully after each use.

**Caution! To reduce the risk of property damage:**

- Vehicles may have electrical and electronic systems (e.g. engine management systems, mobile phones) that may be damaged if subjected to high starting voltages and voltage peaks. Before connecting the appliance to the vehicle, read the vehicle's owner's manual to confirm that external starting assistance is allowed.
- If vehicle fails to start, turn off the ignition, turn off the Jump-Starter Power Switch, disconnect the jump-start system's leads and contact a qualified technician to investigate why the engine did not start.

## Using the LED area light

- The LED area light on/off button turns the LED area light on and off.
  - Periodically press the battery power level button to check battery status.
- Make sure the area light is turned off when the unit is being recharged or stored.

## Using the portable compressor

The built-in 12 volt DC compressor is the ultimate compressor for all vehicle tires, trailer tires and recreational inflatables. The compressor can operate long enough to fill up to 3 average sized tires before the battery must be recharged.

Return the hose to the storage compartment and recharge this unit fully after each use.

## INFLATING TIRES OR PRODUCTS WITH VALVE STEMS

1. Screw the SureFit™ nozzle onto the valve stem. Do not overtighten.
2. Turn on the compressor power switch.
3. Check pressure with the pressure gauge.
4. When desired pressure is reached, turn off the compressor power switch.
5. Unscrew and remove the SureFit™ nozzle from the valve stem.
6. Allow the unit to cool, then recharge before storing away.
7. Store the compressor hose and SureFit™ nozzle in the storage compartment.

## INFLATING OTHER INFLATABLES WITHOUT VALVE STEMS

Inflation of other items requires use of the nozzle adapter.

1. Screw the adapter into the SureFit™ nozzle. Do not overtighten.
2. Insert the adapter into item to be inflated.

3. Turn on the compressor power switch — inflate to desired pressure or fullness. **Important!** Small items such as volleyballs, footballs, etc. inflate very rapidly. Do not over-inflate.
4. When desired pressure is reached, turn off the compressor power switch.
5. Disconnect the adapter from the inflated item.
6. Unscrew and remove the adapter from the SureFit™ nozzle.
7. Allow the unit to cool, then recharge before storing away.
8. Store the compressor hose, SureFit™ nozzle and adapter in the storage compartment.

Recharge this unit fully after each use.

## TROUBLESHOOTING

<b>Unit will not charge</b>	<ul style="list-style-type: none"> <li>• Make sure the power switch is in the off position.</li> <li>• Make sure the jack of the mains charging adapter is properly connected to both the unit and a functioning mains power socket.</li> </ul>
<b>Unit fails to jump-start</b>	<ul style="list-style-type: none"> <li>• Make sure the jump-starter on/off switch is in the on position.</li> <li>• Make sure a proper polarity cable connection has been established.</li> <li>• Check that the unit has a full charge. Recharge unit if necessary.</li> </ul>
<b>LED Area Light does not come on</b>	<ul style="list-style-type: none"> <li>• Make sure the LED area light button is turned on.</li> <li>• Check that unit has a full charge. Recharge the unit if necessary.</li> </ul>
<b>Portable compressor will not inflate</b>	<ul style="list-style-type: none"> <li>• Make sure the compressor power switch is in the on position.</li> <li>• Make sure the nozzle connector is securely screwed on to the valve stem when attempting to inflate tires; or that the nozzle adapter is securely screwed into the SureFit™ nozzle connector and is inserted properly into the item to be inflated on all other inflatables.</li> </ul>