

JumpBoost™ V8 Air



User's Manual



CHARGE UNIT FOR 48 HOURS BEFORE FIRST USE.

We are constantly improving our products so specifications are subject to change without notice.

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User's Manual—Read before using this equipment

Thank you for purchasing the JumpBoost™ V8 Air by Wagan Tech®. With normal care and proper treatment, it will provide years of reliable service.

IMPORTANT INFORMATION

- Please read and understand all warnings, cautions, and notes included in this manual before using the JumpBoost™ V8 Air. Follow instructions provided by your vehicle manufacturer and other devices intended to be used with this unit. Keep these instructions for future reference.
- Make sure the JumpBoost is fully charged before first use. We recommend 48 hours for initial charge.

GENERAL WARNINGS

- This appliance is NOT intended for use by persons with reduced physical, sensory, or mental capabilities.
- Children or persons lacking in experience and knowledge also should NOT operate this appliance unless he/she has been given supervision or instruction concerning the proper usage and warnings of the appliance by a person responsible for their safety.
- For proper and safe operation of any accessory outlet, do not place anything in it except the plug of the accessory to be used.
- Use only the chargers, cables, and clamps provided. Unauthorized parts may damage the unit.
- This product has no consumer serviceable parts other than the external fuse. Do not attempt to open the unit's enclosure, doing so will void the warranty.

STORAGE

This unit may be stored in any position. Make sure the clamps and air hose are securely tucked away in their original positions. Store in a cool, dry area. If the unit is not used for a prolonged period of time, recharge every 3 months.

PROPER DISPOSAL

- Appliance, accessories, and packaging should be recycled in an environmentally friendly manner. Plastic parts are coded for purposes of separation when recycling.
- Accumulators and battery-powered electrical appliances contain materials which are harmful to the environment. Do not dispose of batteries and/or electric/electronic appliances in normal household refuse. When the battery has reached the end of its lifetime, please take the entire unit to a battery recycling facility.

JumpBoost™ V8 Air by Wagan Tech®

PRODUCT FEATURES

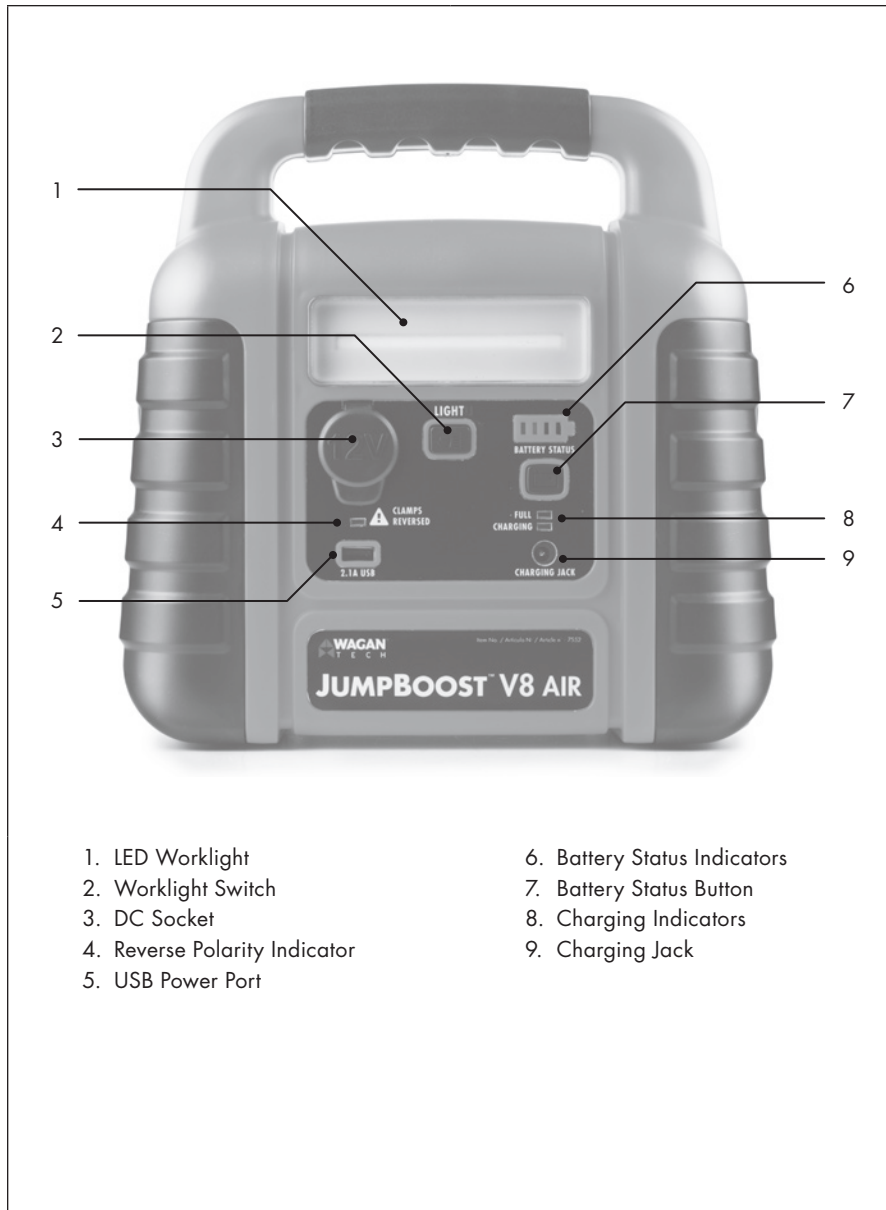
- Powerful jump starter with heavy-duty cables and clamps.
- LED indicator for checking battery status.
- High-pressure air compressor for inflating tires and sports equipment with easy-read analog pressure gauge.
- DC accessory outlet for powering DC appliances.
- USB power port for charging mobile devices.
- Bright, long-lasting LED worklight.
- AC/DC recharging adapter & DC recharging cable (fused) included.

SPECIFICATIONS

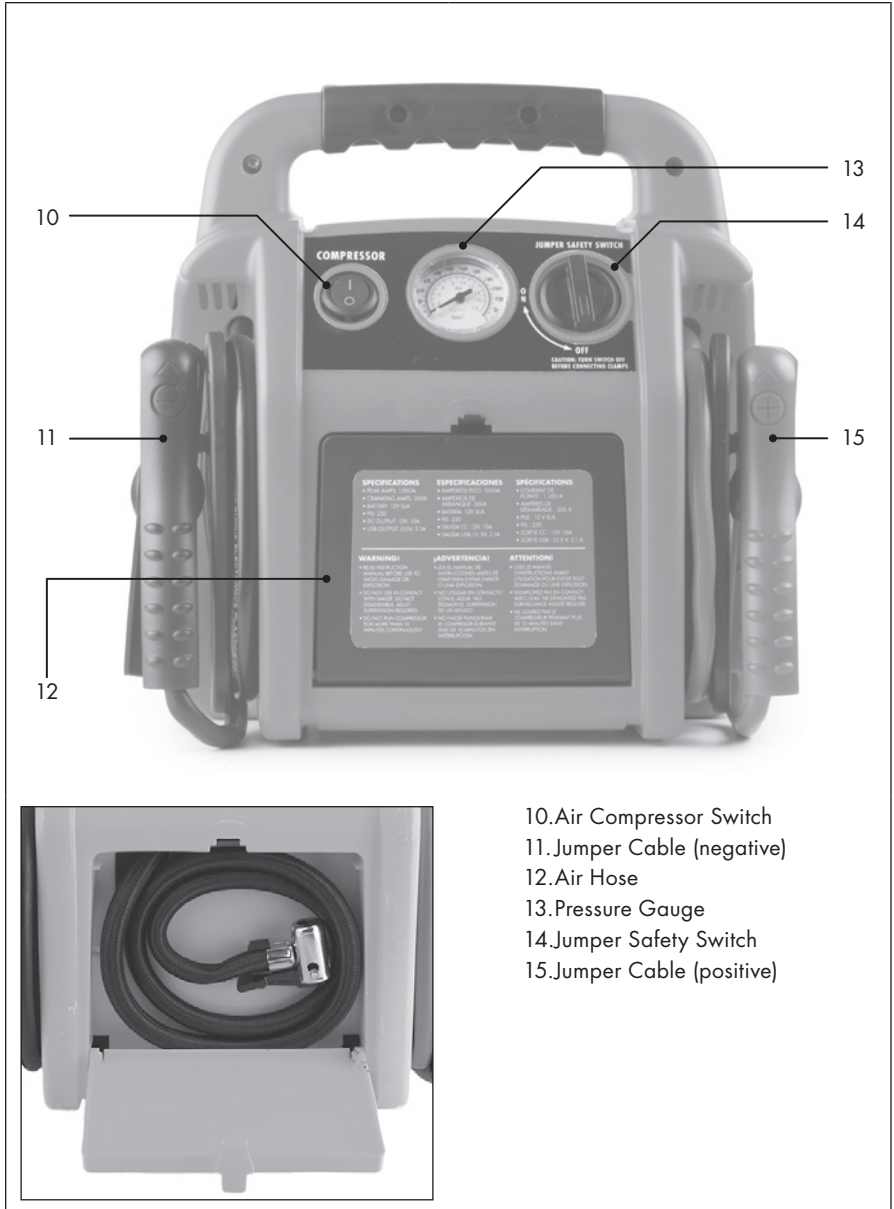
Battery	AGM Sealed lead acid, 12V, 12 Ah
Peak Amps	1,000A
Cranking Amps	300A
Jumper Cables	5 AWG, 24-inch
Air Compressor	260 PSI, analog gauge
DC Socket	12V, 10A max, 120W
USB Power Port (x1)	5V, 2.1A
Work Light	COB LED, 200 lumens
Charging Time (AC)	30 hours
Charging Time (DC—with engine running)	10 hours
Dimensions HxWxD (inches)	11 x 10.5 x 6.5
Weight (lb)	12.0
AC Charging Adapter Output	12V, 500mA DC



FRONT VIEW



REAR VIEW



- 10. Air Compressor Switch
- 11. Jumper Cable (negative)
- 12. Air Hose
- 13. Pressure Gauge
- 14. Jumper Safety Switch
- 15. Jumper Cable (positive)

BATTERY STATUS

The color LED indicators on the front of the unit provide the current state of charge on the internal battery. It is the user's responsibility to periodically monitor the battery's status and recharge every 3 months in addition to recharging after each use.

1. Disconnect any input or output power cords and turn off all switches.
2. Press and hold the Battery Status button.
3. Observe the color LED indicators to determine battery status.
 - Red (only): Battery is discharged. Charge immediately.
 - Red and Yellow: Battery should be charged before jumpstarting a vehicle
 - Red-Yellow-Green: Partially discharged; recharge when practical.
 - Red-Yellow-Green-Green: Battery is fully charged when all lights are lit

CHARGING THE JUMPBOOST



ELECTRICAL SHOCK! Exposure to water may cause electrical shock. Exposure to water and excessive moisture will also damage the unit and void the warranty.

Charge your JumpBoost in an upright position for a full 48 hours before initial use. Continue to maintain the life of your JumpBoost (as with all lead-acid batteries) by fully recharging the unit every 3 months even if the JumpBoost has not been used.

AC Charging

Only use the AC charging adapter supplied with this unit. Make sure the supplied AC/DC charging adapter is to be powered by the correct voltage (110V AC or 220V AC depending on your country/region).

1. Make sure all JumpBoost switches are off.
2. Plug the DC end of the AC/DC charging adapter into the JumpBoost's charging jack.
3. Connect the AC end of the AC/DC charging adapter to the wall outlet.
4. The Charging Indicator will light up during the charging process. The JumpBoost can be charged continuously via AC adapter without damaging the internal battery.
5. When charging is complete, the Full indicator will illuminate. Disconnect the adapter from the AC outlet first, then from the charging jack.
6. Press the Battery Status Button and observe the Battery Status Indicators for the state of charge on the unit's internal battery.

DC Charging in Your Vehicle or Boat

Only use the DC charging adapter supplied with this unit. Your vehicle **engine must be running** while charging the Battery Jumper. **Do NOT exceed 12 hours** of continuous charging time.

1. Make sure all Battery Jumper switches are off.
2. Plug the small end of the DC power cord into the JumpBoost's charging jack.

3. Plug the large end of the DC power cord into an accessory (cigarette lighter) socket.
4. The Charging Indicator will light up red during the charging process. **Do NOT charge for more than 12 hours at one time.**
5. When charging is complete, the green Full indicator will illuminate. Disconnect the power cord from the accessory socket first, then from the unit's charging jack.
6. Press the Battery Status Button and observe the Battery Status Indicators for the state of charge on the unit's internal battery.

JUMP STARTER

Warnings

- Lead-acid batteries can release explosive gasses. Failure to follow instructions may cause property damage, explosion hazard, and/or personal injury.
- Do not smoke while jump starting.
- Jump start a vehicle or boat in a well ventilated area.
- Do not attempt to jump start a frozen battery.
- This product is not intended for use in the rain or temperatures above 113°F.
- Do not let the jumper cables or other attached appliances get wet.
- Do not wear vinyl clothing when jump starting—friction can cause static electricity sparks.
- Remove all metal jewelry to avoid short circuits.
- Always use safety glasses when jump starting battery. Keep battery terminals clean and be careful to keep corrosion from coming in contact with eyes—acid can cause blindness and/or severe burns.
- Never allow red and black clamps to touch or connect to the same piece of metal—this can cause short-circuits, power arcing, and/or explosion.
- Make sure someone is available to give assistance if needed.
- Keep out of reach of children.

Procedure

CAUTION: If the engine fails to start after three attempts, discontinue jump start procedure. Excessive engine cranking can damage the vehicle's starter motor. Look for other problems that may need to be corrected or call for professional service.

1. Review the jump starter warnings.
2. Put the vehicle's gear in "park" position and make sure the brake is set.
3. Turn off the vehicle ignition and accessories (e.g. radios, lights, air conditioners), and disconnect all devices such as GPS and mobile phones or tablets.
4. Turn off all JumpBoost switches and disconnect all accessories.



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5. Determine the polarity of the vehicle's battery terminals. The positive (POS, P, +) battery terminal is usually larger in diameter than the negative (NEG, N, -) terminal. If you are unsure, you should refer to the vehicle owner's manual.
6. Determine the ground system of your vehicle.
 - If vehicle to be started has a negative ground system (this is most common):
 - a. Connect the red (+) cable clamp first to the vehicle's positive (red) battery terminal.
 - b. Next, connect the black (-) clamp to the vehicle chassis or a solid, non-moving, metal vehicle component or body part. DO NOT clamp directly to negative battery terminal or a moving part.
 - If vehicle to be started has the positive battery terminal connected to chassis (this is rare and usually found in older car models from the 1950s or earlier):
 - a. Connect the black (-) clamp first to vehicle battery's negative (black) terminal.
 - b. Connect red (+) clamp to vehicle chassis or a solid, non-moving, metal vehicle component or body part. DO NOT clamp directly to positive battery terminal or a moving part.
7. Observe the color of the Reverse Polarity Protection Indicator to see if the clamps are properly connected.
 - If the light is RED and the unit is beeping, **DO NOT TURN ON THE JUMPER SAFETY SWITCH!**
 - a. Cable clamps need to be reversed.
 - b. Disconnect the black clamp first then the red clamp.
 - c. Reconnect and observe the indicator again.
 - If the light is not illuminated and there is no beeping, turn on the Jumper Safety Switch.
 - a. Inside the vehicle, turn on the ignition switch and attempt to start the engine.
 - b. Crank a maximum of 3 seconds. If the engine does not start, wait 3 minutes before the next attempt.
 - c. After the engine starts, turn off the Jumper Safety Switch.
 - d. Disconnect the clamps in the reverse order of connection prior to jumpstarting. Be sure that the cables and clamps are securely stored.
8. Recharge the JumpBoost as soon as convenient.

AIR COMPRESSOR

The JumpBoost is equipped with an air compressor that can provide up to 250 PSI (pounds per square inch) of pressure for a variety of uses such as vehicle tires and sports equipment.

CAUTION: Be careful not to over inflate, monitor the compressor gauge while inflating. Never connect or disconnect the nozzle with the compressor operating. To avoid overheating, do not operate the air compressor for more than 10 minutes at a time. After 10 minutes, allow the compressor to cool for 15 minutes before using again.

Procedure

In the event that the vehicle tire is completely flat, raise the vehicle using a recommended jack before inflating the tire.

1. Before any tire inflation, look for manufacturer's recommended inflation pressure.
2. Open the compartment door at the rear of the JumpBoost and extend the air hose.
3. Position the JumpBoost so that you can see the pressure gauge.
4. Make sure the chuck lever is positioned up (away from the chuck opening).
5. Determine if you will need an air hose adapter for your object.
 - To inflate a vehicle tire:
 - a. Remove the valve cap from the valve stem of the tire.
 - b. Attach the chuck of the air hose to the tire's valve stem.
 - c. Push the chuck lever down to secure the chuck to the valve stem.
 - To inflate a sports equipment, air mattress, rafts, or other plastic inflatables:
 - a. Insert the proper valve stem adapter into stem connector as far as possible.
 - b. Push the chuck lever down to secure the adapter.
 - c. Remove the valve cap from your inflatable object if there is one.
 - d. Insert the other end of the valve stem adapter into inflatable's air valve opening as far as possible.
6. Set the Air Compressor Switch on to the "I" position to start inflation.
7. Monitor the pressure gauge while inflating the tire.
8. When recommended tire pressure has been reached, turn off the air compressor.
9. Disconnect the hose and replace valve cap.
10. Return the hose back to its compartment for storage.
11. Recharge the JumpBoost as soon as it is convenient.

DC OUTPUT SOCKET

The DC accessory socket can power a DC load up to 10 Amps. Overloading the socket will result in tripping a self-resetting circuit breaker. Removing the overload automatically restores power to the DC socket. For proper and safe operation of the 12 Volt DC power accessory outlet, do not place anything into it except the 12V DC plug of the accessory to be used.

1. Check the required current draw of the appliance/device to be powered and make sure it does not exceed the JumpBoost's maximum wattage.
2. Open the dust cover from the DC socket.
3. Insert the 12V DC accessory plug into the socket.
4. Operate the appliance as usual.
5. After use, disconnect the accessory plug from the DC socket.
6. Replace the dust cover.
7. Recharge the JumpBoost as soon as convenient.

USB POWER PORT

- Connect a user-supplied USB cable to the USB power port on the JumpBoost.
- When charge is complete, disconnect the USB cable from the JumpBoost.

WORKLIGHT

- Press the light switch on the front of the unit to turn the light on or off.