

**acetek HH-744**

# acetek 1800 Amp Jump Starter with Air Compressor User Manual

Model: HH-744

Brand: acetek

## INTRODUCTION

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Thank you for choosing the acetek 1800 Amp Jump Starter with Air Compressor. This versatile device is designed to provide reliable jump-starting power for 12V vehicles (up to 6L Gas or 6L Diesel engines), inflate tires with its built-in 260 PSI air compressor, and serve as a portable power bank for your electronic devices. Please read this manual thoroughly before use to ensure safe and optimal operation.

## WHAT'S IN THE Box

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- 1x acetek Jump Starter with Air Compressor
- 1 x 12V DC Car Charger
- 3 x Valve Connector
- 1x Instruction Manual
- 1 x AC Home Charger

## PRODUCT OVERVIEW

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Familiarize yourself with the various components and controls of your acetek Jump Starter.



**Figure 1:** Front and side view of the acetek Jump Starter with key components labeled, including battery power indicator lights, charging indicator light, input charging socket, work light, work light ON/OFF switch, reverse battery polarity LED indicator, 5V 2.1A USB power outlet, 12V/10A DC power outlet, 12V DC socket and USB ON/OFF switch, positive (red) and negative (black) booster clamps, air compressor pressure gauge, compressor ON/OFF switch, master ON/OFF switch, and air inflator output with valve connectors.

- **Battery Power Indicator Lights:** Show the current charge level of the internal battery.
- **Charging Indicator Light:** Illuminates when the unit is charging.
- **Input Charging Socket:** For connecting the AC Home Charger or DC Car Charger.
- **Work Light:** Integrated LED light for illumination in dark conditions.
- **Work Light ON/OFF Switch:** Activates or deactivates the work light.
- **Reverse Battery Polarity LED Indicator:** Alerts if clamps are connected incorrectly.
- **5V 2.1A USB Power Outlet:** For charging mobile phones, tablets, and other USB-powered devices.
- **12V/10A DC Power Outlet:** For powering 12V vehicle accessories.
- **12V DC Socket and USB ON/OFF Switch:** Controls power to the DC and USB outlets.
- **Positive (Red) and Negative (Black) Booster Clamps:** For connecting to vehicle battery terminals.
- **Air Compressor Pressure Gauge:** Displays current tire pressure during inflation.

- **Compressor ON/OFF Switch:** Activates or deactivates the air compressor.
- **Master ON/OFF Switch:** Main power switch for the unit.
- **Air Inflator Output:** Connection point for the air hose and valve connectors.

## SETUP

### Initial Charging

Before first use, fully charge the acetek Jump Starter. This ensures optimal performance and extends battery life.

1. Connect the AC Home Charger to the Input Charging Socket on the jump starter.
2. Plug the AC Home Charger into a standard wall outlet (110V).
3. The Charging Indicator Light will illuminate. Allow the unit to charge until all Battery Power Indicator Lights are solid, indicating a full charge.
4. Alternatively, you can charge the unit using the 12V DC Car Charger by plugging it into your vehicle's 12V accessory socket.



Figure 2: The acetek Jump Starter can be charged using either the included 110V AC home charger or the 12V DC car charger.

## OPERATING INSTRUCTIONS

### Jump Starting a Vehicle

This unit is designed to safely jump start 12V vehicles with up to 6L Gas or 6L Diesel engines.

1. Ensure the vehicle's ignition is OFF and all accessories (lights, radio, etc.) are turned off.
2. Turn the Master ON/OFF Switch on the jump starter to the OFF position.
3. Connect the **red** positive (+) booster clamp to the**positive (+) terminal** of the vehicle's dead battery.
4. Connect the **black** negative (-) booster clamp to a clean, unpainted metal part of the vehicle's engine block or chassis, away from the battery and fuel lines. **DO NOT connect the black clamp directly to the negative (-) terminal of the dead battery.**
5. Ensure connections are secure. If the Reverse Battery Polarity LED Indicator illuminates, immediately disconnect the clamps and re-connect them correctly.
6. Turn the Master ON/OFF Switch on the jump starter to the ON position.
7. Attempt to start the vehicle. If it does not start immediately, wait 30-60 seconds before trying again. Do not crank the engine for more than 5 seconds per attempt.

8. Once the vehicle starts, immediately turn the Master ON/OFF Switch on the jump starter to the OFF position.
9. Disconnect the **black** negative (-) clamp first, then the **red** positive (+) clamp.
10. Allow the vehicle to run for at least 20 minutes to recharge its battery.

## Two Ways to Charge



**Figure 3:** Visual steps for jump starting: 1. Connect clamps to car battery. 2. Turn on the jump starter. 3. Start your vehicle. 4. Remove the jumper cable.

Your browser does not support the video tag. This video demonstrates the process of using the acetek Jump Starter with Air Compressor to jump start a vehicle. It shows connecting the clamps to the car battery and initiating the jump start.

**Video 1:** Official demonstration of the acetek Jump Starter with Air Compressor in action, showing the jump-starting procedure.

### Using the Air Compressor

The built-in 260 PSI air compressor is suitable for inflating vehicle tires, bicycle tires, sports balls, and other inflatables using the provided valve connectors.

1. Ensure the Master ON/OFF Switch is in the ON position.
2. Select the appropriate valve connector for the item you wish to inflate and securely attach it to the Air Inflator Output hose.
3. Connect the valve connector to the item's valve stem.
4. Turn the Compressor ON/OFF Switch to the ON position.
5. Monitor the Air Compressor Pressure Gauge to reach the desired pressure.
6. Once the desired pressure is reached, turn the Compressor ON/OFF Switch to the OFF position.
7. Disconnect the valve connector from the item.

# 260PSI Air Compressor



Figure 4: The acetek Jump Starter's integrated air compressor in use, inflating a car tire. The unit features a pressure gauge for accurate inflation.



**Figure 5:** The 260 PSI air compressor can inflate various items, including car tires, bicycle tires, motorcycle tires, swimming rings, balls, and kayaks, using the three different nozzles provided.

## Charging Electronic Devices (Power Bank Function)

The 20000mAh power station includes two USB output ports (5V 2.1A) and a 12V/10A DC port for charging or powering various electronic devices.

1. Ensure the Master ON/OFF Switch is in the ON position.
2. For USB devices: Connect your device's USB charging cable to one of the 5V 2.1A USB Power Outlets.
3. For 12V devices: Connect your 12V device (e.g., car fridge, vacuum cleaner) to the 12V/10A DC Power Outlet.
4. Turn the 12V DC Socket and USB ON/OFF Switch to the ON position to begin charging/powering.
5. When finished, turn the 12V DC Socket and USB ON/OFF Switch to the OFF position and disconnect your devices.



**Figure 6:** The acetek Jump Starter features dual USB outputs (5V/2.1A) capable of charging smartphones and tablets.



**Figure 7:** The 12V/10A DC output port can power various vehicle accessories, such as portable air pumps or car vacuum cleaners.

## Using the Emergency LED Light

The built-in super-bright LED light can assist you in dark situations.

1. Ensure the Master ON/OFF Switch is in the ON position.
2. Press the Work Light ON/OFF Switch to turn the LED light on or off.



Figure 8: The emergency LED light provides illumination, useful for roadside emergencies or camping.

## SAFETY INFORMATION

Your acetek Jump Starter is equipped with 9 intelligent safety functions. Always follow these guidelines to prevent injury or damage to the unit or vehicle:

- Always wear eye protection when working with batteries.
- Ensure proper ventilation when charging or jump starting.
- Keep the unit away from children.
- Do not expose the unit to rain or moisture.
- Do not disassemble the unit. Refer all servicing to qualified personnel.
- Avoid short-circuiting the booster clamps.
- Do not attempt to jump start a frozen battery.
- If the Reverse Battery Polarity LED Indicator illuminates, immediately correct the connections before proceeding.
- The unit is designed for 12V systems only. Do not attempt to jump start 6V or 24V systems.
- Store the unit in a cool, dry place when not in use.
- The unit can withstand temperatures from -4°F to 140°F (-20°C to 60°C).

## MAINTENANCE

- **Recharge After Each Use:** For optimal battery life and readiness, fully recharge the jump starter immediately after each use.
- **Regular Recharging:** If the unit is not used frequently, recharge it every 3-6 months to maintain the internal battery's health.
- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on.	Battery is fully discharged.	Charge the unit fully using the AC home charger.
Vehicle does not jump start.	Incorrect clamp connection; Unit not charged; Vehicle battery severely damaged; Vehicle issue not battery related.	Check clamp connections (ensure no reverse polarity); Recharge the unit; Consult a mechanic if battery or vehicle issues persist.
Air compressor not inflating.	Hose/nozzle not securely attached; Compressor switch off; Unit not charged.	Ensure all connections are tight; Turn on compressor switch; Recharge the unit.
USB/DC outlets not providing power.	USB/DC switch off; Unit not charged.	Turn on the 12V DC Socket and USB ON/OFF Switch; Recharge the unit.

## SPECIFICATIONS

Feature	Detail
Brand	acetek
Model Number	HH-744
Peak Output Current	1800 Amps
Amperage	1600 Amps
Engine Compatibility	Up to 6L Gas or 6L Diesel Engine (12V vehicles)
Air Compressor Pressure	260 PSI
USB Output	5V 2.1A (Dual Ports)
DC Output	12V 10A
Battery Capacity	20000mAh (Internal Lead-Acid Battery)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Product Dimensions	11"D x 7.48"W x 9.88"H
Item Weight	16.7 Pounds

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact acetek customer service directly. Keep your purchase receipt for warranty claims.