

## VECTOR PPRH5V

# VECTOR PPRH5V Automotive Jump Starter User Manual

Model: PPRH5V

## PRODUCT OVERVIEW

The VECTOR PPRH5V is a versatile 6-in-1 portable power station designed to provide reliable power for various automotive and outdoor needs. It features a powerful jump starter, a 500W power inverter, a 120 PSI air compressor, and a 10W USB port for charging electronic devices. Its rugged construction ensures durability, and the digital display provides clear operational information.



Figure 1: Front view of the VECTOR PPRH5V Automotive Jump Starter.

## IMPORTANT SAFETY INFORMATION

**WARNING:** This product contains chemicals known to the State of California to cause cancer and reproductive harm. For more information, please visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

- Always read and understand all instructions before using this product.
- Wear eye protection when working with batteries.

- Ensure proper ventilation when charging or operating the unit.
- Keep out of reach of children.
- Do not expose the unit to rain or wet conditions.
- Do not disassemble the unit; refer all servicing to qualified personnel.

## WHAT'S IN THE BOX

The VECTOR PPRH5V package includes the following components:

- VECTOR PPRH5V Automotive Jump Starter Unit
- Heavy-duty Jumper Cables with Powder-Coated Metal Clamps
- Built-in AC Charging Adapter
- Sports Needle Adapter for Air Compressor

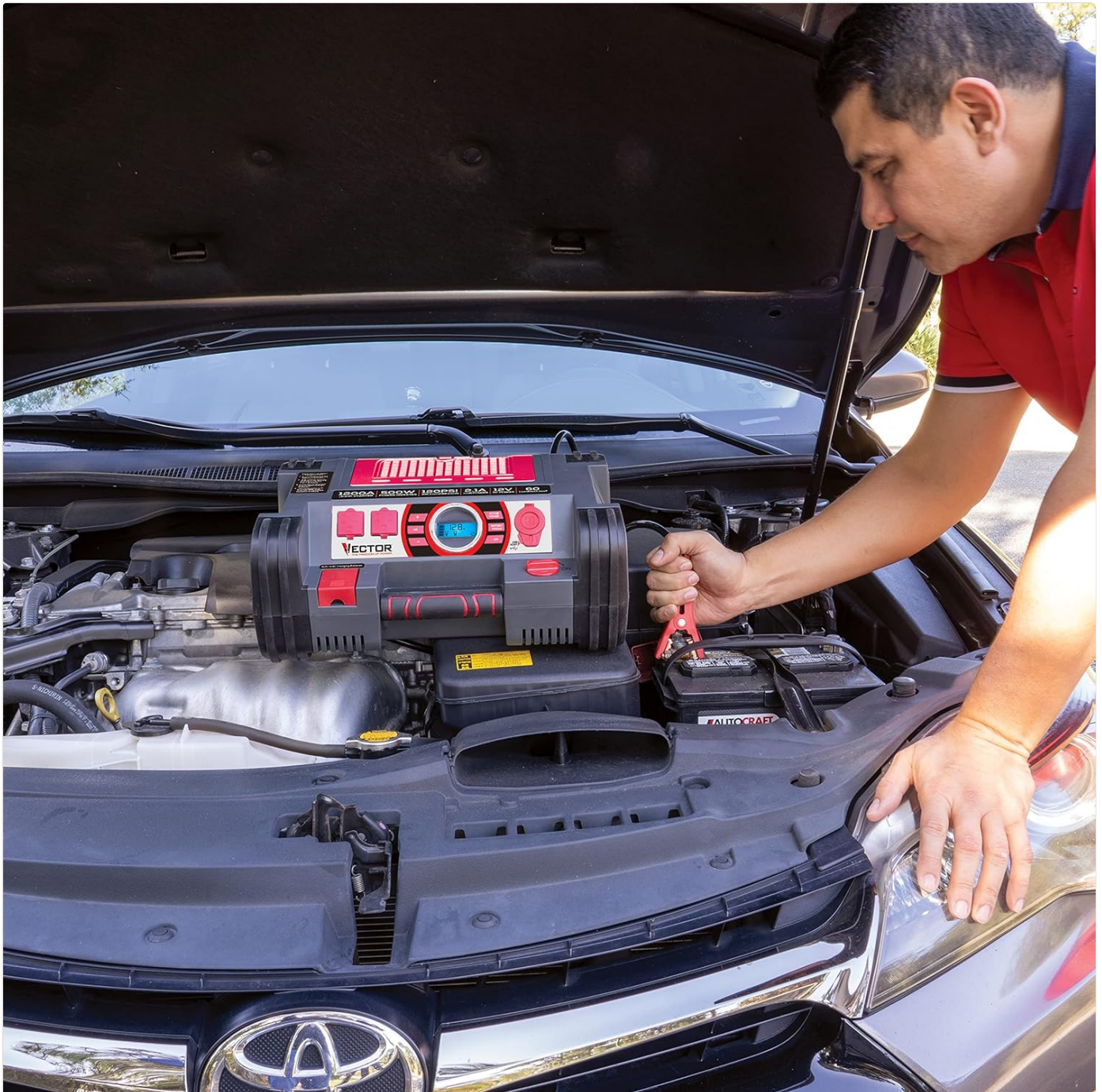


Figure 2: Included components: Jump Starter unit and Sports Needle Adapter.

## SETUP AND CHARGING

Before first use, fully charge the unit. Regular charging is recommended to maintain battery health.

### Initial Charging

1. Locate the built-in AC charging adapter on the unit.
2. Plug the AC charging adapter into a standard 120V AC wall outlet.
3. The digital display will indicate charging status. Charge until the unit shows a full charge.



Figure 3: Built-in 120V AC Charging Adapter for convenient recharging.

### Battery Status Check

The digital display provides real-time battery status. Ensure the unit is adequately charged before use, especially for jump-starting.





Figure 4: Easy-to-read digital display showing operational information like PSI and battery status.

## OPERATING INSTRUCTIONS

### 1. Jump Starting a Vehicle

The PPRH5V provides 1200 peak amps for jump-starting cars and trucks up to 8-cylinders. The Engine Start Smart Controller offers reverse polarity protection.

1. Ensure the vehicle's ignition is off and all accessories are unplugged.
2. Connect the red positive (+) clamp to the positive (+) terminal of the vehicle's battery.
3. Connect the black negative (-) clamp to a non-painted metal part of the vehicle's chassis, away from the battery.
4. Turn on the Jump-Starter Power Switch on the unit.
5. Attempt to start the vehicle. If it doesn't start immediately, wait a few minutes and try again.
6. Once the vehicle starts, disconnect the black negative (-) clamp first, then the red positive (+) clamp.



Figure 5: Proper connection of jump starter clamps to a vehicle battery.

## 2. Using the 500W Power Inverter

The unit provides 500 watts of household power via its dual 120V AC outlets for small appliances and tools.

1. Ensure the unit is adequately charged.
2. Plug your appliance or tool into one of the 120V AC outlets.
3. Turn on the AC/USB Power switch.
4. Monitor the digital display for power output information.





Figure 6: The unit can power and charge multiple devices simultaneously.

### 3. Using the 120 PSI Air Compressor

Inflate tires or sports equipment with the built-in 120 PSI air compressor. It features a digital autostop to prevent over-inflation and a 10-minute auto shut-off timer.

1. Attach the air hose to the tire valve or use the sports needle adapter for other inflatables.
2. Set the desired PSI using the '+' and '-' buttons on the control panel.
3. Press the AIR button to start inflation. The compressor will automatically stop when the set pressure is reached.
4. The compressor has a 10-minute auto shut-off timer to prevent overheating.



Figure 7: Digital display indicating air pressure during inflation.



# WHAT'S IN THE BOX

## PPRH5V



### SPORTS NEEDLE ADAPTER

Figure 8: The air compressor features a 10-minute auto shut-off timer to prevent overheating.

#### 4. Using the USB Charger

The 10W USB port allows you to charge and power various electronic devices like phones, tablets, and gaming devices.

1. Connect your device's USB charging cable to the USB port on the unit.
2. Turn on the AC/USB Power switch.
3. Your device should begin charging.

#### 5. Using the LED Work Light

The integrated LED work light provides illumination in low-light conditions.

- Press the LED button to turn the work light on or off.

### MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your VECTOR PPRH5V unit.

- **Recharging:** Recharge the unit after each use and at least every 3 months if not used, to maintain the internal battery's life.



- **Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasives.
- **Storage:** Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Care:** Inspect jumper cables and clamps for damage before each use. Replace if frayed or damaged.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is fully discharged.	Recharge the unit fully.
Vehicle does not jump start.	Incorrect clamp connection; Vehicle battery severely discharged; Unit not sufficiently charged.	Check clamp connections for proper polarity; Allow unit to charge vehicle battery for a few minutes before attempting to start; Recharge the unit.
Air compressor does not inflate.	Hose not securely attached; Compressor overheated (auto shut-off engaged).	Ensure hose is tightly connected; Allow compressor to cool down for 10-15 minutes before reattempting.
USB port or AC outlets not providing power.	AC/USB Power switch is off; Unit battery low; Device draws too much power.	Ensure AC/USB Power switch is on; Recharge the unit; Check device power requirements against unit's output.

## SPECIFICATIONS

Feature	Detail
Brand	VECTOR
Model Number	PPRH5V
Jump Starter Peak Amps	1200 Amps
Power Inverter Output	500 Watts (120V AC)
Air Compressor Pressure	120 PSI
USB Port Output	10W (2.1A)
Item Weight	18.7 Pounds
Product Dimensions	15"D x 13"W x 5.9"H
Battery Type	Internal Rechargeable (type not specified, likely sealed lead-acid)

## WARRANTY AND SUPPORT

The VECTOR PPRH5V unit comes with a **1-year limited warranty** from the date of purchase, covering defects in material and workmanship. Please retain your proof of purchase for warranty claims.

For technical support, warranty service, or to inquire about replacement parts, please contact VECTOR customer service. Refer to the official VECTOR website or your purchase documentation for the most current contact information.

You can also visit the official VECTOR store on Amazon for more product information and support:[VECTOR Store](#).

