

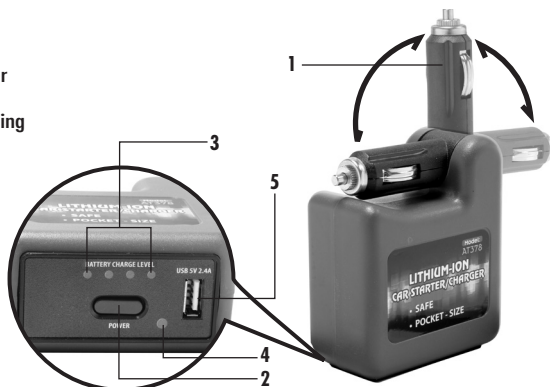
# LI-ION PLUG-IN CAR STARTER AND BACK UP POWER BANK

## FEATURES

- Powerful Li-ion battery
- Compact and Angle Adjustable Plug-In Car starter
- Recharges and Starts Vehicle Battery in Minutes
- 2.4A USB Power Port For iPhone and iPad Charging
- Battery Level/Charging Indicators

## LOCATION OF CONTROLS

1. Angle adjustable cigarette plug
2. Power button
3. Battery level indicators
4. USB power indicator
5. 2.4A USB power outlet



## WELCOME

This product has been carefully engineered and manufactured to give you dependable operation. Please read this manual thoroughly before operating your new product as it contains the information you need to become familiar with its features and obtain the performance that will bring you continued enjoyment for many years. Please keep this manual on file for future reference.

## IMPORTANT

PRIOR TO USE, READ AND UNDERSTAND ALL WARNINGS, CAUTIONS AND INSTRUCTIONS INCLUDED IN THIS INSTRUCTION MANUAL, AND THOSE PUBLISHED BY YOUR VEHICLE BATTERY MANUFACTURER AND MANUFACTURER OF ANY DEVICE INTENDED TO BE USED WITH THIS UNIT. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

## IMPORTANT SAFEGUARDS

- Do not use the Car Starter with a completely discharged battery.
- Before attempting to start vehicle, the Car Starter must be removed from the vehicle's 12V socket. See "BOOST UP A WEAK VEHICLE BATTERY" section of details.
- The Car starter is shipped partially charged. You should initially fully charge the unit before use.
- The Car Starter should always be stored in the OFF mode. Always recharge the Car Starter after use and before storing.
- The Car Starter is designed to recharge 12 volt batteries with the lowest voltage at 10.5 Volt. If vehicle battery is severely drained, call a service centre or tow truck.
- **CAR ALARMS:** if you have a car alarm, put it into "valet mode" before attempting to use the Car Starter. Many popular car alarm models cut off power to vehicle's electrical system. The Car Starter will work while this type of alarm is engaged.
- Do not submerge in water.
- For optimum performance, store in temperature between temperature environment of 0°C to 43°C
- During operation, the unit may feel warm. Discontinue use if it becomes too hot.
- Do not attempt to reverse polarity.
- 8A fuses are used in a protection system which regulates the discharge and recharge of Car Starter.
- Always recycle your Lithium battery products properly.

## WARNING

**KEEP OUT OF REACH OF CHILDREN. READ ALL INSTRUCTION BEFORE USE.**

Danger – shock hazard. Keep Car Starter away from water and other liquids.

Never operate if the unit is damaged or product is not working properly. Unplug when not in use.

**MAY EXPLODE IF DAMAGED OF DISPOSED OF IN FIRE.** Do not disassemble or alter. Change and use only as specified in instructions. Misuse may cause excessive heat. Breakage may expose contents, and contact with skin may cause irritation or injury. Contains Li-Ion battery and must be disposed of properly.

## CHARGING THE CAR STARTER

This product has been shipped partially charged. Charge the unit right out of the package and before the first use.

1. Ensure the Power Button of the Car Starter is set in OFF position.
2. Plug the Car Starter cigarette plug to the 12V vehicle socket for 2-4 hours charging.
3. Full 4 x Battery Charging Indicators will light ON when the Car Starter is fully charged.

**Note :** When charging the Car Starter, ensure the vehicle engine is running to prevent over drainage of the vehicle battery. The Car Starter can only be charged when the vehicle battery voltage is >11.5V (The circuitry has a built-in a power saver to protect the vehicle battery.)

**IMPORTANT :** Recharge the unit after each use and every 3 months, to keep internal battery fully charged and prolong the battery life.

## BATTERY LEVEL / CHARGING INDICATORS

Battery indicators	1 <sup>st</sup> LED	2 <sup>nd</sup> LED	3 <sup>rd</sup> LED	4 <sup>th</sup> LED
Battery capacity < 25%	Blink	Blink	Blink	Blink
Battery capacity ≥25% <50%	ON	Blink	Blink	Blink
Battery capacity ≥50% <75%	ON	ON	Blink	Blink
Battery capacity ≥75% <100%	ON	ON	ON	Blink
Battery capacity 100%	ON	ON	ON	ON

## Check the Car Starter Battery Capacity Level:

Press the Power Button **ONCE** to read Battery Status of the Car Starter, press once again to OFF.

The Battery Level Indicators will illuminate accordingly as follow:

- 4 - LED illuminated (100% Charge Capacity)**..... Internal battery is fully charged, Recharge for vehicle jump start and Available for USB power.
- 3 - LED illuminated (75% Charge Capacity)**..... Recharge for vehicle to vehicle jump start and available for USB power.
- 2 - LED illuminated (50% Charge Capacity)**..... Charge the unit as soon as possible - available for USB power only. **DO NOT USE TO JUMP START.**
- 1 - LED illuminated (25% Charge Capacity)**..... Charge the unit immediately - **DO NOT USE TO JUMP START and Available only limited USB Power**

**NOTE:** The Battery Level Indicators will be automatically turned OFF in 5 Seconds.

## Boost Up a Weak Vehicle Battery:

**Before plugging the Car Starter into the vehicle socket:**

1. Make sure all vehicle lights (interior and exterior) and accessories (radio, etc) are turned off.
2. Make sure the vehicle's 12V socket is clean, free of debris and with the power in the cigarette lighter socket.
3. Press and Hold the Power button for 3 SECONDS, ensure the 4 x Battery Level Indicators are ON (i.e. the unit's battery is good for boosting.)  
**Note :** If Car Starter's cigarette plug has not been connected to the 12V vehicle's socket, the 4 x Battery Level Indicators will be OFF in 30 seconds.
4. Insert the Car Starter into the vehicle's 12V socket.
5. 4 x Battery Level Indicators are blinking in the boost up process and it will finish in 20 minutes. The Battery Level Indicators will stop blinking and light ON.  
**WARNING:** Before attempting to start vehicle, the Car Starter must be removed from the vehicle's 12V socket. Otherwise permanent damage to the Car Starter may occur.
6. Before attempting to start your vehicle, turn off all lights and dials. REMOVE the Car Starter from the 12V socket, and then start the vehicle. If the vehicle does not start, you can REPEAT THE BOOST UP PROCESS ONE MORE TIME not more. In any case, the vehicle does not start, DO NOT Attempt to start the engine more than twice. Call a service center or tow truck.

## USB POWER PORT 5V DC 2400mA

**NOTE:** Prior to connecting the accessory, make sure that the Car Starter power button is set in the OFF position.

Accessory Connection (MP3 Players, Cellular Phone, IPad, iPhone, etc.)

1. Connect the USB interface cable (provided with the accessory) into Car Starter's USB Power Port.
2. Push the Power Button ON and turn on the accessory.

**Note:** If USB port has no accessory connected, the USB Power will be OFF in 30 seconds.

**Note:** The USB power port does not have power output during charging and boost up mode.

## Technical Information:

- Power 14.8 Volt
- Battery Size: 2600mAh
- Charging time from Vehicle: 2-4 hours
- Fuse Size: 8A
- Battery Type: Li-ION
- Boost up vehicle battery time: 20 minutes (per cycle)
- USB Power Port: 5V DC 2400mA

