



USER MANUAL **BATTERYLESS START BOOSTERS**

General Safety Guide:

- Read owner's manual entirely & carefully. Please also read your vehicle's user manual to make sure there are no specific precautions you should be aware of. Use in a well-ventilated area.
- Please wear safety equipment, including safety glasses and gloves. Car batteries produce explosive gases that can cause damages.
- Do not submerge in water or put into fire. Do not connect clamps together, or create a short circuit. And do not open the unit.
- Never connect a 12V unit to a 24V vehicle or charger, and vice versa.
- Charging DC jack: 12V input for 12V models, and 24V input for 24V models for supplied charger adaptor. Do not use other accessories.

We recommend pre-charging your start booster before use.

How to recharge it?

- **If your Batteryless Start booster has an on/Off switch, make sure it is in Position OFF before starting the charge or connecting the clamps to the battery or vehicle. Then once everything connected turn it ON.**
 - **Recharge by supplied Charger adaptor is recommended**
1. Pre charge it at home with the supplied charger only. Plug in the charger adaptor into DC Jack plug and start recharging. During this process please keep always the Main ON/OFF Switch on the OFF Position.
 2. Recharge by external battery, connect the two clamps of the batteryless booster on almost any charged battery of the same voltage and turn the Main ON/OFF Switch to the ON Position.
 3. Recharge by running vehicle engine, connect the booster clamps in correct sequences on a running vehicle's terminals and turn the Main ON/OFF Switch on the ON Position.
- Make sure the unit is fully charged before using it: 5 LEDs lights must be ON, or voltage must be higher than 13.5V.
 - If your batteryless start booster is equipped with an ON/OFF switch or 12/24V Cam switch, please make sure it is on the position ON, or switch the connector on the correct voltage after connecting the clamps correctly. **This charging method is applied to only recharging by external battery and by running vehicle engine.**

- If your unit is equipped with a safety fuse, please make sure the fuse is not damaged; otherwise the current will not go through while recharging the unit through the clamps by an external battery or by a running vehicle engine.

Make sure to connect 12V Start Booster to a 12V battery or vehicle, and 24V Start Booster to a 24V charging method.

Max input voltage: 12V models: 14.8V & 24V Models: 29.6V

How to use it?

- If you can, pre-charge your unit beforehand.
- Always make sure you use a 12V unit for a 12V vehicle, and vice versa.
- If your unit is equipped with an ON/OFF switch or 12/24V connector, make sure it is on the position OFF, or disconnected. After connected correctly the two clamps then turn the ON/OFF switch to the ON position, or plug the 12/24V voltage selecting plug to the corresponding voltage! Then turn the ignition key for jump starting!
- If your unit is equipped with a reverse polarity alarm, make sure it is not making a loud noise and blinking before turning the Start booster to the position ON.

The Batteryless Start Booster will get discharged rapidly; No worries! no need to keep it charged all the time. Only pre-charge it before use, or connect it on a charged 12V battery. It will only take a few minutes to fully recharge the unit.

Before Jump starting:

1. Turn off ALL your electronics in your vehicle (AC, Radio, Lights, etc.)
2. Make sure your vehicle is in PARK position and the emergency hand brake is engaged.
3. Connect the red (positive) clamp, then the black (negative) clamp.
4. Then Turn ignition key to Start your vehicle and then disconnect the black clamp first then red clamp.

To recharge your unit, leave it connected on the running vehicle for maximum 2 minutes.

Warranty Information:

Unit is covered for the manufacturing defects on all the parts and labor. Does not cover abuses, misuse, normal wear & tear and transport.

Manufacturer should not be held liable for incidental and consequential damages under any circumstances. Manufacturer liability should never exceed the purchase price of this unit. For more information, please contact us, or your distributor directly.



Please dispose of packaging and product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to a local recycling facility and place into the appropriate bin. Never dispose of electrical equipment or batteries in your domestic waste. If your supplier offers a disposal facility, please use it or alternatively use your local recycling facility and dispose in a correct manner. This will allow recycling of raw materials and help protect the environment.