DURACELL®
INSTANT JUMPSTART SYSTEM

Introduction

Thank you for purchasing the Duracell® Instant Jumpstart System. This product is part of a family of advanced personal renewable energy devices from Xantrex, the leader in high-frequency inverter design.

This Instant Jumpstart System is designed to revive weak car batteries and jumpstart your vehicle, or provide emergency back-up 12 V DC power.

The Instant Jumpstart System is intended for use on 4 and 6 cylinder gasoline powered cars and light trucks. Do not use on 6 V or 24 V electrical systems vehicles. This Instant Jumpstart System is designed to work if the vehicle's starter clicks or the engine turns over too slowly to start. This product is not designed to start a vehicle with a heavily discharged battery or for use on vehicle batteries that are shorted or sulfated; they will not hold a charge and will need to be replaced. See a professional technician.

Other uses for the Instant Jumpstart System include:

- backup power for equipment such as cell phones, PDAs, notebooks, digital cameras, and other small portable devices,
- emergency light.

Important: he Instant Jumpstart System leaves the factory charged, but due to battery self-discharge, it is recommended to charge it immediately. This may take up to 48 hours. Recharge after every use and every month if not used to protect the internal battery.

Important Safety Information

READ THIS GUIDE before operating the Instant Jumpstart System, and SAVE IT FOR FUTURE REFERENCE.

Misusing or incorrectly connecting the Instant Jumpstart System may damage the equipment or create hazardous conditions for users. Read the following safety instructions and pay special attention to all Caution and Warning statements in the guide.

Warnings identify conditions that may result in personal injury or loss of life.

Cautions identify conditions or practices that may damage the unit or other equipment.

⚠ WARNING:ENERGY HAZARD.

Keep the Instant Jumpstart System out of reach of children and pets. Operate the unit with care!

⚠ WARNING:ENERGY HAZARD.

Do not insert any object into the Instant Jumpstart System's ports or openings.

⚠ WARNING:ENERGY HAZARD.

Do not expose this product to water, rain, snow, or spray.

⚠ WARNING:ENERGY, FIRE HAZARD.

Use only the supplied AC charger adapter and the 12 V DC vehicle jumpstart plug and cable to charge the Instant Jumpstart System.

⚠ WARNING:CHEMICAL, FIRE HAZARD.

The Instant Jumpstart System's internal battery is a sealed, AGM lead-acid type battery. Although the battery is sealed, do not use the Instant Jumpstart System if the casing is broken or if it emits an unusual odor, produces excessive heat, or leaks. Avoid contact with any substance that leaks from the Instant Jumpstart System.

⚠ WARNING:ENERGY, CHEMICAL HAZARD.

Do not attempt to open and disassemble the Instant Jumpstart System, there are no user-serviceable parts inside.

⚠ CAUTION:EQUIPMENT DAMAGE.

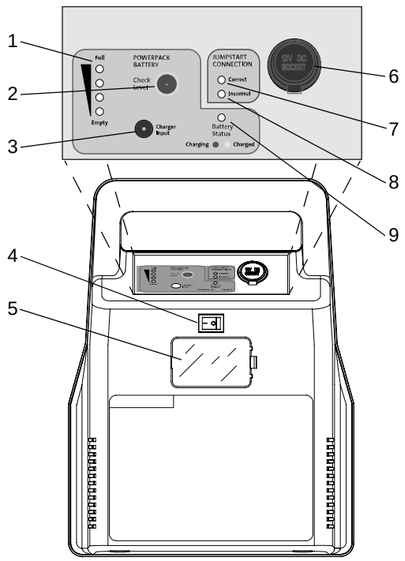
Do not use the Instant Jumpstart System in ambient temperatures over 104° F (40° C).

⚠ CAUTION:EQUIPMENT DAMAGE.

Do not store the Instant Jumpstart System in ambient temperatures over 104° F (40° C).

Failure to follow these safety guidelines may cause personal injury and/or damage to the Instant Jumpstart System. It may also void your product warranty.

Features

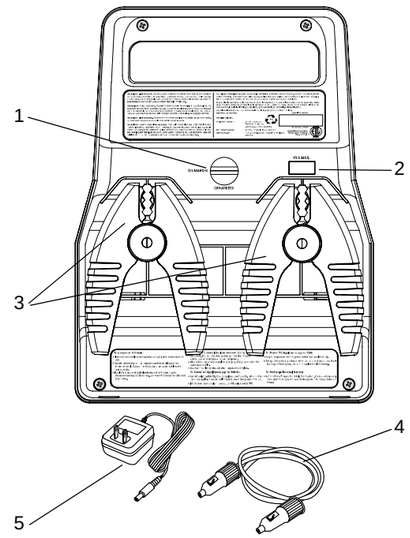


Feature	Description
1	**Battery Level** LEDs illuminate to indicate the Instant Jumpstart System battery charge level. All LEDs (two green, one yellow and one red) are illuminated when the battery is fully charged (Full), only the red LED is illuminated when the battery is completely discharged (Empty).
2	**Battery Level** button triggers the Battery Level Full/ Empty LED indicators. Press and hold to view the battery charge status.
3	**AC Charger Input Socket**
4	**Light Switch**
5	**Incandescent Light** illuminates for about 30 hours when the battery is fully charged.
6	**DC Power Outlet**: Powers 12 V DC appliances Recharges Instant Jumpstart System from a 12 V outlet in a vehicle using the DC Charging Cable.
7	**Green Jumpstart Connection** LED illuminates when the jumpstart clips are properly connected to the vehicle battery.
8	**Red Jumpstart Connection** LED illuminates when the jumpstart clips are improperly connected (reversed polarity) to the vehicle battery. An audible alarm also sounds when the jumpstart clips are improperly connected.
9	**Battery Status** green LED illuminates when the Instant Jumpstart System is Charged (i.e., an AC Charger is connected to the Instant Jumpstart System's AC Charger Input Socket and plugged into the household 120 V AC wall outlet).

⚠ CAUTION:EQUIPMENT DAMAGE.

Do not use the Instant Jumpstart System to operate any 12 V DC appliances while recharging with the AC Charger.

The AC Charger may fail if 12 V DC appliances are operated while the AC Charger is connected.



Feature	Description
1	**Jumpstart Power Switch**
2	**15A fuse for the 12 VDC power outlet**
3	**Jumpstart Clips**
4	**DC Charging Cable** (Part no. 448-0156-01-01) lets you recharge the Instant Jumpstart System from a 12 V system in a car, SUV, RV or a boat.
5	**AC Charger** (Part no. 074-1019-04) lets you recharge the Instant Jumpstart System from a standard AC wall outlet and can only be used to recharge the internal battery of the Instant Jumpstart System.

Instant Jumpstart System Operation

Choosing a Location

⚠ WARNING:FIRE, EXPLOSION HAZARD.

The Jumpstart contains components that tend to produce arcs or sparks. To prevent fire or explosion, do not operate the Jumpstart in compartments containing batteries or flammable materials, or in locations that require ignition-protected equipment.

The Jumpstart should be operated only in a location that is:

Dry. Do not allow water or other liquids to drop or splash on the Jumpstart.

Cool. Ambient air temperature should be between 0 and 40ºC (32 and 104ºF)—the cooler the better within this range.

Ventilated. Leave at least 2" (5 cm) clearance around the Jumpstart for air flow. Ensure that the ventilation openings are not obstructed.

Safe. Do not operate the unit in the same compartment as batteries or in any compartment capable of storing flammable liquids like gasoline.

Protected from battery gases.Do not operate the Jumpstart where it will be exposed to battery gases. These gases are very corrosive, and prolonged exposure will damage the Jumpstart.

Using the Instant Jumpstart System for the First Time

Prior to jumpstarting a vehicle or operating your 12 V DC appliance, ensure that the battery of the Instant Jumpstart System is fully charged.

Note: Press and hold the Battery Level button to view the battery charge status.

Note: If the battery level is low but has not been fully discharged, recharging with the AC Charger may take up to 28 hours.

Recharging with the AC Charger

Note: The Instant Jumpstart System battery level LEDs are only accurate when the Jumpstart has been disconnected from all appliances and all charging sources for 15 minutes.

Note: When the battery is fully charged, all four LEDs will be lit. As charge decreases, the number of lit LEDs will decrease. When only one LED is lit, the unit is discharged.

Note: Recharging with the AC Charger is a true "plug-in-and-forget" charging method. We recommend leaving the AC Charger connected when the Instant Jumpstart System is not in use.

To recharge the Instant Jumpstart System:

1. Disconnect any 12 V DC appliances and turn the light OFF.
2. Plug the AC Charger into a standard AC wall outlet.
3. Insert the AC Charger cable end into the AC Charger Input Socket (see Features).

The Battery Status LED changes from red to green when charging is complete (about 28 hours if the battery is completely discharged).

Important: The 28-hour charging time for the Jumpstart assumes that there is 120 V AC at the AC wall outlet. If the voltage is less than 120 V AC, it may take more than 28 hours to fully recharge the Jumpstart. If, after 28 hours of charging, the Battery Status LED remains red, continue to charge the unit for another 12 hours. The unit will be ready for use even if the Battery Status LED remains red.

Important: If you keep the Instant Jumpstart System in storage, the battery will self-discharge over time. Remember to recharge the battery every month to keep the Instant Jumpstart System operational.

Note: Once fully charged, the charging current automatically reduces to a maintenance charge mode, and the Jumpstart may be left permanently connected to the AC Charger.

Using the Flashlight

The Instant Jumpstart System has an incandescent flashlight which will operate for about 30 hours before the unit needs to be recharged. The On/Off switch is located above the light (see Features).

⚠ WARNING:HEAT HAZARD.

Do not cover the Instant Jumpstart System while the flashlight is on with any material such as a blanket. Doing so may cause heat from the bulb to build up and eventually melt the plastic cover.

Operating 12 V DC Appliances

The Instant Jumpstart System can operate as a 12 V DC power source to portable appliances that draw 15 A or less from a 12 V DC power outlet.

⚠ CAUTION:INTERNAL BATTERY DAMAGE.

The DC Power Outlet does not automatically switch off when the internal battery is discharged. To protect the internal battery against damage resulting from total discharge, we recommend to unplug the DC plug from the DC Power Outlet after use.

Note: The fewer watts a 12 V DC appliance draws, the longer the Instant Jumpstart System will operate before recharging is required. The table below lists typical 12 V appliances that can be used with the Instant Jumpstart System.

12 V DC Appliance	Watts[a]	Hours[b]
Cellular telephone[c]	6	25
Portable vacuum cleaner	100	1
Portable cooler	30	5

a) Represents actual power consumption as measured on sample appliances.
b) Operating times assume a fully charged 17 Ah battery and may vary based on model or brand of appliance.
c) Represents talk time available from 5 recharge cycles.

To operate a 12 V DC appliance:

1. Open the protective cover on the DC Power Outlet of the Instant Jumpstart System.
2. Plug the 12 V DC appliance into the DC Power Outlet and turn the 12 V DC appliance on (if required).
   If the 12 V DC appliance draws more than 15 A (or has a short-circuit defect), the 15 A external fuse will blow. If this occurs, unplug the 12 V DC appliance and replace the fuse with a new 15 A fuse.
3. Fully recharge the Instant Jumpstart System as soon as possible after each use. As the DC Power Outlet is internally wired directly to the unit's battery, extended operation of a 12 V DC appliance may result in excessive battery discharge.

Jumpstarting a Vehicle's Engine

You can use the Instant Jumpstart System to jumpstart a vehicle or boat engine (most 4 cyl. and 6 cyl.) that has a 12 V starting battery using the supplied jumpstart cables.

Important: Closely follow the succeeding instructions including warnings for jumpstarting your vehicle as they may be different from the instructions supplied with other jumpstarting products or jumpstarting cables.

⚠ WARNING:EXPLOSION HAZARD.

Never allow jumpstarting cables' red and black clips to touch each other or another common metal conductor. This could cause damage to the unit and/or create a sparking/explosion hazard. Always switch OFF the Power Switch and store jumpstart clips in the appropriate holder on each side of the Instant Jumpstart System after use.

⚠ WARNING:EXPLOSION HAZARD.

The Instant Jumpstart System's cable clips' connection to the vehicle's battery terminals must be positive to positive (red clip to battery "+") and negative to negative (black clip to battery "–" or to engine block). A reverse polarity connection (positive to negative) may cause damage to the unit and/or create a sparking/explosion hazard.

To jumpstart a vehicle:

1. Turn off the vehicle or boat ignition and all accessories.
2. Engage the park or emergency brake and place the transmission in park for an automatic or neutral for a manual.
   Note: Many vehicles with manual transmissions require that the gear is set to neutral and that the clutch is fully in before starting.
3. If jumpstarting a boat engine, purge the engine compartment and bilge of all fumes before jumpstarting.
4. Position the Instant Jumpstart System on a flat, stable surface near the battery and away from all moving parts of the engine.
   Important: Ensure that the Power Switch is OFF.
5. Connect the red positive (+) clip of the cables to the positive (+) terminal of the engine battery.
   The battery's positive terminal is usually larger in diameter than the negative terminal. In most vehicles, the battery's positive terminal has a red wire connected to it.
6. Connect the black negative (–) clip of the cables to the engine block, cylinder head, or other stationary heavy metal part of the motor.
   If the red Instant Jumpstart System Connection LED illuminates and sounds an alarm, then reverse polarity has been detected. Correct polarity must be established before proceeding. Disconnect the jumpstart clips from the vehicle's battery and redo steps 5 and 6 in this procedure.
   If the Green Instant Jumpstart System Connection LED is illuminated, then proceed to the next step.
7. Switch ON the Instant Jumpstart System Power Switch.
   Before starting the engine, make sure the Instant Jumpstart System and the cables are clear of belts and fans.
8. Crank the engine for 4 seconds or until it starts, whichever is first.

⚠ CAUTION:EQUIPMENT DAMAGE.

Do not crank the engine for more than 4 seconds. The jumpstarting feature is designed for short term operation only. Operating the jumpstarting feature for more than 4 seconds may cause damage to the unit. Allow the Instant Jumpstart System to cool down for at least 3 minutes after each jumpstart.

9. Switch OFF the Instant Jumpstart System Power Switch.
10. Remove the red positive (+) clip and then the black negative (–) clip from the vehicle.
11. Store the jumpstart clips in the appropriate holder on each side of the Instant Jumpstart System.
    Important: Recharge the Instant Jumpstart System as soon as possible after each use.

Connecting to an External Battery

You can extend battery operating times of DC appliances connected to the socket by connecting the Jumpstart to a larger external battery. For example, an external 60 Ah battery gives approximately four times the operating time of the Jumpstart internal 17 Ah battery.

Important: See the WARNING statements from "Jumpstarting a Vehicle's Engine"

To connect the Instant Jumpstart System to an external battery using the jumpstart clips:

1. Ensure that the Instant Jumpstart System Power Switch is OFF.
2. Connect the red positive (+) clip of the cables to the red positive (+) terminal of the external battery.
3. Connect the black negative (–) clip of the cables to the black negative (–) terminal of the external battery.
   If the red Instant Jumpstart System Connection LED illuminates and sounds an alarm, then reverse polarity has been detected. Correct polarity must be established before proceeding.

Disconnect the jumpstart clips from the vehicle's battery and redo steps 2 and 3 in this procedure.
If no alarm sounds, and the Green Jumpstart Connection LED is illuminated, then proceed to the next step.
4. Switch ON the Instant Jumpstart System Power Switch.

⚠ CAUTION:EQUIPMENT DAMAGE.

Do not recharge the Instant Jumpstart System when an external battery is connected. The AC charger may be damaged.

To disconnect the jumpstart clips from an external battery and from the Instant Jumpstart System:

1. Ensure that the Jumpstart Power Switch is OFF.
2. Remove the red positive (+) clip, and then remove the black negative (–) clip from the external battery terminals.
3. Store the jumpstart clips in the appropriate holder on each side of the Jumpstart.
4. Recharge the Jumpstart as soon as possible after use.

⚠ CAUTION:EQUIPMENT DAMAGE.

When charging for the first time, you must completely charge the Instant Jumpstart System. This may take up to 48 hours.
If not used for a month, or when recharging after use, charging the Instant Jumpstart System may take 4-5 hours with vehicle DC or up to 28 hours with household AC.

Instant Jumpstart System Maintenance

Routine maintenance is required to keep your Jumpstart operating properly. Occasionally clean the exterior of the unit with a damp cloth to remove the accumulated dust and dirt.

⚠ WARNING:ENERGY HAZARD.

Disconnect all sources of AC power and DC power before performing any type of maintenance.

Maintaining the Battery

All rechargeable batteries gradually discharge when left standing, and you need to recharge them periodically to maintain maximum battery capacity. The AC Charger supplied with the Jumpstart is designed to regulate the charging process, ensuring that the battery is always fully charged but never overcharged. To ensure safe recharging and maximum battery life, recharge the Jumpstart only with the supplied charger or approved battery chargers.

⚠ CAUTION:INTERNAL BATTERY DAMAGE.

Due to inherent self-discharge, lead acid batteries must be charged at least every month, especially in a warm environment. Leaving a battery in a discharged state, or not recharging every month, may result in permanent battery damage and poor jumpstarting performance.

⚠ CAUTION:INTERNAL BATTERY DAMAGE.

Do not attempt to recharge the Instant Jumpstart System battery if it is frozen. Gradually warm the frozen battery to 0°C (32°F) before recharging.

Recharging with the AC Charger

◆ See "Recharging with the AC Charger" under "Instant Jumpstart System Operation".

Recharging Using the DC Charging Cable

⚠ WARNING:ENERGY, SHOCK HAZARD.

Do not use this recharging method if your vehicle has abnormally high voltage electrical systems that operate above 15 V DC. This may lead to accumulations of hydrogen, causing exposure to fire and explosion hazard.

⚠ CAUTION:EQUIPMENT DAMAGE.

Do not operate DC appliances while the Jumpstart is being recharged with the DC Charging Cable from your vehicle.

Important: Although the charge regulation circuitry in the Jumpstart does not operate with this charging method, most vehicle voltage regulators will ensure that the Jumpstart is not overcharged.

1. While the vehicle engine is running, plug one end of the DC Charging Cable into the DC Power Outlet of the Instant Jumpstart System.
2. Plug the opposite end of the DC Charging Cable into the vehicle's lighter socket or 12 V accessory outlet.
3. Once the Instant Jumpstart System is fully charged or if your vehicle's engine is not running, disconnect the DC Charging Cable from both sockets. Most of the Instant Jumpstart System's capacity will be restored in 2 ½ hours while the vehicle engine is running.

Note: The Battery Status LED will not illuminate when the Jumpstart is recharged through the DC Charging Cable.
Important: Do not leave the Instant Jumpstart System permanently connected to the vehicle's lighter socket or 12 V accessory outlet.

Recharging with a Generator's Regulated 12 V DC Outlet

Refer to the Owner's Guide accompanying your generator for detailed instructions on connecting a 12V load, like the jumpstart, to your generator.

⚠ WARNING:FIRE, EXPLOSION HAZARD.

The generator output must be intended for battery charging and have an output of 15 V or less. An unregulated output or one that exceeds 15 V DC can damage the battery.
This may lead to accumulations of hydrogen, causing exposure to fire and explosion hazard.

You can recharge using a generator in several ways:

- Using the AC Charger to recharge the Jumpstart from a generator is possible, but would require extended generator running time.
- Using a generator which has an auxiliary regulated 12 V DC output designed for charging 12 V DC batteries. Most generators are equipped with them. Use this power source for faster charging.
- Using a generator with a regulated 12 V DC lighter socket. Follow the connection instructions in "Recharging Using the DC Charging Cable".

Recharging from a Solar Panel

Small, unregulated 12 V solar panels rated to produce a maximum of 2.5 A (or 30 W) can be used to charge the Jumpstart through the AC Charger Input Socket. You will need to purchase a standard 5.5 mm OD × 2.5 mm ID (0.217 × 0.10") coaxial DC (barrel type centre positive) connector to mate with the AC Charger Input Socket. These connectors are available at consumer electronics stores.

1. Connect the solar panel's red positive (+) wire to the coaxial plug's inner or centre contact.
2. Connect the solar panel's black negative (–) wire to the plug's outer contact.

Once the connector is inserted into the AC Charger Input Socket and the solar panel is placed in the sun, the Jumpstart charges automatically just as with the AC Charger. It takes about six hours in direct sunlight to recharge the Jumpstart from a 2.5 A solar panel.

Replacing the Emergency Light Bulb

1. Turn the flashlight switch off.
2. Pop out the plastic lens cover.
3. Gently grasp the bulb and twist clockwise to unscrew the bulb.
   Note: There's a triangular notch at the neck of the bulb which should align with the reflector assembly's bulb socket collar.
4. Insert a replacement bulb of the same type and rating into the light reflector assembly.
5. Gently grasp the bulb and twist counter-clockwise to screw the bulb in.
6. Snap in the lens cover.

Recycling

If it's rechargeable, it's recyclable!

Xantrex recognizes its responsibility as a global citizen and is continually striving to reduce the environmental impact of the work we do and the products we create. We have taken a step forward to limit our impact on the natural environment by initiating a battery recycling program. Xantrex is a licensee of the Rechargeable Battery Recycling Corporation ("RBRC"), a non-profit public service organization dedicated to recycling used rechargeable batteries. Through RBRC's national program and the availability of recycling depots for Pb batteries, Xantrex customers can recycle rechargeable batteries in a convenient and environmentally friendly way.
If one of your Xantrex battery-integrated products has reached the end of its useful life, we urge you to dispose of the product correctly and safely. Xantrex recommends taking the following steps to recycle your product depending on battery chemistry and size.

Ni-MH, Li-ion or small Pb Batteries (up to 2 lbs. or 1 kg)

If you are recycling a product that contains a Ni-MH, Li-ion or small Pb battery (up to 2 lbs. or 1 kg) then you can simply drop it off at the battery drop-box located at any one of the following major retailers.

In Canada: Battery Experts, Battery Plus, Bell World, FIDO, Future Shop, The Home Depot, Home Hardware, London Drugs, Makita Factory Service Centers, Personal Edge, Revy, Sears, The Sony Store, The Source by Circuit City, TELUS Mobility and Zellers

In the USA: Alltel, Batteries Plus, Black & Decker, Cingular Wireless, Circuit City, The Home Depot, Lowe's, Milwaukee Electric Tool, Office Depot, Orchard Supply, Porter Cable Service Centers, RadioShack, Remington Product Company, Sears, Staples, Target, US Cellular and Verizon Wireless

If you are not sure of the drop-box nearest you, simply call 1-877-2-RECYCLE to find the retail collection nearest you.

Pb Batteries (larger than 2 lbs. or 1 kg)

If you need to recycle a Pb battery that is larger than 2lbs. (1kg) then you may take one of the following three steps to recycle your battery:

- dispose of your battery product 'as is' at a battery disposal location or waste disposal location nearest you.
- send your battery product 'as is' back to Xantrex for proper recycling of the battery (see address above).
  Xantrex Technology Inc.
  Attn: Battery Recovery
  5917 195th Street NE
  Arlington, WA
  USA, 98223
- dispose of the battery inside your product, by first removing it (simple disassembly may be required) and then taking it to a Sears Automotive Facility in your area where it can be dropped off for proper recycling.

* If you are not sure of a Sears Automotive Facility nearest you simply go to www.Sears.com and select store locator.

Troubleshooting

PROBLEM: Portable device or emergency light will not operate.

Possible cause	Remedy
Portable device connected has a high startup surge.	Portable device exceeds Instant Jumpstart System surge capability, do not use.
The Instant Jumpstart System has overheated due to poor ventilation.	Unplug all devices connected to the 12 V DC power supply socket and switch off the flashlight. Allow the Instant Jumpstart System to cool for 15 minutes. Remove objects covering the Instant Jumpstart System. Move the Instant Jumpstart System to a cooler place.
Product(s) connected are rated at more than the Instant Jumpstart System's continuous power rating.	Unplug the product that is causing the overload. Check the 15 A fuse. If it is blown or damaged, replace it with a similarly rated fuse (15 A, 32 V). Use a product with a power rating less than the Instant Jumpstart System's continuous power rating.
Instant Jumpstart System battery is completely discharged.	Recharge Instant Jumpstart System.

PROBLEM: Instant Jumpstart System will not jumpstart a vehicle.

Possible cause	Remedy
Instant Jumpstart System battery is completely discharged.	Recharge Instant Jumpstart System.
Vehicle battery is heavily discharged or sulfated.	Replace vehicle battery.
Vehicle has 6 V or 24 V electrical system.	Instant Jumpstart System is not designed to jumpstart these vehicles.

PROBLEM: Instant Jumpstart System will not charge.

Possible cause	Remedy
The input charging voltage is out of range (charger is defective).	Replace charger.
Vehicle battery is completely discharged (if recharging with vehicle DC).	Recharge vehicle battery.
AC Charger is faulty or there is no power at the AC wall outlet.	Replace the AC Charger or make sure there is power available at the AC wall outlet.

Specifications

Specifications are subject to change without notice.

12 V DC Section	
Internal battery type	Sealed, AGM (Absorbed Glass Mat) lead-acid
Internal battery voltage (nominal)	12 V DC
Internal battery capacity (min.)	17 Ah
Internal battery current rating	170 CCA/400 CA
DC output current (max.)	15 A (fuse protected)
Replaceable Incandescent Bulb	12 V, 3–5 W

Internal Battery Charging	
Charging current (nominal)	350 mA
Charging voltage (nominal)	13.8 V
AC Charger input socket maximum current	2.5 A
Operating temperature range	0–40ºC (32–104ºF)
Storage temperature range	0–30ºC (32–86ºF)

Physical Specifications	
Dimensions (L × W × H)	9 × 7 1/2 × 12 3/4 in. (22.86 × 19.05 × 32.38 cm)
Weight	14.4 lb (6.5 kg)

Accessories	
DC charge cable (Part no. 448-0156-01-01)	30" (76 cm) 18 AWG with male to male lighter plug
AC Charger (Part no. 074-1019-04)	Input: 100-240 Vac, 50/60 Hz, 250 mA Output: 14.5 Vdc, 350 mA

Warranty and Return

Warranty

What does this warranty cover? This Limited Warranty is provided by Xantrex Technology Inc. ("Xantrex") and covers defects in workmanship and materials in your Duracell® Instant Jumpstart System. This warranty period lasts for six months from the date of purchase at the point of sale to you, the original end user customer. You will be required to demonstrate proof of purchase to make warranty claims. This Limited Warranty is transferable to subsequent owners but only for the unexpired portion of the Warranty Period. Subsequent owners also require original proof of purchase as described in "What proof of purchase is required?"
What will Xantrex do? Xantrex will, at its option, repair or replace the defective product free of charge, provided that you notify Xantrex of the product defect within the Warranty Period, and provided that Xantrex through inspection establishes the existence of such a defect and that it is covered by this Limited Warranty.
Xantrex will, at its option, use new and/or reconditioned parts in performing warranty repair and building replacement products. Xantrex reserves the right to use parts or products of original or improved design in the repair or replacement. If Xantrex repairs or replaces a product, its warranty continues for the remaining portion of the original Warranty Period or 90 days from the date of the return shipment to the customer, whichever is greater. All replaced products and all parts removed from repaired products become the property of Xantrex.
Xantrex covers both parts and labor necessary to repair the product, and return shipment to the customer via a Xantrex-selected non-expedited surface freight within the contiguous United States and Canada. Alaska and Hawaii are excluded. Contact Xantrex Customer Service for details on freight policy for return shipments outside of the contiguous United States and Canada.
How do you get service? If your product requires troubleshooting or warranty service, contact your merchant. If you are unable to contact your merchant, or the merchant is unable to provide service, contact Xantrex directly at:

Telephone: 1 408 987 6359 (direct)

Email: customerservice@xantrex.com

Direct returns may be performed according to the Xantrex Return Material Authorization Policy described in your product manual. For some products, Xantrex maintains a network of regional Authorized Service Centers. Call Xantrex or check our website to see if your product can be repaired at one of these facilities.
What proof of purchase is required? In any warranty claim, dated proof of purchase must accompany the product and the product must not have been disassembled or modified without prior written authorization by Xantrex.
Proof of purchase may be in any one of the following forms:

- The dated purchase receipt from the original purchase of the product at point of sale to the end user, or
- The dated dealer invoice or purchase receipt showing original equipment manufacturer (OEM) status, or
- The dated invoice or purchase receipt showing the product exchanged under warranty

What does this warranty not cover? This Limited Warranty does not cover normal wear and tear of the product or costs related to the removal, installation, or troubleshooting of the customer's electrical systems. This warranty does not apply to and Xantrex will not be responsible for any defect in or damage to:

a) the product if it has been misused, neglected, improperly installed, physically damaged or altered, either internally or externally, or damaged from improper use or use in an unsuitable environment;
b) the product if it has been subjected to fire, water, generalized corrosion, biological infestations, or input voltage that creates operating conditions beyond the maximum or minimum limits listed in the Xantrex product specifications including high input voltage from generators and lightning strikes;
c) the product if repairs have been done to it other than by Xantrex or its authorized service centers (hereafter "ASCs");
d) the product if it is used as a component part of a product expressly warranted by another manufacturer;
e) the product if its original identification (trade-mark, serial number) markings have been defaced, altered, or removed.

Disclaimer

Product

THIS LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED BY XANTREX IN CONNECTION WITH YOUR XANTREX PRODUCT AND IS, WHERE PERMITTED BY LAW, IN LIEU OF ALL OTHER WARRANTIES, CONDITIONS, GUARANTEES, REPRESENTATIONS, OBLIGATIONS AND LIABILITIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE IN CONNECTION WITH THE PRODUCT, HOWEVER ARISING (WHETHER BY CONTRACT, TORT, NEGLIGENCE, PRINCIPLES OF MANUFACTURER'S LIABILITY, OPERATION OF LAW, CONDUCT, STATEMENT OR OTHERWISE), INCLUDING WITHOUT RESTRICTION ANY IMPLIED WARRANTY OR CONDITION OF QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE TO THE EXTENT REQUIRED UNDER APPLICABLE LAW TO APPLY TO THE PRODUCT SHALL BE LIMITED IN DURATION TO THE PERIOD STIPULATED UNDER THIS LIMITED WARRANTY.
IN NO EVENT WILL XANTREX BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSSES, COSTS OR EXPENSES HOWEVER ARISING WHETHER IN CONTRACT OR TORT INCLUDING WITHOUT RESTRICTION ANY ECONOMIC LOSSES OF ANY KIND, ANY LOSS OR DAMAGE TO PROPERTY, ANY PERSONAL INJURY, ANY DAMAGE OR INJURY ARISING FROM OR AS A RESULT OF MISUSE OR ABUSE, OR THE INCORRECT INSTALLATION, INTEGRATION OR OPERATION OF THE PRODUCT.

Exclusions

If this product is a consumer product, federal law does not allow an exclusion of implied warranties. To the extent you are entitled to implied warranties under federal law, to the extent permitted by applicable law they are limited to the duration of this Limited Warranty. Some states and provinces do not allow limitations or exclusions on implied warranties or on the duration of an implied warranty or on the limitation or exclusion of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you. This Limited Warranty gives you specific legal rights. You may have other rights which may vary from state to state or province to province.

Return Material Authorization Policy

Before returning a product directly to Xantrex you must obtain a Return Material Authorization (RMA) number and the correct factory "Ship To" address. Products must also be shipped prepaid. Product shipments will be refused and returned at your expense if they are unauthorized, returned without an RMA number clearly marked on the outside of the shipping box, if they are shipped collect, or if they are shipped to the wrong location.
When you contact Xantrex to obtain service, please have your instruction manual ready for reference and be prepared to supply:

- The serial number of your product
- Information about the installation and use of the unit
- Information about the failure and/or reason for the return
- A copy of your dated proof of purchase

Return Procedure

1. Package the unit safely, preferably using the original box and packing materials. Please ensure that your product is shipped fully insured in the original packaging or equivalent. This warranty will not apply where the product is damaged due to improper packaging.
2. Include the following:
   - The RMA number supplied by Xantrex Technology Inc. clearly marked on the outside of the box.
   - A return address where the unit can be shipped. Post office boxes are not acceptable.
   - A contact telephone number where you can be reached during work hours.
   - A brief description of the problem.
3. Ship the unit prepaid to the address provided by your Xantrex customer service representative.

If you are returning a product from outside of the USA or Canada In addition to the above, you MUST include return freight funds and are fully responsible for all documents, duties, tariffs, and deposits.
If you are returning a product to a Xantrex Authorized Service Center (ASC) A Xantrex return material authorization (RMA) number is not required. However, you must contact the ASC prior to returning the product or presenting the unit to verify any return procedures that may apply to that particular facility and that ASC repairs this particular Xantrex product.

Out of Warranty Service

If the warranty period for your Duracell® Instant Jumpstart System has expired, if the unit was damaged by misuse or incorrect installation, if other conditions of the warranty have not been met, or if no dated proof of purchase is available, your inverter may be serviced or replaced for a flat fee.
To return your Duracell® Instant Jumpstart System for out of warranty service, contact Xantrex Customer Service for a Return Material Authorization (RMA) number and follow the other steps outlined in "Return Procedure".
Payment options such as credit card or money order will be explained by the Customer Service Representative. In cases where the minimum flat fee does not apply, as with incomplete units or units with excessive damage, an additional fee will be charged. If applicable, you will be contacted by Customer Service once your unit has been received.