

Introduction

Thank you for purchasing the **DC Adapter** (product number: 807-0001). The **DC Adapter** is part of a family of DC accessories from Xantrex Technology.

Connected to a 12 V (or 24 V) DC accessory outlet in a vehicle, the **DC Adapter** efficiently and reliably converts the vehicle's DC power to different low voltage settings of DC power with current up to 2000 mA.

The **DC Adapter** can be used to charge and to power mobile devices and other automotive accessories rated at 1.5 V, 3 V, 4.5 V, 6 V, 7.5 V, 9 V, and 12 V. These mobile devices and other automotive accessories include cellphones, PDAs, portable GPS receivers, audio/video players, portable DVD players, and compatible personal entertainment systems. The **DC Adapter** includes a selection of different adapter tips that can be attached to the **DC Adapter's** adapter tip receptacle. The adapter tips' polarity can also be reversed easily to comply with the mobile device's DC plug polarity.

READ THIS GUIDE BEFORE OPERATING THE **DC ADAPTER**, AND SAVE IT FOR FUTURE REFERENCE.

Important Safety Information

Misusing or incorrectly connecting the **DC Adapter** 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.

CAUTION

- Intended for indoor use only.
- Keep children away from the **DC Adapter** while it is in operation.
- Do not connect the **DC Adapter** to a mobile device with unidentified or unknown voltage and polarity signs. Improper voltage and polarity settings will result in damage to the mobile device and the **DC Adapter**.

WARNING: SHOCK HAZARD

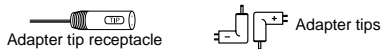
- Do not expose to water, rain, snow, and spray.
- Do not insert foreign objects in the **DC Adapter's** ventilation holes, DC receptacle, or adapter tip.
- Do not pull the **DC Adapter's** cable along sharp sides and tight places to avoid stripping or fraying the cable's insulation and exposing the wires.

DC Adapter Operation

- Set the proper voltage by turning the voltage selector switch using the provided key. Refer to the mobile device's product label or user manual to determine the proper voltage setting.
- Determine the correct polarity of the mobile device's DC port. Refer to these symbols on the mobile device's product label or user manual.



- Select the adapter tip that is appropriate for the mobile device.



NOTE: Each adapter tip has a positive symbol on one side and a negative symbol on the other side. The adapter tip receptacle has a "TIP" marking on only one side.

- If the polarity of the mobile device is center positive, insert the adapter tip into the adapter tip receptacle as shown below. The positive symbol on the adapter tip must align with the TIP marking on the adapter tip receptacle.



If the polarity of the mobile device is center negative, insert the adapter tip into the adapter tip receptacle as shown below. The negative symbol on the adapter tip must align with the TIP marking on the adapter tip receptacle.



- Connect the adapter tip plug to the mobile device's DC port.
- Connect the **DC Adapter's** DC plug to the vehicle's DC accessory outlet.
- Operate the mobile device as usual.
- To stop operation, disconnect the **DC Adapter's** DC plug from the vehicle's DC accessory outlet.

DC Adapter's DC Plug Fuse Replacement

NOTE: If the vehicle's DC accessory outlet has power but the mobile device connected to the **DC Adapter** is not operating normally, the 3 A fuse (available in auto part stores) located inside the **DC Adapter's** DC plug assembly may have blown. If the fuse is blown, determine the cause and correct it before using the **DC Adapter** again.

- Unscrew (counter-clockwise) the tapered tip of the DC plug to separate it from the DC plug assembly.
- Pull the fuse out from inside the DC plug assembly.
- Visually inspect the fuse to determine if the fuse is blown.
- Insert a new fuse with the same type and rating of 3 A into the DC plug assembly.
- Screw (clockwise) the tapered tip back into the DC plug assembly.

Troubleshooting

Problem	Solution
No output from DC Adapter .	<p>Check that there is DC power available at the vehicle's DC accessory outlet.</p> <p>Check that the DC socket is free from debris that is preventing proper contact with the DC plug.</p> <p>Check the DC Adapter's DC plug fuse. The 3 A fuse may be blown. See "DC Adapter's DC Plug Fuse Replacement".</p> <p>Check the voltage and polarity settings. See "DC Adapter Operation".</p>
Loose connection with the vehicle's DC accessory socket.	<p>Check that the 12 V appliance's DC plug is properly inserted into the DC socket.</p> <p>CAUTION: Do not rotate the DC plug within the DC socket. Remove the DC plug and reinsert into the DC socket as needed.</p>

Specifications

NOTE: Specifications are subject to change without notice.

Input voltage range	11–24 Vdc
Input current (max.)	3 A

No load current draw	<5 mA
Output voltages	(1.5 3 4.5 6 7.5 9 12 ^a Vdc
Output current (max.)	(2000) 1800 1500 1100 ^a mA

- For use with 24 V vehicle electrical system.

Warranty and Return Information

Warranty

What does this warranty cover and how long does it last? This Limited Warranty is provided by Xantrex Technology Inc. ("Xantrex") and covers defects in workmanship and materials in your **DC Adapter**. This Warranty Period lasts for 90 days from the date of purchase at the point of sale to you, the original end user customer, unless otherwise agreed in writing. 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? During the Warranty Period Xantrex will, at its option, repair the product (if economically feasible) 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, Hawaii and outside of the United States and Canada are excluded. Contact Xantrex Customer Service for details on freight policy for return shipments from excluded areas.

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: +1 408 987 6030 or www.xantrex.com/support. 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 warranty or purchase receipt showing the product exchanged under warranty.

What does this warranty not cover? Claims are limited to repair and replacement, or if in Xantrex's discretion that is not possible, reimbursement up to the purchase price paid for the product. Xantrex will be liable to you only for direct damages suffered by you and only up to a maximum amount equal to the purchase price of the product.

This Limited Warranty does not warrant uninterrupted or error-free operation of the product or 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:

- 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;
- 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 but not limited to high input voltage from generators and lightning strikes;
- the product if repairs have been done to it other than by Xantrex or its authorized service centers (hereafter "ASCs");
- the product if it is used as a component part of a product expressly warranted by another manufacturer;
- component parts or monitoring systems supplied by you or purchased by Xantrex at your direction for incorporation into the product;
- the product if its original identification (trade-mark, serial number) markings have been defaced, altered, or removed;
- the product if it is located outside of the country where it was purchased; and
- any consequential losses that are attributable to the product losing power whether by product malfunction, installation error or misuse.

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: (a) ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, LOST REVENUES, FAILURE TO REALIZE EXPECTED SAVINGS, OR OTHER COMMERCIAL OR ECONOMIC LOSSES OF ANY KIND, EVEN IF XANTREX HAS BEEN ADVISED, OR HAD REASON TO KNOW, OF THE POSSIBILITY OF SUCH DAMAGE, (b) ANY LIABILITY ARISING IN TORT, WHETHER OR NOT ARISING OUT OF XANTREX'S NEGLIGENCE, AND ALL LOSSES OR DAMAGES TO ANY PROPERTY OR FOR ANY PERSONAL INJURY OR ECONOMIC LOSS OR DAMAGE CAUSED BY THE CONNECTION OF A PRODUCT TO ANY OTHER DEVICE OR SYSTEM, AND (c), 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, provinces and jurisdictions 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, province to province or jurisdiction to jurisdiction.

Return Material Authorization Policy

For those products that are not being repaired in the field and are being returned to Xantrex, 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

Record these details on "Information About Your System" section below.

Return Procedure

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.

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.

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 the ASC repairs this particular Xantrex product.

Out of Warranty Service

If the warranty period for your product 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 unit may be serviced or replaced for a flat fee.

To return your product 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" section above.

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.

Information About Your System

As soon as you open your **DC Adapter** package, record the following information and be sure to keep your proof of purchase:
 Serial Number _____, Product Number **807-0001**, Purchased From _____, Purchase Date _____.

If you need to contact Customer Service, please record the following details before calling: Type of Installation, Length of Time Product was In Use, Alarm Sounding?, Appliances Operating when Problem Occurred, and Description of Problem. This information will help our representatives give you better service.