

# AirMap® Portable Power Pack

## Operation Instructions

This portable power pack is designed for use with the following products: Lowrance Avionics® AirMap® 1000 and AirMap® 2000c mapping GPS receivers. It is compatible with related Lowrance GPS units using similar connectors and 12-volt power sources.

The AirMap units are designed to use multiple power sources. The external power cable with cigarette lighter adapter plugs into a 12-volt system and supplies 6 volts of DC power to the unit. The units themselves contain AA batteries, which serve as automatic emergency backup power if external power fails.

This AirMap Portable Power Pack serves as the primary external power source in aircraft without cigarette lighter power sockets or as an additional backup for planes with power sockets. The portable power pack makes it easy to run the unit in your own aircraft, a rental plane or a friend's plane. (Or, you can easily take along your AirMap GPS in a boat, car or other vehicle.)



**AirMap Portable Power Pack.**



The AirMap PPP package includes: power pack carry bag, rechargeable gel cell battery, battery charger and a power cord. See example above.

### **STOWING FOR TRANSPORT**

The bag is divided into three sections. A side pocket is available for the power cable. The battery and battery charger may be stored in the bottom of the bag, where they will be covered by a cushioned nylon flap. The flap provides a flat, cushioned space to store the AirMap, when it is not in use.



**Power pack carry bag with cushioned nylon flap extended, exposing the battery and battery charger. When the flap is down, it creates a flat, cushioned surface to store the AirMap.**

## BATTERY CARE

Make sure the battery is fully charged before you use the AirMap PPP for the first time. When fully discharged, it takes approximately nine hours to recharge the battery. Under ordinary operating conditions, the battery will run your unit with the backlight on full bright for approximately 10 hours and with the backlight at a reduced level, about 24 hours. (Battery capacity will vary depending on the temperature and backlight use.)



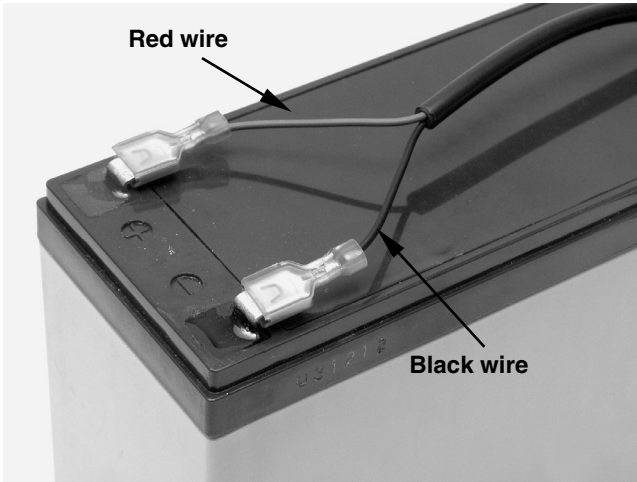
**Battery charger's indicator light glows red when charging, green when battery is fully charged. To charge, attach red connector to red (positive) contact and black connector to black (negative) contact.**

To charge the battery, plug the charger into a 110 VAC electrical outlet, then connect the red lead to the red battery contact and connect the black lead to the black battery contact. When you plug in the charger, the indicator light glows green to indicate it is receiving power. When you connect the battery, the light turns red, showing it is charging. When the light turns green again, the battery is fully charged.

You can recharge the battery after every flight, even if the battery was not fully discharged. This will always keep the unit ready for your next trip. Disconnect the battery when stored for long periods of time. You should also consider charging the battery once a month while in storage.

## BATTERY CONNECTIONS TO AIRMAP

1. Attach the power leads from the power cable to the battery terminals. Connect the red wire to the (red) positive terminal and connect the black wire to the (black) negative terminal.



**Power leads connected to the battery terminals.**

4. After the power leads are connected to the battery, insert the uniplug push-on connector into the socket on the back of the AirMap unit. See the following figure.



**Insert the uniplug into the back of the AirMap.**



**AirMap® 2000c connected to the gel cell battery, which is stored in the Portable Power Pack carry bag.**

After mounting the AirMap, turn it on. If it won't turn on, make sure the power leads are firmly connected to the battery terminals. Also, make sure the lead colors match the battery terminal colors (red positive to positive and black negative to negative).

If it still doesn't work, check the battery voltage. Most problems with portable units result from batteries that have not been charged. Keep in mind that in cold weather, battery efficiency drops with the temperature. It is a good idea to keep the battery at room temperature before leaving home.

# Notes

## **LOWRANCE ELECTRONICS FULL ONE-YEAR WARRANTY**

"We," "our," or "us" refers to LOWRANCE ELECTRONICS, INC., the manufacturer of this product. "You" or "your" refers to the first person who purchases this product as a consumer item for personal, family or household use.

We warrant this product against defects or malfunctions in materials and workmanship, and against failure to conform to this product's written specifications, all for one (1) year from the date of original purchase by you. **WE MAKE NO OTHER EXPRESS WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER CONCERNING THIS PRODUCT.** Your remedies under this warranty will be available so long as you can show in a reasonable manner that any defect or malfunction in materials or workmanship, or any non-conformity with the product's written specifications, occurred within one year from the date of your original purchase, which must be substantiated by a dated sales receipt or sales slip. Any such defect, malfunction, or non-conformity which occurs within one year from your original purchase date will either be repaired without charge or be replaced with a new product identical or reasonably equivalent to this product, at our option, within a reasonable time after our receipt of the product. If such defect, malfunction, or non-conformity remains after a reasonable number of attempts to repair by us, you may elect to obtain without charge a replacement of the product or a refund for the product. **THIS REPAIR, OR REPLACEMENT OR REFUND (AS JUST DESCRIBED) IS THE EXCLUSIVE REMEDY AVAILABLE TO YOU AGAINST US FOR ANY DEFECT, MALFUNCTION, OR NON-CONFORMITY CONCERNING THE PRODUCT OR FOR ANY LOSS OR DAMAGE RESULTING FROM ANY OTHER CAUSE WHATSOEVER. WE WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO ANYONE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR OTHER INDIRECT DAMAGE OF ANY KIND.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty does NOT apply in the following circumstances: (1) when the product has been serviced or repaired by anyone other than us; (2) when the product has been connected, installed, combined, altered, adjusted, or handled in a manner other than according to the instructions furnished with the product; (3) when any serial number has been effaced, altered, or removed; or (4) when any defect, problem, loss, or damage has resulted from any accident, misuse, negligence, or carelessness, or from any failure to provide reasonable and necessary maintenance in accordance with the instructions of the owner's manual for the product.

We reserve the right to make changes or improvements in our products from time to time without incurring the obligation to install such improvements or changes on equipment or items previously manufactured.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

**REMINDER:** You must retain the sales slip or sales receipt proving the date of your original purchase in case warranty service is ever required.

**LOWRANCE ELECTRONICS  
12000 E. SKELLY DRIVE, TULSA, OK 74128  
(800) 324-1356**

# How to Obtain Service...

## ...in the USA:

Contact Lowrance Avionics Technical Support. Call toll-free:

**800-324-4740.**

8 a.m. to 4 p.m. Central Standard Time, M-F

*Lowrance Avionics may find it necessary to change or end our shipping policies, regulations and special offers at any time. We reserve the right to do so without notice.*

## ...in Canada:

Contact the Factory Customer Service Department. Call toll-free:

**800-661-3983**

**905-629-1614 (not toll-free)**

8 a.m. to 5 p.m. Eastern Standard Time, M-F

## ...outside Canada and the USA:

Contact the dealer in the country where you purchased your unit. To locate a dealer near you, see the instructions in paragraph number 1 below.

## Accessory Ordering Information

LEI Extras™, Inc. is the accessory source for GPS products manufactured by Lowrance Electronics and Eagle Electronics. To order Lowrance accessories, please contact:

1) Your local aviation equipment dealer or consumer electronics store. To locate a Lowrance dealer, visit the web site, [www.lowrance.com](http://www.lowrance.com), and look for the Dealer Locator. Or, consult your telephone directory for listings.

2) U.S. customers: LEI Extras Inc., PO Box 129, Catoosa, OK 74015-0129  
**Call toll free in the U.S., 800-324-0045**, 8 a.m. to 5 p.m. Central Standard Time, M-F, or visit our web site [www.lei-extras.com](http://www.lei-extras.com).

3) Canadian customers: Lowrance/Eagle Canada, 919 Matheson Blvd. E. Mississauga, Ontario L4W2R7 or fax 905-629-3118.

Call toll free in Canada, 800-661-3983, or dial 905 629-1614 (not toll free), 8 a.m. to 5 p.m. Eastern Standard Time, M-F.



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