

# LENMAR®

## OmniSource® Li-Ion

### Universal Charger for Li-Ion Camcorder & Digital Camera Batteries

PLEASE READ THE INFORMATION AND FOLLOW ALL INSTRUCTIONS THOROUGHLY BEFORE USING THIS PRODUCT.

#### Introduction

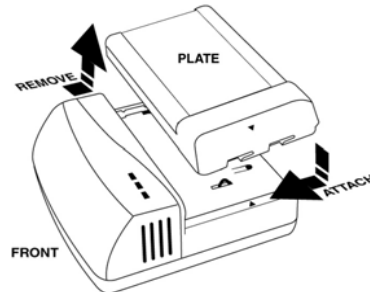
The OmniSource Lithium-Ion (Li-Ion) is a fully automatic camcorder battery charger which is compatible with virtually all 3.6 volt and 7.4 volt Li-Ion batteries for 8mm, VHS-C, digital camcorders and digital cameras from Nikon, Kodak, Fuji, Sharp, Sony, Canon, JVC, Panasonic, RCA and other manufacturers. In addition to the other adapter plates for other Li-Ion battery models.

This charger uses an advanced charging circuit, which provides a safe, full charge every time. "Charging" and "Full Charge" status of the battery is shown on the built-in LED indicators.

Flexible power input allows you to use the OmniSource Li-Ion from home with its AC Power Supply or on the road using the DC Cigarette Lighter Adapter included. Avoid prolonged use in an automobile when the engine is not running as it may drain the battery in the vehicle.

#### Getting Ready

Choose the adapter plate for the type of battery you will be charging. Each of the adapter plates is labeled as to the batteries it can work with. If the charger base does not already have the adapter plate you want attached, you will need to remove the adapter plate first by pushing down on the plate and sliding it to the rear of the charger base (away from the LED indicators). Then, attach the selected adapter plate to the charger unit by aligning the arrows on the sides of the adapter plates and the charger base as shown. While pressing down lightly on the adapter plate, slide the plate toward the front of the charger base until it locks.



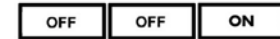
Plug-in, either the AC Adapter or the DC Cigarette Lighter power adapter, and connect the other end of the power adapter cable to the power input jack on the rear of the charger unit.

#### Status LED's

Together, the three LED's on the front of the OmniSource Li-Ion will indicate the status of the battery and the charger. See the descriptions and diagrams included in the following sections regarding the various indications and their meaning.

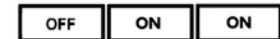
#### Operation:

Plug-in, either the AC 110V or the DC Cigarette Lighter power adapter, depending on where you are going to use your OmniSource Li-Ion charger unit. Connect the other end of the power adapter cable to the power input socket on the charger unit. While the unit is receiving power, the red Power Indicator LED on the far right, will be on. (See diag.-1).



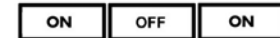
Diag.-1

Connect the battery to the adapter plate on the charger unit, and the red Charge Indicator LED in the center will turn on to indicate that the unit is fast charging your battery.



Diag.-2

When the red Charge LED turns off, and the green Charge Complete LED, turns on, the charger has switched to "trickle" charge mode and the battery is around 90% charged at this time. The battery will reach 100% charge within 1-2 hours (depending on the capacity of the battery) after the green LED has turned on. Be sure to remove the battery from the charger within a few hours after the green LED has turned on.



Diag.-3

**Note:** It is normal for the charger or the battery to become warm during recharging.

**Note:** Batteries will self discharge when not in use whether they are installed in a camcorder, digital camera or not. Batteries can be kept fresh if you recharge them every 2-3 months, when not being used regularly.

### Trouble Shooting Tips:

- The right hand Power Indicator LED will glow red as long as power is connected. If not, the unit is not receiving power. Re-check the power connections to the charger (when using the car adapter, be aware that some cars turn off power to the cigarette lighter when the key is off).
- If the green charge indicator LED turns on immediately when the battery is attached, the battery may nearly charged already. Leave the battery on the unit for 1-2 hours to be sure the battery has been fully charged.
- If, after you have attached the battery to be charged, neither the red or green Charge Indicator LED's turn on, the battery or adapter plate may not be properly or fully connected. Unplug the unit and check all connections of the battery to the adapter plate and the adapter plate to the charger base. Also, make sure the adapter plate is the proper one for your battery.
- Use a clean dry cloth when necessary to keep the metal contacts of both charger and battery clean.

### Cautions:

- For use with Lithium-Ion batteries ONLY! Use with other type batteries voids warranty, may cause damage to the charger / battery and possibly cause injury to the user.
- Recharge Li-Ion batteries after use and before being put away.
- Do not leave the battery connected to camcorder or camera when not to being used.
- Do not leave the battery connected to the charger for prolonged periods.  
Remove the battery after charge is complete.
- Unplug the charger when not in use.
- Do not use, place or store the charger where it may come into contact with water or moisture.
- Always replace frayed or damaged wire and broken plugs immediately.
- Use this charger with the power adapters included in the package only.
- It is not necessary or recommended to discharged a Li-Ion prior to charge.

**Note:** Batteries will self discharge when not in use whether they are installed in a camcorder, digital camera or not. Batteries can be kept fresh if you recharge them every 2-3 months. NiCD batteries should be stored uncharged.

### Specifications:

- Power Input: 12-18 VDC @ 500mA
- Charge Method: Constant Voltage  
Rapid Charge, Switching to  
"Trickle Charge" when full.

### Limited 1 Year Warranty

This limited warranty starts from the date of original purchase and expires 1 year thereafter. If, during this period, any part, because of manufacturing defects or workmanship fails to function properly under normal use will be repaired at no charge for parts and labor or, at our option, the product will be replaced. The following is excluded: damages from delay or loss of use of equipment, or damaged batteries, malfunctions resulting from misuse, tampering, unauthorized repairs, modifications, or accident.

Package the unit and its accessories carefully using ample padding material to prevent damage in transit and ship it prepaid and insured to:

Lenmar Enterprises, Inc.  
4035 Via Pescador  
Camarillo, CA 93012

When sending in product for service, your package should include evidence of date and place of purchase. Enclose \$10.00 for shipping and handling for addresses in the U.S. For outside the U.S. and Canada, freight will vary depending upon ship to address.

*For additional questions, comments or to explore other Lenmar battery solutions, visit our web site at: [www.Lenmar.com](http://www.Lenmar.com)*

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