



# MEGA 1

## AC/DC 7.2-8.4 Volt 4 Amp Quick Charger

Congratulations! You have just purchased one of the finest quality AC/DC chargers on the market. Used properly, this charger will provide many years of hobby enjoyment and trouble-free operation.

### Operating Guidelines

1. Discharge the Ni-Cd battery pack. To discharge, run the model until the vehicle begins to slow down.
  2. Allow the batteries to cool prior to charging.
  3. Connect the battery to the charger.
    - Attach the charger to the appropriate power supply.
    - AC-Plug the AC power cord into the 110V wall socket.
    - DC-Attach the red, positive, power input cord to the positive terminal of the 12V battery. Then, attach the black, negative, power input cord to the negative terminal of the 12V battery.
- Hook up the battery to the charger output cord ensuring that like polarities are observed.

### Quick Charge Procedure

Rotate the mechanical timer to the 15-minute position. Depending on the mAh rating of your battery, it may be necessary to charge the pack longer than 15 minutes. Please refer to the chart below for suggested charging times:

Mah Rating	Recommended Charge Times
1200-1400	15 minutes
1500-1700	20 minutes

### Voltmeter Jacks

This charger is equipped with voltmeter jacks which allow you to attach a voltmeter to accurately monitor the voltage of your battery pack during the quick charge procedure. To achieve maximum performance from the battery pack, quick charge the battery pack until a slight drop in voltage is indicated by the voltmeter. At this point the battery pack is fully charged and will be somewhat warm to the touch.

### Trickle Charge Procedure

The trickle charging process will equalize all cells within the battery pack to peak charge. Follow the same procedure as described in the quick charging method only do not rotate the mechanical timer. The green trickle charge light will glow indicating that a trickle charge is indeed occurring. The trickle charge rate is 100mAh on the Mega 1 Charger. To determine the proper length of charging time in the trickle charge mode, simply divide the battery pack mAh by the charge rate. For example, a 1500 mAh pack would be fully charged in 15 hours:

$$\frac{1500 \text{ (battery pack)}}{100 \text{ (trickle charge rate)}} = 15 \text{ hours}$$

### Safety Precautions

1. Do not leave the battery and charger unattended while in use.
2. When utilizing an AC power source allow the charger to cool one minute for every one minute it was charging a battery pack.
3. Never attach your charger to AC and DC power inputs simultaneously. The charger may be severely damaged.
4. Do not operate the charger near water.
5. Do not replace the fuse with anything greater than .75 amp.
6. Never connect the charger to an automobile while its engine is running.
7. This charger is not intended for use by unsupervised children.
8. When charging, constantly monitor the temperature of the battery pack. If your battery pack becomes hot to the touch, discontinue the charging operation immediately.
9. Carefully observe connector polarities at all times.



**Warranty Period:** Horizon Hobby, Inc. (Horizon) warrants that the Products purchased (the "Product") without defects in materials and workmanship for a period of 5 years from the date of purchase by the Purchaser.

### Limited Warranty

- (a) This warranty is limited to the original Purchaser ("Purchaser") and is not transferable. REPAIR OR REPLACEMENT UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. This warranty covers those Products purchased from an authorized Horizon dealer. Third party transactions are not covered by this Proof of purchase is required for warranty claims. Further, Horizon reserves the right to change or modify this without notice and disclaims all other warranties, express or implied.
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- (c) Purchaser Remedy- Horizon's sole obligation hereunder shall be that Horizon will, at its option, (i) replace, any Product determined by Horizon to be defective. In the event of a defect, these are the Product's exclusive remedies. Horizon reserves the right to inspect any and all equipment involved in a warranty claim or replacement decisions are at the sole discretion of Horizon. This warranty does not cover cosmetic damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to the Product. This warranty does not cover damage due to improper installation, operation, maintenance, or repair by anyone other than Horizon. Return of any goods by Purchaser must be approved in writing by Horizon.

### Damage Limits:

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS, PRODUCTIVITY OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCT, WHETHER SUCH DAMAGES ARE IN CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY. Further, in no event shall the Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over the final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting injury. By the act of use, setup or assembly, the user accepts all resulting liability.

If you as the Purchaser or user are not prepared to accept the liability associated with the use of this Product, you are advised to return this Product immediately in new and unused condition to the place of purchase.

Law: These Terms are governed by Illinois law (without regard to conflict of law principals).

### Safety Precautions:

This is a sophisticated hobby Product and not a toy. It must be operated with caution and common sense and some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in damage to the Product or other property. This Product is not intended for use by children without direct supervision. The Product manual contains instructions for safety, operation and maintenance. It is essential to follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate and avoid damage or injury.

### Questions, Assistance, and Repairs:

Your local hobby store and/or place of purchase cannot provide warranty support or repair. Once assembly of the Product has been started, you must contact Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please email to [productsupport@horizonhobby.com](mailto:productsupport@horizonhobby.com), or call 877.504.0233 toll free to speak to a service technician.