



VISION PEAK™ 2

AC/DC Peak Detection Charger



INSTRUCTION MANUAL

Thank you for purchasing the Dynamite® Vision Peak 2 AC/DC Peak Detection charger. This unique charger allows you to visually monitor the charge cycle throughout the charge process. The Vision Peak 2 automatically stops fast charging when the battery pack is fully charged, protecting the batteries from damage due to overcharging. Immediately after the battery pack has peaked, the charger automatically transitions to trickle charge. This feature will allow the battery pack to stay fully charged until you are ready to use it.

By properly following these instructions, this charger can provide you with many years of trouble-free operation.

Vision Peak 2 Features

- Selectable 1-, 2- and 4-amp charge rates
- Charges 4- to 7-cell Ni-Cd and Ni-MH battery packs
- 110V AC or 12V DC
- LED charge level indicators
- Peak detection circuitry
- Auto-trickle charge
- Heavy-duty 12V DC input alligator clips
- Tamiya-style output (battery) connector
- Voltmeter jacks
- Limited 5-year warranty
- Receiver pack charge lead adapter

Supplying Power to the Charger

This charger can be powered by connecting it to a 12V DC power source, such as a 12V sealed battery (HAN102) or an automobile battery. If you choose to power the charger by connecting it to your automobile battery, the car must not be running!

AC Power

To power the Vision Peak™ 2 with AC power, connect the AC power cord into a standard 110V wall outlet.

DC Power

Attach the red (positive) alligator clip to the red (positive) terminal on your 12V DC power source. Next, attach the black (negative) alligator clip to the black (negative) terminal.

Caution: Do not use both power sources simultaneously or damage will occur.

Charging 4- to 5-Cell Receiver Packs

1. Connect the charger to an input power source as described previously.
2. Use the included Tamiya to receiver adapter to connect the battery to the charger.
3. Select the number of cells in the pack you are going to charge.

Note: If the number of cells selected does not match up with the actual cells in the pack or has a damaged cell, the charger will stop charging, and the LEDs will blink.

4. Select the charge rate by pushing the Start/Select button until the LED indicates the correct charge rate. Once the LED is solid, the charger is charging.

Note: When charging packs under 1000mAh, make certain that you select the 1-amp charge rate. Receiver packs that have a capacity of 1000mAh or higher can be charged at 2 amps.

5. Watch the LED continue to climb until all lights flash, indicating the battery is fully charged. Once all of the LEDs are lit and flashing, the charger automatically transitions to trickle charge.

Charging 6- or 7-Cell Sub C Ni-Cd or Ni-MH Battery Packs

1. Connect the charger to an input power source as described previously.
2. Connect the battery to the charger.
3. Select the number of cells in the pack you are going to charge.

Note: If the number of cells that has been selected does not match up with the actual cells in the pack or has a damaged cell, the charger will stop charging, and the LEDs will blink.

4. Select the charge rate by pushing the Start/Select button until the LED indicates the correct charge rate. Once the LED is solid, the charger is charging.
5. Watch the LED continue to climb until all lights flash, indicating the battery is fully charged.

Trickle Charge

Once the battery has peaked, the charger will automatically switch to trickle charge. This feature will make sure that the battery is fully charged when you are ready to use it. You will know that the charger has entered trickle when the charger repeatedly beeps, and the LED continuously flashes.

The battery pack will remain on trickle charge until you either re-peak the pack by pushing the Start/Select button or disconnect the pack.

Re-Peak

To re-peak a battery, keep the battery attached to the charge lead and push the Start button. **Do not unplug and reattach the battery prior to re-peaking.** This will cause the battery to over-heat.

Voltmeter Jacks

A voltmeter jack is provided on the face-plate of the Vision Peak™ 2, allowing you to monitor the voltage level of the battery pack. Simply insert the voltmeter's leads into the respective positive and negative jack and set the meter to display voltage.

Changing the Fuse

The Vision Peak™ 2 uses a 2-amp fuse. If you need to replace the fuse, unscrew the fuse cap and replace it with a fuse of the same rating. Replacement fuses (DYN4004) are available from Dynamite®. You may also find a replacement fuse at your local auto supply store.

Safety Precautions

- Do not leave the battery and charger unattended while in use.
- Always allow the charger to cool between charge cycles.
- Never attach the charger to an AC and DC power source simultaneously.
- While charging, constantly monitor the temperature of the battery pack. If the battery becomes hot, discontinue the charging operation immediately by disconnecting the battery pack.
- Carefully observe connector polarities at all times.
- Children charging battery packs should be supervised by a responsible adult.

Warranty and Repair Policy

This charger is guaranteed against workmanship and manufacturing defects for a period of 5 years from the original date of purchase. This warranty is limited to the original purchaser and is not transferable. Warranty repair will not cover units that have been modified, misused or serviced by an unauthorized service center.

To speak to a service technician, call 877-504-0233.

If this charger needs to be repaired, ship the charger in its original box (freight pre-paid) to:

Horizon Service Center
Attn: Dynamite Service
4105 Fieldstone Rd.
Champaign, IL 61822

Include a brief summary of the difficulty. Date your correspondence and be sure that your name and address appear on this enclosure. Also, please include a phone number where you can be reached during the business day. Include your complete name and address and information inside the carton, as well as clearly writing it on the outer label and return address area.

Warranty Repairs

To receive warranty service, you must include your original sales receipt verifying proof-of-purchase date. Providing warranty conditions have been met, your charger will be repaired free of charge.

Non-Warranty Repairs

Should the repair cost exceed 50% of the retail purchase cost, you will be provided with an estimate advising you of your options. Any return freight for non-warranty repairs will be billed to the consumer.

For non-warranty repairs, please advise us of the credit card you prefer to use. Horizon Service Center accepts money orders, Visa or MasterCard. Please include your card number and expiration date.



Dynamite® is an exclusive brand of Horizon Hobby, Inc.
©2003 Horizon Hobby, Inc.
4105 Fieldstone Rd., Champaign, IL 61822
www.horizonhobby.com

