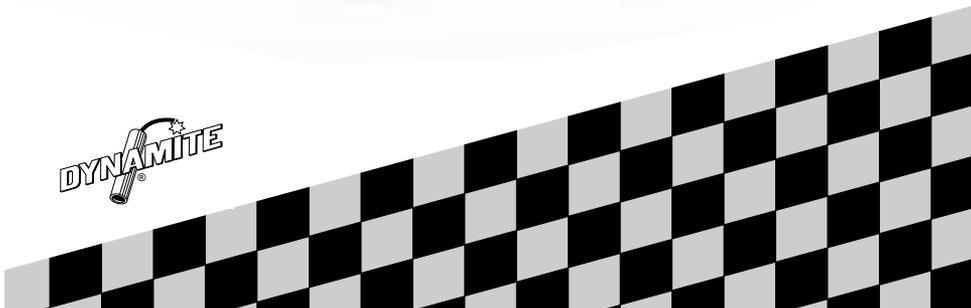


PROPHET PLUS™

AC/DC 4-7 Cell Ni-Cd & Ni-MH Peak Prediction Fast Charger



DYNAMITE



Introduction

Thank you for purchasing the Prophet Plus™ AC/DC Peak Prediction Charger. This charger uses unique peak prediction circuitry that ensures an accurate charge every time and protects your Ni-Cd and Ni-MH batteries from the dangers of overcharging. This charger continuously monitors the battery's charge curve, calculates (predicts) when the peak will occur (100% charge), and then stops fast-charging at exactly that point. This is essential in order to avoid damaging Ni-Cd and especially Ni-MH cells, which are very sensitive to heat. This circuitry is superior to conventional peak detection circuitry that continues to fast-charge after the batteries are fully charged, which can damage Ni-Cd and Ni-MH cells.

After the battery pack has peaked, the Prophet Plus automatically switches to Advanced Trickle Charge. This pulse current charge conditions the cells, keeping batteries in top performing condition and will keep the battery charged until you are ready to use it again.

Features

- AC/DC-input power
- Ni-Cd and Ni-MH compatible
- Charge rates of 1, 2, or 4 amps
- Heavy-duty alligator clips
- Advanced Trickle Charge
- LED and beeper indicate when charge is complete
- Charges 4- to 7-cell battery packs
- Receiver pack charge lead adapter included
- Tamiya-style connector
- Fuse-protected
- Voltmeter jacks
- Limited 5-year warranty

Supplying Power to the Charger

This charger can be powered by connecting it to a standard 110V wall outlet or by using the provided alligator clips to connect the charger to a 12V DC power source, such as a 12V hobby battery (HAN102) or an automobile battery. Do not use both an AC & DC source at the same time.

If you power the charger by using DC power, connect the red (positive) end of the alligator clips to the red terminal of the DC power source and the black (negative) end of the alligator clips to the black terminal of the DC power source. If you choose to power the charger with an automobile battery, never do so with the automobile running!

Charging 6/7-Cell Ni-Cd or Ni-MH Car Packs

1. When power is supplied to the charger, the charger will beep, and the LED will flash once.
2. Connect the battery pack to the charger, and the charger will beep again. The LED will repeatedly blink until you begin the charging process.
3. Select the charge rate based on the batteries capacity rating. See "Charge Times" chart on page 3.
4. Push the *Start* button to begin the charging process. The LED will be solid red during the charging process.
5. Once the battery has peaked, the LED will flash, and the beeper will sound for 30 seconds. If the battery is left connected after 30 seconds, the LED will continue to flash, and the beeper will sound approximately every 90 seconds.

When the battery has peaked, the Prophet Plus will automatically transition to Advanced Trickle Charge.

Charging 4/5-Cell Ni-Cd or Ni-MH Receiver Packs

1. When power is supplied to the charger, the charger will beep, and the LED will flash once.
2. Connect the battery pack to the charger using the included RX charge adapter, and the charger will beep again. The LED will continually blink until you begin the charging process.
3. Select a charge rate of either 1 or 2 amps, depending on the receiver pack you are going to charge. We recommend that you charge 600mAh or lower capacity receiver packs at 1 amp, while you may charge higher capacity packs at 2 amps.
4. Push the *Start* button to begin the charging process. The LED will be solid red during the charge process.
5. Once the battery has peaked, the LED will flash, and the beeper will sound for 30 seconds. If the battery is left connected after 30 seconds, the LED will continue to flash and the beeper will sound approximately every 90 seconds.

When the battery has peaked, the Prophet Plus™ Charger will automatically transition to Advanced Trickle Charge.

Advanced Trickle Charge

Once the batteries are fully charged, the charger will immediately enter a pulse trickle charge. This pulse trickle charge will condition the batteries, extend their life and make certain that they are fully charged when you are ready to use them. You will know that the charger has entered Advanced Trickle Charge when the charger beeps and the LED continuously flashes.

Re-Peak

Once the battery pack has peaked and is on Advanced Trickle Charge, you can re-peak the battery by simply pushing the *Start* button without disconnecting the battery from the charger. Do not re-peak the battery more than once during a charging process.

Charge Times

The following are approximate charge times necessary for a battery that is fully discharged. Please note these are estimated times only.

1 amp

600mAh RX Pack	36 minutes
700mAh RX Pack	42 minutes
1000mAh RX Pack	60 minutes

4 amp

1500mAh 6-Cell Sub-C Car Pack	23 minutes
2000mAh 6-Cell Sub-C Car Pack	30 minutes
3000mAh 6-Cell Sub-C Car Pack	45 minutes

2 amp

1000mAh RX Pack	30 minutes
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Fuses

This charger is protected by both a 1-amp buss fuse and a 7.5-amp spade fuse. If you need to replace a fuse, your local hobby retailer should be able to supply one. You can also find replacement fuses at automotive stores. Always replace your fuse with a new fuse of the same rating.

DYN4001 Buss Fuse, 1-amp
DYN4037 Spade Fuse, 7.5-amp

Safety Precautions

- Do not leave the battery and charger unattended during use.
- Always allow the charger to cool between charges.
- Do not attach your charger to AC and DC power sources simultaneously.
- Never connect the charger to an automobile 12V battery while the vehicle is running.
- Faceplate may become hot during charging. Keep the charger away from any material that may be affected by heat.
- Carefully observe correct polarities at all times.
- Do not let children charge battery packs without adult supervision.

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 1-877-504-0233.

If your charger needs to be repaired, ship the charger in its original box (freight prepaid) to:

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

Include your complete name and address and information inside the carton and clearly write it on the outer label/return address area. 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.

Warranty Repairs

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

Non-Warranty Repairs

Should your 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 Visa and MasterCard. Please include your card number and expiration date. Horizon Service Center also accepts money orders.