



ColorMaker inc has incorporated Nickel Metal Hydride (Ni-MH) battery technology to power a new line of fixtures and battery packs. Our research has concluded that Ni-MH performed best for our fixture requirements. Listed below are several key results that ColorMaker required during testing.

- * Good quick charge performance
- * Long cycle life
- * No memory accumulation
- * Extensive temperature range
- * Good safety performance

Ni-MH requires simple maintenance to maintain batteries for optimal performance and extension of battery life. All Ni-MH devices shipped from ColorMaker under go a certification process to ensure all batteries are operating at 100% of manufacturers specifications.

Charging Ni-MH

Ni-MH requires special chargers to charge batteries. **DO NOT** use a lead acid charger as it will destroy the battery. Not all Ni-MH charges are compatible with all batteries. ColorMaker offers several devices with different capacity batteries so its important to charge with only the approved charger. Modifications to a charger to make them work will destroy the battery and void the warranty. Ni-MH chargers use a special connector to maintain a proper charge and monitor the battery. ColorMaker does not manufacture the chargers, but did work with the manufacturers to assist in development of an easy to use charging system.

Chargers

ColorMaker offers several Ni-MH chargers depending on the capacity of the battery you will be charging. Be sure to read individual charger instruction before connecting to device.

Auto Shutdown

Fixtures and Battery packs (devices) that use Ni-MH batteries incorporate an auto shut off circuit. This will automatically turn off the device before the battery has reached an unsafe discharge level. See individual device Specifications for auto shutdown run times.

Simple steps to follow to maintain Ni-MH batteries

- 1) When you receive a device be sure you charge it before using.
- 2) Charge device every few months if not used. Ni-MH will self discharge over time. Make sure that battery is stored in a charged state.
- 3) Never leave battery connected to charger for long periods. Its best to disconnect charger within 24 hours after battery is fully charged. Longer periods could cause overcharge and reduce life of battery.
- 4) Never charge battery if above 130 degrees F or below 32 degrees F. Ni-MH chargers monitor battery temperature to determine battery charge status. When charging battery beyond these temperatures it could cause false temperature readings resulting in overcharge and cause damage to battery.
- 5) Every 30 cycles (a cycle is charge then discharge) run device until it automatically shuts down then charge. This will ensure a full discharge before charging. This is also called cycling the battery which will extend the life of the battery.

Warranty

ColorMaker offers a 90 day manufacturers warranty on all Ni-MH batteries. ColorMaker hereby warrants, to the original purchaser, ColorMaker products to be free of manufacturing defects in materials and workmanship for a period of (90 days) from the date of purchase. This warranty shall be valid only if product is purchased within the United States of America. It is the owners responsibility to establish the date and place of purchase by accepting evidence, at the time service is sought.

For warranty service, send the product to the ColorMaker factory. All shipping charges must be prepaid. Equipment must be sent in its original package and include all control devices. Warranty is void if serial number has been altered or removed, seals have been voided, if the product is modified in any manner which ColorMaker concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than ColorMaker unless prior written authorization was issued to purchaser.

This document is intended to inform the user about charging and maintaining Ni-MH batteries. This information is a basic guideline to follow. Be sure to read all device instructions for specific charging and maintenance procedures. After you have read and fully understand these procedures please sign and date below and fax to (407) 862-2794. ColorMaker inc will not sell or rent any device with Ni-MH batteries without a signed copy from purchaser.

Purchaser _____

Date _____