NiMH Series Two-way Radio Replacement Battery Pack

MAHA

"Your Supplier, Your Partner, Your Friend!"

Maha Energy Corp.

Thank you for choosing Maha NiMH battery pack. Read these instructions carefully before use. This battery pack *must* be cycled before usage.

GENERAL PRECAUTION

- Do not dispose of this battery pack in fire, it may explode.
- Do not charge or operate in hazardous environment.
- Do not short circuit.
- Do not charge the battery pack with a damaged, inoperable charger, or incompatible charger.
- Do not attempt to open the battery pack.
- Check the polarity on the connector of your wall charger before plugging it into the battery to be charged.

CHARGING INSTRUCTION

This battery pack *may* experience a low usable capacity during the first few charge cycles due to long storage. Do not be concerned.

SIMPLY CHARGE AND USE COMPLETELY OF YOUR MAHA BATTERY PACK FOR 5 CYCLES AND YOU SHOULD OBTAIN A NOMINAL CAPACITY.

If you are not using a Maha Charger:

Please read the following documentation carefully. If you have any technical questions or concerns, please do not hesitate to contact Maha Communication Technical Department at 1-800-376-9992 and (714) 985-9132

If you are using a rapid charger:

Your Maha NiMH battery packs can be charged with a rapid charger, that has proper termination. Not all original manufacturer charger supports Maha NiMH battery. Proper terminations for Maha NiMH Replacement Battery Packs are:

- Negative delta V, at a sensitivity of 10-15 mV/Cell.
- Thermostatically controlled. Cutoff when the preset temperature is reached.
- Peak Voltage Cut-off, when the preset voltage is reached.
- **If you wish to rapid charge, it is strongly recommended, for the best life and performance of your battery pack, to use a *Maha* intelligent rapid charger.**
- **For the *longest* life expectancy, you may want to charge this battery pack with a *trickle charger*.**

Maha battery pack has a built-in thermostat for avoiding overcharging/overheating. The charging circuit will be automatically shutoff at 55 degree C, as a safety precaution. **If your rapid charger does not meet any of the above standards, then use a slow charger, or wall adapter charger.** If you are not certain, please call our technical department for more details.

If you are using a slow charger/wall adapter:

This battery pack you purchased is compatible with your existing slow charging system. Please check the following prior to proceeding:

- If the wall charger / trickle charger goes *through the radio*, be sure the radio is OFF during the charging.
- If the wall charger goes *DIRECTLY* to the battery pack, please also administer the following:
  - ⇒ The charging voltage is ***sufficient***. Using a insufficient voltage charger may result in undercharge of your battery pack.
  - ⇒ The charge current must be *less* than 1/10 of the battery capacity. (i.e.: If your battery pack is 1800mAh, then the maximum charge current must not exceed 180mA)
  - ⇒ The polarity of the charger connector is the *same* as labeled on the battery pack casing, or charging socket protective rubber.

If you are using a Maha charger:

Please refer to our battery charger instructions. These chargers are designed to work with Maha NiMH and NiCD battery packs.

BATTERY CARES

For the best performance & life of this battery pack:

- Charge with a *lower* charge rate may result in the ability of the battery to accept more charge.
- Avoid recharging battery when fully charged. Rapid chargers need 3-7 minutes to initialize, and will not be terminated even fully charged.
- For the best performance of the battery, please avoid charging this battery pack for more than 24 hours.
- Keep the battery pack environment cool during charging operation and storage (Not in direct sunlight or close to a heating source).

Manufactured By:

Maha Energy Corp.

545-C W. Lambert Rd. Brea, CA 92821
Brea, CA 92821
Tel: ***1-800-376-9992 • (714)990-4557***
World Wide Web: ***http://www.mahaenergy.com/***
E-mail: ***tech@mahaenergy.com***

PRINTED IN TAIWAN. 3997-09-R5-5000-TW-MA.B1