

# HEXFLY

HEXFLY.com

## HX-705



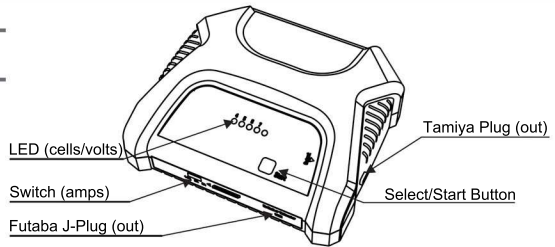
# NIMH / NICD BATTERY CHARGER

HXC705-150304-01

## NiCd / NiMH CHARGER

### Specifications:

- AC input : 100-240V
- DC input: 11-18V
- Charges NiMH, NiCd batteries.
- Voltage peak detection.
- Charge current: 1.5A ,3A, 5A
- Two output ports: Tamiya plug and Futaba J-plug



### Charging Instructions:

1. Plug the charger into a DC power supply (11-18V) or an AC power supply (100-240V)
  2. Once connected to a power supply, all the LED lights will flash slowly for 3 seconds. The third light will then flash quickly, as the other lights go out.
  3. Press the button to select the number of cells in the battery you wish to charge. You can charge a battery that has 4-7 cells. Be sure the LED is set to the same cell count as your battery.
  4. Using the current switch, set the Amperage to correspond with your battery's mAh Charge the battery at 1S. For example, if charging a 2000mAh battery, set the switch to 1.5A. If charging a 3000mAh battery, set the switch to 3A.
  5. After the Voltage (cell count) and Amperage (current) have been set, connect the battery plug to the correct port, Tamiya for regular sized batteries and Futaba J-Port for smaller batteries like receiver batteries. **ONLY CHARGE RECHARGEABLE BATTERY PACKS. NEVER CHARGE ALKALINE BATTERIES!**
  6. Press and hold the button for 3 seconds to start to charging process. Once the battery has begun charging, the LED lights will now display the battery pack's voltage. More LEDs will light as the battery pack's voltage increases from charging.
  7. When all LEDs are lit, the rightmost LED (green) flashes, and the buzzer sounds, quick charging is complete and the charger switches over to trickle charge. Disconnect the battery or press the button to stop the trickle mode.
- The trickle current corresponds with the charge current. If the charge current is was set to 1.5A, the trickle current will be 100mA. If the charge current is was set to 3A, the trickle current will be 150mA. If the charge current is was set to 5A, the trickle current will be 300mA. Do NOT leave the battery plugged up to the charger for any length of time once fast charge is complete. Trickle charge may charge slowly, but it can still over charge a battery pack causing damage and/or fire. If the charger does not detect peak voltage after 90 minutes of fast charging, the far left and far right LEDs will flash signaling that charging has stopped. If the battery hasn't completed charging, you may restart the charging process.

### Status Display:

LED Status: ●=Lighted ○=Off

|       |  |
|-------|--|
| ●●●●○ | 90 minute charge limit reached (Check the battery for damage, if the battery capacity is too large, or if the charge current is set too low) |
| ○●●●○ | Battery not connected (Check the battery connection)   |
| ○●○○○ | Battery connection reversed (check the battery connection)   |
| ○●●●● | The battery cell count is different from the charger cell count setting (Check the charger's battery cell count setting)                     |
| ○●○○○ | Incorrect input voltage (Ensure the input voltage is within specified limits)  |

### Warnings:

- NEVER charge LIPO batteries with this charger!
- Remove battery from vehicle before charging.
- Read the entire manual carefully before attempting to plug in or attempting to use the charger.
- Keep charger, included hardware, and batteries away from water, corrosive gases, dust, and damp environments.
- Only charge 4-7 cell NiMH or NiCd rechargeable battery packs. Never attempt to charge batteries NOT labelled rechargeable.
- Do not attempt to charge more than one battery at a time. Do not plug the charger into AC and DC at the same time.
- Incorrect connections may cause permanent damage to batteries, charger, property, and persons.
- Only use included cables, adapters, and accessories, as others may cause permanent damage to batteries, charger, property, and persons.
- Battery packs may get warm while charging, but should never get hot. If a battery pack gets hot while charging, unplug immediately and let cool.

### Warranty Info:

This product includes a 90 day warranty against factory defects. Warranty starts at date of purchase and the original product receipt is necessary for all warranty claims. This warranty does not cover any use other than specified as proper use in this manual.

# NIMH/NICD SAFETY & CARE

NIMH and NICD batteries are the preferred battery choice for new RC enthusiasts. Because of their predictability and ease of use, they are the perfect battery choice for those learning about the RC hobby. Even though they are considered a safe choice for RC vehicles, there are still some precautions that **MUST** be taken. As with any rechargeable battery, if handled improperly, danger is almost certain. Please adhere to the following guidelines for a safe and fun RC experience.

**Charging:** NIMH and NICD batteries must be charged with a charger specifically designed to charge these battery types. Slow charging is safest. If charged too quickly, these batteries can overheat and catch fire. It is highly recommended charging your batteries on a fire proof surface. Never charge battery packs directly on the carpet or other flammable surfaces. Battery packs should never be left unattended while charging.

**Correct charging:**  
Battery may get warm to the touch, but never hot.



**Charge too fast or for too long a time period:**  
Battery could get hot and catch fire!



**Discharging:** NICD batteries need to be completely discharged before charging again. If not, NICD batteries will form a "memory". This is where the cells will no longer completely discharge, which shortens the run time of the vehicle the battery packs are used in. NICD batteries are rarely included with RTR RC vehicles these days as NIMH is the new standard for entry level RC batteries. NIMH batteries do not need to be completely discharged as they do not form a "memory". If a battery pack gets hot from use, use hand protection to quickly disconnect and remove the battery from the vehicle and allow the battery to cool in a safe nonflammable environment. Once the pack has cooled, you may continue using, charge, or store the pack. It is important not to allow your NICD and NIMH battery packs to get hot for many reasons. The obvious reasons are for personal and property safety. Battery pack longevity is the other. If a pack gets hot, it damages the cells, which shortens the life of the pack. This is why slow charging is always best. If any battery becomes unusable, dispose of the battery pack according to local laws.

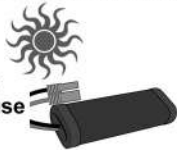
**Hot to Touch:**  
use hand protection to quickly disconnect and remove the battery from the vehicle and allow the battery to cool in a safe nonflammable environment.

**On Fire:**  
Using appropriate fire extinguisher, put out fire and call the local fire department.



**Storage:** NICD and NIMH batteries should be stored in a cool and dry place off of concrete floors. HOT or COLD environments may negatively effect your battery. Storing a NIMH or NICD battery pack in a HOT environment, like direct sunlight or in the family car, may overheat the battery and possibly cause failure or fire. Storing your NIMH or NICD battery pack in a COLD environment, like the freezer or on a concrete floor, may cause the battery to drain and if left for long periods of time, could damage the cells of the battery pack. Store in an air conditioned area like a closet shelf in your home. A good rule of thumb when storing battery packs is, if it's uncomfortable for you to be in the storage area for extended periods of time, the battery shouldn't be left there either.

**Direct Sunlight:**  
Never store battery packs in direct sunlight as it may cause overheating and failure.



**Cold or Wet Environments:**  
Never store battery packs in freezing cold or wet environments as this may cause battery damage and failure.



**NIMH / NICD BATTERIES CAN BE A SAFE EFFICIENT WAY TO POWER YOUR R/C VEHICLES AS LONG AS THE PROPER SAFETY PROCEDURES ARE FOLLOWED.**



HEXFLY.COM