

## CYCLING

**EXTREMELY IMPORTANT!**

Cycle the battery pack before using for the first time.  
When cycling the battery pack for the first time, carefully follow these instructions:

- 1) Set the charge current 110 mA (0.11A).
- 2) Charge the battery pack for 14-16 hours. During charging it may happen that the charger will stop charging while the battery pack is not fully charged. In such case you can continue charging until the battery pack is fully charged. This may happen one or more times during charging and this issue is related to the type of charger or type of charging used.
- 3) After 14-16 hours disconnect the battery pack, even if the charger is still charging it.
- 4) Let the battery pack rest for 1 day.
- 5) After 1 day discharge the battery pack. Set the discharger to a 1100 mA (1.1A) discharge rate, and set the discharge cut-off voltage to 0.9V per cell. This equals 4.5V for a 5-cell pack, and 5.4 V for a 6-cell pack.
- 6) Let the battery pack rest for 6 hours.

Your battery pack has now been cycled and you can use it safely.

## CHARGING

For rapid charging, set the charge current to 1100mA (1.1 A), and use a high-quality peak-detection charger with automatic shut-off. Do not use higher current; if rapid charging is done at a higher current, the battery pack may generate too much heat and explode or vent. Never leave the battery pack unattended while it is charging. If the battery pack becomes too hot (113°F or higher), stop charging immediately.

### Recommended Charger

We strongly recommend using a high-quality peak-detection charger with automatic shut-off. The charger should be specifically designed for charging rechargeable nickel metal hydride (NiMH) cells.

### Discharging and Storage

After use, we DO NOT RECOMMEND discharging the pack completely, as this will damage the pack. You can safely recharge the pack immediately after use without any performance degradation. If you will be storing the pack for longer than a month, partially discharge the pack down to approximately 40% capacity.

**TIP** For charging use the #389130 charging cable



## IMPORTANT WARNINGS

- Never disassemble the battery pack or peel away the cover.
- Keep the battery pack away from water.
- Do not touch the battery pack with wet hands or wet objects.
- Do not subject the battery pack to strong impacts and short circuits.
- Keep the battery pack away from fire and flammable objects.
- Disconnect the battery pack when it is not in use.
- Do not put metal objects in the battery pack connector or touch the terminals in the connector.
- Do not throw away the battery pack when you no longer need it. Bring it to the shop from which you bought it, or to a shop offering battery recycling service.
- If leaked battery alkaline electrolyte gets in your eyes or on your skin, flush thoroughly with clean water and consult with a doctor immediately.
- Regularly check the wiring for damage. While running the car, vibration or movement may cause damage to the wires which if left unchecked may result in a short circuit. If any wire insulations becomes damaged, please dispose of the battery pack properly and do not use it, nor try to repair it.

You are responsible for the proper use of this battery pack and any damage that may occur due to its use or misuse. XRAY is not liable for any injury, damage, or harm caused to any person or property arising from the use or misuse of their products.



RECYCLE THE BATTERY PACK!



DO NOT DISPOSE OF IN FIRE!

## WARRANTY

A new, unused battery pack is guaranteed against manufacturer's defects and workmanship. Any damage due to misuse by the user will be repaired at the user's expense. There is no warranty expressed or implied that covers damage caused by normal use, or covers or implies how long the battery pack will run (run time), or last before requiring replacement due to normal use and normal cell degradation.

XRAY shall not be liable for any damage caused by overcharging, battery failure, improper charging or discharging, use of non-approved chargers, use of non-approved batteries, and alternations or modifications of any kind to the charger, batteries, switches, or wiring.

## NOTE:

When using the battery pack in the micro model cars:  
Some of the battery packs may be slightly longer than others due to the way wiring is made on individual packs. This may lead to complications when inserting the battery pack on the chassis between the battery holding posts (which hold the battery strap). If this occurs, we recommend that you trim a small amount of material from the battery holding posts so the battery packs sits properly on the chassis without problem. We also recommend that you attach a small foam strip to bottom of the battery strap to remove any gap between the strap and the battery pack. This will help to keep the battery pack in place and prevent it from falling out.

If you have any questions, please do not hesitate to contact XRAY at [info@teamxray.com](mailto:info@teamxray.com) or visit our website at [www.teamxray.com](http://www.teamxray.com) for news and updates.