

Radio Controlled (RC) Battery Charger Safety

General Safety Warnings for Use of a RC Car Battery Charger

- 1) Understand and learn about the different types of available battery packs and which type you have [Lithium Polymer (LiPo) vs Nickel Cadmium (NiCd) vs Nickel Metal Hydride (NiMH)].
- 2) Be sure your battery charger is for your specific type of battery pack. Do not cross battery packs and charger types.
- 3) **ALWAYS** inspect the battery pack to ensure there are no signs of damage, deformity, or swelling before charging. If there are, do not continue charging the battery pack, and follow the proper procedures to dispose of the battery pack.
- 4) Do not charge on surfaces that can catch fire – this includes: wood, cloth, carpet, or in the application's device.
- 5) **NEVER** charge batteries unattended. Always remain in constant observation of the charging process & react to potential problems that may occur.
- 6) Do not charge multiple battery packs in series. Charge each battery pack individually. Failure to do so may result in incorrect battery recognition and charging functions. Overcharging may occur and result in fire.
- 7) Lithium Polymer (LiPo) is the most volatile type of battery to use but also provides very high performance which makes them a popular choice for hobbyists. Be sure to follow all manufacturer recommendations for charging and utilize the fireproof charging bag provided with the system.
- 8) Store batteries away from heat and in low humidity areas. Avoid areas which contain flammable liquids and other combustible products.
- 9) Check voltage of battery packs using a digital voltmeter (not your charger) prior to charging to ensure battery volts are at manufacturer recommendations. Battery packs with voltage less than allowed per manufacturer can overheat on the charger and lead to fires.
- 10) **ALWAYS** read the manufacturer instruction manual that comes with your battery pack system and follow manufacturer guidelines and steps for charging. Follow environmental guidelines for disposal of old or damaged battery packs.