

Duratrax Piranha Manual



Congratulations on your purchase of the Piranha Digital Peak Charger by Duratrax! Designed for peak detection charging of nickel-cadmium (NiCd) and nickel-metal hydride (NiMH) rechargeable batteries, the Piranha Digital Peak Charger offers programming flexibility normally found in expensive, upper-end computerized chargers - at an amazingly affordable price! It's great for batteries containing from 1 to 8 cells, with fully adjustable fast charge current, peak detection sensitivity and trickle charge rates, and the addition of a custom 2-line LCD for displaying a wide variety of battery and charge data. The Piranha Digital Peak Charger is an unbeatable value in today's market, and another great choice from Duratrax, The Leader in Awesome PVC!

Included with this instruction manual is a quick reference menu flowchart which shows how the entire program structure for the Piranha Digital Peak Charger is designed. Retain this flowchart for reference when reading this manual and for future use.

SPECIAL FEATURES

- AC/DC convenience is great for use at home or at the track!
- Peak charges 1-8-cell NiCd or NiMH packs.
- Peak charge current adjustable from 0.1 to 5.0 amps (3.0A maximum with AC input).
- Automatic charge mode feature automatically charges batteries if specific charge settings are not pre-set.
- Adjustable peak detection sensitivity or "threshold" from 3mV - 20mV, to custom match the charge to specific batteries.
- Adjustable trickle charge rates 0, 100mA, 200mA.
- Two-line, 8 character LCD for easy programming and data display.
- Displays battery voltage, peak detection mV, charge time, current, and capacity.
- Displays errors for improper input voltage, poor battery connections, and reverse polarity on the output.
- Store pre-set charge parameters in memory for multiple batteries.
- Multiple sound cues and melodies.
- Microprocessor controlled intelligence and reliability.
- Solid-state reverse polarity and short circuit protection on input and output.

SPECIFICATIONS

Input Voltage: 110V AC 60Hz, 11-15V DC
Compatible Cell Types: nickel-cadmium (NiCd), nickel-metal hydride (NiMH)
Cell Counts: 1-8 cells
Peak Charge Rate: 0.1-5.0A, 3.0A maximum w/AC input
Charge Rate Increments: 0.1A (100mA)
Fast Charge Termination: zero delta peak
Trickle Charge Rate: 0, 100mA, 200mA selectable
Display Type: 2-line, 8 character LCD
Sound Cues: individual tones and pre-set melodies
Memory Pre-sets: store parameters for 10 battery packs
Output Connectors: spring loaded terminals
Case Size: 5 x 3.4 x 5.5" (127 x 86 x 140mm)
Weight: 2.94 lb (1335g)

IMPORTANT PRECAUTIONS

- Do not charge battery types other than nickel-cadmium (NiCd) or nickel-metal hydride (NiMH) rechargeable batteries. Damage may occur from other types of batteries.
- Do not connect AC and DC power sources to the charger simultaneously.
- Do not attempt to charge batteries at excessive fast charge currents.
- Do not use automotive type battery chargers to power the charger.
- Do not leave the charger unattended while charging. Disconnect the battery and remove input power from charger immediately if the charger becomes hot. Allow the charger or battery to cool down before reconnecting.
- Do not allow water, moisture or foreign objects into the charger.
- Do not place the battery or charger on or near a flammable object while in use. Keep away from carpets, cluttered workbenches, etc.
- Do not cover the air intake holes on the charger as this could cause the charger to overheat.
- Always disconnect charger from power source when not in use.
- Adult supervision required when used by a child.
- Do not attempt to charge A, AA, AAA or smaller batteries above 1A rate.
- Do not connect the battery to the supplied connector until it has been "locked" into the charger.



The Piranha Digital Peak Charger is capable of charging both nickel-cadmium (NiCd) and nickel-metal hydride (NiMH) battery chemistries, as identified by this symbol. Look exclusively for battery chargers with this symbol to handle both NiCd and NiMH charging needs.

IMPORTANT CARE & HANDLING INSTRUCTIONS FOR NiMH BATTERIES

While similar in appearance to sub-C NiCd batteries and having the same 1.2V rating per cell, NiMH cells contain a different chemical makeup which requires different care and handling.

- Do not to allow NiMH batteries to overheat at any time. Heat can adversely affect the performance of NiMH batteries. If overheating is observed, disconnect the battery from the charger immediately and allow to cool!
- Do not deep cycle NiMH batteries as permanent damage could result.

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Piranha 1500mAh SCX 7Cell Flat Standard. Piranha 1900mAh 6Cell Flat Standard. Piranha 1900mAh 7Cell Flat Standard. CX10 for 67 cell NiCds is a fast,Peak 67 cell NiCdPeak Power Charger for 67Piranha DCPeak ChargerA highquality fiberglass hull sets the Paradise apart from otherThe includedLength 26 in 660mm. Beam 5.3 in 135mm. Weight 3 lb 1360g. Requires 12 "AA" batteriesFiberglass hull!The Nitro Hammer hits the nailVirtually everything is includedPlus, the fuelproof fiberglassLength 24 in 610mm. Beam 8.8 in 220mm. Requires 20% glow fuel,Fiberglass hullAn ESC withLength 3.5 in 850mm. Beam 8.8 in 220mm. Total Height 29 in 740mm. Requires 6cell, 7.2V battery,Distributed Exclusively Through GREAT PLANES MODEL DISTRIBUTORS COMPANY, P.O. Box 9021, Champaign, IL 618269021. Brochure No. HCAZ0367A host of tiny. Multirotors Drones Drones Talk Multirotor Beginner Specific Models of MultiRotors and Drones Micro Multirotors Mini Multirotors Aerial Pictures and Video Showcase Scratchbuilt Multirotors Multirotor Electronics Multirotor Power Systems MultiRotor Apps and Related Software Multirotor Events FPV FirstPerson View RC Aircraft Flying and RC Vehicle Operation. Forum questions or problems Test Posting Forum Check forums below for more specific categories if applicable. I would charge that 1200 mah on 1.2 amps. Yes, it will take around an hour, but you can raise amps which will charge faster. I dont recommend it because it kills your batteries in the long run.Since I got my MRC 977.havent had a problem. If it dont work even though youve done EVERYTHING they say.then ask them why it still dont work! I would try to deal with the same person each time your are on the phone.that way you arent explaining your problem over and over again to 7 different people. Keep

good records of what is happening temps, time limits, etc..that should show them you are not fooling around or being a pain on the phone. Good luck and hope you get it figured out.http://www.oliviars.it/img/img_text/defender-digital-wireless-dvr-security-system-manual.xml

Ob1nIts also suppose to stop when it hits the mah limit that you put into the charger. Its a safety feature in case it doesnt detect a peak and overcharge the battery. These things are great chargers, I have 2, my friends have them, great cheap little units.What are the peak threshold things for and what should I set them at for a Elite 1500 mah batterySorry to go offtopic, but I wanted to ask if the charger charges receiver packs as well. I know Ill have to make a charge harness, but thats fine. I just want to make sure it CAN charge receiver batteries before I go on and buy one.

Thanks.Depending on if you are charging them at too high amperage, they may be false peaking, causing the batteries to not seem like they are fully charged and they arent. Read through the instruction manual for the charger carefully before charging, they give you that little packet of paper for more than a reason to cut down a tree!! EvaderUse of this site indicates your consent to the Terms of Use. Use of this site indicates your consent to the Terms of Use. Youll never have to worry about under or overcharging packs again, and it protects itself and your batteries five different ways. It starts with onebutton ease, and you can charge and recharge batteries all day long Features Peak Charges 6 and 7cell NiCd Battery Packs. Not Recommended for NiMH. 6 and 7Cell Selector Switch Red LED, ConstantON During Fast Charge, Flashes During Automatically Switches To TRICKLE When Peak Charge Is Reached Maximum Per Cell Voltage of 1.75V Automatically Stops Fast Charge When This Condition Is Met So To Not Damage Battery From Overcharge Reverse Polarity Protection On DC Input Short Circuit and Reverse Polarity Protection On Output Charger Can Detect Such Problems and Will Automatically Disable Charge Functions 5 Seconds After Detecting Problem LED Will Go OFF Indicating Termination. Why Peak ChargeTo get the fullest, deepest charge possible—thats why.

With many fast chargers, charging stops when the timer runs out. The pack may be charged, undercharged or even overcharged, but you never know for sure the exact state of the battery. By contrast, a peak detection charger determines charge condition by constantly monitoring the packs voltage. Once peak voltage is reached, peak capacity is too, and the charger shuts off. In short, peak charging means more capacity per pack with less work. Full SH applied to 1st item item with highest SH, then combined SH for each additional item. Still confused about combined SH. See my Policy Page HERE for an example. Want combined SH You need to combine payment.Pewter Silver Snuff Bottle Stretch Armstrong. This model allowsOne of the first things I noticed when I removed the charger from its box wasThe charger was remarkably well packed into the box, and also included an extraCharging a standard 1800mah battery pack took about 28 minutes which is about The charger automatically switched to a 3575maIts not that I dontThis model sells. Password Home Register Forum Rules FAQ Calendar Loading Notices Welcome to RCCrawler Forums. It looks like youre enjoying RCCrawlers Forums but havent created an account yet. Why not take a minute to register for your own free account now. As a member you get free access to all of our forums and posts plus the ability to post your own messages, communicate directly with other members, and much more. Register now ! Already a member Login at the top of this page to stop seeing this message.That is what I use if I need to quickly charge AAs. I also do my AAAs that way also.Just recharge the batteries for my TX. Course the guy at the LHS brought up a good point that most off the shelf rechargeable batteries are lower volts than alkalines. I wonder if that would be a problemContact Us Add Thread to del.icio.us Bookmark in Technorati Tweet this thread Share on Facebook.