

SUPER BRAIN INSTINCT 825

AC/DC DELTA PEAK CHARGER

Congratulations on your purchase of the *Super Brain Instinct 825* battery charger. This lightweight AC/DC charger is a great choice for easy charging of R/C cars, trucks, boats, aircraft and Airsoft applications that use rechargeable 1-8 cell AA, AAA, 2/3A, Sub-C, D NiCd & NiMH battery packs. Its 2 & 4 Amp selectable charge rate, built-in AC power supply, automatic detection of battery type, plus three of today's most popular connectors, give you versatility on the bench and in the field. MRC's patented Micro Peak® circuitry, (US 6,218,808 B1) keeps batteries cooler, ensuring optimum charge and extending battery life. By monitoring all the battery variables while charging, and detecting the moment of maximum charge, the *Super Brain Instinct 825* prevents over-charging that could generate excessive heat, and potential damage to the battery pack.

Please read this entire manual, including all Safety Cautions & Warnings before operating your *Super Brain Instinct 825* battery charger.

Safety Cautions & Warnings

1. Never attempt to charge any battery other than a NiCd or NiMH from 1-8 cells.
2. Never use the AC (line cord) and DC (alligator clips) inputs at the same time.
3. Do not charge a battery pack inside an automobile or while the engine is running.
4. Never leave the *Super Brain Instinct 825* unattended while charging a battery; the ultimate safety device is your vigilance. Disconnect the battery if it becomes very hot.
5. Discontinue use if the charger casing becomes damaged.
6. Do not allow moisture or any other liquids around the charger.
7. Always disconnect the *Super Brain Instinct 825* from the power source when it is not in use.
8. Always place the *Super Brain Instinct 825* in a well ventilated area with the battery on a solid, uncarpeted surface during charging.
9. Remove the battery from inside any product while charging.
10. Always connect the *Super Brain Instinct 825* to a power source first before connecting a battery... otherwise it will not charge.
11. Adult supervision is required for ages 14 and under.

Features

- AC/DC inputs
- 2 and 4 amp selectable charge rates
- 1-8 Cell NiCd or NiMH batteries
- Microprocessor controlled
- MRC's patented Micro Peak® technology
- 10 Bit A/D converter / DSP algorithm
- Thermal Management Optimization
- Auto Trickle charge
- Traxxas®, Airsoft and standard connectors included

Operation

Plug the AC line cord into a 110-120VAC outlet. For DC operation, connect the red clamp to a 12V automobile battery's positive terminal and the black clamp to the negative terminal. There are two charge rates; 2 amp (2A) and 4 amp (4A). To change the charge rate, press and hold the "Sel." button for one second and then release. The LED of the selected charge rate will illuminate. Wait for a period of 5 seconds if you choose to change the charge rate again. The *Super Brain Instinct 825* will default to the last charge rate selected.

Connect your battery. The *Super Brain Instinct 825* will automatically start charging. You cannot change the charge rate once the charge has started. If another charge rate is desired, unplug the battery to stop the charge, make your change, then reconnect the battery.

While charging your battery, the pilot light flash rate will change to a longer on-time and momentary off-time (solid RED with a slight flicker) rate to indicate fast charging. When fast charging has completed, automatic Trickle charge mode will start and continue for 90 minutes. The pilot light will return to flashing in half-second intervals (on & off) during Trickle charge.

The *Super Brain Instinct 825* will flash both LEDs indicating that all charging has terminated (both fast and trickle). To charge another battery, disconnect the charged battery and the *Super Brain Instinct 825*'s power source, then reconnect.

In time, batteries can lose their charge. To ensure a full charge prior to use, top off the battery pack by initiating a charge. If the battery has been fully charged the Micro-Peak technology will detect a full charge and go right into trickle mode.

Additional information, along with our other hobby products, may be found on our website at www.modelrectifier.com. You can also scan the QR code located on the back of the box with your Smart Phone.



Technical Support/Return Procedure

Please call MRC Customer Service at 732-225-6360 or contact chargersupport@modelrectifier.com before returning your *Super Brain Instinct 825* for repair. If it's necessary to return your charger, please include a letter printed clearly with your name, address, a daytime telephone number, and a detailed description of the problem. Include a check or money order for \$10.00 to cover return shipping & handling. Include a copy of your purchase receipt for service within the 1 year warranty period. If the warranty has expired, include \$30.00 to cover the repair fee and shipping and handling. Return to:

Model Rectifier Corporation (MRC) Attn: Parts & Service
80 Newfield Avenue Edison, NJ 08837-3817

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