

ORDER.NO.

41280**QUADRA PRO**

100-240V AC / 12V DC
CHARGE-DISCHARGE-CYCLE
1-14 CELLS NiMH/NiCd
1-5 CELLS LIPO/LiFePO

USER GUIDE



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1. CONNECTIONS / OPERATION

The QUADRA-PRO was developed with the main objective placed on easy operation of all features. Intuitive navigation by means of 4 buttons makes it very easy to use and the 2-line blue backlit LC display offers perfect, reliable control of all settings and functions.



OUTPUT JACKET: connect battery to be charged to the 4.0mm jacket, using supplied charge wires.
Caution: Be careful with correct polarity!

BUTTONS:

MENU Scrolls/jumps through the function list.
DEC - Decrements the underscored value.*
INC + Increments the underscored value.*
START/STOP Next program step / Start a program / Cancel a running program.

* Button has high-speed function for rapid setting (hold down button to change value faster).

16x2 LCD SCREEN:

Active function Current Time elapsed since start

NiMH 5.0A 00m35s

08.58V 0048mAh

Voltage at output connectors Capacity



DC INPUT: connect to a suitable DC source with 11-15V, using the supplied connection wire.

Caution: Be careful with correct polarity!
- Red = Plus
- Black = Minus

AC INPUT: connect to main power with 100-240VAC

Caution: Do not alter the wire or connector as this will void your warranty!

2. SETTINGS

The QUADRA-PRO allows you to save 3 individual user profiles. This means you can customize 3 personal charge profiles individually and store them for later use. The QUADRA-PRO has 3 preset works-default settings when shipped out: P1 (NiMH), P2 (NiCd), P3 (LiPo 2-cell). For details see the table below.

The active profile P1, P2 or P3 is displayed in the main menu. By pressing the INC+ and DEC- buttons you can change between the profiles and their settings.

To reset your QUADRA-PRO to works-default settings, proceed as follows:

- Disconnect input voltage.
- Hold down MENU button while reconnecting the input voltage.

User Profile	P1	P2	P3
Battery Type	NiMH	NiCd	LiPo
Charge Current	4.0A	3.0A	2.0A
Charge D-Peak	20mV	50mV	--
Charge Trickle	Off	Off	--
Charge LiPo Volt	--	--	7.4V
Discharge Current	1.0A	1.0A	1.0A
Discharge Voltage	5.4V	5.4V	6.0V

Dear Customer,

thank you for your trust in this LRP product. By purchasing a LRP QUADRA-PRO Professional Battery Management System, you have chosen a high-performance product which has the latest technology incorporated including the following High-Tech features:

- NiMH - NiCd - LiPo - LiFePo Charging
- NiMH - NiCd - LiPo - LiFePo Discharging
- Cycle Mode
- Microprocessor Controlled
- 25-Year Warranty
- Dual Input (100-240Vac + 12Vdc)
- Blue backlit 16x2 LCD
- Partial Charge & Autostart Mode
- 3 User Profile Memories
- Multi-Protection-System

Please read the following instructions carefully before you start using your LRP QUADRA-PRO charger. This user guide contains important notes for the installation, the safety, the use and the maintenance of this product. Thus protecting yourself and avoid damages of the product.

Proceed according to the user guide in order to understand your LRP QUADRA-PRO charger better. Please take your time as you will have much more joy with your product if you know it exactly.

This user manual shall be kept in a safe place. If another customer is using this product, this manual has to be handed out together with it.

3. SPECIFICATION

Dimensions	[mm]	145x160x60	Autostart Timer	yes
Weight	[g]	600	Partial Charge Mode	yes
Input Voltage	[AC]	100-240V	Cycle Mode	yes
	[DC]	11-15V	User Profile Memory	3
Charging Mode		Linear	LCD	16x2, blue backlit
Charging Capability	LiPo/LiFePo	1-5 cells	Acoustic Signal Type	Buzzer
	NiMH/NiCd	1-14 cells	Buttons	4
Charge Current	[A]	0.1 - 5.0	Advanced Digital	yes
Trickle Current	[A]	0 - 0.25	Multi-Protection-System	yes
Delta Peak	[mV]	5 - 200	DC Input Connection	Alligator Clamps
Discharge Current	[A]	0.1 - 1.0	AC Input Connection	AC connector
Discharge Cut-Off Voltage	LiPo/LiFePo	2.5 - 14.0V	Output Connection	4.0mm jacket
	NiMH/NiCd	0.9 - 16.0V		

Specifications subject to change without notice.

4. CHARGE

SET Battery Type: The QUADRA-PRO can charge 4 different cell types and incorporates the designated charge algorithms for each particular cell type for best performance, reliability and safety.

NiMH/NiCd → charging with constant current + delta-peak detection. This is the most popular charging method for NiMH/NiCd-batteries in competition.

LiPo/LiFePo → charging using the CC/CV-charging method. With this charging method, the battery gets charged with a constant current first. As soon as the battery voltage reaches the max. charging voltage of the LiPo- (4.2V/cell) or LiFePo- (3.7V/cell) battery, the charger automatically reduces the charging current till the battery is fully charged.

Caution: Always choose the correct BATTERY TYPE setting for the battery you want to charge, as wrong setting may result in damage to the battery, fire or explosion!

SET Charge Current: The charge current can be set from 0.1 to 5.0A. If not otherwise specified by the battery manufacturer, choose 0.5C charge rate which is always a safe value!

SET Charge Delta Peak: With NiMH/NiCd-batteries, you only obtain the optimum battery performance by slightly „overcharging“ the battery. In real terms, it will not be overcharged, but charged to an optimum level. The battery voltage drops at the end of the charging process (delta). The size of the drop (delta peak) is adjustable in the range between 5 - 200mV. The higher the value, the hotter the battery will be at the end of the charge. We recommend to start with the works-default settings.

Note: The adjustable Delta-Peak value applies to the whole battery pack and not to one single cell!

SET Charge Trickle: This current, which flows after delta peak cutoff, is adjustable from 0.0A to 0.25A to achieve the highest possible voltage for NiCd cells. Set this function to „Off“ for NiMH cells.

SET Charge LiPo/LiFePo Volt (pack voltage): The packs rated voltage for LiPo- and LiFePo-batteries must be set according to the packs number of cells. See right table.

Cell#	LiPo	LiFePo
1	3.7V	3.3V
2	7.4V	6.6V
3	11.1V	9.9V
4	14.8V	13.2V
5	18.5V	16.5V

* C=Nominal capacity of the battery. E.g. with a nominal capacity of 3300mAh (3.3Ah), the battery can be charged with a max. current of 3.3A.:

5. DISCHARGE

The adjustable discharge circuit (0.1 to 1.0A) can be used for 1-14 cell NiMH/NiCd-packs and 1-5 cell LiPo/LiFePo-packs. The QUADRA-PRO informs you about all the data relating to the battery pack, e.g. discharge time, capacity and average voltage.

By discharging your battery pack on the QUADRA-PRO after use, you obtain vital information about remaining capacity for optimizing your motor or gear ratio for the next run. This also maintains your battery packs in good condition.

SET Discharge Current: The discharge current can be set from 0.1 - 1.0A.

SET Discharge Voltage: The cut-off voltage can be adjusted from 0.9 - 14.0V depending on the number of cells. We recommend a cut-off voltage of 0.9V/cell with NiMH/NiCd-, 3.0V/cell with LiPo- and 2.6V/cell with LiFePo-batteries. This means for example
- 5.4V for 6-cell NiMH/NiCd
- 6.0V for a 2-cell LiPo
- 5.2V for a 2-cell LiFePo

6. CYCLE

This fully automatic cycling/matching function allows you to determine the actual performance of your packs before using them. Battery packs change during their life span. Use the QUADRA-PRO to detect the actual quality of your packs. This prevents nasty surprises.

The „Cycle“ mode uses the charge and discharge values of the currently selected programm, stored under „Settings“. The pack is first discharged, then charged and finally discharged. At the end of the process, the pack capacity and the average discharge voltage are displayed.

There is a short delay in the timer during cycle operation, in order not to overheat the batteries, which is as following:

- Initial Discharge -> Charge: 1min (if discharge was finished within 10min), otherwise 5min
- Charge -> Discharge: 1min (if charge was finished within 10min), otherwise 5min

Note: The „Cycle“ function can of course be used for all types of cells (NiMH-NiCd-LiPo-LiFePo).

7. PARTIAL CHARGE

Never store your batteries completely empty as this will harm them and lower their performance. Due to this fact, the QUADRA-PRO features a „Partial charge“ mode. With this function, you can set a fixed capacity value and the battery will be partially charged exactly to this amount. Thus you can always perfectly prepare your battery for storage, if you want to store them over a longer period of time.

We recommend to completely discharge the battery first and then put about half of the nominal capacity back into the battery. For example, a battery with a nominal capacity of 4200mAh should be partially charged with 2100mAh.

Note: NiMH batteries can be stored for about 1-2 months without problems using this method. LiPo/LiFePo batteries can be stored for about 6 months without problems. After this time period, you should check the battery and, if necessary, put some partial charge in again if you don't use it regularly.

To partially charge a battery, follow these instructions (see chapter 11 „Programme Structure“ for further reference):

1. Be sure, that the battery has been discharged completely.
2. Choose a suitable charging profile or adjust the charge setting in the „Settings“ menu so it fits the battery, which you want to partially charge.
3. Choose „Charge“ from the menu and press the START/STOP button to get to the Autostart setting screen.
4. Now press the MENU button once, as long as you see the Autostart setting screen.
5. The screen now changes to „Partial Charge“ and 1.0Ah is preset.
6. You can now use the INC+ and DEC- buttons to adjust the amount of partial charge. After setting the partial charge value, press the START/STOP button to start the partial charge process.

8. SPECIAL FEATURES

Autostart Timer: This handy feature lets you preselect when you want to start charging your battery with the QUADRA-PRO. The Autostart Timer is adjustable from 0 - 99min. If you stay in the „Autostart Display“ for longer than 30sec without setting a value, the charging process will start automatically.

Changing the charge current on the fly: The charge current can be changed on the fly by pressing INC+ or DEC- without interrupting the charging process. This change is not stored. The next time you start charging, the QUADRA-PRO takes the data settings of each charge profile, stored under „Settings“.

PCS-4 (Peak Capacity System): The voltage charge curve of NiMH cells may vary considerably at the start of charging due to cell construction. Conventional chargers interpret this incorrectly as „delta peak reached“ and terminate the charging process (false peak). The QUADRA-PRO has the LRP-exclusive PCS-4 which contains advanced algorithms to detect this phenomenon: This ensures reliable full charging. PCS-4 allows the perfect full charge of all NiMH cell types by means of an adjustable delta peak and high-precision digital-filter detection of all parameters throughout the entire charging process. The QUADRA-PRO signals full charge and end of charge by an alert buzzer that sounds for 3 minute.

Data View Function: at the end of each process (charge, discharge or cycle) you can view additional data by pressing MODE button. Also you can access DATA VIEW from initial screen by pressing MODE button, which allows you to view (press MENU again to hop through data): DC input voltage / Battery voltage / Charge data from last process / Discharge data from last process

9. RECOMMENDED CHARGE SETTINGS

Always follow the cell manufacturers charge-/usage-recommendations, never use batteries outside their specifications!

Battery Type	Voltage / Cells	Battery Type	Charge Current	D-Peak	Trickle	LiPo Volt	Dischg. Current	Dischg. Volt
NiCd Sportpacks (1600-2400mAh)	7.2V / 6	NiCd	3.0A	50mV	0.1A	--	1.0A	5.4V
NiMH Sportpacks (3000-4200mAh)	7.2V / 6	NiMH	3.0A	20mV	OFF	--	1.0A	5.4V
NiMH Sportpacks (3000-4200mAh)	12.0V / 10	NiMH	3.0A	30mV	OFF	--	1.0A	9.0V
NiMH Sportpacks (3000-4200mAh)	14.4V / 14	NiMH	3.0A	50mV	OFF	--	1.0A	12.6V
NiMH Competition Cells	4.8V / 4	NiMH	5.0A	5mV	OFF	--	1.0A	3.6V
NiMH Competition Cells	6.0V / 5	NiMH	5.0A	10mV	OFF	--	1.0A	4.5V
NiMH Competition Cells	7.2V / 6	NiMH	5.0A	15mV	OFF	--	1.0A	5.4V
NiMH Competition Cells	12.0V / 10	NiMH	5.0A	25mV	OFF	--	1.0A	9.0V
NiMH Competition Cells	14.4V / 14	NiMH	5.0A	35mV	OFF	--	1.0A	12.6V
AA/Mignon NiMH Cells (2000-2700mAh)	9.6V / 8	NiMH	0.5A	30mV	OFF	--	0.3A	7.2V
2/3A NiMH Cells (1200-1600mAh)	6.0V / 5	NiMH	1.0A	15mV	OFF	--	0.8A	4.5V
LiPo Pack Air ~480mAh (plane/helicopter)	11.1V / 3S	LiPo	0.5A	--	--	11.1V	0.5A	9.0V
LiPo Pack Air ~1500mAh (plane/helicopter)	11.1V / 3S	LiPo	1.5A	--	--	11.1V	1.0A	9.0V
LiPo Pack Air ~3000mAh (plane/helicopter)	11.1V / 3S	LiPo	3.0A	--	--	11.1V	1.0A	9.0V
LiPo Pack Car ~1800mAh (Micro 1/18)	7.4V / 2S	LiPo	1.8A	--	--	7.4V	1.0A	6.0V
LiPo Pack Car ~5000mAh (1/10)	7.4V / 2S	LiPo	5.0A	--	--	7.4V	1.0A	6.0V
LiPo Pack „TX Only“ ~2700mAh	11.1V / 3S	LiPo	1.5A	--	--	11.1V	0.5A	9.0V
LiPo Pack „RX Only“ ~1800mAh	7.4V / 2S	LiPo	1.2A	--	--	7.4V	0.5A	6.0V
LiFePo Pack „RX Only“ ~1800mAh	6.6V / 2S	LiFePo	1.2A	--	--	6.6V	0.5A	5.2V
LiFePo Pack Car ~4500mAh	6.6V / 2S	LiFePo	4.5A	--	--	6.6V	1.0A	5.2V

10. TROUBLESHOOTING GUIDE

The QUADRA-PRO is protected against faults and operator errors by the Multi-Protection-System. Faults/Errors are displayed on the LCD screen and some faults/errors may interrupt the charging process to protect the charger and the battery. The error messages are as follows:

ERROR-MESSAGES

CAUTION
Battery Error

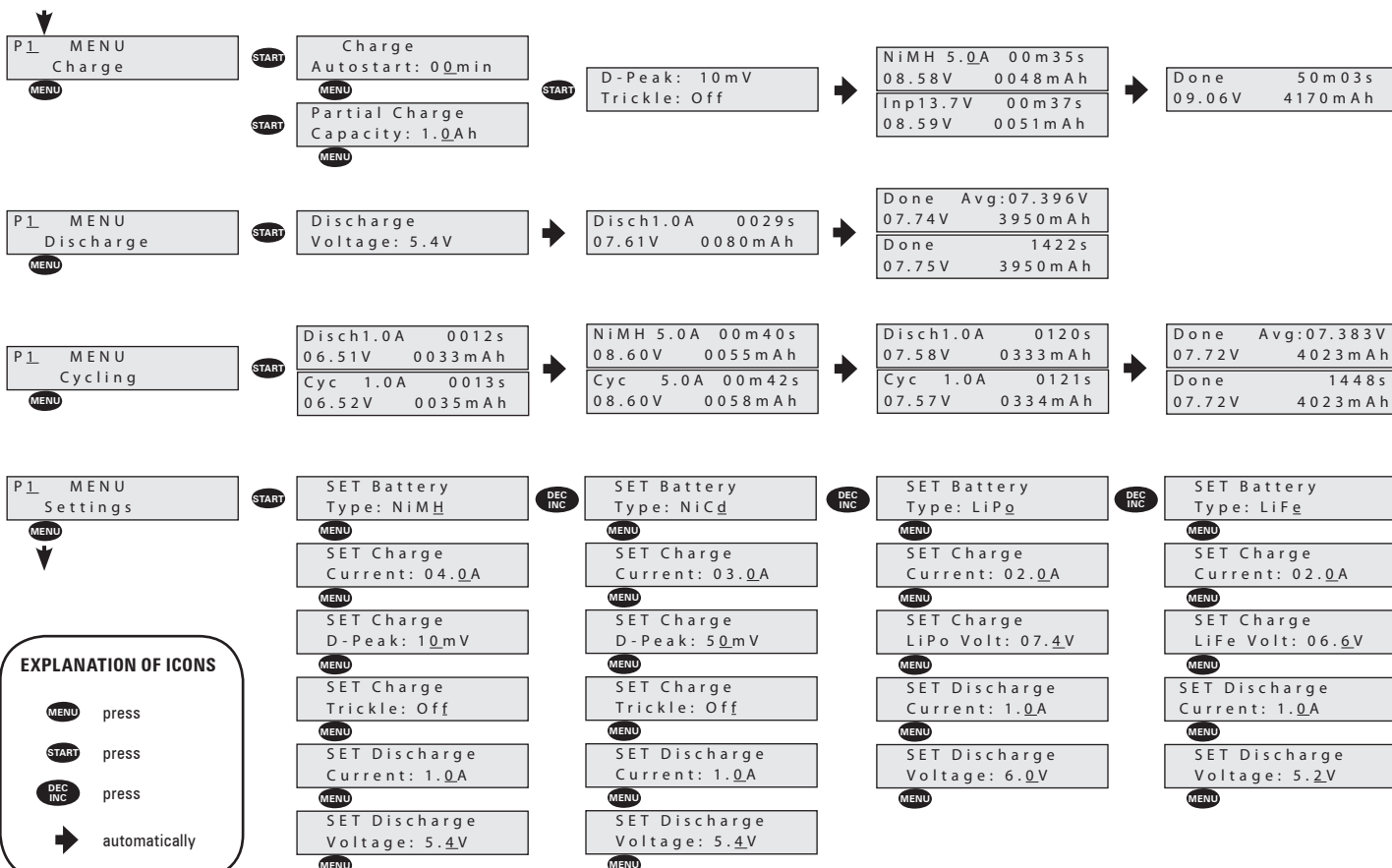
INTERRUPT
Low Input Volts

INTERRUPT
High Input Volts

POSSIBLE CAUSES

- No battery connected?
- Wrong battery polarity, bad contact?
- Defective battery?
- Wrong LiPo-cell quantity?
- Input voltage too low/switched off (<11.0V on DC input)
- Bad contact on input clamps?
- Input voltage too high (>15.0V on DC input)

11. PROGRAMME STRUCTURE



EXPLANATION OF ICONS

- press
- press
- press
- automatically

! WARNING NOTES

No toy. Not suitable for children under 14 years.
Keep the product out of the reach of children.

Pay close attention to the following points, as they can destroy the product and void your warranty. Non-observance of these points can lead to property damage, personal and severe injuries!

- Never leave the product unsupervised while it is switched on, in use or connected with a power source. If a defect occurs, it could set fire to the product or the surroundings.
- Never wrap your product in plastic film, metal foil or similar. In fact, make sure it gets enough fresh air.
- Avoid incorrect connections or connections with reversed polarity of the product.
- All wires and connections have to be well insulated. Short-circuits can possibly destroy the product.
- Never allow this product or other electronic components to come in contact with water, oil or fuels or other electroconductive liquids, as these could contain minerals, which are harmful for electronic circuits. If this happens, stop the use of your product immediately and let it dry carefully.
- Never cut off or modify the original plugs and original wires.
- Never open the product and never solder on the PCB or other components.
- Never use this product when the case is open, damaged or missing or when the product is wrapped in a shrink-fit tube. This will reduce protection, may cause short circuits and damage the product.
- Always remove the battery from your product or disconnect the product from the power source, if the product is not in use.
- In the case of damage, the product must not be used until it has been completely repaired.
- Do not throw away used batteries in the household garbage, but only give them to the collection stations or dispose them at a special garbage depot.
- Always charge the battery outside of the product you want to use. The product could get damaged, if a battery defect occurs.
- Avoid short circuits, overcharging and reverse polarity of the battery or single cells. This can lead to fire or explosion.
- Never leave the battery unattended while charging.
- During charging, the battery has to be kept on a non-flammable, heat-resistant mat. Furthermore no flammable or highly inflammable objects may be close to the battery.
- Only charge in a dry place.
- Non-rechargeable batteries must not be recharged.
- Pay attention, that the charger is set to LiPo charge mode when charging a LiPo battery.
- The charger has to be used in a well ventilated room.
- Do not manipulate the input power cords.
- Never leave your charger connected to main power when not in use.
- Do not block the fan or the cooling slits of the product. Ensure a good circulation of air around the product, while in use.
- Always comply with the charging instructions and recommended charging currents of the battery manufacturer and matchers and never exceed their specification.
- Never use a DC power-source with more than 15V output voltage.
- New units may produce a slight odor in the first few hours of service due to materials curing inside the device.
- If individual cells in the battery pack heat up excessively, immediately stop the charging process.
- Only charge quick-chargeable NiMH, NiCd or LiPo batteries with this unit. Other battery types can not be charged with this unit.

The manufacturer can not be held responsible for damages, which are a result of non-observance of the warning notes and security advices.



The crossed-out wheeled bin means that within the European Union the product must be taken to separate collection at the product end-of-life. Do not dispose of these products as unsorted municipal waste.

REPAIR PROCEDURES / LIMITED WARRANTY

All products from LRP electronic GmbH (hereinafter called "LRP") are manufactured according to the highest quality standards. LRP guarantees this product to be free from defects in materials or workmanship for 90 days (non-european countris only) from the original date of purchase verified by sales receipt. This limited warranty doesn't cover defects, which are a result of misuse, improper maintenance, outside interference or mechanical damage.

„This applies among other things on:

- Cut off/changed original input- and/or output-wires
- Mechanical damage of the case, electronic components or PCB
- Humidity/Water inside the case
- Soldered on the PCB
- Charger disassembly by customer
- Any modification of the charger done by the customer
- Over temperature failures due to blocking the fan or the cooling slots
- Reverse polarity at DC output

To eliminate all other possibilities or improper handling, first check all other components in your model and the trouble shooting guide, if available, before you send in this product for repair. If products are sent in for repair, which do operate perfectly, we have to charge a service fee according to our pricelist.

With sending in this product, the customer has to advise LRP if the product should be repaired in either case. If there is neither a warranty nor guarantee claim, the inspection of the product and the repairs, if necessary, in either case will be charged with a fee at the customers expense according to our price list. A proof of purchase including date of purchase needs to be included. Otherwise, no warranty can be granted. For quick repair- and return service, add your address and detailed description of the malfunction.

If LRP no longer manufactures a returned defective product and we are unable to service it, we shall provide you with a product that has at least the same value from one of the successor series.

The specifications like weight, size and others should be seen as guide values. Due to ongoing technical improvements, which are done in the interest of the product, LRP does not take any responsibility for the accuracy of these specs.

With LRP 25-Years Warranty products, the warranty terms on the LRP 25-Years Warranty card do also apply. The legal warranty claims, which arose originally when the product was purchased, shall remain unaffected.

LRP-Distributor-Service:

- Package your product carefully and include sales receipt and detailed description of malfunction.
- Send parcel to your national LRP distributor.
- Distributor repairs or exchanges the product.
- Shipment back to you usually by COD (cash on delivery), but this is subject to your national LRP distributor's general policy.

! WARNHINWEISE

Kein Spielzeug. Nicht für Kinder unter 14 Jahren geeignet.
Bewahren Sie das Produkt außerhalb der Reichweite von kleinen Kindern auf.

Beachten Sie unbedingt die folgenden Hinweise, da diese Ihr Produkt zerstören können und die Gewährleistung ausschließen. Nichtbeachtung dieser Hinweise können zu Sach- und Personenschäden und schweren Verletzungen führen!

- Lassen Sie das Produkt niemals unbeaufsichtigt, solange es eingeschaltet, in Betrieb oder mit einer Stromquelle verbunden ist. Im Falle eines Defekts könnte dies Feuer am Produkt oder seiner Umgebung verursachen.
- Wickeln Sie Ihr Produkt niemals mit Plastikfolie, Metallfolie oder Ähnlichem ein, sondern sorgen Sie im Gegenteil für Frischluft.
- Vermeiden Sie falschen Anschluss oder Verpolung des Produkts.
- Alle Kabel und Verbindungen müssen gut isoliert sein. Kurzschlüsse können unter Umständen das Produkt zerstören.
- Dieses Produkt oder andere elektronische Komponenten dürfen niemals mit Wasser, Öl, Treibstoffen oder anderen elektrisch leitenden Flüssigkeiten in Berührung kommen, da diese Mineralien enthalten können, die elektronische Schaltkreise korrodieren lassen. Bei Kontakt mit diesen Stoffen müssen Sie sofort den Betrieb einstellen und das Produkt sorgfältig trocknen.
- Die Originalstecker und Originalkabel dürfen niemals verändert oder abgeschnitten werden.
- Öffnen Sie niemals das Produkt und löten Sie keinesfalls auf der Platine oder anderen Komponenten
- Benutzen Sie Ihr Produkt nicht mit geöffnetem, beschädigtem oder fehlendem Gehäuse oder in Schrumf-schlauch. Dies mindert den Störschutz, kann Kurzschlüsse verursachen und das Produkt beschädigen.
- Entnehmen Sie immer den Akku aus Ihrem Produkt bzw. trennen Sie das Produkt von der Stromquelle, wenn das Produkt nicht verwendet wird.
- Bei einem Schaden darf das Produkt bis zur vollständigen Reparatur nicht mehr verwendet werden.
- Verbrauchte Batterien nicht in den Hausmüll geben, sondern nur bei den bestehenden Sammelstellen oder einem Sondermüllplatz abgeben.
- Laden Sie den Akku immer außerhalb des Produktes auf, für den Sie den Akku benutzen möchten. Sollte der Akku einen Defekt haben, kann dies zu einer Beschädigung des Produkts führen.
- Vermeiden Sie Kurzschluss, Überladung und Verpolung des Akkus oder einzelner Zellen. Dies kann zu Brandentwicklung oder Explosion führen.
- Laden Sie den Akku nur unter Aufsicht.
- Während der Ladung muss sich der Akku auf einer nicht brennbaren, hitzebeständigen Unterlage befinden. Desweiteren dürfen sich keine brennbaren oder leicht entzündlichen Gegenstände in der Nähe des Akkus befinden.
- Ladevorgang nur in trockenen Räumen durchführen.
- Nicht aufladbare Batterien dürfen nicht geladen werden.
- Achten Sie beim Laden von LiPo Akkus darauf, dass sich der Lader im LiPo Lademodus befindet.
- Das Produkt darf nur in gut belüfteten Räumen verwendet werden.
- Führen Sie keine Manipulationen an den Netzkabeln durch.
- Lassen Sie Ihren Lader niemals am Netz angeschlossen wenn Sie es nicht in Betrieb haben.
- Blockieren Sie niemals den Lüfter oder die Kühlschlitze des Produkts. Sorgen Sie für gute Luftzirkulation um das Produkt.
- Ladehinweise und empfohlene Ladeströme des Akkuherstellers und Selektierers unbedingt beachten und nicht überschreiten.
- Benutzen Sie kein Netzteil mit mehr als 15V Ausgangsspannung.
- Neugeräte können bedingt durch aushärtende Materialien in den ersten Stunden eine leichte Geruchsentwicklung haben.
- Bei zu starker Erwärmung einzelner Zellen im Akkupack den Ladevorgang sofort unterbrechen.
- Laden Sie mit diesem Gerät nur schnellladefähige NiMH, NiCd oder LiPo Akkus. Andere Akkuarten können mit diesem Gerät nicht geladen werden.

Der Hersteller kann nicht für Schäden verantwortlich gemacht werden, die infolge von Nichtbeachtung der Sicherheitshinweise und Warnungen verursacht werden.



Das Symbol einer durchgestrichenen Abfalltonne auf Rädern bedeutet, dass das Produkt in der Europäischen Union einer getrennten Müllsammlung zugeführt werden muss. Diese Produkte dürfen nicht über den unsortierten Hausmüll entsorgt werden.

ALLGEMEINE GEWÄHRLEISTUNGS- UND REPARATURBESTIMMUNGEN

Produkte der LRP electronic GmbH (nachfolgend „LRP“ genannt) werden nach strengsten Qualitätskriterien gefertigt. Wir gewähren die gesetzliche Gewährleistung auf Produktions- und Materialfehler, die zum Zeitpunkt der Auslieferung des Produkts vorhanden waren. Für gebrauchstypische Verschleißerscheinungen wird nicht gehaftet. Diese Gewährleistung gilt nicht für Mängel, die auf eine unsachgemäße Benutzung, mangelnde Wartung, Fremdeingriff oder mechanische Beschädigung zurückzuführen sind.

„Dies liegt unter Anderem vor bei:

- Eingangs- und/oder Ausgangsstecker abgeschnitten bzw. verändert
- Mechanische Beschädigung des Gehäuses, Bauteile oder Platine
- Feuchtigkeit/Wasser im Gerät
- Auf der Platine gelötet
- Demontage des Ladegeräts seitens des Kunden
- Jegliche Modifikation am Ladegerät seitens des Kunden
- Übertemperaturdefekte aufgrund geblocktem Lüfter oder geblockter Kühlschlitze
- Verpolung am DC Ausgang

Bevor Sie dieses Produkt zur Reparatur einsenden, prüfen Sie bitte zunächst alle anderen Komponenten in Ihrem Modell und schauen Sie ggf. in der Fehlerfibel des Produktes (sofern vorhanden) nach, um andere Störquellen und Bedienfehler auszuschließen. Sollte das Produkt bei der Überprüfung durch unsere Serviceabteilung keine Fehlfunktion aufweisen, müssen wir Ihnen hierfür die angefallenen Bearbeitungskosten laut Preisliste berechnen.

Mit der Einsendung des Produktes muss der Kunde mitteilen, ob das Produkt in jedem Fall repariert werden soll. Sollte kein Gewährleistungs- oder Garantieanspruch bestehen, erfolgt die Produktüberprüfung und ggf. Reparatur in jedem Falle kostenpflichtig gemäß unserer Preisliste. Ein Gewährleistungs- oder Garantieanspruch kann nur anerkannt werden, sofern eine Kopie des Kaufbelegs beigelegt ist. Auf Ihre ausdrückliche Anforderung erstellen wir einen kostenpflichtigen Kostenvoranschlag. Wenn Sie nach Zusendung des Kostenvoranschlags den Auftrag zur Reparatur erteilen, entfallen die Kostenvoranschlagskosten. An unseren Kostenvoranschlag sind wir zwei Wochen ab Ausstellungsdatum gebunden. Für eine schnelle Abwicklung Ihres Servicefalls legen Sie bitte eine ausführliche Fehlerbeschreibung und ihre Adressdaten der Einsendung bei.

Falls ein zurückgesandtes, defektes Produkt von LRP nicht mehr produziert wird, und wir dieses nicht reparieren können, so erhalten Sie statt dessen ein mindestens gleichwertiges Produkt aus einer der Nachfolgeserien.

Die von LRP angegebenen Werte über Gewicht, Größe oder Sonstiges sind als Richtwert zu verstehen. LRP übernimmt keine formelle Verpflichtung für derartige spezifische Angaben, da sich durch technische Veränderungen, die im Interesse des Produkts vorgenommen werden, andere Werte ergeben können.

Bei LRP 25 Jahre Garantie Produkten gelten zusätzlich die Garantiebestimmungen auf der LRP 25 Jahre Garantiekarte. Die ursprünglichen beim Kauf des Produktes entstehenden gesetzlichen Gewährleistungsansprüche gegenüber dem Verkäufer sowie zwingende gesetzliche Haftungsregelungen nach dem Produkthaftungsgesetz bleiben hiervon unberührt.

LRP-Werks-Service:

- Produkt mit Kaufbeleg und Fehlerbeschreibung bruch sicher verpacken.
- Einsenden an:
LRP electronic GmbH – Serviceabteilung
Wilhelm-Enssle-Str. 132-134, 73630 Remshalden, Deutschland
Technik + Service Hotline: D: 0900 577 4624 (0900 LRP GMBH) (0.49€/Minute aus dem dt. Festnetz. Mobilfunkpreise können abweichen)
A: 0900 270 313 (0.73€/Minute aus dem öst. Festnetz. Mobilfunkpreise können abweichen)
- eMail: service@lrp-electronic.de
- Web: www.LRP.cc
- LRP repariert das Produkt.
- Rücksendung an Sie per Nachnahme.