

# NEW SOFTWARE



## NEW LRP QUADRA COMPETITION V1 SOFTWARE v1.5

The LRP Quadra Competition Charger V1 is a well-known charger that often has proven its capability for many applications. With firmware v1.5, the LRP R&D team introduces many additional features which make the Quadra Competition V1 even better than before.

To adjust your battery's performance to your personal needs and individual racing conditions, LiPo battery cut-off voltage can now be customized. Moreover, both charge and discharge current can be changed while your battery is charging or discharging.

The balancer-failure detection has been enhanced for safer charging of the battery.

Additionally, the charger will now store your last selected profile and display both charging type and set battery voltage.

In short, with the new firmware v1.5 you will benefit from further increased safety, flexibility and usability of your Quadra Competition V1!



**Firmware:** v1.5

**Product:** Quadra Competition V1

**Description:** Charger software update with improved features

**Part No.:** 41420 / 41420US

### KEY IMPROVEMENTS

- ADJUSTABLE LIPO BATTERY CUT-OFF VOLTAGE
- REVISED BALANCER-FAILURE DETECTION
- EASY CURRENT CHANGE DURING CHARGE / DISCHARGE
- IMPROVED STORAGE OF PROFILES
- BATTERY TYPE SHOWN IN PROFILE NAME

## ADDITIONAL FEATURE EXPLANATION OF QUADRA COMPETITION V1 SOFTWARE v1.5

### 1. ADJUSTABLE LIPO BATTERY CUT-OFF VOLTAGE

The new v1.5 firmware of the Quadra Competition V1 allows you to fine-tune the cut-off voltage per cell (TVC - Terminal Voltage during Charge) in a range from 3.80V to 4.35V in steps of 0.01V - suitable for every condition and demand!

Changing the LiPo battery cut-off voltage from the standard 4.20V/cell has several advantages:

- Maximize your battery voltage according to the voltage allowed by Technical Inspection.
- Reduce the maximum punch and power by charging to a lower cut-off voltage than the standard 4.20V/cell.
- Increase the lifetime of your battery by charging to a cut-off voltage lower than 4.20V/cell when maximum performance is not vital, for example during practice.

### 2. REVISED BALANCER-FAILURE DETECTION

To increase the safety of our charger, the balancer-failure detection has been enhanced:

- Charging a LiPo/LiFe battery in NiMH/NiCd mode is not possible with the battery connected to the balancer input.
- Charging in LiPo/LiFe mode without the battery connected to the balancer input requires additional user confirmation.

### 3. EASY CURRENT CHANGE DURING CHARGE / DISCHARGE

Feel the need to increase or decrease the charge or discharge current during charging or discharging?

Just hit the INC+/DEC- buttons and keep pressing them to change the current quickly to your needs.

### 4. IMPROVED STORAGE OF PROFILES

Last selected profile will be stored and loaded again at next power-up.

### 5. BATTERY TYPE SHOWN IN PROFILE NAME

Charging type and set battery voltage are now displayed in the profile name.

This makes keeping track of your profiles for different battery types super easy.

No more wondering what the settings of a profile might be!

### HOW TO UPDATE YOUR CHARGER:

1. Connect your charger to a computer using a USB-cable (PC with Windows as operating system).
2. Power up your charger.
3. Wait for Windows to finish installing the needed drivers.
4. Disconnect your charger from power.
5. Press and hold 'Start' on your charger while powering it up again.
6. Start the firmware update program.
7. Follow the on-screen descriptions.
8. Update will be done and your charger will restart.
9. Disconnect the USB-cable and enjoy the new features of your charger!

### CAUTION:

Do not disconnect USB or input voltage from the charger when an update is in progress!

After updating your charger the profiles are set to their default settings. Please check the profiles and change them if needed.

Please see the updated flow-chart on the next page.

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