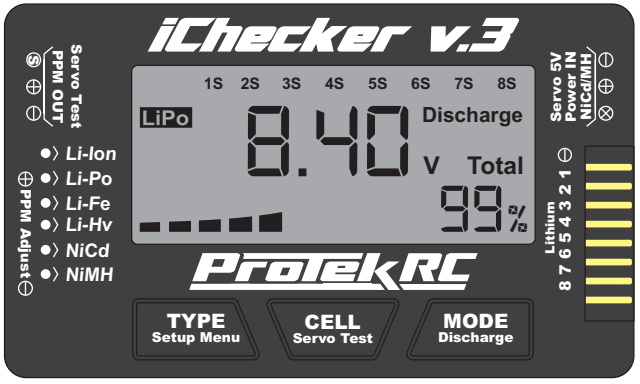
Warranty & Service

ProTek R/C guarantees this item to be free of defects in materials and workmanship for 90 days after the original purchase date. Warranty will not cover items that have been modified, disassembled, or otherwise misused according to the items's instructions. Proof of purchase is required to submit a warranty claim. ProTek R/C is not responsible for bodily injury and/or property damage that may occur from the use of, or caused by, this item.

iChecker v.3



Digital Battery Voltage Capacity Checker
Balance Discharger / Servo Tester

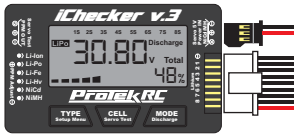
OPERATING INSTRUCTIONS

Thank you for purchasing the ProTek R/C "iChecker v.3" Digital Battery Capacity Checker. We are sure you will be pleased with its performance and features. In order to ensure that you obtain the maximum benefit from its operation, please read these instructions carefully.

PLEASE KEEP FOR FUTURE REFERENCE

PTK-211

Connecting Battery

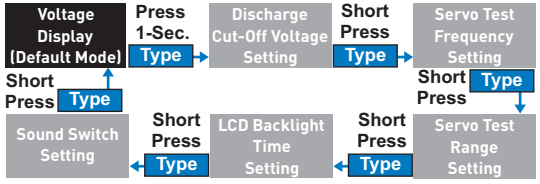


Connection port for 4s-8s NiCd and NiMH
1s (LiPo, Lilon, andLiFe)

Connection port for 2-8s (LiPo, Lilon, and LiFe)

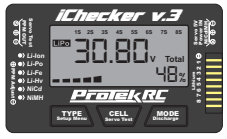
Parameter Settings

Connect battery to power up iChecker v.3

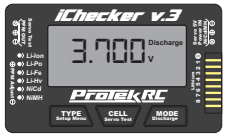


Cell Key
(Reduce Values)
Mode Key
(Increase Values)

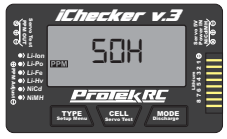
Voltage Display Mode



Discharge Cut-Off Settings

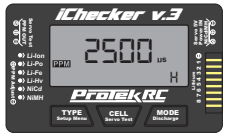


Servo Test Freq. Settings

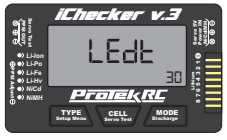


Discharge cut-off voltage range: 2.0-4.2v/cell
Servo test frequency setting: 50Hz, 60Hz, 100Hz, 200Hz, 300Hz

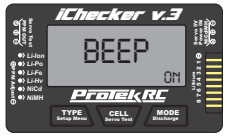
Servo Test Signal Range Setting



LCD Backlight Operating Time Setting



Sound Switch Setting



Balance Lithium Discharging

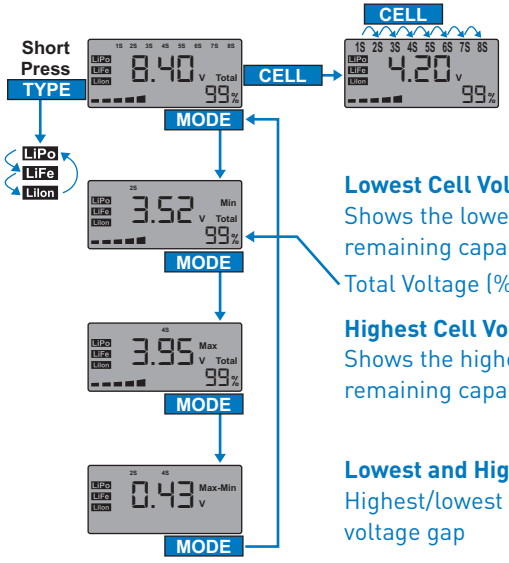
Connect battery to power up iChecker v.3
The default lithium cut-off voltage is 3.7v/cell. To adjust the discharge cut-off voltage refer to the parameter settings listed above. To change the values of the cut-off short press the Cell button to decrease the value, to increase the value short press the MODE button.

To start the discharge process press the MODE / DISCHARGE button for at least 1 second and "discharge" will flash on the screen once startup has begun. The iChecker v.3 will slowly toggle showing each individual cell's voltage or short press the CELL button to toggle through each cell's voltage individually. Once the battery is discharged the iChecker v.3 will sound a constant double beep sound.

WARNING:
Do not a leave Lithium battery connected to the iChecker v.3 after the battery has discharged. The iChecker will continue to use the battery's power to stay powered up using the batteries power, irregular balance and damage to the battery could happen. On startup if a single cells voltage is lower than the cut-off adjustment the iChecker will not go into discharge mode and will be indicated by double beep sound error.

Lithium Battery Testing

Connect battery to power up iChecker v.3
The iChecker v.3 has a built in smart detection to tell the difference between all lithium cell types. Depending on the battery's voltage the battery type could be incorrect, short press the TYPE button to toggle through the types. Choose the correct type to view the remaining capacity % correctly.



Short Press CELL
Button to show individual cell voltage and remaining capacity

Lowest Cell Voltage
Shows the lowest cell number, voltage and remaining capacity

Total Voltage (%)

Highest Cell Voltage
Shows the highest cell number, voltage and remaining capacity

Lowest and Highest Cell Difference
Highest/lowest cell voltage display showing voltage gap

Nickle Battery Testing

Connect battery to power up iChecker v.3
Upon start up the iChecker v.3 will display the battery total voltage, cell count and remaining capacity. Depending on the battery voltage the cell count could be less than what is displayed. Press the CELL button to choose the correct amount of cells the battery has, the remaining capacity % will be correctly displayed. The iChecker v.3 cannot display individual cell voltage for mulitple nickle cell batteries.

Servo Testing

Connect 5-6v battery to the power in port to power up iChecker v.3
Upon start up the iChecker v.3 will display the voltage of the battery to supply power to the servo. Plug servo into the servo test ppm out port located on the left side of the iChecker. To start servo testing hold the CELL (servo test) button for at least 1 second. Move the PPM dial located on the left side of the iChecker to manually operate the servo, short press the CELL button to center the servo. Press the MODE button to start auto servo movement, to adjust the servo speed move the PPM dial.

ESC Testing

Connect the esc signal line to the PPM port located on the left side of the iChecker. A power source is needed to power your esc. Plug the battery into the esc and the iChecker will power up. The function for the esc is the same as the servo testing. Please note that it is not recommended that a motor be connected to the esc for testing as it will cause your model's motor to run.