TABLE OF CONTENTS

Introduction	01
Special features	03
Warning and safety notes	05
Program flow chart	10
Lithium polymer balance charge program connection diagram	11
Initial parameter setup (users set up)	12
Charging of lithium battery	14
Balance charging of lithium battery	15
Fast charging of lithium battery	16
Storage control of lithium battery	16
Discharging of lithium battery	17
Charging of NiCd/NiMH battery	17
Discharge of NiCd/NiMH battery	18
Charge/discharge and discharge/charge cycle of NiCd/NiMH battery	18
Charging of the Pb battery	19
Discharging of the Pb battery	19
Storage data program	20
Load data program	20
Various information in the program	21
Warning and error message	22
Specification	23
The set contains	23
Recommended accessories	24
Conformity declaration	25
Warranty and service	25

Congratulations on your choice of the iMAX Quattro B6 digital intelligent charger from SKYRC Technology Co., Ltd. You are now the owner of a compact charger with battery management and integral balancer.

The unit is simple to use, but the operation of a sophisticated automatic charger such as the iMAX Quattro B6 does require some knowledge on the part of the user. These operating instructions are designed to ensure that you quickly become familiar with its functions.

It is therefore important that you read right through the Operating Instructions, Warning and Safety Notes before you attempt to use your new automatic charger for the first time. We hope you have many years of pleasure and success with your new battery charger.

iMAX Quattro B6 employs the circuit that features four totally independent but identical power outputs which are powered 50 watts each. Total powers are 200 watts. As a result, it can charge or discharge up to 4 x 15 cells of NiCd/NiMH or 4 x 6 series of Lithium batteries simultaneously. Quattro B6 has four individual cell voltage balancer at each outputs, so it does not required any balancer separately when charging Lithium batteries (LiPo/Lilon/LiFe) for voltage balancing.

The twin-fan cooling system is so smart and efficiently. The fan speed is controlled by internal temperature sensor.

Following instructions only apply to one of the four chargers, as all of them operate according to same principle.

Please BE SURE to read these instructions and Warning and Safety Notes before you use the chargerfor the first time.

It can be dangerous to mis-handle batteries and battery chargers, as there is always a risk of batteries catching fire and exploding.

Liability Exclusion

This charger is designed and approved exclusively for use with the types of battery stated in these Instruction Manual. SkyRC accepts no liablility of any kind if the charger is used for any purpose other than that stated.

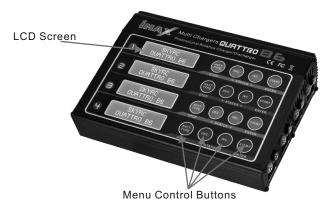
We are unable to ensure that you follow the instructions supplied with the charger, and we have no control over the methods you employ for using, operating and maintaining the device. For this reason we are obliged to deny all liability for loss, damage or costs which are incurred due to the incompetent or incorrectuse and operation of our products, or which are connected with such operation in any way.

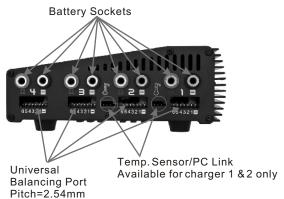
Unless otherwise prescribed by law, our obligation to pay compensation, regardless of the legal argument employed, is limited to the invoice value of those SkyRC products which were immediately and directly involved in the event in which the damage occurred.

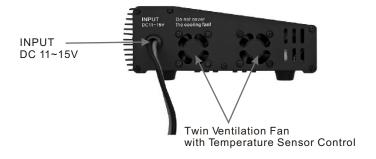


INTRODUCTION SPECIAL FEATURES

Please read this entire operating manual completely and attentively before using this product, as it covers a wide range of information on operating and safety. Or please douse this product in company with a specialist!







iMAX Quattro B6 allows you to plug 4 batteries into one charger simultaneously, and it will intelligently and automatically charge all 4 of themat once to their maximum capacity. To top of it, the batteries being charged do not even need to have the same configuration. You can connect different chemistry (Ni-MH/Ni-CD/LiPo/LiFe) batteries into any of the charging ports. No more staying uplate for charging batteries.



Optimized operating software

iMAX Quattro B6 features the so-called AUTO function that set the feeding current during the process of charging or discharging. Especially for Lithium batteries, it can prevent the overcharging which may lead to an explosion due to the user's fault. It can disconnect the circuit automatically and alarm once detecting any malfunction. All the programs of this product were controlled through two way linkage and communication, to achieve the maximum safety and minimize the trouble. All the settings can be configured by users!

Internal independent lithium battery balancer

iMAX Quattro B6 employs an individual-cell-voltage balancer. It isn't necessary to connect an external balancer for balance charging.

Balancing individual cells battery discharging

During the process of discharging, iMAX Quattro B6 can monitor and balance each cell of the battery individually. Error message will be indicated and the process will be ended automatically if the voltage of any single one cell is abnormal.

Adaptable to various type of lithium battery

IMAX Quattro B6 is adaptable to various types of Lithium batteries, such as Li-ion, LiPo and the new LiFe series of batteries.

WARNING AND SAFETY NOTES

Fast and storage mode of lithium battery

Purposes to charge Lithium battery varies, 'fast' charge reduce the duration of charging, whereas 'store' state can control the final voltage of your battery, so as to store for a long time and protect useful time of the battery.

Maximum safety

Delta-peak sensitivity: The automatic charge termination program based on the principle of the Delta-peak voltage detection. When the battery's voltage exceeds the threshold, the process will be terminated automatically.

Automatic charging currentlimit

You can set up the upper limit of the charging current when charging your NiCd or NiMH battery; it is useful for the NiMH battery of low impedance and capacity in the 'AUTO' charging mode.

Capacity limit

The charging capacity is always calculated as the charging current multiplied by time. If the charging capacity exceeds the limit, the process will be terminated automatically when you set the maximum value.

Temperature threshold*

The battery's internal chemical reaction will cause the temperature of the battery to rise. If the temperature limit is reached, the process will be terminated.

* This function is available by connecting optional temperature probe, which is not included in the package.

Processing time limit:

You can also limit the maximum process time to avoid any possible defect.

Data store/load

The maximum five batteries' data can be stored for users' convenience. You can keep the data pertaining to program setting of the battery of continuous charging or discharging. Users can call out these data at any time without any special program setting.

Cyclic charging/discharging

1 to 5 cyclic and continuous process of charge>discharge or discharge>charge is operable for battery refreshing and balancing to stimulate the battery's activity.

PC based analysis uing USB Communication

iMAX Quttro B6 offer PC based program can analysis the characteristic of the battery via USB port. It shows a graph of voltage, current, capacity curves. It also shows the individual voltage of each cell in the Lithium battery pack.

PC-LINK USB adaptor can be purchased separately

These warnings and safety notes are particularly important. Please follow the instructions for maximum safety; otherwise the charger and the battery can be damaged or at worst it can cause a fire.

Never leave the charger unattended when it is connected to its power supply. If any malfunction is found, TERMINATE THE PROCESS AT ONCE and refer to the operation manual.

Weep the chargerwell away fromdust, damp, rain, heat, direct sunshine and vibration. Never drop it.

● The allowable input voltage is 11~15V DC

This charger and the battery should be put on a heat-resistant, noninflammable and nonconductive surface. Never place them on a car seat, carpet or similar. Keep all theinflammable volatile materials away from operating area.

Make sure you know the specifications of the battery to be charged or discharged to ensure it meets the requirements of this charger. If the program is set up incorrectly, the battery and charger may be damaged. It can cause fire or explosion due to overcharging. This warranty is not valid for any damage or subsequent damage arising as a result of a misuse or failure to observe the procedures outlined in this manual.

NiCd/NiMH

Voltage level: 1.2V/cell

Allowable fast charge current: 1C-2C (depends on the

Performance of cell)

Discharge voltage cut off level: 0.85V/cell (NiCd),

1.0V/cell(NiMH)

Li-ion Voltage level: 3.6V/cell

Max. charge voltage: 4.1V/cell

Allowable fast charge current: 1C or less

Min. discharge voltage cut off level: 2.5V/cell or higher

LiPo Voltage level: 3.7V/cell

Max. charge voltage: 4.2V/cell

Allowable fast charge current: 1C or less

Discharge voltage cut off level: 3.0V/cell or higher

LiFe Voltagelevel: 3.3V/cell

Max. charge voltage: 3.6V/cell

Allowable fast charge current: 4C or less

Discharge voltage cut off level: 2.0V/cell or higher

Pb Voltage level: 2.0V/cell

(Lead-acid) Max. charge voltage: 2.46V/cell Allowable fast charge current: 0.4C or less

Discharge voltage cutoff level: 1.75V/cell or higher

- To avoid short circuit between the charge lead always connect the charge cable to the charger first, then connect the battery. Reverse the sequence when disconnecting.
- Never attempt to charge or discharge the following types of batteries.

A battery pack which consists of different types of cells (including different manufacturers)

A battery that is already fully charged or just slightly discharged. Non-rechargeable batteries (Explosion hazard).

Batteries that require a different charge technique from NiCd, NiMh, LiPo or Gel cell (Pb, Lead acid).

A faulty or damaged battery.

A battery fitted with an integral charge circuit or a protection circuit

Batteries installed in a device or which are electrically linked to other components.

Batteries that are not expressly stated by the manufacturer to be suitable for the currents the charger delivers during the charge process.

Please bear in mind the following points before commencing charging:

Did you select the appropriate program suitable for the type of battery you are charging?

Did you setup adequate current for charging or discharging?

Have you checked the battery voltage? Lithium battery packs can be wired in parallel and in series, i.e. a 2 cell pack can be 3.7V (in parallel) or 7.4V (in series).

Have you checked that all connections are firm and secure? Make sure there are no intermittent contacts at any point in the circuit.

Charging

During charge process, a specific quantity of electrical energy is fed into the battery. The charge quantity is calculated by multiplying charge current by charge time. The maximum permissible charge current varies depending on the battery type or its performance, and can be found in the information by the battery manufacturer. Only batteries that are expressly stated to be capable of quick-charge are allowed to be charged at rates higher than the standard charge current.

Connect the battery to the terminal of the charger: red is positive and black is negative. Due to the difference between resistance of cable and connector, the charger can not detect resistance of the battery pack, the essential requirement for the charger to work properly is that the charge lead should be of adequate conductor cross-section, and high quality connectors which are normally gold-plated should be fitted to both ends.

Always refer to the manual by the battery manufacturer pertaining to charging methods, recommended charging current and charging time. Especially, the Lithium battery should be charged according the charging instruction provided by the manufacturer strictly.

Attention should be paid to the connection of Lithium battery especially.

Do not attempt to disassemble the battery pack arbitrarily.

Please get highlighted that Lithium battery packs can be wired in parallel and in series. In the parallel connection, the battery's capacity is calculated by multiplying single battery's capacity by the number of cells with total voltage stay the same. The voltage's imbalance may cause fire or explosion .Lithium battery is recommended to charge in series.

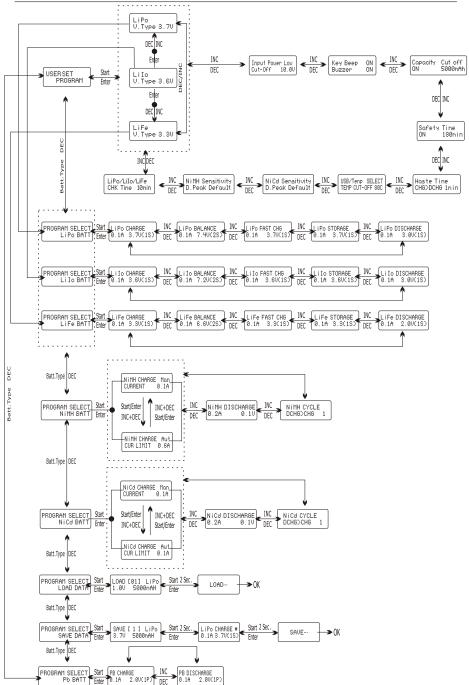
Discharging

The main purpose of discharging is to clean residual capacity of the battery, or to reduce the battery' voltage to a defined level. The same attention should be paid to the discharging process as charging. The final discharge voltage should be set up correctly to avoid deep-discharging. Lithium battery can not be discharged to lower than the minimum voltage, or it will cause a rapid loss of capacity or a total failure. Generally, Lithium battery doesn't need to be discharged. Please pay attention to the minimum voltage of Lithium battery to protect the battery.

Some rechargeable batteries have a memory effect. If they are partly used and recharged before the whole charge is accomplished, they remember this and will only use that part of their capacity next time. This is a 'memory effect' It is said that NiCd and NiMH batteries are suffering from memory effect. NiCd has more memory effect than NiMH.

Lithium batteries are recommended to be discharged partially rather than fully discharged. Frequent full discharging should be avoided if possible. Instead, charge the battery more often or use a battery of larger capacity. Full capacity cannot be reached until it has been subjected to 10 or more charge cycles. The cyclic process of charge and discharge will optimize the capacity of battery pack.

PROGRAM FLOW CHART



LITHIUM POLYMER BALANCE CHARGE PROGRAM CONNECTION DIAGRAM

CONNECTING THE CHARGER

iMAX Quattro B6 comes with male 4mm Bullet connectors attached to the power INPUT cables. These cables are appropriate for attaching directly to most high-quality AC-DC power supply units, such as eFUELmodel PSU30A (13.8V, 30A, 400W). Also included are large Terminal Clips with matching 4mm female bullet connectors, for attaching directly to 12V car batteries. It is critically important that you use either a fully charged 13.8 car battery or a high quality AC-DC power supply in the range of 12V to 15V DC output, with minimum current rating of 20A to insure reliable performance.



4mm Bullet Connectors plugging to eFUEL power supply directly



Using terminal clip attaching to car battery

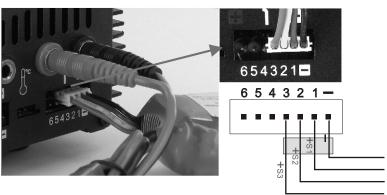
CONNECTING THE BATTERY

Important !!! Before connecting a battery it is absolutely essential to check one last time that you have set the parameters correctly. If the settings are incorrect, the battery may be damaged, and could even burst into flames or explode. To avoid short -circuits between the banana plugs, always connect the charge leads to the charger first, and only then to the battery. Reverse the sequence when disconnecting the pack.

Balance socket:

The balance wire attached to the battery must be connected to the charger with the black wire aligned with the negative marking. Take care to maintain correct polarity! (Wiring diagram: see below.)

This diagram shows the correct way to connect your battery to the iMAX Quattro B6 while charging in the balance charge program mode only.



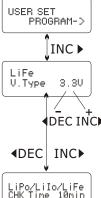
⚠ WARNING:

Failure to connect as shown in this diagram will damage this charger.

INITIAL PARAMETER SETUP (USERS SET UP)

By default this charger will be set to typical user settings when it is connected to DC 11~18V for the first time. The screen displays the following information in sequence and the user can change the parameter on each screen.

If you need to alter the parameter value in the program, press "Start/Enter" key to make it blink then change the value with "INC" or "DEC" key. The value will be stored by pressing "Start/Enter" key once.



User setup starting screen.

The screen displays the nominal voltage of Lithium battery. There are three kinds of Lithium battery: LiFe(3.3V), Lilo(3.6V) or LiPo(3.7V). This is very important so you have to check the battery carefully and set it up correctly. If it is different from correct value the battery may be exploded during charge process.

DEC INC iMAX Quattro B6 recognize the cell count of Lithium battery automatically at the beginning of charge or discharge process to avoid from erroneous setting by user. But deeply discharged battery can be perceived incorrectly. To prevent the error, you can set the time term to verify the cell count by the processor. Normally, 10 minutes are enough to perceive the cell count correctly. For the battery of larger capacity, you may extend the time term. But if you set the time term to long for the battery of smaller capacity, the charge or discharge process can be finished within the time term with the erroneous cell count. This may cause the fatal result. If the processor recognizes the cell count incorrectly at the beginning of charge or discharge process, you may extend the time. Otherwise, you had betteruse with the default value.

This shows the trigger voltage for automatic charge NIMH Sensitivity Default termination of NiMH and NiCd battery. The effective value ranges from 5 to 20mV percell. If the trigger voltage is set DÉC ÍNC ▶ higher, there is a danger of overcharging the battery; if it is set lower, there is a possibility of premature termination. Please NICD Sensitivity refer the technical specification of the battery. (NiCd default: Default 12mV. NiMH default: 7mV)

> An optional feature using temperature probe contacting the surface of battery, the temperature cut-off can be on or off. If it is on, set the maximum temperature at which the charger should allow battery to reach during charge. Once a battery reaches this temperature during charge, the process will be terminated to protect the battery.



◆DEC INC ◆DEC INC

DEC INC▶

◆DEC INC▶

◆DEC, INC▶

◆DEC INC▶

Temp. Cut-off

◆DÉC INC▶

80C

◆DEC INC

D.Peak

D.Peak

ÖN

◆DEC INC

The battery becomes warm after cycles of charge/discharge process. The program will insert a time delay after each charge/discharge process to allow the battery enough time to process. The valid value ranges from 0 to 60 minutes.

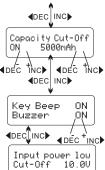
> When the charge process starts, the integrated safety timer starts to run simultaneously. If error detected or the termination circuit can not detect whether the battery is fully charged or not. this unit is programmed to prevent overcharging. Please refer to the below statement to calculate the timer you set.

Safe timer Calculation

When charging NiCd or NiMH batteries, divide the capacity by current, then divide the result by 11.9, set this number of minutes as the value for safety timer setting. If the charger stopped at this time threshold, about 140% of the capacity will have been fed into the battery.

For example:

Capacity	Current	Safety Time	
2000mAh	2.0A	(2000/2.0=1000)/11.9=84	minutes
3300mAh	3.0A	(3300/3.0=1100)/11.9=92	minutes
1000mAh	1.2A	(1000/1.2=833)/11.9=70	minutes



The program provides maximum capacity protection function. If the Delta-peak voltage can not be detected or the safety timer times out, the charge process will stop automatically, when the battery reaches the user-set maximum charge capacity,

The beep to confirm users' operation sounds every time a button is pressed. The beep or melody sounds at various times during operation to confirm different mode change. These functions can be switched on or off.

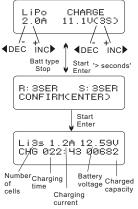
This function monitors the voltage of the input battery used to power this charger. If the voltage is lower than user-set value, the program will end forcibly to protect the input battery.

Lithium (LiPo/Lilo/LiFe) program

The program is only suitable for charging/discharging Lithium(LiPo/Lilo/LiFe) batteries with a nominal voltage of 3.3/3.6/3.7V/cell. Different batteries have different charge technique. There are two methods termed as constant voltage and constant current. The charge current varies according to battery capacity and specification. The final voltage is very important; it should precisely match the voltage of the battery: LiPo is 4.2V, Lilo is 4.1V and LiFe is 3.6V. The current and voltage of the battery should be correctly set.

When you want to change the values of parameters, please press START/ENTER key to make it blink and then use DEC or INC to change the value. Then press START/ENTER key again to store the value.

Charging of lithium battery



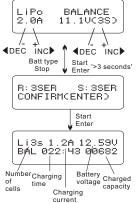
The left side of the first line shows the type of battery you choose. The value on the left of the second line of the charger is current user set, After setting the current and voltage, press START/ENTER key for more than 3 seconds to start the process.(charge current: 0.1-5.0A, voltage: 3.7-22.2V).

This displays the number of cells you set up and the processor detects. "R" shows the number of cells detected by the charger and "S" is the number of cells set by you at the previous screen. If both numbers are identical you can start charging by press START/ENTER button. If not, press BATT TYPE/STOP button to go back to previous screen to carefully check the number of cells of the battery pack before going ahead.

This screen shows the real-time status during charge process. Press BATT TYPE/STOP key once to stop the charge process.

Charging lithium battery in the charge mode

This charging mode is for charging Li-Po/Ion/Fe battery without balance lead.



The left side of the first line shows the type of battery you choose. The value on the left of the second line of the charger is current user set, After setting the current and voltage, press START/ENTER key for more than 3 seconds to start the process.(charge current: 0.1-5.0A, voltage: 3.7-22.2V).

This displays the number of cells you set up and the processor detects. 'R' shows the number of cells detected by the charger and 'S' is the number of cells set by you at the previous screen. If both numbers are identical you can start charging by press START/ENTER button. If not, press BATT TYPE/STOP button to go back to previous screen to carefully check the number of cells of the battery pack before going ahead.

This screen shows the real-time status during charge process. Press BATT TYPE/STOP key once to stop the charge process.

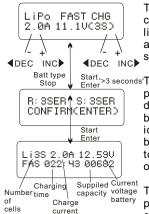
Charging lithium battery in the balance mode

This function is for balancing the voltage of Lithium-polymer battery cells while charging. In the balance mode, the battery needs to have a balance lead to connect to the individual balance port at the right side of the charger. And you need to connect the battery's power lead to the output of charger.

Charging in this mode is different from the normal modes, because the built-in processor monitors voltage of individual cell and control input current fed into each cell to equlized voltage of individual cell.

DISCHARGING OF LITHIUM BATTERY

Fast charging of lithium battery



The value on the left side of the second lines sets the charge current. The value on the right side of the second lines sets the battery pack's voltage. After setting current and voltage, press STAR/ENTER for more than 3 seconds to start the process.

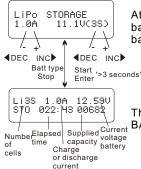
 $\frac{\text{Start.}}{\text{Enter}}$ >3 seconds This displays the number of cells you set up and the processor detects. 'R' shows the number of cells detected by the charger and 'S' is the number of cells set by you at the previous screen. If both numbers are identical you can start charging by press START/ENTER button. If not, press BATT TYPE/STOP button to go back to previous screen to carefully check the number of cells of the battery pack before going ahead.

capacity voltage This screen shows the real-time status during charge process. Press BATT TYPE/STOP key once to stop the charge process.

Charging lithium battery in the fast charge mode

Charging current will become lower when it progress to the end of charging. A specific CV process will be reduced to end the charging process earlier. In fact, the charging current will goes to 1/5 when the charging process comes to 1/10. Charging capacity will be little smaller than normal charging, but charging time will be shortened accordingly.

Storage control of lithium battery



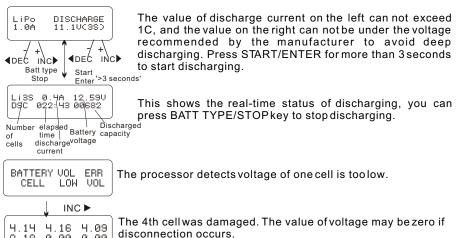
At this screen, you can set up the current and voltage of the battery pack. Charging and discharging will make the batteries come to the voltage level of 'storage' state.

This screen shows the real-time status charging. Press BATTTYPE/STOP key once to stop the charge process.

Charging lithium battery in the storage mode

This function is for charging/discharging batteries which are not used at once. This program is designed for charging or discharging of batteries of specific original state. They are classified by types: 3.75V Lilo, 3.85V LiPo and 3.3V LiFe. The program will begin to discharge if the original state of the battery exceeds the voltage level of storage.

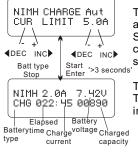
Discharging of lithium battery



Voltage balancing and monitoring in the discharge process

The processor monitors voltage of each cell when the battery packs are during its 'storage' and 'discharging' process. If voltage of any cell is abnormal, iMAX Quattro B6 will show error message and terminate the program forcibly. So if there is battery damage or disconnection, you can see the error message and press INC to know which cell is damaged.

Charging of NiCd/NiMH battery



2.18 0.00 0.00

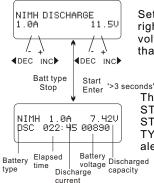
This program is for charging of NiCd/NiMH batteries associated with R/C models applications. You can press START/ENTER key to make it blink and then INC or DEC to change the parameter value. Press START/ENTER key to store the value.

The screen shows the real-time status. Press BATT TYPE/STOP key to end the program. The sound will emitted to indicates the end of program.

Charging NiCd/NiMH battery in the charge mode

This program charge the battery using the current you set up. In the 'auto' state, you should set up the upper limit of the charge current to avoid damage by excessive feeding current. Some batteries of low resistance and capacity can lead to higher current in the 'auto' charging mode. But in the manual mode, it will charge with the current you set. You can make it blink in the current field and press INC and DEC simultaneously to swap between Auto and Manual Mode. NOTE: Allowable fast charge current: 1C-2C

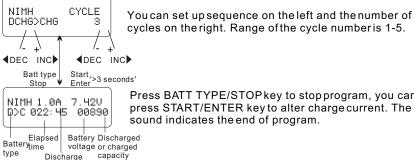
Discharge of NiCd/NiMH battery



Set charge current on the left and the final voltage on the right. Range of the charge current is 0.1-1.0A; range of final voltage is 0.1-25.0V. Press START/ENTER key for more than 3 seconds to start the program.

The screen indicates the discharging state. You can press START/ENTER key to alter discharge current. Press START/ENTER again to store the value. Press BATT TYPE/STOP key to stop discharging. The emitted sound alerts the end of discharging.

Charge/discharge and discharge/charge cycle of NiCd/NiMH battery



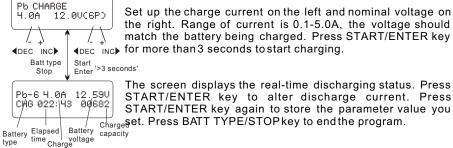
Press BATT TYPE/STOPkey to stop program, you can press START/ENTER key to alter charge current. The sound indicates the end of program.

current DCHG 1 1314mAh CHG 1 1430mAh

or charge

When it approaches to the end, you can see the capacity of the battery being charged or discharged. You can press INC or DECkey to display result of each cycle.

Charging of the Pb battery



current

The screen displays the real-time discharging status. Press START/ENTER key to alter discharge current. Press START/ENTER key again to store the parameter value you

Charges et. Press BATT TYPE/STOPkey to end the program.

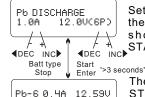
Charging Pb (lead-acid) battery in the charge mode

This program is only suitable for charging Pb (lead-acid) battery with nominal voltage from 2 to 20V. Pb (lead-acid) battery is completely different from NiCd/NiMH battery. These batteries can only deliver current lower in comparison to their capacity. The same restriction applies to the charging process. Consequently, the optimum charge current can only be 1/10 of the capacity. Pb battery can not be used for fast-charging, please follow the instructions provided by the battery

Due to the chemistry characteristic of Pb battery, the cut off point may be difficult to dete ct sometimes. We recommend user to use CAPACITY CUT OFF feature to protect the battery.

You can press START/ENTER key to make it blink and alter the value of parameters using INC or DEC key, press START/ENTER key to store the value.

Discharging of the Pb battery



D\$C 022\43 00682

Set up the charge current on the left and nominal voltage on the right. Range of discharge current is 0.1-1.0A, the voltage should match the battery being charged. Press ↑ ★ START/ENTER key for more than 3 seconds to start charging.

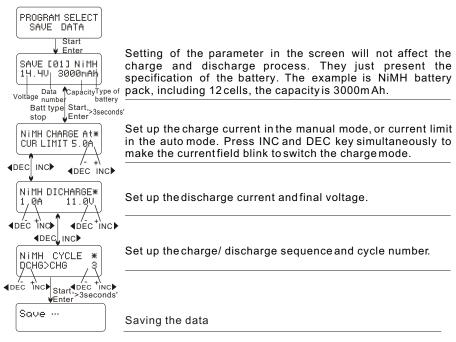
> The screen displays the real-time discharging status. Press START/ENTER key to alter discharge current. Press START/ENTER key again to store the parameter value you set. Press BATT TYPE/STOP key to end the program.

Battery Elapsed Battery voltage Discharged time Discharge capacity current

VARIOUS INFORMATION IN THE PROGRAM

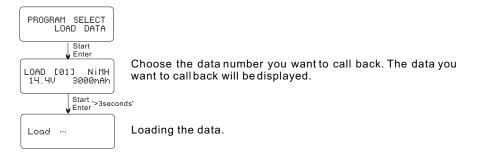
Storage data program

For your convenience, iMAX Quattro B6 has a data storage and load program. It can store five battery data representing the respective specifications of batteries. You can call back the data when charging or discharging without setting up the program again. Press START/ENTER key to make it blink, and use INC or DEC to set up the parameter.



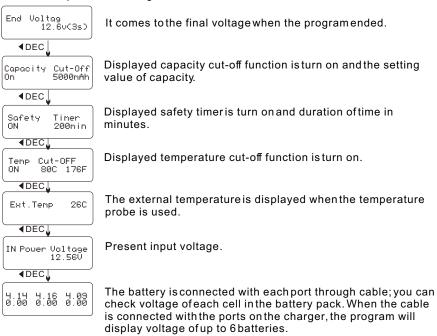
Load data program

This program is to load the data stored at the 'save data' program. Press START/ENTER key to make the data field blink and press INC or DEC for more than 3 seconds to load the data.



Various information in the program

You can inquire various information on the LCD screen during the charging and discharging process. Press DEC key, the charger will display users's etting. You can press INC key to monitor voltage of each cell while the battery is connected With each port of the charger.



WARNING AND ERROR MESSAGE

Warning and error message

iMAX Quattro B6 incorporates a variety of functions for the systems to verify processes and the state of the electronics. In case of an error the screen will display the cause of error and emit an audible sound.

REVERSE POLARITY

Incorrect polarity connected.

CONNECTION BREAK

Battery connection is interrupted.

SHORT ERR

Short-circuit of the output termination.

INPUT VOL ERR

Input voltage wrong.

VOL SELECT ERR

The voltage of the battery pack has been selected incorrectly!

BREAK DOWN

The charger has malfunctioned for some reason. Seek professional advice.

BATTERY CHECK LOW VOLTAGE The voltage is lower than which is set. Please check the number of cells in the battery pack.

BATTERY CHECK HIGH VOLTAGE The voltage is higher than which is set. Please check the number of cells in the battery pack.

BATTERY VOLTAGE CELL LOW VOL Voltage of one cell in the battery pack is too low, please check the voltage of each cell.

BATTERY VOLTAGE CELL HIGH VOL Voltage of one cell in the battery pack is too high; please check the voltage of each cell.

BATTERY VOL ERR CELL CONNECT Wrong connection of the connector detected; please check the connector and cable.

CONTROL FAILURE

The processor cannot control the feeding current, please repair it.

SPECIFICATION

(stated values refer to one charger except dimension & weight)

DO 44 4534 H
DC 11 - 15 Volt
12 V DC (car battery) / AC mains PSU (>200Watts)
(recommend PSU eFUELPSU-30A)
50 Watts, current is regulated accordingly
e.g. 11.1V battery, charge current approx. 4.5 A
e.g. 22.2 V battery, charge current approx. 2.2 A
5 Watts, current is regulated accordingly
1-15 NiCd/NiMH cells
1-6 LiPo/Lilon/LiFe cells
1-10 Lead-Acid cells (2V - 20V)
300mA
Automatic, negative Delta Peak method
Automatic, voltage-dependent, CC-CV process
225.4x158.6x62.4mm
1.09Kg.

The set contains:

- 1. iMAX Quattro B6
- 2. Plu-in battery clamps
- 3. TP/FP Adaptor
- 4. XH Adaptor

- 5. Crocodile clip charging cable
- 6. Tamiya charging cable
- 7. Futaba RX charging cable
- 8.JST/BEC charging cable
- 9. 18AWG wire charging cable



RECOMMENDED ACCESSORIES



30A DC Power Supply



Software Kit



Temperature Sensor Cable



EH Adaptor



XH Adaptor



HP/PQ Adaptor



TP/FP Adaptor



Dean charging cable



Tamiya charging cable



TRAXXAS charging cable



Glow charging cable



Bullet charging cable



EC3 charging cable



Crocodile clip charging cable



Futaba RX charging cable

CONFORMITY DECLARATION

IMAX Quattro B6 satisfy all relevant and mandatory EC directives and FCC Part 15 Subpart B: 2008.

For EC directives:

The product has been tested to meet the following technical standards:

Test Standards	Title	Result
EN 55014 1:2006	Electromagnetic compatibility-Requirements for household	
EN 55014-1:2006	appliances, electric tools and	Conform
	Similar apparatus - Part 1: Emission	
ENEE044 0:4007: A4:2004	Electromagnetic compatibility-Requirements for household	Conform
EN55014-2:1997+A1:2001	appliances, electric tools and	
	Similar apparatus - Part 2: Immunity-Product family standard	
	Electromagnetic compatibility (EMC) Part 6-1:Generic	
EN61000-6-1(2007)	standards - Immunity for residential, commercial and	Conform
	light-industrial environments	
EN61000-6-3(2007)	Electromagnetic compatibility (EMC) Part 6-3: Generic	
21401000-0-3(2001)	standards-Emission standard for residential,commercial and	Conform
	light-industrial environments.	

X

This symbol means that you must dispose of electrical from the General household waste when it reaches the end of its useful life.

Take your charger to your local waste collection point or recycling centre.

This applies to all countries of the European Union, and to other European countries with a separate waste collection system.

Warranty and service

We guarantee this product to be free of manufacturing and assembly defects for a period of one year from the time of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase. During that period, we will repair or replace free of service charge for products deemed defective due to those causes.

You will be required to produce proof of purchase (invoice or receipt). This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification or as a result of failure to observe the procedures outlined in this manual.