

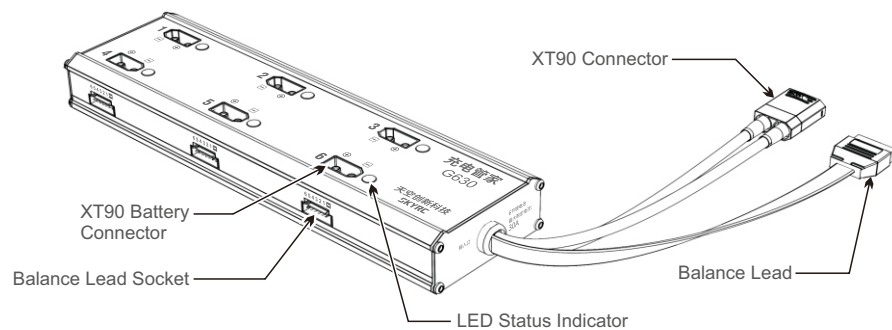
Instruction Manual V1.0

Charging Hub G630

SK-600124

Introduction

Charging hub G630 embeds an automatic charging management system. It only can work with SkyRC PC1080. One SkyRC PC1080 can work with 2 G630, each of which can be connected to 6 packs of LiPo/LiHV batteries i.e. One SkyRC PC1080 can charge 12 packs of LiPo/LiHV batteries in sequence automatically. According to their voltage, the highest one will be charged first, 6 LEDs indicate the status of each battery respectively.



Note: To use G630, please make sure the firmware of SkyRC PC1080 is V1.05 or above.

Optional Parts

AS150
(Female case w/ male terminals)



SK-600119-03

AS150
(Male case w/ female terminals)



SK-600119-04

AS150
(Male case w/ female terminal) +
XT150 Male connector



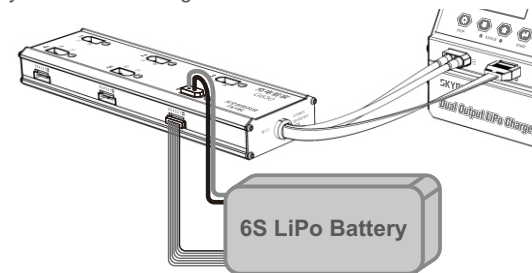
SK-600119-05

Operation Procedures

1. Power on: Connect PC1080 to AC source, switch on, the charger will 'beep' once while the fan turns to self-check. Screen displays as below.

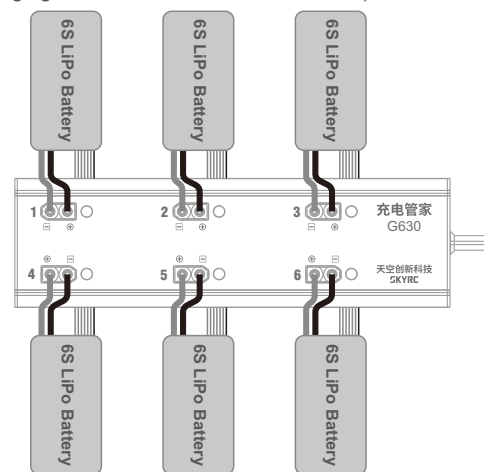
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LiPo FAST CHARGE
20.0A SLAVE
```

2. Connect G630 to SkyRC PC1080 charger.



3. Connect batteries to G630. (as illustrated below)

(Note: only 6S LiPo/LiHV battery is supported. Both balance lead and main lead must be connected. Never mix charging LiPo/LiHV batteries in one G630)



4. Operate the charger:

One G630 can connect up to 6 batteries and only 1 piece can be charged at a time. The first connected battery will be charged first, while the rest will be charged according to their voltage, the highest one will be charged first.

```
LiPo FAST CHARGE
20.0A SLAVE
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Press key to enter G630 interface.

```
Connect G630
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Press key to start.

```
G630 In Use
20.0A 15%
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During charging, current and capacity percentage will be displayed.

5. Charging finishes.

The correspondent LED of the fully charged battery will turn solid green, buzzer will beep 5 times.

LED Indicator Explanation

LED Indicator	Explanation
All LEDs flash orange once in sequence	When first battery is connected
Correspondent LED flashes green	Charging in process
Correspondent LED turns solid green	Charging finishes
Correspondent LED turns solid yellow	Standby
Flash red	Battery balance lead is not connected to G630
Solid red, buzzer beeps 10 times	1.Connection abnormal between battery and G630 2.Connection abnormal between charger and G630

Specifications

- Battery Type: 6s LiPo
- Paired Charger: SkyRC PC1080 (firmware V1.05 or above)
- Maximum Current: 30A
- Size: 263x79x32mm
- Battery Pack Count: 6 packs
- Weight: 531g

Warning and Safety Notes

These warning 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.
- ❗ Keep the charger well away from dust, damp, rain, heat, direct sunshine and vibration. Never drop it.
- ❗ The allowable AC input voltage for charger is 100-240V AC.
- ❗ This charger and the battery should be put on a heat-resistant, non-flammable and non-conductive surface. Never place them on a car seat, carpet or similar. Keep all the inflammable 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.
- ❗ **Never attempt to charge or storage charge 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.
 - 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.
 - Battery 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?
- Did you set up adequate current for charging?
- 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 battery manufacturer about 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 capacity by the number of cells with total voltage stay the same. The voltages imbalance may cause fire or explosion. Lithium battery is recommended to charge in series.

This device can be used by people aged from 14 years old and above, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.

Liability Exclusion

This charger is designed and approved exclusively for use with the types of battery stated in this instruction manual. SkyRC accepts no liability 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 incorrect use 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.

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.

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.

Note:

- 1.This warranty service is valid in China only.
- 2.If you need warranty service overseas, please contact your dealer in the first instance, who is responsible for processing guarantee claims overseas. Due to high shipping cost, complicated custom clearance procedures to send back to China. Please understand SkyRC cannot provide warranty service to overseas end user directly.
- 3.If you have any questions which are not mentioned in the manual, please feel free to send email to info@skyrccn.