

HISKY®

Quadcopter RF MODULE



Instruction Manual



HISKY®

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Foreword

Dear Customers:

Thanks for purchasing a HISKY radio control aircraft product. In order to quickly and safely master the operation of the FF120, please read the manual carefully and then keep it in a safe place for future consultation and reference.

Important Statement

1. Important statement

FF120 is a high risk hobby, whose flight should be kept far away from other people. Mis-assembled or broken main frame, defective electronic equipment, and/or problematic radio system will lead to unforeseen accidents such as bodily injury or property damage. The pilot **MUST** pay attention to the flight safety and **UNDERSTAND** his responsibility for accidents caused by his carelessness.

A. Far away from obstacles and people

An FF120 in flight has risk of uncertain flight speed and direction which is potentially dangerous. When flying, please keep your FF120 far away from people, high buildings, high-tension lines, etc., and avoid operating in rain, storms, thunder and lightning.

B. Keep away from humidity

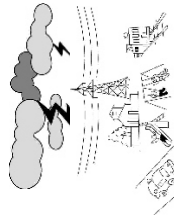
FF120 should be kept away from humidity and vapor because its complex, and precise electronic components and mechanical parts may be damaged.

C. Proper operation and maintenance.

Please use HISKY original spare parts to upgrade, modify or maintain your FF120 in order to ensure its safety. Please operate your FF120 within the range or functions permitted. It is forbidden to use it outside of the safety laws or regulations.

D. Avoid flying alone

At the beginning of learning about radio-controlled flight there are some difficulties to overcome. Please avoid flying alone. Invite experienced pilots to guide you (two of the most effective methods to practice are via a PC flight simulator and/or under the supervision of a skilled pilot).



E. Safe operation

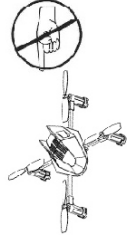
Please fly your FF120 according to your physical status and flight skills. Fatigue, listlessness and mis-operation will increase the possibilities or accidental hazard.

F. Away from highly spinning parts

Please keep pilot, people and object away from the spinning blades of high main rotor and tail rotor.

G. Protect from heat

An Quadcopter FF120 is made from metal, fiber, plastic and electronic components, etc. Please keep away from heat and sunshine in order to avoid distortion, even damage, caused by high temperatures.

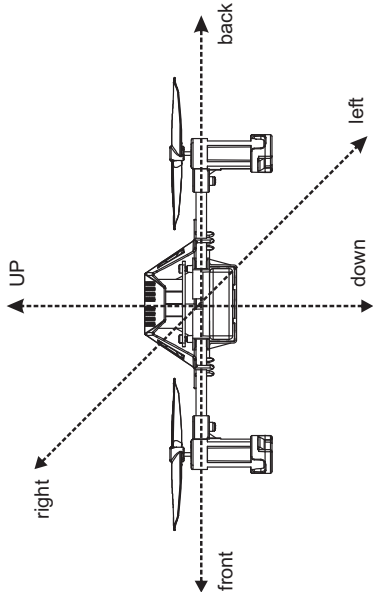


2. Attention before flight

- Ensure the battery packs of both transmitter and receiver and fully charged (saturated).
- Ensure both the throttle stick and the throttle trim of your transmitter stay at the lowest positions before operation.
- Please strictly obey the order of turn on and turn off before operation. When starting your flight, please turn on your transmitter first, and connect the power cable of your FF120 last. When finishing your flight, please disconnect the power cable of your FF120 first and turn off your transmitter last.
- An upset in the order of connection may cause your FF120 to loose control. Please cultivate a correct habit of turn on and turn off.

1. Definition of FF120 Orientation

We define the orientation fo FF120 in order not to cause confusion in the following descriptions. That is to say, the tail boom of FF120 is facing the pilot (tail in), and its head facing forward(front of pilot). The left hand of pilot is the left side of FF120, the right hand of pilot is the right side of FF120. Its head is to the front and its tail boom is to the back. The direction in which main body of FF120 is facing up, and its skids are facing down.



2. Standard equipment



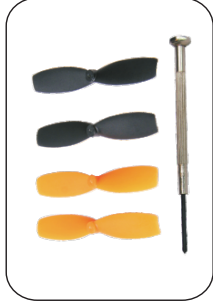
Quadcopter FF120



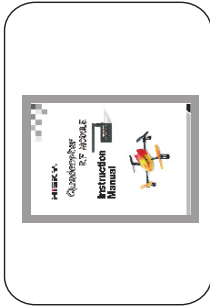
RF MODULE HT8



Li-polymer battery pack



Main rotor blades.
cross screwdriver



Manual

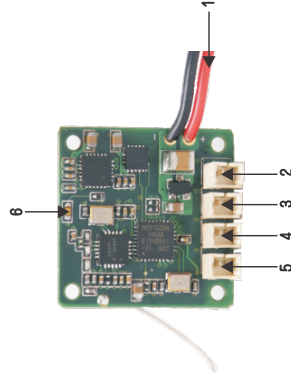


XC-IS2 Charger

3. Setup of the Receiver

3.1 Receiver features

- It adopts 2.4G spread spectrum technology.
- Integrated design of 3-Axis gyro and 3- Axis accelerator



3.2 Function of receiver

S/N	Name of short	Full name	Function
1	Power wire	Connect to the lipo battery	charge
2	Right front motor	Connect to the right front motor wire	The bind plug face towards right
3	Right back motor	Connect to the right back motor wire	The bind plug face towards right
4	Left back motor	Connect to the left back motor wire	The bind plug face towards right
5	Left front motor	Connect to the left front motor wire	The bind plug face towards right
6	Signal indicator light	Show the bind status(green)	binding

Note:

Green light: When in the code paring status, the receiver indicator will flash green.;After code paring successfully the green light turns solid; If the green light turns off means failure bind or has not receive the signal.

4. RF MODULE INSTRUCTION

1. RF MODULE CHART



2. Parameters

Sealed battery Specification: 3.7V Li-Po battery 120mAh
 Operating voltage: 5 ~ 12V.DC
 Operating Current: ≤ 100 mA
 Operating frequency: 2402 MHz ~ 2480 MHz
 Number of frequency channels: 1

3. Charging operation:

First put the Internal power supply switch to OFF position, no LED lights on RF Module bright this time, then connect RF Module to a computer (or the other power supplier equipment) using USB wire, this time, Signal indicator light starts to flash and Mode indicator light shows charging status: red means charging,turning to green means charging is over.

4. Normal use operation:

- 1.Supplying power of radio itself (eg: JR / Futaba) the HT-8 internal power supply switch to OFF state, Properly connected HT-8's signal cables and power cables (JR signal cable connecting the remote control DSC interface, and power cable to connect to DC charging port) (Futaba's connection is a combination of signal cable and power cable to connect simulator interface)
- 2.If no power from radio, switch the HT-8 internal power supply to on state. properly connected HT-8 and remote control of the DSC interface.
- 3.Under normal circumstances the HT-8 light is green, when red check the signal cable if is normal, as well as check the remote control to set the modulation mode to PPM format. Set the types of remote control through switch the button of HT-8, the status indicator (Model), Futaba (green) JR (ed) WAKERA (no light).

Notice:

- 1.There is one 3.7 V Li-po Battery sealed in the RF Module. If the radio controller you use can supply the power to the RF-Module, please turn off the sealed battery to off status.
2. Please pay attention to the battery power when you use sealed battery of RF Module, if the green light is flashing, please stop to play and charge the battery.

5.Advice parameters to RF Module

1. Advice parameters to RF Module with JR radio controller

Fist, set JR radio controller to Plane Mode, then adjust the radio controller to PPM transmit format.

[REV SW]

THR

ALL

ELE

RUD

GER

[TRVL ADJ]

THRO

AILR

ELEV

RUDD

GEAR

L 100%

L 100%

D 100%

L 120%

L 100%

R 100%

R 100%

U 100%

R 120%

- 100%