

iF8 FPV REMOTE CONTROLLER

USER MANUAL



Introduction

Thank you for purchasing our iFlight iF8 radio control. This versatile transmitter can be used by beginners or professionals. In order to ensure the correct and safe use of our product, please read this manual carefully before use. The information in this manual is subject to change without notice.

-Team iFlight



Safety notice

Many RC models are equipped with powerful motors or sharp propellers. When using or maintaining your models, proceed with caution. When performing assembly or maintenance, make sure to disconnect the power to the model and remove the propellers.

Do not operate the iF8 transmitter under the following conditions:

- In severe weather such as rain, hail, snow, storms or highly electromagnetic environments.
- In any situation where visibility is limited.
- In areas where people, property, high-voltage power lines, public roads, vehicles or animals may be present.
- If you feel tired or unwell or under the influence of drugs or alcohol.
- If the remote control or model seems to be damaged or not working properly.
- In areas with high 2.4GHz interference or where 2.4GHz signal is prohibited.
- When the battery voltage is too low.
- In areas where local regulations prohibit the use of aviation models.

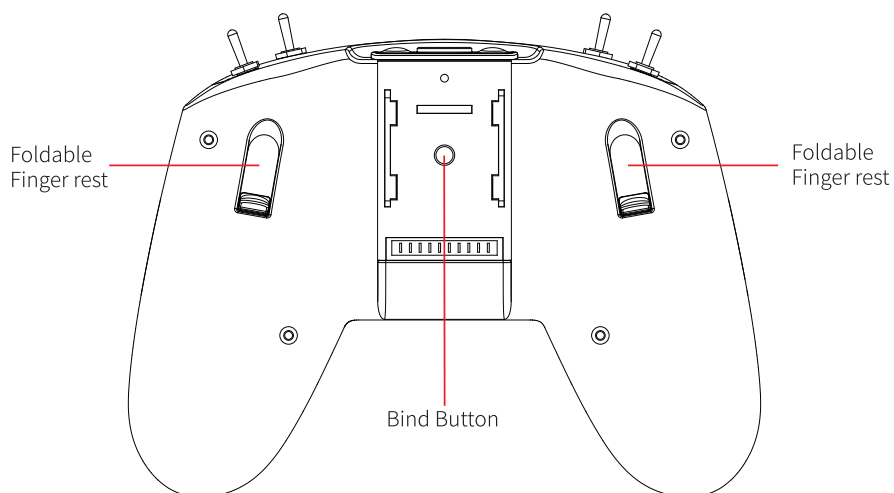
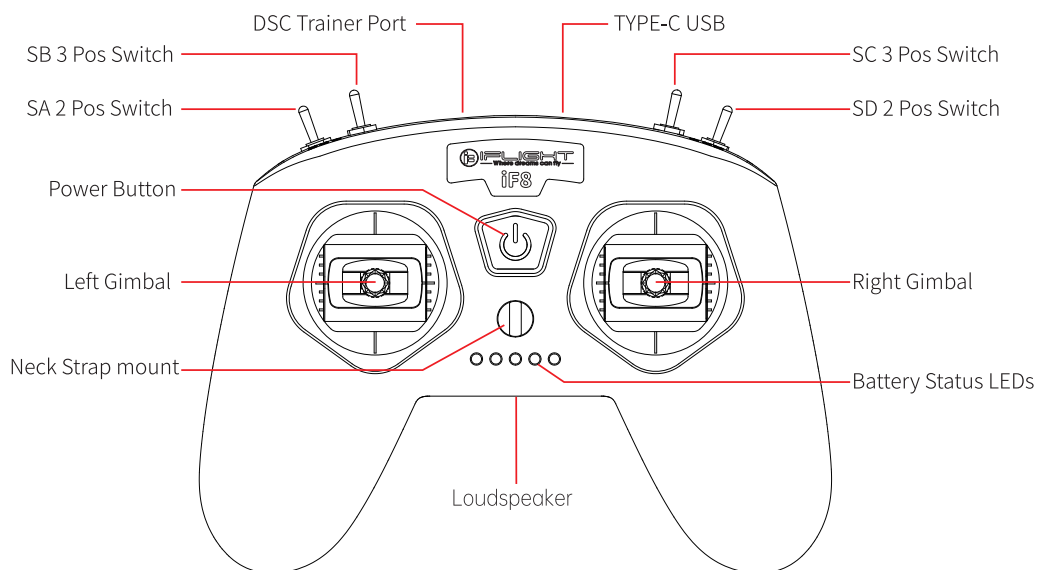


Firmware

The iF8 transmitter comes factory installed to use with D8 and D16 protocols. No firmware changes are required. Simply charge, bind and fly!

Visit www.iflight-rc.com to learn about optional hardware accessories to convert your iF8!

Switches and Functions





Charging Instructions

The iF8 has a built in 1000mAh Li-Po Battery. The built in USB-C charging port will charge your battery connecting to any suitable USB power source (USB-C cable included). We suggest using a regular 2A 5V USB power adapter.

Status	Indicator light
Power	Five indicator LEDs indicate 0-100% power, each indicator indicates 20% power
	<div><div></div><div></div><div></div><div></div><div></div></div> <div>20%40%60%80%100%</div>
Recharge	The indicator light flashes from left to right indicating that it is charging. After the charging is complete, the indicator lights are all on.



Using your iF8

Boot up: Press and hold the Power button until you feel a vibration feedback. The radio is now turned ON.

Shut down: Press and hold the Power button until you feel a vibration feedback. The radio is now OFF.

Power button indicator	Radio status
Lights off	Normal shutdown
RED / GREEN	If the throttle or switches are not in the default safety position the Power LED will be RED. Please move the switches to a safe position and move the throttle to the lowest point. The Power LED will turn GREEN to indicate the radio is now ready to use. To turn off your iF8 press and hold the power button until you feel a vibration feedback and the radio will turn off. If the LED is RED when trying to turn off your transmitter, please disconnect power of your model receiver first.

The iF8 default protocol D8 has 8 channels. The default channel mapping is AETR, please setup your flight controller software accordingly.

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
Aileron	Elevator	Throttle	Rudder	2 Position Switch SA	3 Position Switch SB	3 Position Switch SC	2 Position Switch SD



Binding your iF8

The iF8 uses a combination of Stick position and Bind button press to bind to one of the following protocols: D8 / D16 v1 FCC / D16 v1 LBT / D16 v2 FCC / D16 v2 LBT.

Hold the LEFT gimbal stick to select a protocol as shown, then press the bind button for more than 1 second to set the radio into bind mode. The Power button will flash blue to indicate binding is in progress.

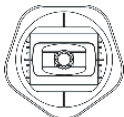
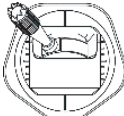
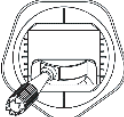
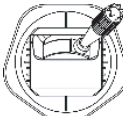
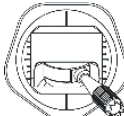
Receiver firmware compatibility list:

D8 protocol: iFlight R81 and other D8 receivers

D16 v1 protocol: iFlight R161, Frsky XM+ and R-XSR with firmware v1.x

D16 v2 protocol: iFlight R161, Frsky receivers with firmware v2.x and above

Note: Frsky receivers need to be flashed with the D16 standard ACCST firmware! ACCESS firmware is not compatible! Other D16 receivers not mentioned in this list usually use the D16 v1 protocol!

Left stick position	Certification	Protocol	version
 Stick Center		D8	
 Stick Top Left	FCC	D16	V1
 Stick Bottom Left			V2
 Stick Top Right	LBT/EU		V1
 Stick Bottom Right			V2

Different receivers might have different protocols and regions (firmware related).Please follow the instructions of your receiver manufacturer to select the correct setup and initiate the bind process.

A Note on input sensitivity:

If your craft feels too sensitive or slow to stick inputs, please setup your RATES and EXPO of your Flight controller software. EXPO is a function to soften and accelerate the stick translation at the center and full deflection of your stick movements. This can help to calm a drone that is very sensitive to stick movements. Please refer to the setup guide of your specific drone or flight controller to setup your model.



Specifications

Size: 160*130*45mm

Weight: 233±5g

Frequency: 2.400GHZ-2.480GHZ

RF Module: Multi-Protocol Module Compatible Single chip (CC2500)

Protocol Options: D8 / D16 v1 FCC / D16 v1 LBT / D16 v2 FCC / D16 v2 LBT

Transmission power: 20dbm

Antenna gain: 2db

Range: > 1km @ 20dbm (depending on noise floor and rx)

Battery: Built in 3.7V 1000mAh Lithium battery

Charging: Built in USB-C charging

Firmware: OpenTX iF8 Edition (Special iF8 Edition)

Multiprotocol-TX-Module (Stick input protocol selection)

Channels: Up to 8 channels (depending on the model / receiver)



Warranty and Support

If there is any problem with your remote-control hardware, please keep the proof of purchase and contact the retailer where you purchased the iF8. Technical support can be found at <https://www.iflight-rc.com>

Or join our Facebook group for community support <https://www.facebook.com/iflightrc>

CE EU Simple Declaration of Conformity

iFlight declares the radio equipment iF8 is in compliant with EU directives. Directive 2014/53/EU. Full text of the declaration of conformity is available at the following website www.iflight-rc.com.

Manufactured by

iFlight Innovation Technology Ltd.

Address: Floor5 NO.3, Shenghua Road, Zhongkai Hi-tech Area, Huizhou, CN



FCC ID: FCC ID: 2AV3G-T8

FCC Information

This equipment has been tested and found to comply with the limits for Part 15 of the FCC rules. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Full text of the declaration of conformity is available at the following website www.iflight-rc.com.



CAUTION

Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment. This product contains a radio transmitter with wireless technology which has been tested and found to be compliant with the applicable regulations governing a radio transmitter in the 2.400GHz to 2.4835GHz frequency range.

Antenna Separation Distance

When operating your iF8 transmitter, please be sure to maintain a separation distance of at least 20 cm between your body (excluding fingers, hands, wrists, ankles and feet) and the antenna to meet RF exposure safety requirements as determined by FCC regulations.