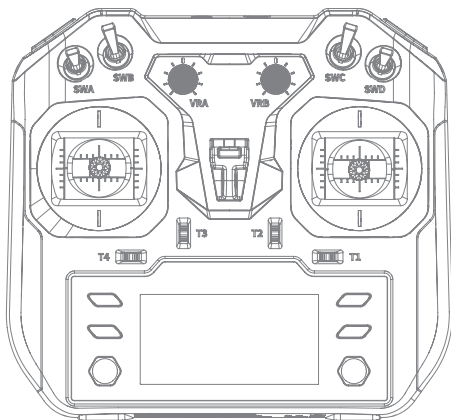


Quick Start Guide 快速操作指南

FS-i6 Nova

2.4GHz
AFHDS 2A



[Http://www.flysky-cn.com](http://www.flysky-cn.com)
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Thank you for purchasing the products of Flysky! This product utilizes the 2.4GHz AFHDS 2A (Automatic Frequency Hopping Digital System Enhanced 2nd Generation) system and outputs 10 channels. The system features a built-in model type setup menu for flexible adaptation to cars, boats, and robots.

To find out more about our products, visit our website at www.flysky-cn.com. If you encounter any problems during using, please refer to the manual first. If the problem is still not resolved, contact your local dealer directly or contact the customer service staff via Flysky official website.

Precautions

Read the safety messages listed below before operation!

- Do not use the product at night or during bad weather conditions, like rain or thunderstorms. It can cause erratic operation or loss of control.
- Do not use the product when visibility is limited.
- Do not expose the product to rain or snow. Any exposure to moisture (water or snow) may cause erratic operation or loss of control.
- Interference may cause loss of control. To ensure the safety of you and others, do not operate in the following places:



Near any sites where other radio control activity may occur



Near people or roads



On any pond/lake when passenger boats are present



Near power lines or communication broadcasting antennas

- Do not use this product when you are tired, uncomfortable, or under the influence of alcohol or drugs. Doing so may cause serious injury to yourself or others.
- The 2.4GHz radio band is limited to line of sight. Always keep your model in sight as a large can block the RF signal and lead to loss of control.
- Never grip the transmitter antenna during operation. It significantly degrades signal quality and strength and may cause loss of control.

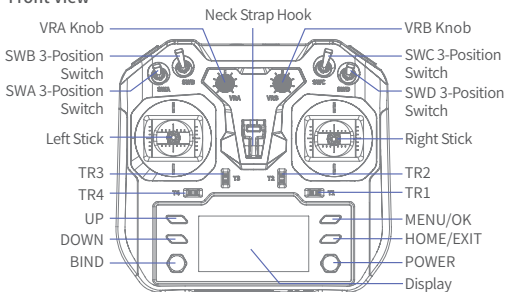
- Do not touch any part of the model that may generate heat during operation, or immediately after use. The engine or motor, may be very hot and can cause serious burns.
- Misuse of this product may lead to serious injury or death. To ensure the safety of you and your equipment, read this manual and follow the instructions carefully.
- Make sure the product is properly installed in your model. Failure to do so may result in serious injury.
- Make sure that the receiver's battery is disconnected before turning off the transmitter. Failure to do so may lead to unintended operation and cause an accident.
- Ensure that all servos operate in the correct direction. If not, adjust the direction first.
- Make sure that the model stays within range in order to prevent loss of control.

CAUTION!

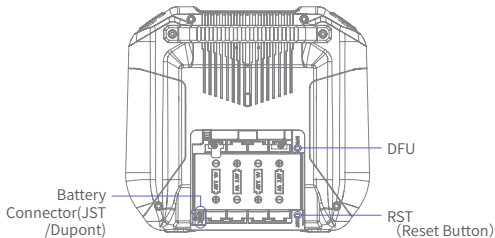
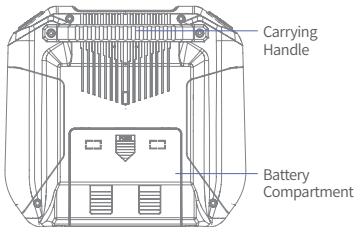
- **RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.**
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Transmitter Overview

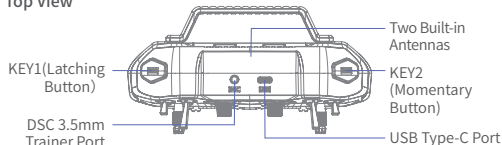
Front View



Back View



Top View

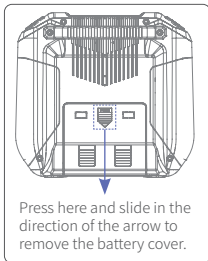


Basic Operations

► Installing the AA Battery

Follow the steps below to install the AA battery:

1. Open the battery compartment cover as shown in the figure.
2. Check the positive (+) and negative (-) polarity markings inside the battery compartment.
3. Place the included foam pad at the bottom of the battery compartment (Note: The foam pad will cover the original polarity markings after installation; please confirm the orientation before installing.).
4. Insert 4 fully charged AA batteries into the compartment according to the confirmed polarity directions.
5. Close the battery compartment cover.



► Installing the LiPo Battery

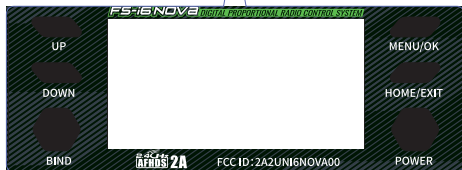
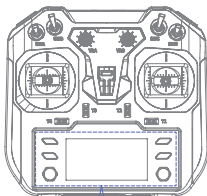
The transmitter supports LiPo batteries and has one JST connector and one Dupont connector for battery wiring. Follow the steps below to install the LiPo batteries:

1. Open the battery compartment cover.
2. If a foam pad is already installed inside the battery compartment, remove it first, then insert a fully charged 2S Li-Po battery into the compartment.
3. Attach the included adhesive-backed foam pad to the inside of the battery cover to prevent the battery from moving.
4. Plug the battery wiring of the LiPo battery into the JST Port accordingly.
5. Close the battery cover, minding to avoid pinching the battery wiring.

Note: Additionally, you can also use a USB Type-C cable to connect the transmitter's USB Type-C port for power.

► System Control Buttons

The following section explains the purpose of the following buttons: MENU/OK, HOME/EXIT, UP, DOWN, BIND and POWER.



MENU/OK Button(Menu/OK)

- On the Home Screen: A short press enters the main menu.
- On Non-Home Screens: A short press enters the selected submenu or selects a setting item. If the item is already selected, a short press saves the setting. For items with a reset function, a long press (approx. 1 second) restores the default value.

HOME/EXIT Button(Home/Back)

- On Non-Home Screen: short press to return to the previous level. Note

that if you return while a setting option is selected, the adjustment will not be saved; a long press ($\approx 1s$) jumps directly to the Home Screen. Please note: the button will not work during a transmitter firmware update.

UP Button (up)/DOWN Button (down)

- On the Home Page: Short press UP to enter the Display menu. Short press DOWN to enter the Sensor List menu.
- On Non-Home Screens: When the screen displays multiple functional items (indicated by ), use the UP/DOWN to switch between these items. When a setting item is selected, use UP/DOWN to adjust or toggle the item's options.

Short press of UP/DOWN: Navigate or adjust one step/item at a time.
Long press: Enables fast, continuous scrolling or switching.

BIND Button (binding)

- On the Home Screen: A short press enters Model Select menu.
- Entering Binding Mode: Press and hold BIND while powering on the transmitter.

Note: Exiting binding mode returns the transmitter to normal operation. To re-enter binding mode, power off and repeat the procedure.

POWER Button (power switch)

- Long press to power on / off. Refer to the Powering On/Off section for details.

► Powering on

Follow the steps below to turn on the transmitter:

1. Check to make sure that the batteries are fully charged and installed correctly.
2. Press and hold **POWER (power switch)** until the LCD screen light up.
3. Follow the on-screen prompts below to power on successfully.
 - Check if the controls are in the safe position. Please check the position

of the controls (SWA/SWB/SWC/SWD/KEY1/KEY2/Throttle Stick) and move them to the specified position to enter the home screen. If there is no operation within 5 minutes, the transmitter will automatically shut down.

- Or short press MENU/OK to enter the home screen.

► Powering Off

Follow the steps below to turn off the transmitter:

1. Turn off the receiver first.
2. Press and hold POWER (power switch). When the screen displays the prompt "Turn off the transmitter....", do not release the button. Continue holding until the screen goes completely dark, then release POWER to complete the shutdown.

- ❗ **Make sure to disconnect the receiver power before turning off the transmitter. Failure to do so can result out of control. Unreasonable setting of the Failsafe may cause accidents.**

► Binding

Using the FS-i6 Nova transmitter and FS-iA10B receiver as an example for two-way binding, the steps are as following:

1. Hold the transmitter's BIND button and turn on the transmitter. Once powered on, the transmitter will enter binding mode. Then release the BIND button and POWER button.
2. Connect the binding cable to the B/VCC connector on the receiver.
3. Connect the power cable to any other connector on the receiver. The receiver's LED flashes rapidly, indicating that the receiver has entered the binding mode.
4. Once the receiver's LED is solid on (the transmitter will automatically exit binding mode). At this point, remove the binding cable and the power cable, then reconnect the power cable to the B/VCC connector.
 - Once the receiver's LED is solid on, indicating the binding is successful.
5. Check whether the transmitter and the receiver are working properly. If

you need to rebind, repeat the steps above.

Note: The binding mode may vary according to the receiver model. Visit the Flysky official website to check the receiver manual or other relevant information.

► Failsafe

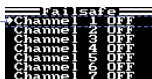
The failsafe function is used when the receiver loses radio signal and is out-of-control. The receiver performs channel output according to the set failsafe value to protect the safety of the model and personnel.

Each channel from 1 to 10 can be individually set to either [OFF] or [ON] for its failsafe. The default setting is [OFF], which means the channel will hold its last output value upon RF signal loss. **To ensure safety, always configure appropriate failsafe values based on your specific equipment.** When set to [ON], a specific failsafe value can be defined for the channel. The default value is the channel's current output.

You can also set the output value for all channels with configured failsafe values through [All Channels] after RF signal loss.

Setup:

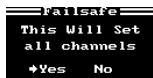
1. On Home Screen, briefly press MENU/OK to enter MENU interface.
2. [System] is selected by default. If not selected, short press UP/DOWN to select it, then short press MENU/OK to enter.
3. Short press UP/DOWN to navigate to the [RX setup], then short press MENU/OK to enter its interface.
4. Short press UP/DOWN to navigate to the [Failsafe], then short press MENU/OK to enter.
5. Set an individual channel failsafe:



- Short press DOWN/UP to select a channel, then short press MENU/OK. In the submenu, set the option to [ON], then move and hold the corresponding physical control to the position you wish to set. Finally, short press MENU/OK to confirm.

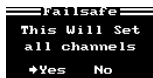
6. Set [All channels] failsafe:

- Move all controls corresponding to channels with set values and hold them if needed, then short press MENU/OK, then set the option to [YES], Finally, short press MENU/OK to confirm.



7. To restore defaults:

- When no parameter is selected on the [Failsafe] page, press and hold MENU/OK. The system will pop up a confirmation dialog. Select [Yes], then press MENU/OK briefly to confirm and complete the operation.



► Firmware Update & Language Selection

To put the transmitter into updating state. In case of updating the firmware of the transmitter, use this function to put the transmitter into updating mode first, then upgrade the transmitter's firmware.

Furthermore, the transmitter's system language can be changed via the firmware update function. Within the update interface, simply select either the Chinese or English firmware file to switch the language.



Warning

- Do not unplug the USB Type-C cable while the firmware is updating.

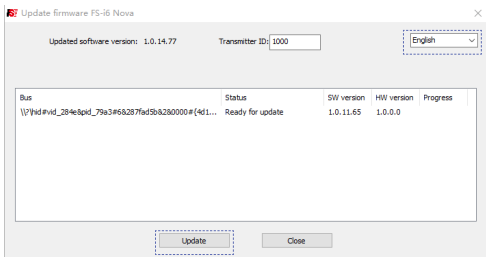
Follow these steps:

1. Download and open the latest official firmware.
2. Connect the transmitter to the computer using a USB Type-C cable.
3. Select [Firmware update]. Follow the on-screen prompts to short press MENU/OK, then select [Yes] and short press MENU/OK again to enter the update mode.
4. After completing the above steps, as shown in the figure below, on the computer's update software interface, first select the language version you want to update, and then click [Update] to start updating the transmitter's firmware.
5. Once the firmware update is complete, restart the transmitter.

Firmware update:
This will enter
firmware update
mode and halt
other functions
Press "OK" to
confirm

Firmware update:
This will enter
firmware update
mode and halt
other functions
Are you sure?
Yes → No

Firmware update:
Update Mode
Active.Turn the
system off and
on again to exit



Specifications

- Product Model: FS-i6 Nova
 - Compatible Receiver: Receivers with AFHDS 2A protocol
 - Compatible RC Models: Educational, Competition, and Recreational Models
 - Number of Channels: 10
 - Number of Bands: 135
 - RF: 2.4GHz ISM
 - Maximum Power: < 20dBm (e.i.r.p.) (EU)
 - RF Protocol: AFHDS 2A
 - Resolution: 1024 Step
 - Data Interface: USB Type-C, 3.5mm Audio Jack (DSC)
 - Antenna: Two built-in antennas (a PCB antenna and a copper tube antenna)
 - Input Power: AA*4/2S LiPo (supports a 4-9V power supply input)
 - Display: 128*64 LCD (Black and white dot matrix screen)
 - Firmware Update: Supported
 - Temperature Range: -10°C ~ +60°C
 - Humidity Range: 20% ~ 95%
 - Language: Chinese or English (via flashing firmware for the desired language)
 - Dimensions: 168.6mm*155.6mm*87.9mm
 - Weight: 360g (Excluding battery)
 - Charging Jack: None
 - Certifications: CE, SRRC, FCC ID: 2A2UNI6NOVA00
-
- For more information about the transmitter, please refer to the user manual.

Certifications

FCC Compliance Statement

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.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

EU DoC Declaration

Hereby, [ShenZhen FLYSKY Technology Co., Ltd.] declares that the radio equipment type [FS-i6Nova] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.flyskytch.com/info_detail/10.html

Environmentally Friendly Disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS



CAUTION

- replacement of a battery with an incorrect type that can defeat a safeguard (for example in the case of some lithium battery types);
- disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery that can result in an explosion;
- leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; and
- a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

CE SAR statement

This equipment complies with Directive 2014/53/EU radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter. The portable device is designed to meet the requirements for exposure to radio waves established by European Union market (France). These requirements set a SAR limit of 2W/kg averaged over ten gram of tissue.

The highest SAR value 0.061W/kg reported under this standard during product certification for use when properly worn on the body.