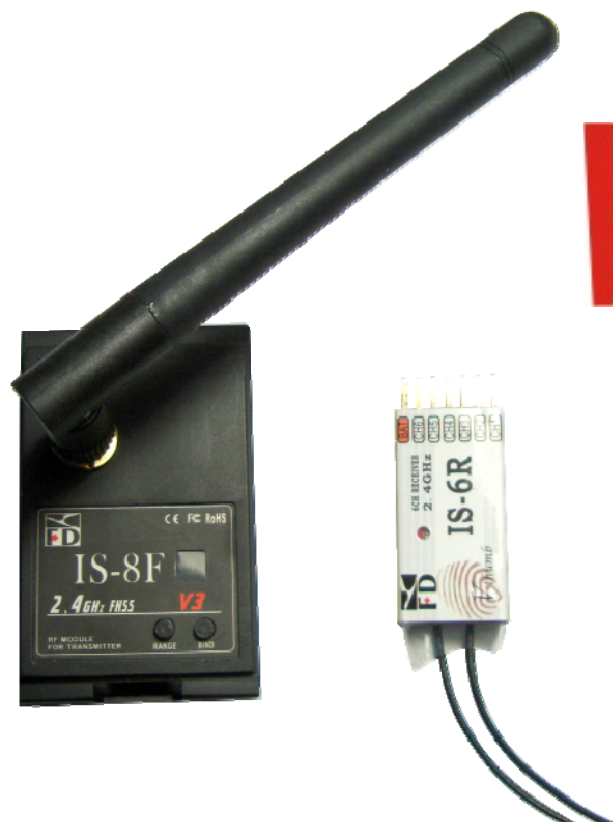




2.4 GHz Radio Control System



www.f-d-rc.com

Thank you for purchasing our Fly-Dream 2.4GHz V3 Radio Control System. We are sure you will enjoy it. The following notes will guide you through the simple set up procedures. Model is not toy, we give you a strong reminder that you should reading the contents of this article carefully before using it ,which is the interests of public safety considerations

Attention :

1. Please use this in the provided venues, juveniles are asked to be accompanied by a guardian to use.
2. Any electronic may lose control, please set up failsafe correctly to avoid or reduce losses.
3. Range is affected by the environment .Please test range in the open away from any obstacles.
4. If the transmitter is too close to the receiver (about 5cm) the receiver may not work. Simply move the transmitter away from the receiver. It will work fine if the transmitter and receiver are more than 1m apart.
5. Please note the positive and negative charges on the voltage protector, don' t make mistake
6. Do not fly unless it is safe to do so. Consider the safety of others at all times when flying.

FD 2.4GHz V3 radio control system

FD 2.4GHz works with the standard of Frequency-Hopping Spread Spectrum (FHSS), it changes frequency quickly throughout the 2.4Ghz band, utilizing 19 separate frequencies in order to reduce interference from other unwanted signals. This ensures safe, stable operation over a wide range of conditions likely to be encountered at any flying field.

FD 2.4GHz V3 radio control system' s features

- ◆ Long range, Light weight
- ◆ Failsafe. You can set the receiver to default to a pre-set position on all channels in the unlikely event of signal loss.
- ◆ Automatic frequency scan when turning on the transmitter and receiver ensures no frequency clash and maximum safety.
- ◆ Bind once, use forever!
- ◆ Range test. Convenient method to check the performance of the system which means you won' t need to walk kilometers away.
- ◆ Ultra-low-power design. Low power consumption by Transmitter modules and Receivers.

FD 2.4GHz V3 radio control system' s details

1. FD 2.4GHz V3 radio control system consists of:

Transmitter module (IS-8F/IS-8J) ×1
Receiver (IS-8R /IS-6R ×1
/IS-4R/IS-4R0)
Transmitter antenna (IS-TA) ×1
Voltage protector/Bind ring ×1

2. Transmitter module compatibility

Futaba module (IS-8F) :

Futaba: 3PM/3PK/7U/8U/8J/9C/9Z/10C and FN series.

Hitec: Optic 6/Eclipse 7.

WFLY: WFT08/WFT 09.

JR module (IS-8J) :

JR: 347/388/783/U8/PCM10/PCM10S/PCM10SX/ PCM10IIS/
8103/3810/J9303/MX-22/MX-24S/PX/9X/9XII / Turnigy9X /11X

3. Transmitter module specifications

Dimensions:58.5×37.5×22.1mm (IS-8F)

63.9×48.5×36.5mm (IS-8J)

40.2×20.1×7.2mm (IS-8D) (DIY kit)

Operating Voltage:6V~18V

Operating Current: 40mA

Output Power :< 19mW

Resolution: 1μs

4. Receiver specifications:

Type	IS-4R0 (4CH)	IS-4R (4CH)	IS-6R (6CH)	IS-8R (8CH)
Size(mm)	24×15.1×5.6	24×15.1×5.6	34.2×18.4×8.7	36.2×20.1×8.1
Weight	1.9g	2.2g	6.5g	7.3g
Distance	240m (on ground)	450m (on ground)	1200m	1200m
Operating Voltage	3.7V~6.0V	3.7V~6.0V	4.8V~6.0V	4.8V~6.0V

Follow these easy steps to set up your transmitter and receiver.

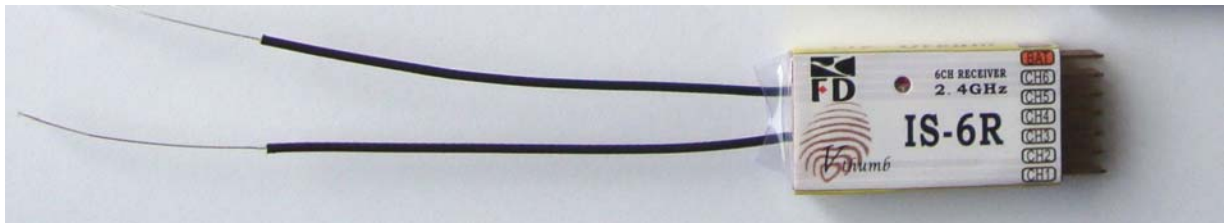
Install the transmitter module

1. Remove the original transmitter module.
2. Put the FD 2.4GHz transmitter module into the module port and screw on the transmitter antenna.
3. Set your transmitter to PPM / FM mode.

Bind and set Failsafe on the receiver(s)

1. Before installing the receiver(s) in your model(s) follow the instructions below to bind the receiver to the transmitter.
2. You can set failsafe either in the model or on the bench. It is best to check that the control surface positions for failsafe are what were intended before flying.

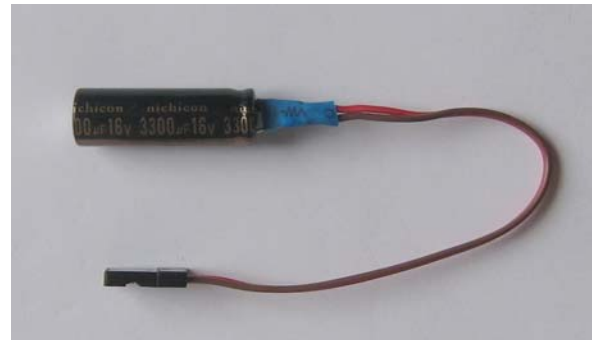
Note: When you do install the receiver in the model try to place the tip of the antenna (the silver bit(s) approx 33mm long) away from objects with high conductivity, such as metal parts, servos, ESC's, battery packs, wires, and carbon fiber structures. For receivers with 2 antennas position the tips of the antennas so they are approximately 90 deg to each other. If possible put the tip of the antennas (the 33mm long silver bit) outside of the fuselage for maximum reception.



IS-6R



Code Ring



Voltage Protector

Bind receivers

1. Turn the transmitter on. Make sure that your transmitter is set to PPM mode, and then turn the transmitter off. Note: - Receivers will not bind if the transmitter is set to PCM mode.
- 2.
2. Press the "BIND" button on the TX module and turn on the transmitter. The LED on the module will light green for 0.5s then go off for 1s. Release the button within this 1s. When you have changed to "BIND" mode, the LED on the module will flash between red and green. Then you are ready to bind the receivers.

3. **The binding procedure is different for IS-4R(0)(see 3A) and IS-6R and IS-8R (see 3B)**

3A: IS-4R0&IS-4R	3B:IS-6R&IS-8R
Plug the FD code ring into the 4th channel. Connect the receiver to the battery; The LED on the receiver will light. Immediately pull out the FD code ring (The LED lights for 2 seconds make sure to pull out the code ring within this 2 seconds). The LED will flash quickly and go out. This shows that the receiver has bound to the module. Turn off the power to the receiver. If you do not want to bind more receivers at this time, turn off the transmitter	Press and hold the button on the receiver (under the sign of Vthumb) . Connect the receiver to the battery. The LED on the receiver will light red (about 2S), Immediately (while the LED is on) release the receiver button. The LED will flash quickly several times and go out. Turn off the power to the receiver. If you do not want to bind more receivers at this time, turn off the transmitter.

4. Check system operation.

Turn the transmitter on. The module LED should be green. Connect the receiver to the battery. The red LED on the receiver will flash three times (now it is searching for the frequency) and light red, indicating the receiver is operating properly. The LED on the receiver will not light when there is no signal.

Once the successful binding of Tx module and Receiver, no binding again in the following use.

Set Failsafe

IS-4R0 & IS-4R

1. After initial binding, turn on the transmitter.
2. Plug into FD code ring to the 4th channel. Connect the receiver to the battery. The LED on the receiver will light then go out. (The LED will go out only 2 seconds.) Make sure to get the code ring off within this 2 seconds.) Then the LED will flash several times and then stay light.
3. Move the joystick of your transmitter to where you want the surfaces / motor etc to be in the event of lost signal. Turn off the transmitter. The receiver will flash several times; this shows the receiver has remembered the position which you have set. In the rare event that your system loses signal, all channels will return to the position which you have set.
4. Turn off the power to the receiver. Failsafe has been finished.
5. Check that failsafe works, by turning on the transmitter then the receiver / model. Turn off the transmitter. The controls should go to their preset position. They will return to those on the transmitter when power is restored.
6. After setting failsafe and making sure the receiver works normally, plug the servo into the 4th channel.
7. Go Fly.

IS-6R & IS-8R

1. After initial binding, turn on the transmitter.
2. Press and hold the button on the receiver (under the sign of "V-thumb"). Connect the receiver to the battery. The LED on the receiver will light (about 1s) and then go out (for about 1s) . At this time (when the LED off) remove your hand from the receiver button. The LED on the receiver will then go on.
3. Move the joystick on your transmitter to where you want the surfaces / motor etc to be in the event of lost signal. Press the button on the receiver .The LED will flash several times; this shows the receiver has remembered the position which you have set. In the rare event that your system loses signal, all channels will return to the position which you have set.
4. Turn off the power to the receiver. Failsafe is now set.
5. Check that failsafe works, by turning on the transmitter then the receiver / model. Turn off the transmitter. The controls should go to their preset position. They will return to those on the transmitter when power is restored.
6. Go Fly.

Range checking

For safety, we suggest you conduct a range test before each flying session.

- 1). Have a friend hold the model for you. Position the model at least two feet (60cm) above non-metal contaminated ground. If you don't have anyone to help you, use something like a wooden bench. Make sure the model cannot move under its own power.
- 2). Press and hold on the "RANGE" button on the module and turn on the transmitter. The yellow LED will light for 0.5s then go out for 1s. Make sure you release the "RANGE" button within this 1s. The LED on the module will light yellow. The module is now in "RANGE" mode.
- 3). Move joysticks in the transmitter and verify that the model is responding normally. Move away the transmitter from the model up to 10m (IS6R, IS8R) or 8m (IS4R). If the control surfaces move as expected it shows the Tx module and receiver are working as expected and can be used. If control is lost, or the model behaves abnormally, please check and resolve any problems before conducting another range test. Do not fly if the range test fails and cannot be fixed.
- 4). When range testing is completed, press the "RANGE" button on the Tx module. The LED on the Tx module will light green, indicating that the Tx module has returned to its normal power state. You can now fly.

During the range test the Transmitter module will have a range of approx 10m (IS6R, IS8R) and 8m (IS4R). In normal power mode, range is greater than 1,200 meters (IS6R and IS8R) and 1000 meters (IS4R) in the sky.

Note:

- 1. Once the Transmitter module and Receiver are successfully bound, there is no need to bind again if you add extra receivers.**
- 2. NOT fly when you at Range Test Mode.**
- 3. In the extremely rare event (1 in approximately 13 million) that another Fly-Dream system uses the same ID it is possible to reset the ID by pressing both "BIND" and "RANGE" buttons together. (NOT do this unless you want to reset the ID. There is absolutely no need to do this in normal operations.)**

Enjoy your Fly-Dream 2.4GHz Radio Control System.

If you have any questions please do not hesitate to contact us or visit our
website: www.fd-rc.com

Or contact with your local supplier: