

FD10 FASST 10CH Dual Redundancy Training Receiver

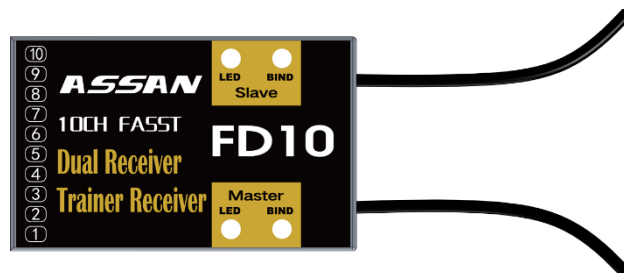
FD10 FASST 10CH dual redundancy training receiver has two independent Futaba FASST system receivers inside. It is a receiver specially designed for highly reliable reception and training flight. In the dual redundancy receiver mode, the two receivers are hot backup to each other. When the antennas of the two receivers are installed in different directions on the model, the model can obtain stable control signals in various postures of flying, which is more reliable than the ordinary dual antenna single receiver. In the training receiver mode, the two receivers receive the signals of the trainer transmitter and the trainee transmitter respectively. The trainer controls the timing of the trainee's operating of the model, which is more convenient and flexible than using the training line to connect the trainer transmitter and the trainee transmitter for training.

Features

- Support all Futaba FASST system transmitter
- Two independent receivers inside
- 10 channels output
- More stable and reliable receiving capability (Dual redundancy receiver mode)
- Make training flight more convenient and flexible (Training receiver mode)
- Support the FailSafe function that can be set by the transmitter
- Support HV servo

Specification

- Voltage: 4.5V ~ 8.4V
- Size: 47 x 30 x 11 mm
- Weight: 13g



LED Indication

1. Receiver working mode

When powered on, the red LED of the Master receiver flashes times to indicate the working mode of the FD10 receiver.

Flashing 3 times: Dual redundancy receiver mode

Flashing 6 times: Training receiver mode

2. Receiving status

Red LED solid on: No transmitter signal is received.

Green LED solid on: The transmitter signal is received.

Green LED flashing: The transmitter signal is received, but the ID of the transmitter has not been bound.

How to binding

1. Bring the transmitter and the receiver close to each other, within half meter.
2. Turn on the transmitter.
3. Turn on the receiver.
4. Press the BIND button for more than 2 seconds, the red LED starts flashing.
5. When the red LED stops flashing, release the button.
6. When the red LED off, the green LED solid on, binding is completed.

Usage

A. Dual redundancy receiver mode

The Master receiver and Slave receiver receive the transmitter signal at the same time, which are hot backup to each other, providing double redundancy receiving capacity, making the output signal more stable and reliable.

1. Binding

Turn on the transmitter to get close to the receiver, turn on the receiver, and press the BIND button of the Master receiver and the Slave receiver respectively for more than 2 seconds to make the Master receiver and the Slave receiver complete binding.

2. Setting mode

Turn on the transmitter, cycle the receiver's power. Within 30 seconds after the receiver is powered on, quickly toggle any switch on the transmitter that have mapped channel (such as gear switch, etc.) for 3 or more times, and the red LED of the Master receiver flashes for 3 times, indicating that the FD10 receiver has been set to the dual redundancy receiver mode.

B. Training receiver mode

The Master receiver receives the trainer transmitter, and the Slave receiver receives the trainee transmitter. Use the switch on the trainer transmitter to select whether the trainer controls the model or the trainee controls the model.

1. Set trainer and trainee selector switch

Select a channel (such as DG1 and DG2 channels) that is not used in the model on the trainer transmitter, and mapping a switch to this channel (see the transmitter manual for the specific mapping method). This switch is used to select the trainer or trainee to control the model.

2. Binding

Turn on the trainer transmitter and the trainee transmitter respectively (do not turn them on at the same time), and complete binding of the Master receiver and the trainer transmitter, and the Slave receiver and the trainee transmitter respectively.

3. Setting mode

Turn on both the trainer transmitter and the trainee transmitter, cycle the receiver's power. Within 30 seconds after the receiver is powered on, quickly toggle the trainer and trainee selector switch on the trainer transmitter for 3 or more times, and the red LED of the Master receiver flashes for 6 times, indicating that the FD10 receiver has been set to the training receiver mode, and record the channel mapped by the switch as the switching control channel.

Note: when other devices on the model (such as gyro, etc.) are also set by quickly toggle a switch, if the trainer transmitter is used to set these devices, the trainee transmitter must be turned off. If the trainee transmitter is used to set these devices, the trainer transmitter can be turned on or off.

4. Suggestions

After completing all the settings of the model on the trainer transmitter, you need to make the same settings on the trainee transmitter, or copy the setting parameters of the model from the trainer transmitter to the trainee transmitter.

Use the trainer transmitter and the trainee transmitter respectively for the model test flight, and ensure that both transmitters can operate the model normally before the training flight.