

FT06 control equipment

instruction

—use in model aerocraft/helicopter



TF06A: ordinary airplane with 6 channels, airplane's mixture function, big and small action, ordinary helicopter.

TF06B: ordinary airplane with 6 channels, airplane's mixture function

TF06C: helicopter CCPM with 6 channel, ordinary helicopter, ordinary airplane

notice

- ▲ please read this instruction before you use the production.
- ▲ Please put away the instruction

TDF Digital Proportiond R/C System

Catalogue

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FT06 A



FT06 B





FT06 C


Special symbol Instruction

To use the production safely, please pay attention to the instructions as follows.

Please pay special attention to the symbol as follow:

 **Dangers:** If you use it without proper operations ,it is possible to hurt you seriously or may even cause death.

 **Warnings:** If you use it without proper operations , it may make you or others to hurt badly or may even cause death ,and it may cause slight hurt or damage to things.

 **Notices:** If you use it without proper operations ,it may cause you to hurt slightly or damage things , but it won't hurt you seriously normally.



Forbiddance!



Obligation!

Flying Notice

⚠ (warning)



Same frequencies can't fly at the same time.



※ Same frequencies used synchronously will cause the plane to prang or to damage. Even the modulation ways of AM, FM, PCM are not the same, when the frequencies are identical, it will cause the plane to prange or to damage.



※ You mustn't play it at night, in the rainy day, or in the day with strong wind, which will damage the device or plane.



※ The antenna of the transmitter should be pulled out when using it. Otherwise, the signal will be weakened and the control range will become smaller, which will cause the plane to crash.

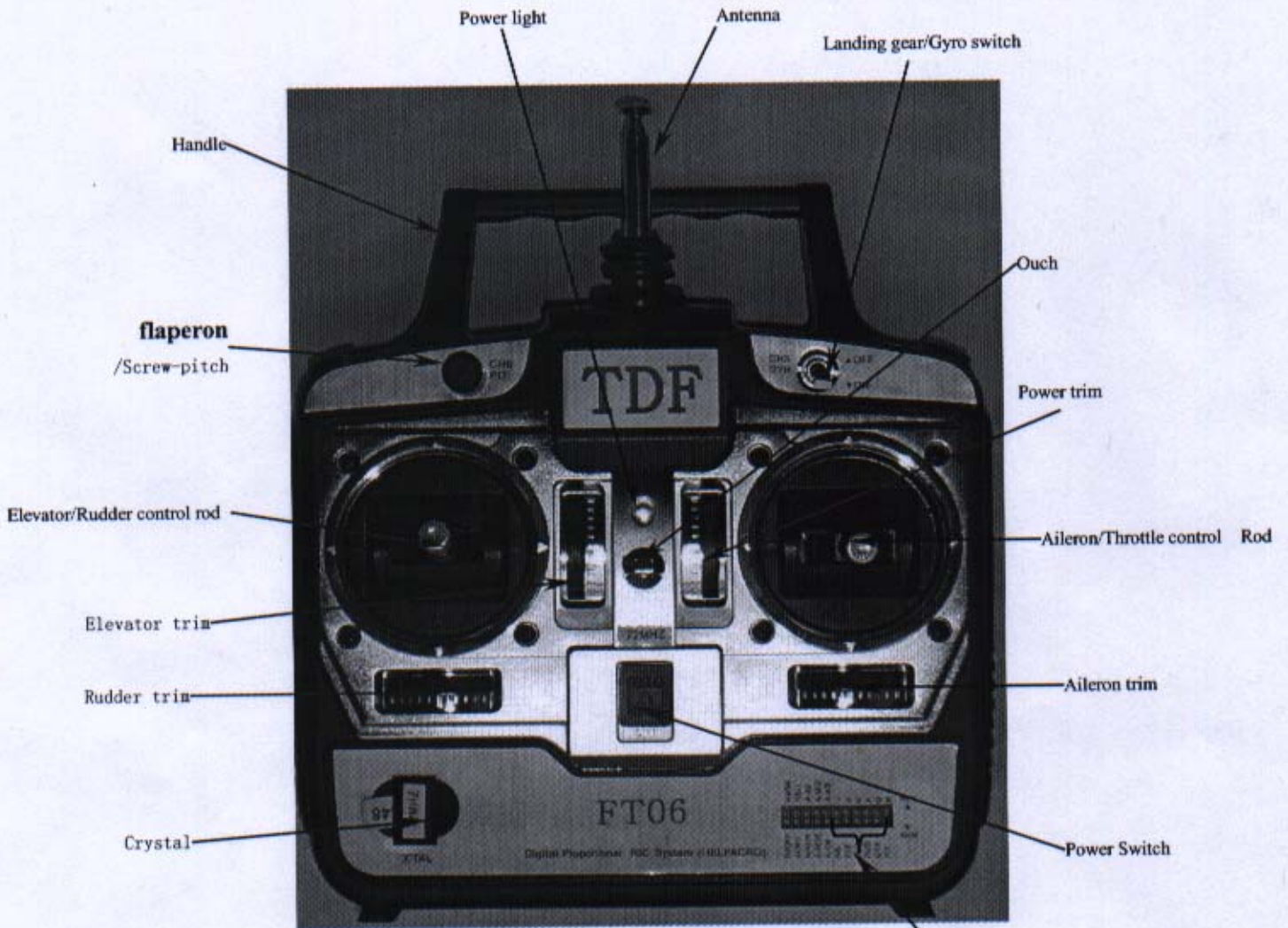


Checking

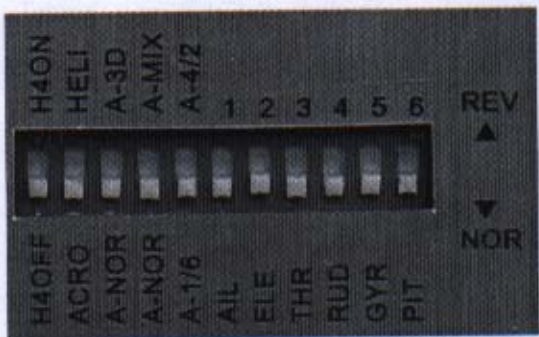
※ Please check whether every servo works properly and any disturbances signals from the outside environment or not before you play it. (if the radio bounces after turning off the power, there may be some disturbance, in this case, please change into partnership crystals)

Parts Description & Operation Instruction

FT06 Radio face



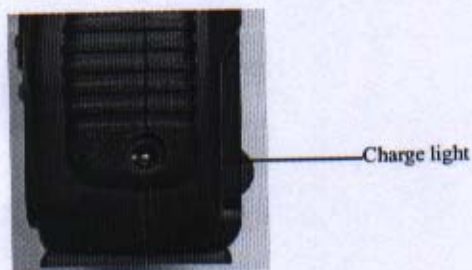
1. AIL: Aileron (Channel 1)
2. ELE: Elevator (Channel 2)
3. THR: Throttle (Channel 3)
4. RUD: Rudder (Channel 4)
5. GYR: Landing gear/Gyro (Channel 5)
6. PIT: flaperon /Screw Pitch (Channel 6)



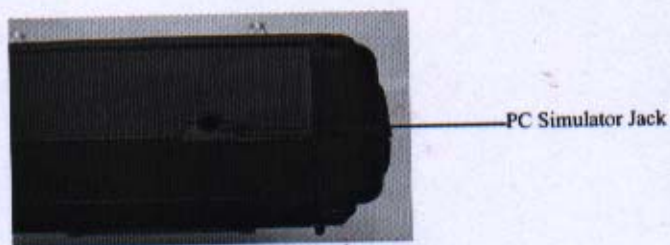
FT06 Radio Rear



FT06 Side of Radio



Underside of Radio

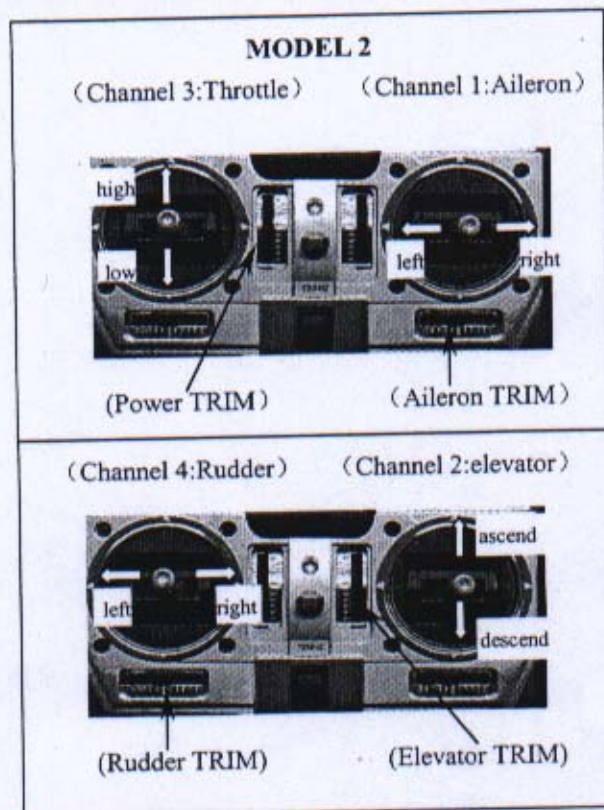
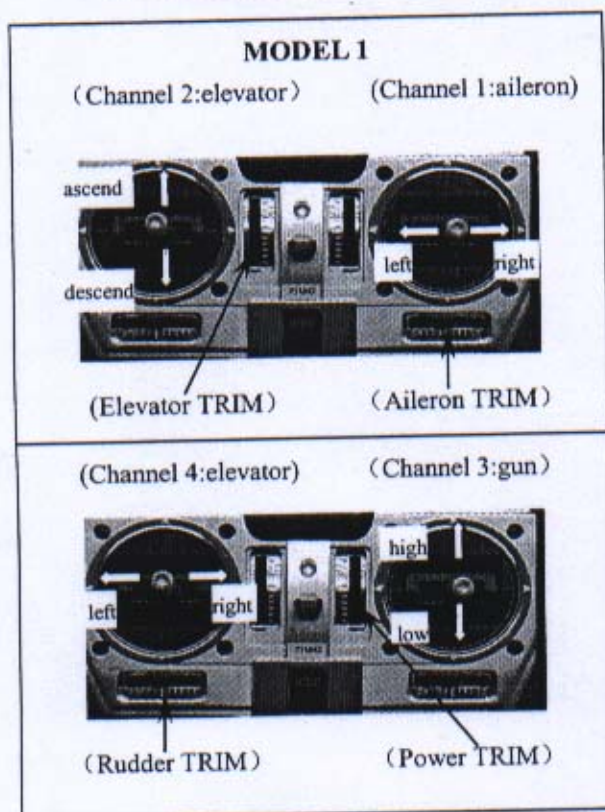


Coupling ways of FPR06 6ch Receiver

1. AIL: Aileron (channel 1) -----
2. ELE: Elevator (Channel 2) -----
3. THR: Throttle (Channel 3) -----
4. RUD: Rudder (Channel 4) -----
5. GYR: Landing gear/Gyro (Channel 5) -----
6. PIT: flaperons/Screw-pitch (channel 6) -----



Operations of the Transmitter & function of control rods



Channel 1: the action of aileron

Control the right-and-left lean of the aircraft .To level the slantwise aircraft ,you must make the control rod act in reverse direction.otherwise ,it will make the aircraft overturn .

channel 2:the action of the elevator

Control the aircraft to descend or ascend.Pulling the control rod down will drive up the head,and the aeroplane will ascend.boosting it up will make the head downhill,and the aeroplane will descend.

Channel 3:the operation of the trottle

Control the power.pulling control rod down will speed down the power group,and boosting the control rod up will speed up the power group.

Channel 4:the action of the rudder

Control the swerve of the aircraft . Turning the control rod to left will make the head of the aircraft turn left.and turning it to right will make the head turn right..

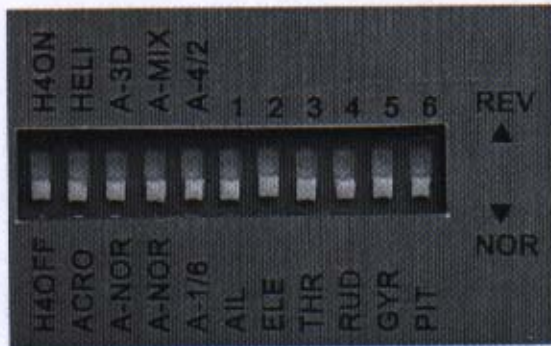
Channel 5:the action of landing gear/gyro

This channel is for switch variable. It is a switch to control landing gear when used for airplane state,but it will be a switch for gyroscope when used for helicopter.

Channel 6:the action of Screw-pitch/Flaperon

The angle adjusting of the flaperon is for the airplane state ,and the adjusting of the main screw-pitch is for helicopter state.

FT06A FUNCTION INTRODUCTION



This model has functions of both airplane and helicopter, and emphasizes more on airplane.

The functions are as follows:

- ① Airplane's channel 1, 2, 4, 6 petty action $\pm 100\%$ and great action $\pm 125\%$ switch of rudder angle
- ② Airplane's channel 1 & 6's mixture control: mixture control functions of flaperon.
- ③ Airplane's channel 4 & 2's mixture control: mixture control of V-tail.
- ④ Helicopter's channel 3's mixture control is only to channel 6.
- ⑤ Channel 1-6's reverse switch.

Function switch instruction

In helicopter state, pulling A down to put off the connection of channel 4 that it will suffers channel 3's mixed control, and pulling it up will open this connection. But the connection that for channel 6 suffers channel 3's mixed control is stable, which is irrelevant with this switch.

Pulling B down is airplane state and pulling up is helicopter state.

In airplane state, pulling C down, the rudder angle 1, 2, 4, 6 will change $\pm 100\%$ and pulling it up 1, 2, 4, 6, the rudder angle will change $\pm 125\%$.

In airplane state, pulling D down make switches have no mixture control function, but pulling it up will cause them have the function.

Pulling E down and pulling D up cause channel 1 and 6's mixture control (flaperon's mixture control). Pulling E up will cause channel 2 and 4's mixture control (V-TAIL).

Channel 1 is reverse switch for flaperon. Pulling F down is to make it in normal mode, and pulling it up is to make it act in reverse.

Channel 2 is reverse switch for elevator. Pulling G down is to make it in normal mode, and pulling it up is to make it act in reverse.

Channel 3 is reverse switch for throttle. Pulling H down is to make it in normal mode, and pulling it up is to make it act in reverse.

Channel 4 is reverse switch for rudder .Pulling I down is to make it in normal mode , and pulling it up is to make it act in reverse.

Channel 5 is reverse switch for landing gear/gyroscope .Pulling H down is to make it in normal mode ,and pulling it up is to make it act in reverse.

Channel 6 is reverse switch for screw-pitch/ flaperon .Pulling H down is to make it in normal mode ,and pulling it up is to make it act in reverse.

Mixture functions of helicopter

Ordinary model of gyro: when A and B's switch is up, channel 3 will control channel 4 and 6. That is ,when pushing channel 3 control rod, both the main oar's distance and the tail oar's distance will enlarge .So if the oar distance become nearer,you should only turn the reverse switch of the corresponding channel.

The gyro model with special functions: Having the mixture functions of channel 4 will unlock the tail. So when this happens,you can pulling A down and pulling B up.

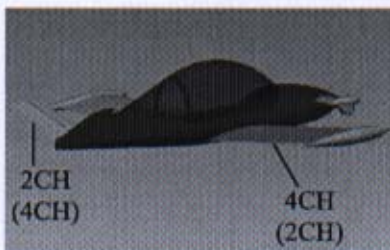
Mixture functions of airplane's flaperons



when B 、 E is down and D is up: the flaperon uses two rudders.If you turn the channel 6 switch, the left and right flaperons can fluctuate at the same time .Beating channel 1's pole in right-and-left direction can make the flaperons at two sides differential.

The left flaperon is connected to 6CH and the right one is connected to 1CH.

Airplane's V-TAIL



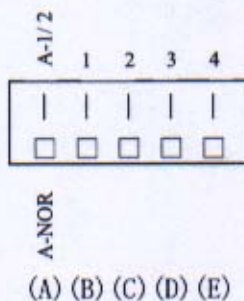
It is used in V-tail of aircraft.2CH elevator and 4CH rudder's mixed control will cause the aircraft to descend /ascend or turn.

FT06B FUNCTION INTRODUCTION

This model is a popular model with 4 channels. It is mainly used for airplane or helicopter with mixture functions.

Function switch instruction:

- (A) Pulling A down is normal channel 4 function, and pulling it up is mixture function for channel 1 or 2.
- (B) Channel 1 is reverse switch for elevator. Pulling B down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (C) Channel 2 is reverse switch for elevator. Pulling C down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (D) Channel 3 is reverse switch for throttle. Pulling D down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (E) Channel 4 is reverse switch for rudder. Pulling E down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (F) When the battery voltage is below 8.8V, the power indicator light 1S/1S glitters and buzzes. And when the battery voltage is below 8.3V, the power indicator light 0.5S/0.5S glitters and buzzes at the same time.



Function switch instruction

- ① Standard 4 channel functions
- ② mixture functions of channel 1 or 2.
- ③ Channel 1 to 4's reverse switch

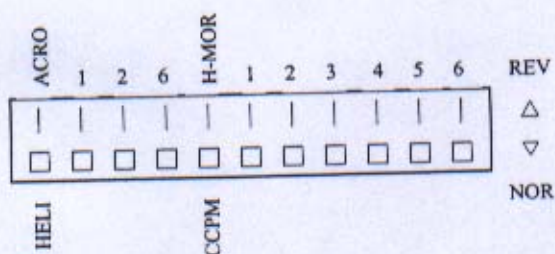
FT06C FUNCTION INTRODUCTION

This model has the functions of CCPM helicopter, ordinary helicopter and ordinary airplane, but emphasizes on helicopter.

The main functions are as follows:

- ◇ Ordinary 6 channel airplane function

- ◇ Ordinary helicopter mixture function
- ◇ CCPM helicopter mixture function
- ◇ CCPM's 1、2、6 mixture reverse function
- ◇ CCPM function of flying in reverse (5 channel switch control)
- ◇ Channel 1 to 6's reverse switch
- ◇ Low voltage sound-and-light hint: When the battery voltage is below 8.8V, the power indicator light 1S/1S glitters and buzzes. And when the battery voltage is below 8.3V, the power indicator light 0.5S/0.5S glitters and buzzes at the same time.



(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K)

Function switch instruction:

- (A) pulling A down is helicopter state, and pulling A up is the ordinary airplane state.
- (B) When it is CCPM, channel 1 has mixture reverse function.
- (C) When it is CCPM, channel 2 has mixture reverse function.
- (D) When it is CCPM, channel 6 has mixture reverse function.
- (E) Pulling E up will make it have the functions of ordinary helicopter, and pulling it down will make it have the function of helicopter CCPM.
- (F) Channel 1 is reverse switch for elevator. Pulling F down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (G) Channel 2 is reverse switch for elevator. Pulling G down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (H) Channel 3 is reverse switch for gun. Pulling H down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (I) Channel 4 is reverse switch for rudder. Pulling I down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (J) Channel 5 is reverse switch for undercarriage/gyroscope. Pulling J down is to make it in normal mode, and pulling it up is to make it act in reverse.
- (K) Channel 6 is reverse switch for whorled distance/flaperon. Pulling J down is to make it in normal mode, and pulling it up is to make it act in reverse.

FT06A FUNCTION INTRODUCTION₆ channels

This model has functions of both airplane and helicopter ,and emphasizes more on airplane.

The functions are as follows:

- ① Airplane' s channel 1、 2、 4、 6 petty action $\pm 100\%$ and great action $\pm 125\%$ switch of rudder angle
- ② Airplane' channel 1 & 6' s mixture function:mixture functions of flaperon.
- ③ Airplane' s channel 4 & 2' s mixture function: mixture function of V-tail.
- ④ Helicopter' s channel 3' s mixture function is to channel 6 and 4.
- ⑤ Helicopter' s channel 3' s mixture function is only to channel 6.
- ⑥ Channel 1 to 6's reverse switch.

Low voltage sound-and-light hint: When the battery voltage is below 8.8V, the power indicator light 1S/1S glitters and buzzes. And when the battery voltage is below 8.3V, the power indicator light 0.5S/0.5S glitters and buzzes at the same time.

FT06B FUNCTION INTRODUCTION₄ channels

This model is a popular model with 4 channels.It is mainly used for airplane or helicopter with mixture functions.

The main functions are as follows:

- ◇ Standard 4 channel functions
- ◇ V-TAIL' s mixture functions of channel 4 and 2
- ◇ Channel 1 to 4' s reverse switch

Low voltage sound-and-light hint: When the battery voltage is below 8.8V, the power indicator light 1S/1S glitters and buzzes. And when the battery pressure is below 8.3V, the power indicator light 0.5S/0.5S glitters and buzzes at the same time.

FT06C FUNCTION INTRODUCTION₆ channels

This model has the functions of CCPM helicopter、 ordinary helicopter and ordinary airplane ,but emphazezes on helicopter.

The main functions are as follows:

- ◇ Ordinary 6 channel airplane function
- ◇ Ordinary helicopter mixture function
- ◇ CCPM helicopter mixture function
- ◇ CCPM's 1、 2、 6 mixture reverse function
- ◇ CCPM function of flying in reverse (5 channel switch control)
- ◇ Channel 1 to 6's reverse switch

Low voltage sound-and-light hint: When the battery voltage is below 8.8V, the power indicator light 1S/1S glitters and buzzes. And when the battery voltage is below 8.3V, the power indicator light 0.5S/0.5S glitters and buzzes at the same time.