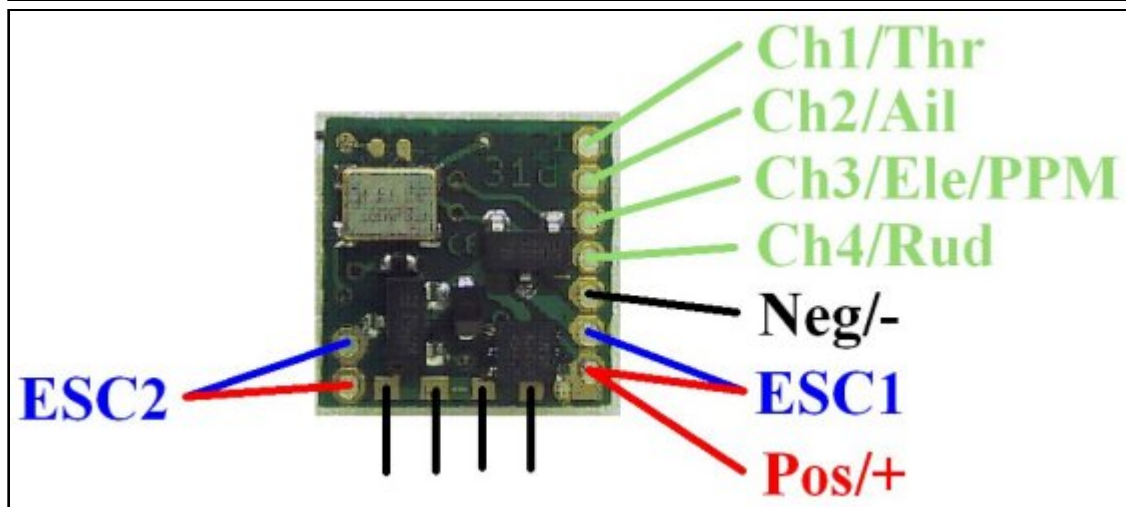
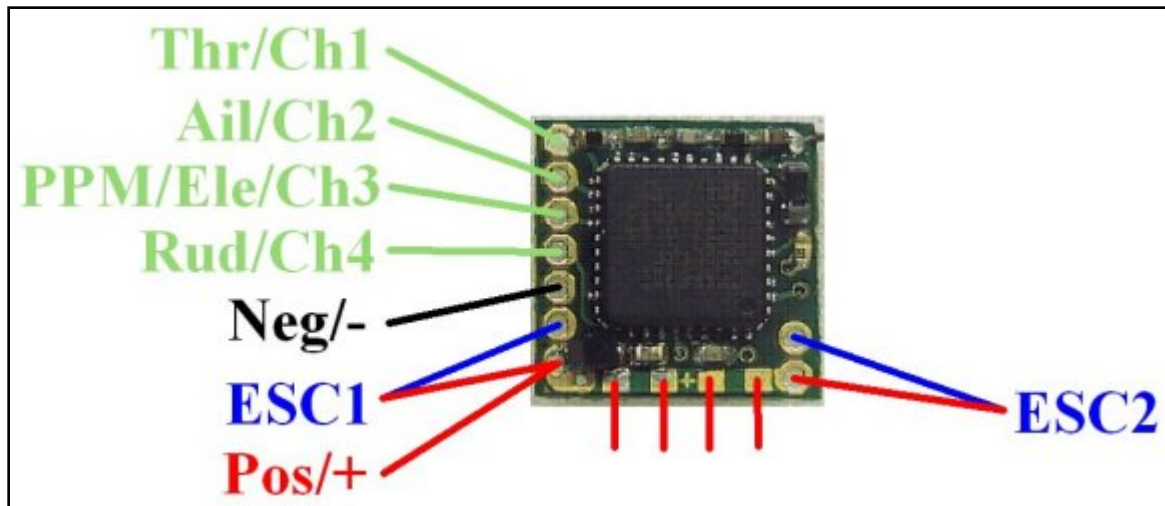


DT Receiver - Rx31d Instructions - v3.4.3



PRODUCT: [Rx31d](#)

VERSION: 3.4.3

1. GENERAL:

3-6v may be connected with correct orientation to +/- points.
The Rx is not insulated so take care to avoid short circuits.
The PCB is thin so do not bend it or exert great force on it.

2. LED:

Led On = perfect reception (real-time indicator).
1 flash = Scanning (~2sec between flashes; wrong model if never stops).

2 flash = Brownout (receiver voltage went too low; check battery/servo load).

3. FAILSAFE:

Outputs are not driven (do nothing) on startup and while scanning.

Outputs 'hold' on short signal losses (<1sec) and then do nothing (>1s).

4. BINDING:

1. Switch Rx on and wait ~20s until led flickers fast.

2. Switch Tx on in bind mode and Rx led should flash slowly and then go solid.

3. Change distance between Tx/Rx if binding does not work.

5.1 'SERVO' OUTPUTS:

Pads 1-4 will normally be used for servos or an external ESC on Pad1 (default)

Pad 3 can be set to [Sum-PPM](#) for quadcopter type models.

Pad 4 can be set to drive a second external ESC for 'dual-brushless' (see 5.3).

5.2 BRUSHED ESC's:

Set Ch1/Throttle throws to 100%.

Close throttle to arm the ESC's.

Differential thrust steering mix can be enabled by setting 'mix' to 12.5-100% (0%=disabled).

A 3.0v LVC is enabled by default.

The ESC will rearm if the throttle is closed briefly.

The led will have a 2-flash if LVC is triggered.

5.3 'DUAL BRUSHLESS':

Pads 1 and 4 can drive two external ESC's (eg: brushless) with steering mix. This feature is programmed with Options 3 and 4 both set to 2 flashes.

6.1 PROGRAMMING:



Step 1/2



Step 3/4/5



Step 6/7/8

Various settings can be changed over radio link as follows:

1. Switch the Tx on (throws 100%, trims roughly centered and Ch3/Elevator not reversed).

2. 'Pinch' both left/right sticks in towards middle of Tx (use a rubber band).

3. Switch Rx on and wait for the Led to flicker very fast.

4. Release all sticks (all Tx sticks to center).

5. The led flashes the first programmable item.

6. To accept an option ('yes'), push the Elevator stick forward (to top of Tx).

7. To reject an option ('no'/ 'next'), pull the Elevator stick back (to bottom of Tx).

8. Continue through all options until Led comes on solid.
 9. Settings are saved automatically at the end so switch off at any time to abort.
 10. Say 'yes' to every item to just see what is currently set.
-

6.2 PROGRAM OPTIONS / NUMBER OF FLASHES:

Option 1: Steering Mix %

- 1 = 0% **(Default)**
- 2 = 12.5%
- 3 = 25%
- 4 = 50%
- 5 = 100%

Use 'Travel Adjust' in the Transmitter to fine-tune steering sensitivity.

Option 2: Steering channel (for mix)

- 1 = Ch4/Rudder
- 2 = Ch2/Aileron **(Default)**

Option 3: Pad 1 output ('brushless 1')

- 1 = Normal Ch1/Throttle **(Default)**
- 2 = Throttle + Steering mix

Option 4: Pad 4 output ('brushless 2')

- 1 = Normal Ch4/Rudder output **(Default)**
- 2 = Throttle + Steering mix

Option 5: Low Voltage Cutoff (brushed ESC's only)

- 1 = Disabled
- 2 = Enabled **(Default)**

Option 6: Servo/Sum-PPM outputs

- 1 = Sum-PPM on Pin3
- 2 = Normal Servo outputs on all pads **(Default)**

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