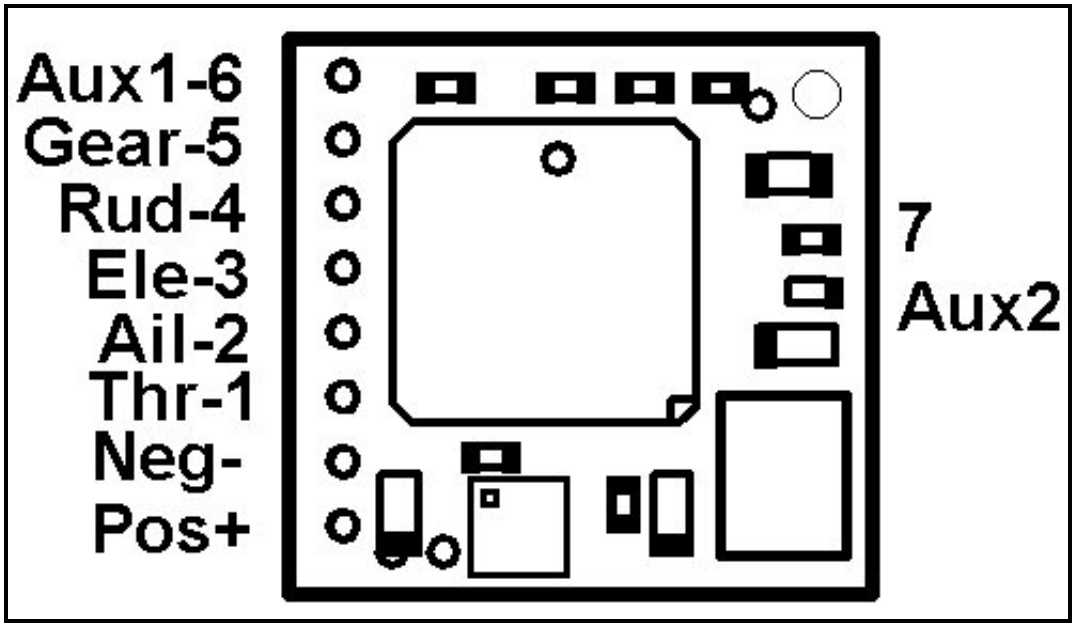
Translate

DT Receiver - Rx32d Instructions - v3.4.x



PRODUCT: Rx32d
VERSION: 3.4.x

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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).

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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 1-7 will normally be used for servos or an external ESC on Pad1 (default)
Pad 3 can be set to Sum-PPM or Serial for quadcopter type models.
Pad 7 can be set to drive a second external ESC for 'dual-brushless' (see 5.4).

5.2 BRUSHED ESC's (if fitted):
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).

5.3 LOW VOLTAGE CUTOFF:
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.

5.4 'DUAL BRUSHLESS':
Pads 1 and 7 can drive two external ESC's (eg: brushless) with steering mix. This feature is programmed with Levels 3 and 4 both set to 2 flashes.

6.1 PROGRAMMING:

Step 2

Step 3

Steps 4-8

1. Switch Transmitter on.
2. Hold left/right sticks (Ch2/4) in towards middle of Tx.
3. Switch Receiver on and wait for the Led to flicker very fast.
4. Center all sticks.
5. The led flashes the setting for the first 'Level' (eg: 1-flash = 0% mix, 2-flash = 12.5% mix).
6. **Yes** = push the Ch3 (Elevator) stick forward (to top of Tx) to accept this and advance to next Level.
7. **No** = pull the Ch3 (Elevator) stick back (to bottom of Tx) to see next option for same Level.
8. Continue through all Levels 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.

Enable twin-steer:

Level 1: 1-flash NO, 2-flash NO, 3-flash YES = Option 3 (25%) & move to next level

Level 2-6: YES to all.

6.2 PROGRAM LEVELS / NUMBER OF FLASHES:

Level 1: Steering Mix %
1 = 0% **(Default)**
2 = 12.5%
3 = 25%
4 = 50%
5 = 100%

Level 2: Steering channel (for mix)
1 = Ch4/Rudder
2 = Ch2/Aileron **(Default)**

Level 3: Pad 1 output ('brushless 1')
1 = Normal Ch1/Throttle **(Default)**
2 = Throttle + Steering mix

Level 4: Pad 7 output ('brushless 2')
1 = Normal Ch7/Aux2 output **(Default)**

2 = Throttle + Steering mix

Level 5: Low Voltage Cutoff (brushed ESC's only)
1 = Disabled
2 = Enabled **(Default)**

Level 6: Servo/Sum-PPM outputs
1 = Sum-PPM on Pin3
2 = Serial on Pin3
3 = Servo outputs on all pads **(Default)**

6.3 SUM-PPM EXAMPLE

Level1 1-flash
Elevator up/forward = yes/next level

Level2 2-flash
Elevator up/forward

Level3 1-flash
Elevator up/forward

Level4 1-flash
Elevator up/forward

Level5 2-flash
Elevator up/forward

Level6 3-flash (servo)
Elevator down (bottom) = no/next option/same level
Level6 1-flash (sumppm)
Elevator up/forward=yes

Led on solid = complete

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