

Ma-RX42-X V2 Series RX Manual

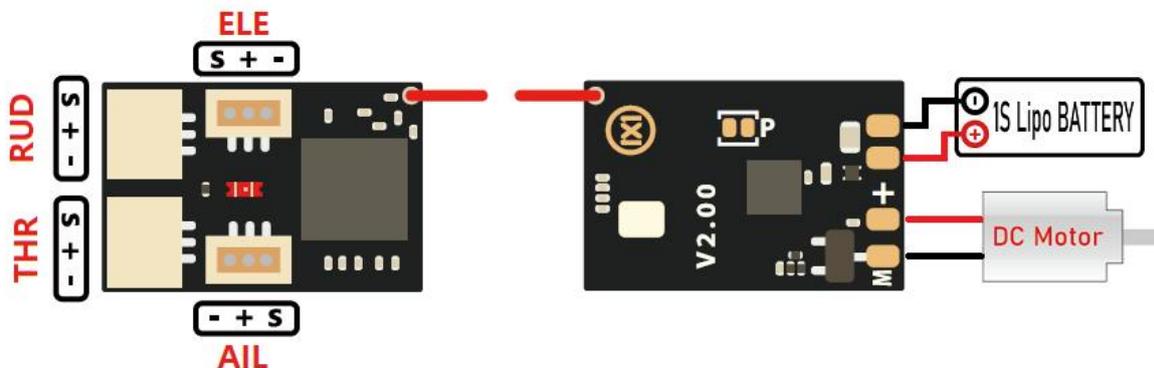
Thanks for using CROSSOVER-RX receivers, please read the manual carefully before use!

Ma-RX42-X V2.0 series receivers are upgraded from last generation(2016), V2 version is smaller and more stable. and a new version that supports telem functionality has been added. It still offers 4 independent output interfaces and a built-in 5A/1S with brush edge. A total of 10 models are currently available.

Features:

- Ultra-small size : 18.5*12.0*6.5mm(not including antenna)
- Super light weight : 0.9g(including antenna)
- Power supply : 3.0~5.0V ;
- Built-in 5A/1S brushed ESC (with start-up lock) ;
- Support external brushed or brushless ESC ;
- Support for brushless EBC with power supply of 2S or more(5V required by BEC output);
- Optimize the software for the binding part(DSMX/2);
- Auto Binding;
- Supports TELEM function(only advanced version);
- 1.0mm 3P servo connectors;

Interface:



Built-in brushed ESC start-up locking function:

The built-in brushed ESC start-up locking function is to prevent the brushmotor from starting incorrectly. With this function added, the brushmotor does not start when the receiver is powered on and does not change the throttle lever position on the radiol. After the receiver is powered on and the receiver receives a signal, when the throttle lever on the radio is first held at the lowest position for about 2 seconds (at this time the LED on the receiver darkens by about 2S and then lights up), the built-in brushed ESC start-up lock is released, and then the throttle lever can be pushed to start the brush motor.

Auto-Binding:

In order to solve the problem that the receiver cannot be pressed to the binding switch after it is installed inside the aircraft, we have developed the automatic binding function. When the receiver does not receive a signal within 15 seconds of powering up, the receiver automatically enters binding mode (the LED on the receiver is changed from

slow to flash), and then completes the binding according to the binding operation of the radio.

TELEM Function(only D+, F2+, A2+, H+ version support) :

Telem function is useful on monitoring battery voltage, receiver working voltage and its signal strength as well as its working temperature in real time, through which customer can get working state of receiver and battery discharging state under control, so flying out of control range and over discharging will rarely happen (for brushless motor rotation speed or flight height monitoring, customer needs to choose a more advanced receiver).

NOTE: The effective control range of Telem function depends on transmitter, it is possible that this would happen: the working range of the receiver is far more than Telem function effective range, it is normal and alright !

If you need a version with built-in 5A/1S brushless ESC, please look for Ma-RX42E-X.

If you need a version with built-in SR3X system (flight stability system) and dual brushed ESCs, please look for AR3201G-X.

Product Versions :

| | Model | Compatible Protocols | Brushed ESC (5A/1S) | TELEM |
|------------------|-------------|----------------------|---------------------|-------|
| Base Version | Ma-RX42-D | DSMX/2 | ✓ | ✗ |
| | Ma-RX42-S | SFHSS | ✓ | ✗ |
| | Ma-RX42-F1 | FRSKY-D8 | ✓ | ✗ |
| | Ma-RX42-F2 | FRSKY-D16 | ✓ | ✗ |
| | Ma-RX42-A2 | AFHDS-2A | ✓ | ✗ |
| | Ma-RX42-H | HOTT | ✓ | ✗ |
| | | | | |
| Advanced Version | Ma-RX42-D+ | DSMX/2 | ✓ | ✓ |
| | Ma-RX42-F2+ | FRSKY-D16 | ✓ | ✓ |
| | Ma-RX42-A2+ | AFHDS-2A | ✓ | ✓ |
| | Ma-RX42-H+ | HOTT | ✓ | ✓ |

If you have any feedback or suggestions, please contact us!

Web: www.crossover-rx.com

Email: info@crossover-rx.com