



Thank you for choosing AEORC ultra-micro receiver, this receiver integrates 5A/1S brushed ESC, with 2CH electromagnetic servo control function, and with 5CH PWM signal output function, please read this document carefully before use.

### Version selection

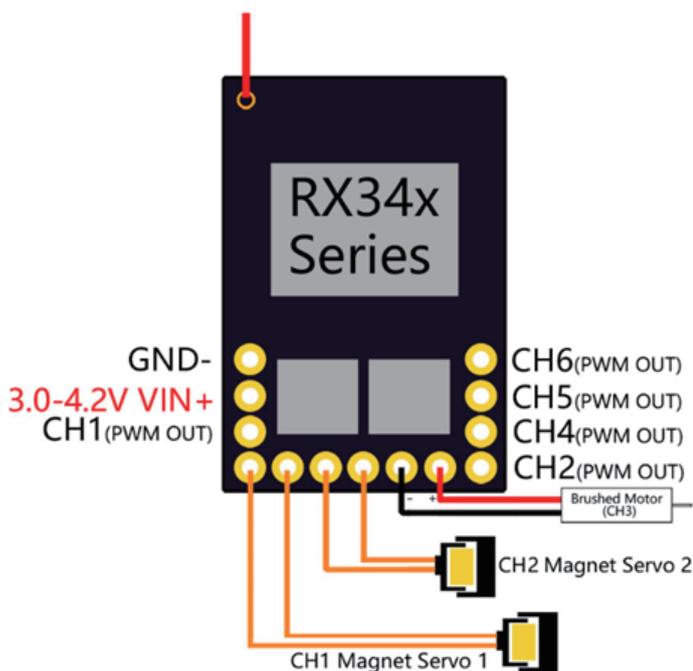
For RX34x series, now we have below 8 versions for choice, please understand the corresponding basic functions according to the product you purchased.

	Protocol	5A/1S Brushed ESC	2CH electromagnetic servo control	TELEM
RX342	S-FHSS	√	√	
RX344	DSMX/2	√	√	
RX345	FRSKY-D16	√	√	
RX346	Flysky (AFHDA-2A)	√	√	
RX347	FRSKY-D8	√	√	
RX344-T	DSMX/2	√	√	√
RX345-T	FRSKY-D16	√	√	√
RX346-T	Flysky (AFHDA-2A)	√	√	√

### Basic Data

Size: 16\*10\*2.5mm  
Weight: 0.5g  
Working voltage: 3.0-4.2V  
Built-in 2CH electromagnetic servo driver (512 class resolution)

### Interface Definition





### Combine receiver and transmitter

1. Turn on the transmitter and power the receiver. At this time, the receiver is in the state of confirming the transmitter signal, and the LED light flashes slowly.
2. If the transmitter signal cannot be confirmed within 15 seconds, then enter the automatic frequency matching mode, the receiver starts to search for the signal and perform frequency matching, and the LED light flashes quickly.
3. If the frequency matching is successful, according to different types of remote transmitters, there will be a variety of different LED light feedbacks, including but not limited to the following three LED light flashing methods. Please confirm according to the actual remote control whether the frequency matching is successful or not.

S-FHSS  Frksy  DSMX 

### How to use ESC

Connect the positive pole of the brushed motor to "M+" and the negative pole to "M-" to replace the throttle channel, as picture 1.1.

The integrated brushed ESC has the lock function of preventing accidental touch. After the receiver is powered on, the throttle channel remains at the lowest position for more than 2 seconds, then this function can be canceled and the brushed ESC can be used normally.

### Connection for 2CH electromagnetic servo and PWM signal servo

Electromagnetic servo connection:

Connect the positive pole to "CH1 Magnet Servo 1" and the negative pole to "CH2 Magnet Servo 2", and set up the servo's positive inversion with transmitter. Then you can control the electromagnetic servo after combining transmitter.

PWM signal servo connection:

The most frequently used servo is PWM mode, so please confirm the voltage range of servos.

Connect the negative/positive/signal (black/red/white) three wires to GND/ VIN / CH1-CH6" respectively, then you can control the servo after combining.

### TELEM Function Introduction

Firstly, you need a remote control with TELEM to use this TELEM function.

This function could realize real-time monitoring to battery voltage, receiver voltage, receiver signal strength and receiver operating temperature, allowing users to master the working status of receiver and battery in real time to avoid unexpected situations in flight.