

ELRS-390M-MINI RX

Instruction manual

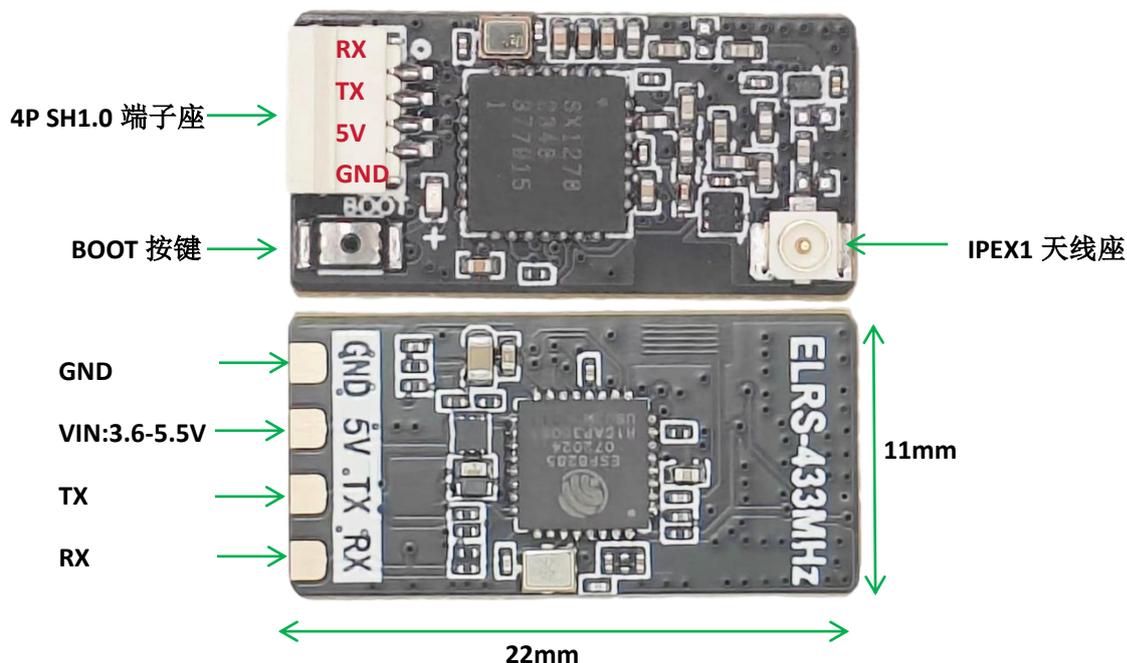


Welcome to ExpressLR

1、Hardware description

Motherboard hardware description

ESP8285+SX1278(默认 100mw 回传)



2、500M receiver parameters

Model:	ELRS-390M-MINI
Name :	ExpressLRS Receiver frequency:390Mhz
antenna:	T-shaped
chip:	SX1278+ESP8285
color:	black
Backhaul power:	100mW
Input voltage:	3.6V-5.5V
Antenna connectors:	IPEX1
weight:	0.8g(Receiver only)
size:	11mm*22mm

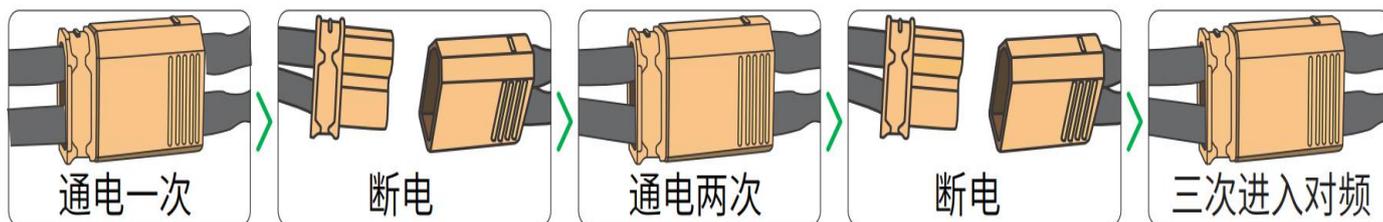
3、 Transmitter compatibility

This receiver can be used to frequency different brands of high frequency heads. The ELRS project is an open source project, so as long as the high-frequency headers of the ELRS protocol are used, regardless of the brand, they can be linked to each other, but three conditions must be met:

1. The frequency should be the same, the same is 2.4G or the same 300Mhz, etc
2. There are three types of firmware version certification standards: AU, EU, and FCC. To be consistent, for example, the high-frequency head flashes the FCC 3.0.0 firmware, then the receiver should also flash the FCC 3.0.0 firmware or above;
3. None of them have a linking password, or they all have the same password.

4、 Linking mode

4.1 After welding the receiver, quickly energize the aircraft three times, that is, ~ unplug the power immediately after powering on - unplug the power immediately - power on does not pull out; The interval is within 1.5 seconds, so that, if done correctly, the receiver's light flashes rapidly twice in a cycle, indicating that it is in the binding. At this time, press the bind button of the remote control script to bind. When the linking is successful, the receiver light turns solid.



4.2 The receiver can't enter the band state for the first time, and the light is always on. Generally, the TXRX port of some flight controllers is abnormal, causing the receiver to enter boot flashing mode when it is powered on, and only a TX RX on the flight controller needs to be changed at this time.

4.3 Why does my receiver light keep flashing? When you turn on the power, you have not entered the linking state, or the remote control receiver has no signal for 60 seconds, it will automatically enter the WIFI flashing mode, and the indicator light flashes quickly.

4.4 How to enter the wifi flashing mode to flash the firmware of the receiver? Regardless of it when it is powered on, it will enter the WIFI flashing mode in about 60 seconds, and the light will flash quickly.

5、 WiFi flashing instructions

<https://www.expresslrs.org/software/updating/wifi-updating/#method-1-hotspot>

BelinRC series receivers, is based on ExpressLRS open source architecture and programs, the receiver uses low latency and high refresh rate RF chip, 25Hz-500Hz high refresh rate, very suitable for FPV competition and long-range FPV. At the same time, these receivers have ultra-light and ultra-small dimensions, which are easier to install and more concise aircraft.

Indicator Status: Double Flash: Code Mode

Slow flashing: No transmitting signal is received

Solid: The transmit signal is received