Aeris Link Micro
ExpressLRS 2.4G/915M

www.emaxmodel.com
www.emax-usa.com

Thanks for purchasing Aeris Link ExpressLRS 2.4G/915M,

Please follow the instruction manual to assemble and configure your product.

Disclaimer

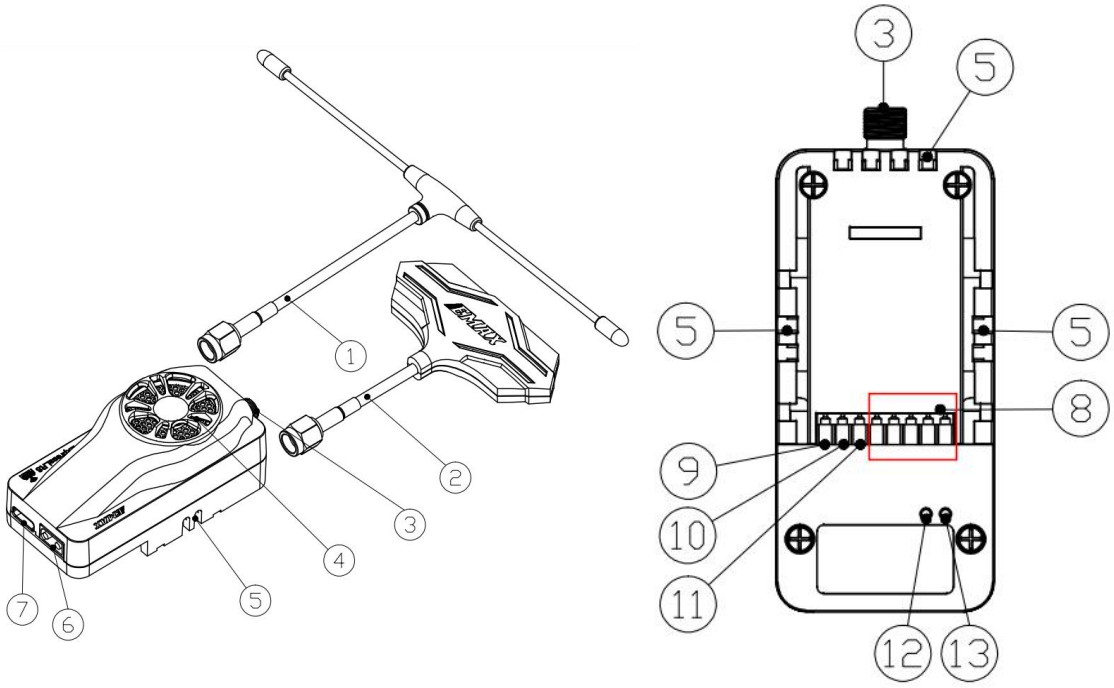
Before using this product, users are advised to carefully read this disclaimer. By using this product, it is deemed that the user fully acknowledges and accepts all the contents of this disclaimer. Individuals under the age of 18 are not suitable to use this product.

The Aeris Link Micro ExpressLRS 2.4G/915M high-frequency module is a new generation remote control wireless system developed based on the open-source project ExpressLRS. The ExpressLRS system features long-range remote control, stable connection, low latency, high refresh rate, and flexible configuration. When using this product, please carefully read the user manual and follow the instructions. Ensure that the power supply system is in good condition and the operations are correct. In the event of personal injury, property damage (direct or indirect), our company will not assume any civil or legal liability.

Safety Precautions

1. Please assemble and operate this product correctly following the instructions provided.
2. Avoid dropping or impacting the product to prevent malfunctions.
3. Do not block the ventilation openings to prevent overheating.
4. If you experience any discomfort during use, stop using the product immediately and resume use only with the permission of a doctor.
5. Do not use this product while under the influence of alcohol, drugs, medication that causes drowsiness, or in a weakened or mentally impaired state.
6. Do not disassemble, modify, or use other parts and accessories beyond the recommended configurations.
7. Avoid using a damaged high-frequency module to prevent short circuits or fires.
8. Do not immerse the product in water.
9. Do not use this product in harsh environmental conditions such as strong winds, rainy days, lightning, or snow.
10. Avoid using this product in environments with strong electromagnetic interference.

1.Description



1. 915M-T Type Antenna
2. 2.4G-T Type Antenna
3. Antenna Interfaces : 915M Version: SMA-KY external thread with female connector

   2.4G Version: RP-SMA-KY external thread with male connector
4. RGB LED Lights / Fan Ventilation / Heat Dissipation Port
5. Ventilation Port
6. Power (XT30) Interface
7. Type-C Interface
8. NC
9. CRSF
10. GND
11. 5-21V
12. Reset button
13. Flash button

2.Operation Instructions

1. Using the OpenTX remote control system as an example, start by selecting "MODEL" from the main menu.
2. Once in the "MODEL" menu, navigate to the "TOOLS" interface.
3. Within the "TOOLS" interface, locate and select "ExpressLRS" to enter the information screen related to ExpressLRS configuration.

Weight	Parameter	Illustrate
1.Packet Rate：	50hz (Purple light) 100hz FULL (Purple light) 150hz (Deep blue light) 250hz (Light blue light) 333hz FULL (Light blue light) 500hz (Blue-green light) D250hz (Green light) D500hz (Yellow-green light) F500hz (Orange light) F1000hz (Orange light)	**2.4G Version:** The refresh rate can be adjusted to change the color of the LED lights and fan. The default setting is 250hz (blue light). (It is recommended to use firmware version 2.7.1 or higher to run the F1000Hz mode.)
	25hz (Purple light) 50hz (Blue light) 100hz (Blue-green light) 100hz Full (Yellow-green light) 200hz (Red light)	**915M Version:** The refresh rate can be adjusted to change the color of the LED lights and fan. The default setting is 50hz (blue light).
2.Telem Ratio：	Std OFF 1：128 1：64 1：32 1：16 1：8 1：4 1：2 Race	Default setting is "Std" (1:128)
3.Switch Mode：	Wide Hybrid	2.4G Version, default setting is "Wide.
	8ch 16ch Rate 12ch Mixed	915M Version：

		Default Wide
4.Model Match：	OFF(ID:0) On (ID:0)	Default OFF(ID:0)
5.TX Power		
Max Power：	10mW 25mW 50mW 100mW 250mW 500mW 1000mW	**2.4G Version:** the maximum power is 1W, and it can be adjusted based on actual needs. The default power setting is 10mW.
	10mW 25mW 50mW 100mW 250mW 500mW 1000mW 2000mW	**For the 915M Version:** the maximum power is 2W, and it can be adjusted based on actual needs. The default power setting is 10mW.
Dynamic：	OFF Dyn AUX9 AUX10 AUX11 AUX12	Default OFF
Fan Thresh：	10mW 25mW 50mW 100mW 250mW 500mW 1000mW 2000mW Never	The fan starts corresponding to the power switch and can be adjusted according to actual needs. The fan starts by default at 10mW.
6.VIX Administrator		
Band：	OFF A B E F R L	Default OFF
Channel：	1 2 3 4 5 6 7 8	Default 1
Pwr Lvl ：	(- 1 2 3 4 5 6 7 8)	Default -
Pitmode：	OFF On AUX1↑ AUX1↓ AUX2↑ AUX2↓ AUX3↑ AUX3↓ AUX4↑ AUX4↓ AUX5↑ AUX5↓ AUX6↑ AUX6↓ AUX7↑ AUX7↓ AUX8↑ AUX8↓ AUX9↑ AUX9↓ AUX10↑ AUX10↓	DefaultOFF
Send VTx		
7.WiFi Connectivity		The high-frequency module has enabled WiFi functionality for firmware updates. : http://10.0.0.1
Enable WiFi		P/#expresslrs
Enable Rx WiFi		
Enable Backpack WiFi		

Enable VRx WiFi		
8.Backpack		
DVR Rec:	OFF AUX1↑ AUX1↓ AUX2↑ AUX2↓ AUX3↑ AUX3↓ AUX4↑ AUX4↓ AUX5↑ AUX5↓ AUX6↑ AUX6↓ AUX7↑ AUX7↓ AUX8↑ AUX8↓ AUX9↑ AUX9↓ AUX10↑ AUX10↓	Default OFF
DVR Srt Dly:	0s 5s 15s 30s 45s 1min 2min	0s
DVR Stp Dly:	0s 5s 15s 30s 45s 1min 2min	0s
9.BLE Joystick		
10.Bind	The high-frequency module enters the binding state. Note: When the high-frequency module enters the binding state, there will be no light flashing or other visual indications. After 5 seconds, the module will automatically exit the binding state. Note: If you have updated the firmware of the high-frequency module and configured a binding password (Binding Phrase), you won't be able to enter the binding state using the previous method. In this case, please set the receiver with the same binding password, and module and receiver will automatically establish a binding connection.	
Version	V3.0	

Warning:

1. Before powering on this product, please ensure that the matching antenna is properly installed. Failure to do so may result in damage to the chip!
2. When operating this product at high power output, please use an external power source. Failure to do so may lead to insufficient power supply for the remote control!

Product Specifications:

Weight	Approximately 39g (excluding antenna)
Dimensions	72 x 32 x 32mm (excluding antenna)
Operating Frequency	2.4G Version: 2.4GHz ISM. 915M/868M Version: 915MHz FCC/868MHz EU
Output Power	10mW (default) 2.4G Version: Supports adjustable power levels of 25mW/50mW/100mW/250mW/500mW/1000mW. 915M Version: Supports adjustable power levels of 25mW/50mW/100mW/250mW/500mW/1000mW/2000mW
Refresh Rate	2.4G Version: 50hz, 100hz FULL, 150hz, 250hz, 333hz FULL, 500hz, D250hz, D500hz, F500hz, F1000hz. 915M Version: 25hz, 50hz, 100hz, 100hz Full, 200hz
Antenna	2.4G Version: Comes with a built-in gain T-shaped antenna, and can also use other antennas with RP-SMA-J internal thread and female connector. 915M Version: Comes with a built-in gain T-shaped antenna, and can also use other antennas with SMA-J internal thread and male connector.
Configuration	Supports Crossfire serial data protocol (CRSF) signal and uses LUA scripts to control the high-frequency module. Compatible with OpenTX remote controllers.
Interface	Type-C interface.
External Power	XT30 interface (supports voltage input of 5-21V, recommended to use 2S (8.4V))

Product List:

2.4G Version:

Eris Link Micro ExpressLRS 2.4G (Complete set)..... .....X1

2.4G-T Type Antenna.....X1

Product Introduction Manual/Website Card.....X1

915M Version:

Eris Link Micro ExpressLRS 915M (Complete set) X1

915M-T Type Antenna.....X1

Product Introduction Manual/Website Card.....X1

Regarding the disposal of the product:

This product (plastic casing with printed circuit board inside) should be disposed of following the local residential waste disposal regulations. Please adhere to the guidelines provided by your local authorities for proper waste disposal. Avoid disposing of electronic products with regular household waste, as they may contain hazardous materials that can harm the environment if not handled correctly. Instead, look for designated electronic waste recycling facilities or collection points in your area to ensure responsible and environmentally friendly disposal.

Thanks for choosing EMAX products!

Reminder:

1. Avoid prolonged usage to prevent discomfort. If you experience any discomfort while using the product, stop using it immediately, and continue only after getting approval from a doctor. This product is not suitable for individuals under the age of 18.

2. Before powering on the product, ensure that the matching antenna is properly installed to avoid damaging the chip.

3. When operating the product at high power output, use an external power source to prevent inadequate power supply to the remote controller.

4.When changing the power, please follow the relevant local laws and regulations!

www.emaxmodel.com
www.emax-usa.com