

FD-915TX

ELRS 915MHz ExpressLRS Transmitter Module 1W with T-type Antenna, WIFI Upgradable for RC FPV Traversing Drones Parts

User Manual



rev: 260428
Made in Taiwan

TABLE OF CONTENT

INTRODUCTION.....	1
PACKAGE CONTENTS	1
FEATURES.....	1
PIIn description	2
Configured Hardware Options	3
WARRANTY	6

INTRODUCTION

The **FD-915TX ELRS 915MHz ExpressLRS Transmitter Module 1W with T-type Antenna, WIFI Upgradable for RC FPV Traversing Drones Parts** is a long-range transmitter module developed based on the open-source ExpressLRS protocol, supporting from 868MHz to 915MHz frequency bands. It features maximum 1W RF output power, offering ultra-long range, stable link performance, and ultra-low latency, providing a professional-grade control experience for FPV and long-range RC applications.

The module is compatible with most transmitters running OpenTX or EdgeTX, and is especially well-suited for the Radiomaster TX16S and Jumper T12/T16/T18 series transmitters. With true plug-and-play functionality, setup is quick and easy — simply insert the module into the JR-type bay and select the CRSF protocol in your radio's RF settings.

Built-in WiFi upgrade support allows convenient firmware updates and configuration through the web interface.

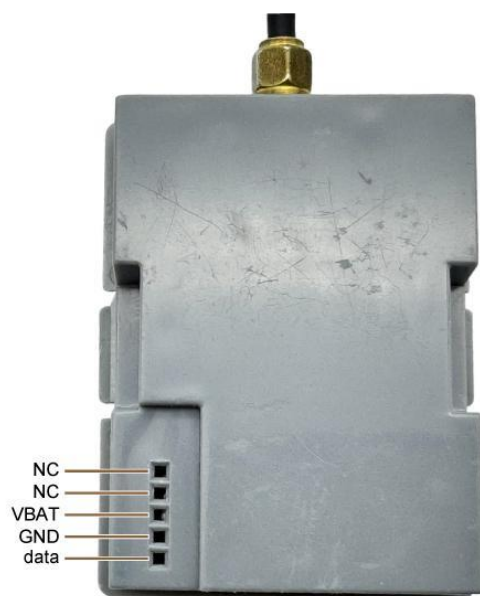
PACKAGE CONTENTS

- 1x FD-915TX
- 1x FPV T-shaped antenna

FEATURES

- RF Frequency: 915/868Mhz
- Packet refresh rate: 25Hz, 50Hz, 100Hz, 200Hz
- RF output power: 100mW, 250mW, 500mW, 1W
- Frequency bands: 915MHz FCC, 915Mhz AU, 868MHz EU
- Input Power: 4-30V
- Heat sink: Not included
- Backpack Function: support
- Dimension: 56x40mm
- Weight: ??

PIN DESCRIPTION



CONFIGURED HARDWARE OPTIONS

Configured through the Web interface

1. Steps to Access the Web Configuration Interface

- (1) Turn on the RC transmitter power.
- (2) Enable the ExpressLRS WiFi mode on your RC transmitter according to the RF remote setting.
- (3) Turn on your computer's Wi-Fi.
Make sure the wireless adapter is enabled.
- (4) Wait for the list of available networks to appear.
The system will automatically scan for nearby Wi-Fi networks.
- (5) Look for a network named "**ExpressLRS TX**".
It may take a few seconds to appear.
- (6) Click on ExpressLRS RX and enter the password "**expresslrs**" to connect.
- (7) Once connected, open a web browser and go to "**http://10.0.0.1**".
This will open the ExpressLRS configuration page.

2. Web Interface Overview

(1) OPTIONS

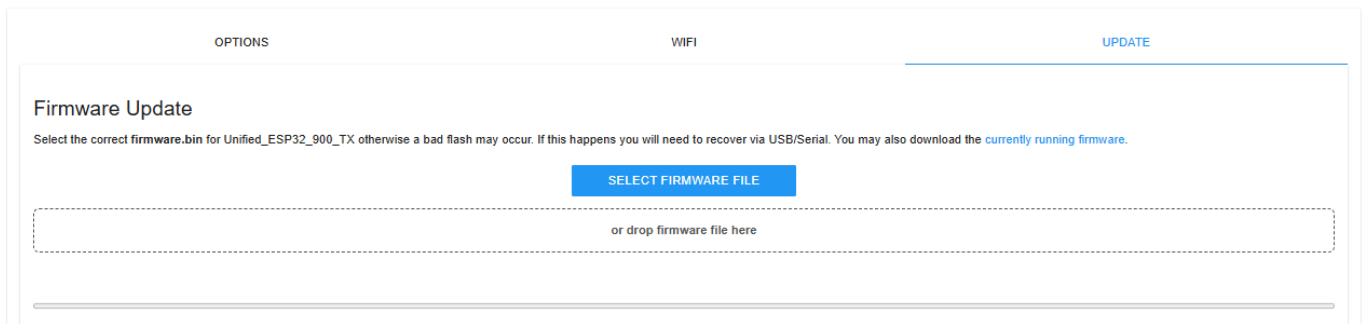
The screenshot shows the 'Options' page of the ExpressLRS web interface. At the top, there are three tabs: 'OPTIONS' (selected), 'WIFI', and 'UPDATE'. Below the tabs, the page is titled 'Runtime Options'. A note states: 'This form overrides the options provided when the firmware was flashed. These changes will persist across reboots, but will be reset when the firmware is reflashed. Note: The Binding phrase is not remembered, it is a temporary field used to generate the binding UID.' The form contains several input fields: 'Binding Phrase' (with a 'Binding Phrase' label above it), 'Regulatory domain' (set to 'FCC915'), 'WiFi "auto on" interval in seconds (leave blank to disable)' (set to '60'), 'TLM report interval (ms)' (set to '240'), and 'Fan runtime (s)' (set to '30'). There are also checkboxes for 'Unlock higher power' (checked) and 'Use as AirPort Serial device' (unchecked), and an 'AirPort UART baud' field set to '460800'. A 'SAVE' button is at the bottom. Below the 'Runtime Options' section is an 'Import/Export' section with 'SAVE MODEL CONFIGURATION FILE' and 'UPLOAD MODEL CONFIGURATION FILE' buttons.

- Runtime Options
This page allows you to override certain settings provided during the firmware flash. These changes will persist across reboots but will be reset when the firmware is reflashed.
 - Binding Phrase/ Binding UID
 - Enter a custom phrase (any combination of letters and numbers) in the "Binding Phrase" input field.
 - The system will generate a Binding UID
 - Regulatory domain
Click on the "Regulatory domain" field to open a dropdown menu(AU915 · FCC915 · EU868 ·

Clear all saved WiFi settings. The device will always start in AP mode.

- WiFi SSID
Enter the name of your WiFi network.
- WiFi password
Enter the password for the network.
- "CONFIRM" button
Click the "CONFIRM" button to apply the selected WiFi mode and credentials.

(3) UPDATE



The screenshot shows a web interface with three tabs: "OPTIONS", "WIFI", and "UPDATE". The "UPDATE" tab is active. Below the tabs, the heading "Firmware Update" is displayed. A warning message reads: "Select the correct firmware.bin for Unified_ESP32_900_TX otherwise a bad flash may occur. If this happens you will need to recover via USB/Serial. You may also download the currently running firmware." Below this message is a blue button labeled "SELECT FIRMWARE FILE". Underneath the button is a large dashed rectangular area with the text "or drop firmware file here" centered inside it.

- Firmware Update
Click "SELECT FIRMWARE FILE" to browse and choose the firmware file. Or drag and drop the file into the dotted area.

WARRANTY

The SELLER warrants the **FD-915TX ELRS 915MHz ExpressLRS Transmitter Module 1W with T-type Antenna, WIFI Upgradable for RC FPV Traversing Drones Parts** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surges.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables are limited to a 30 day warranty and cable must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. **Also, the technical information contained herein regarding the FD-915TX features and specifications is subject to change without further notice.**