ARJSTY LA0186

Jumper T14 2.4GHz ELRS Radio Controller

User Manual

1. Introduction

The Jumper T14 is a versatile 2.4GHz ELRS Radio Controller designed for precision control of FPV drones, RC planes, helicopters, and quadcopters. It features high-quality components and an intuitive interface to enhance your remote control experience.
Key features include:

- **CNC Hall Sensor Gimbals:** Equipped with high-quality CNC metal gimbals and hall sensors for ultra-smooth, accurate stick input and long-term durability.
- **Built-in ExpressLRS 2.4GHz Module:** Supports ELRS high-speed, low-latency protocol for stable long-range control.
- **2.42" OLED Display & Scroll Wheel Navigation:** Features a bright, high-contrast screen with intuitive scroll wheel control for quick and user-friendly EdgeTX menu adjustments.
- **Compact and Ergonomic Design:** Gamepad-style layout with rubberized grips ensures comfortable handling for both field flying and simulator sessions.
- **USB-C Charging & External Module Bay:** Includes built-in USB-C charging for convenience, plus a standard JR module bay for added versatility with external RF modules.



Figure 1.1: Front view of the Jumper T14 Radio Controller, showing the OLED screen, gimbals, and control buttons.

2. Setup

2.1 Unboxing and Initial Inspection

Carefully remove the Jumper T14 radio controller from its packaging. Inspect the device for any signs of damage during transit. Ensure all components listed in the packing list are present.

2.2 Battery Installation and Charging

The Jumper T14 requires one nonstandard battery (not included) for operation. Locate the battery compartment on the rear of the controller. Insert the battery according to the polarity indicators. The controller supports USB-C charging.

- Connect a USB-C cable to the charging port on the top of the controller.

- Connect the other end of the cable to a compatible USB power source (e.g., computer, wall adapter).
- The OLED screen or indicator lights will show the charging status.



Figure 2.1: Top view of the Jumper T14, highlighting the USB-C charging port and various switches.



Figure 2.2: Detailed view of the USB-C charging port for convenient power input.

2.3 Powering On and Initial Configuration

Press and hold the power button to turn on the controller. The EdgeTX operating system will boot up. Use the scroll wheel and buttons to navigate the menus and perform initial setup, such as language selection and model creation.



Figure 2.3: The 2.42" OLED display showing the EdgeTX operating system logo upon startup.

3. Operating Instructions

3.1 Gimbal Operation

The Jumper T14 features high-precision CNC Hall Sensor Gimbals. These gimbals provide smooth and accurate control for your aircraft. Familiarize yourself with the movement of each stick:

- **Left Stick (Mode 2):** Controls Throttle (vertical) and Yaw (horizontal).
- **Right Stick (Mode 2):** Controls Pitch (vertical) and Roll (horizontal).

Figure 3.1: Detailed view of one of the CNC Hall Sensor Gimbals, engineered for precise control.



Figure 3.2: Illustration comparing the precision and build of the VS-M CNC Hall Sensor Gimbals (T14) with standard Hall Sensor Gimbals.

3.2 External Module Bay

The Jumper T14 includes a standard JR module bay on the rear, allowing for the use of external RF modules. This expands the controller's compatibility with various protocols beyond the built-in ExpressLRS module.

- To install an external module, align it with the pins in the JR module bay and gently push until it clicks into place.
- Refer to the external module's manual for specific setup and binding procedures.



Figure 3.3: Rear view of the Jumper T14, highlighting the external module bay for expanded compatibility.



Figure 3.4: Numbered diagram of the rear features: 1. Handle, 2. External Module Bay, 3. Cooling Fan, 4. Battery Compartment.



Figure 3.5: Diagram illustrating the airflow design for efficient cooling of the internal components.

3.3 EdgeTX Navigation

The Jumper T14 runs on the EdgeTX open-source firmware, offering extensive customization and functionality. Use the scroll wheel and surrounding buttons to navigate through menus and adjust settings.

- Rotate the scroll wheel to move through menu options.
- Press the scroll wheel to select an option.
- Use the 'RTN' (Return) button to go back to the previous screen.
- Consult the official EdgeTX documentation for detailed information on advanced features and model setup.



Figure 3.6: Side view of the Jumper T14, highlighting the scroll wheel for intuitive menu navigation.

4. Maintenance

4.1 Cleaning

To maintain the longevity and appearance of your Jumper T14, regularly clean its exterior. Use a soft, dry, lint-free cloth. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals, solvents, or abrasive cleaners.

4.2 Storage

When not in use, store the radio controller in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is charged to approximately 50% to prevent degradation.

4.3 Gimbal Care

The CNC Hall Sensor Gimbals are designed for durability, but proper care is essential. Avoid applying excessive force to the sticks. Keep the gimbal area free from dust and debris. Do not attempt to lubricate the gimbals unless specifically instructed by the manufacturer, as this can attract dirt and affect performance.

5. Troubleshooting

This section provides solutions to common issues you might encounter with your Jumper T14 radio controller.

5.1 Controller Does Not Power On

- **Check Battery:** Ensure the battery is properly installed and sufficiently charged. Connect the controller to a USB-C power source to verify if it powers on while charging.
- **Power Button:** Confirm you are pressing and holding the power button for the required duration (typically a few seconds).

5.2 No Signal or Intermittent Connection

- **Binding:** Ensure the radio controller is correctly bound to your receiver. Re-perform the binding procedure if necessary.
- **Antenna:** Check that the antenna on the controller is properly extended and oriented.
- **Module:** If using an external module, ensure it is securely seated in the JR bay and properly configured in EdgeTX.
- **Interference:** Operate in an area free from significant 2.4GHz interference.

5.3 Gimbals Not Responding Correctly

- **Calibration:** Perform a gimbal calibration through the EdgeTX system menu.
- **Physical Obstruction:** Check for any physical debris or obstruction around the gimbals.
- **Firmware:** Ensure your EdgeTX firmware is up to date.

6. Specifications

Feature	Detail
Brand	ARJSTY
Model Number	LA0186

Feature	Detail
Connectivity Technology	Radio Frequency (2.4GHz ExpressLRS)
Compatible Devices	Drone, RC Plane, Helicopter, Quadcopter
Gimbals	CNC Hall Sensor Gimbals
Display	2.42" OLED Screen
Operating System	EdgeTX
Charging Port	USB-C
External Module Bay	Standard JR Module Bay
Item Weight	14.7 ounces (approx. 416 grams)
Package Dimensions	9.84 x 6.69 x 1.97 inches
Batteries Required	1 Nonstandard Battery (not included)
Country of Origin	China

7. Warranty and Support

Information regarding product warranty and customer support was not available in the provided product data. Please refer to the manufacturer's official website or contact the seller for details on warranty coverage, technical support, and service options for your Jumper T14 radio controller.
Manufacturer: ARJSTY
For further assistance, please visit the ARJSTY store on Amazon:ARJSTY Store

© 2025 ARJSTY. All rights reserved.
This manual is for informational purposes only. Specifications are subject to change without notice.