

ARRIS T14

Jumper T14 2.4GHz ELRS Radio Controller User Manual

Model: T14

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation of your Jumper T14 2.4GHz ELRS Radio Controller. Please read this manual thoroughly before using the device to ensure proper setup, optimal performance, and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY INFORMATION

Always operate the radio controller in a safe and responsible manner. Failure to follow safety guidelines can result in property damage, serious injury, or even death.

- **Environment:** Operate in open areas, away from people, animals, and obstacles. Avoid flying near power lines, roads, or crowded places.
- **Battery Safety:** Use only recommended batteries. Do not overcharge or over-discharge. Store batteries in a fireproof bag.
- **Pre-Flight Checks:** Always perform a thorough pre-flight check of your aircraft and radio controller before each use.
- **Firmware:** Keep your radio controller's firmware updated to the latest stable version for optimal performance and security.
- **Water and Moisture:** Keep the radio controller away from water and high humidity.
- **Children:** This product is not a toy. Keep out of reach of children under 16 years of age. Adult supervision is required for minors.

3. PRODUCT OVERVIEW

The Jumper T14 is a compact and ergonomic 2.4GHz ELRS radio controller designed for FPV drones and other RC applications. It features CNC Hall Gimbals, an OLED screen, and runs on EdgeTX firmware.

3.1. Radio System Components

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Radio System Overview

Radio System Overview



Figure 3.1: Detailed diagram of the Jumper T14 Radio Controller, highlighting key components and controls on the front, back, and side views. This includes switches, dials, gimbals, screen, module compartment, and charging port.

Front Panel:

- **VS-M CNC Hall Gimbals:** High-precision gimbals for smooth control.
- **2.42" OLED Screen:** Clear display for EdgeTX interface.
- **Power Button:** For turning the unit on/off.
- **Switches (2-position, 3-position):** Configurable for various functions.
- **Dials (S1, S2):** Rotary controls for fine adjustments.
- **Trim Buttons:** For adjusting stick trims.
- **SYS Button:** System menu access.
- **PAGE Button:** Page navigation.
- **RTN Button:** Return/back button.
- **Status Indicator Lights:** Provide operational feedback.

Rear Panel:

- **Standard JR Module Compartment:** For external RF modules.
- **External Cooling Fan:** Helps dissipate heat from internal components.
- **Battery Tray:** Houses the battery.

Side/Top Panel:

- **USB-C 10W Fast Charging Port:** For charging and data connection.
- **DFU Button:** Device Firmware Upgrade mode button.
- **Trainer Port:** For connecting to a simulator or another radio.
- **Momentary Switch:** Spring-loaded switch.
- **Latching Switch:** Stays in position until toggled.
- **Adjustable and Foldable Antenna:** For signal transmission.
- **Reserved Antenna DIY Port:** For custom antenna modifications.
- **Foldable Handle:** For portability and comfortable grip.

3.2. Key Features Visuals



Figure 3.2: Front view of the Jumper T14, showcasing the dual gimbals, OLED screen, and various control switches and dials.



Figure 3.3: Rear view of the Jumper T14, showing the JR module bay, cooling fan, and battery compartment cover.



Figure 3.4: Detail of the USB-C port, used for charging the internal battery and connecting to a computer for firmware updates or simulator use.



Figure 3.5: Illustration highlighting the precision CNC Hall Sensor Gimbal, which provide accurate and durable control inputs.



Figure 3.6: Diagram illustrating the internal cooling fan system, designed to maintain optimal operating temperatures for the internal electronics.

Bi-directional foldable antennas

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Reserved antenna modification hole, for personalized use



Figure 3.7: View of the bi-directional foldable antennas, which can be adjusted for optimal signal transmission and folded for compact storage.

4. SETUP

4.1. Battery Installation and Charging

The Jumper T14 uses a rechargeable battery (not specified in input, assuming common RC battery types like 18650 or LiPo). Ensure the battery is fully charged before first use.

1. Open the battery compartment cover on the rear of the radio.
2. Insert the battery, ensuring correct polarity if applicable.
3. Close the battery compartment cover securely.
4. Connect the supplied USB-C cable to the USB-C port on the top of the radio and to a compatible USB power adapter (e.g., 5V/2A).
5. The OLED screen or indicator lights will show charging status. Disconnect once fully charged.

4.2. Initial Power On and EdgeTX Setup

Upon first power-on, the radio will guide you through initial setup steps for the EdgeTX firmware.

1. Press and hold the Power Button until the OLED screen illuminates.
2. Follow the on-screen prompts to calibrate gimbals, set date/time, and configure basic radio settings.

3. Navigate menus using the scroll wheel and SYS/PAGE/RTN buttons.

4.3. ELRS Binding

To bind your Jumper T14 with an ELRS receiver, follow the standard ELRS binding procedure:

1. Ensure your ELRS receiver is powered on and in binding mode (typically by cycling power three times).
2. On the T14, navigate to the ELRS LUA script or the internal module settings within EdgeTX.
3. Select the "Bind" option. The radio will transmit a binding signal.
4. Once the receiver's LED indicates a successful bind (refer to your receiver's manual), the process is complete.

5. OPERATING INSTRUCTIONS

5.1. Basic Controls

- **Gimbals:** Control the primary movements of your aircraft (Throttle, Rudder, Aileron, Elevator).
- **Switches:** Used for arming, flight modes, special functions, etc. Assign functions in EdgeTX.
- **Dials:** Typically used for fine-tuning parameters like camera tilt, gain, or volume.
- **Trim Buttons:** Adjust the neutral position of the gimbals for stable flight.

5.2. Model Setup in EdgeTX

EdgeTX offers extensive customization for different models. Refer to the official EdgeTX documentation for detailed instructions on advanced model setup.

1. From the main screen, press the SYS button to enter the System menu.
2. Navigate to "Model Select" or "Model Setup" to create a new model or edit an existing one.
3. Configure internal or external RF module settings (e.g., ELRS protocol, power output).
4. Set up mixes, inputs, outputs, and special functions according to your aircraft's requirements.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the radio controller. Avoid abrasive cleaners or solvents.
- **Storage:** Store the radio in a cool, dry place, away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.
- **Firmware Updates:** Regularly check for and install the latest EdgeTX firmware updates from the official EdgeTX website (www.edgetx.org) to ensure optimal performance and access to new features.
- **Gimbal Care:** The CNC Hall Gimbals are durable, but avoid excessive force or impact. Keep them free from dust and debris.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Low or dead battery; incorrect battery installation.	Charge the battery; ensure battery is correctly installed with proper polarity.
No signal to receiver.	Not bound; incorrect ELRS settings; antenna issue.	Perform binding procedure; verify ELRS protocol and power settings in EdgeTX; check antenna connection.

Problem	Possible Cause	Solution
Gimbals not responding correctly.	Needs calibration; physical obstruction.	Recalibrate gimbals via EdgeTX system menu; check for debris around gimbals.
Screen is blank or frozen.	Firmware issue; system crash.	Try restarting the radio. If persistent, attempt DFU mode and reflash firmware.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	9 x 6 x 1.5 inches
Item Weight	14.4 ounces
ASIN	B0F9WQSDGF
Manufacturer Recommended Age	16 years and up
Manufacturer	jumper
Gimbals	CNC Hall Sensor Gimbals
RF Module	Built-in 2.4GHz ELRS
Display	2.42" OLED Screen
Firmware	EdgeTX
Charging	USB-C 10W Fast Charging





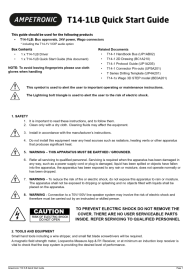
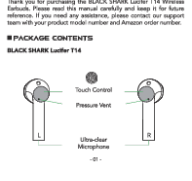
9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ARRIS website or contact their customer service directly. Keep your proof of purchase for warranty claims.

Manufacturer: jumper

Brand: ARRIS

Online Support: Visit the ARRIS official website for FAQs, firmware downloads, and contact information.[ARRIS Store on Amazon](#)

 <p>Headend Optics Platform (CH3000) AT3552H 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter</p> <p>FEATURES</p> <ul style="list-style-type: none"> 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter <p>PRODUCT OVERVIEW</p> <p>The AT3552H is a 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter. It is designed for use in HFC, RFoG, PON, and FTTH networks. The transmitter is a rack-mountable unit with a front panel that includes a power switch, a power indicator, and a status indicator. The rear panel includes a power input, a power output, and a status output.</p>	<p>ARRIS AT3552H Headend Optics Platform Transmitter - Technical Specifications</p> <p>Detailed technical specifications for the ARRIS AT3552H, a 1.218 GHz Analog Externally Modulated High SBS Suppression Full Spectrum Transmitter for HFC, RFoG, PON, and FTTH networks.</p>
 <p>Headend Optics Platform (CH3000) HT3540H Series Double-Density Full Spectrum DWDM Transmitter System</p> <p>FEATURES</p> <ul style="list-style-type: none"> Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System Double-Density Full Spectrum DWDM Transmitter System <p>SYSTEM OVERVIEW</p> <p>The HT3540H Series Double-Density Full Spectrum DWDM Transmitter System is a rack-mountable unit designed for use in Cable TV networks. It features a front panel with a power switch, a power indicator, and a status indicator. The rear panel includes a power input, a power output, and a status output.</p>	<p>ARRIS HT3540H Series Double-Density Full Spectrum DWDM Transmitter System Data Sheet</p> <p>Comprehensive data sheet detailing the ARRIS HT3540H Series Double-Density Full Spectrum DWDM Transmitter System, including features, specifications, and ordering information for high-performance forward path transmission in Cable TV networks.</p>
 <p>T14 ELRS Radio User Manual</p> <p>The manual includes sections for:</p> <ul style="list-style-type: none"> Introduction Getting Started Basic Operations Advanced Operations Troubleshooting Appendix 	<p>Jumper T14 ELRS Radio User Manual</p> <p>User manual for the Jumper T14 ELRS Radio system, providing instructions on setup, configuration, operation, and troubleshooting for FPV applications.</p>
 <p>JUMPER T14 Simple get started. Tailor-made for FPV.</p> <p>The manual includes sections for:</p> <ul style="list-style-type: none"> Introduction Getting Started Basic Operations Advanced Operations Troubleshooting Appendix 	<p>Jumper T14 FPV Radio Transmitter User Manual</p> <p>User manual for the Jumper T14 FPV radio transmitter by Changzhou Smoothies Electronics Co., Ltd. This guide covers system overview, setup, binding, frequency tuning, warnings, and firmware updates for the Jumper T14, compatible with EdgeTX firmware.</p>
 <p>AMPETRONIC T14-1LB Quick Start Guide</p> <p>This guide is intended for the following purposes:</p> <ul style="list-style-type: none"> To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. To provide a quick start guide for the T14-1LB Induction Loop Driver. <p>CAUTION</p> <p>TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE THE COVER. THERE ARE NO USER-SERVICEABLE PARTS. REPAIRS SHOULD BE DONE BY QUALIFIED PERSONNEL.</p>	<p>Ampetronic T14-1LB Quick Start Guide: Setup, Operation, and Troubleshooting</p> <p>Comprehensive quick start guide for the Ampetronic T14-1LB Induction Loop Driver. Covers product overview, safety, connections, controls, website usage, troubleshooting, warranty, and conformity declarations.</p>
 <p>Thank you for purchasing the BLACK SHARK Lucifer T14 Wireless Earbuds. Please read this manual carefully and keep it for future reference. If you need any assistance, please contact our support team with your product model number and Amazon order number.</p> <p>BLACK SHARK Lucifer T14</p> <p>PACKAGE CONTENTS</p> <ul style="list-style-type: none"> 1 x Lucifer T14 Wireless Earbud (Left) 1 x Lucifer T14 Wireless Earbud (Right) 1 x Charging Case 1 x User Manual 1 x Warranty Card <p>The manual includes sections for:</p> <ul style="list-style-type: none"> Introduction Getting Started Basic Operations Advanced Operations Troubleshooting Appendix 	<p>Black Shark Lucifer T14 Wireless Earbuds User Manual</p> <p>User manual for Black Shark Lucifer T14 wireless earbuds. Features include Bluetooth 5.0, IPX5 water resistance, touch controls, long playtime, and noise cancellation. Find specifications, setup guides, and safety instructions.</p>