

E-flite EFL18375

E-flite T-28 Trojan 1.2m Smart PNP RC Airplane Instruction Manual

Model: EFL18375

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation of your E-flite T-28 Trojan 1.2m Smart PNP RC Airplane. Please read this entire manual carefully before assembly, setup, or use to ensure proper function and to avoid damage or serious injury.

The E-flite T-28 Trojan 1.2m is an updated and upgraded model designed for ease of flight and enhanced performance. It features a 3S and 4S compatible power system with a 70A Smart Lite ESC, offering versatile flying capabilities from scale-like and sport flying to higher energy aerobatics. The BNF Basic version includes a telemetry-capable AR631 receiver with AS3X and optional-use SAFE Select technologies.

2. SAFETY INFORMATION

WARNING:

Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury. This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. The product manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

3. WHAT'S IN THE BOX

- (1) E-flite T-28 Trojan 1.2m RC Airplane
- (1) Spektrum Avian 70A Brushless Smart Lite ESC (installed)
- (1) Brushless Outrunner Motor (installed)
- (7) Servos (installed)

Note: This is a Plug-N-Play (PNP) version. A compatible receiver, transmitter, battery, and charger are required and sold separately.



Skill Level 3 Experience Required

Skill Level 3 aircraft are suitable for more experienced pilots who already have experience assembling, setting up and flying similar class models.

Image: Icons indicating required components: Battery, Charger, Receiver, and Transmitter.

4. SETUP AND ASSEMBLY

The E-flite T-28 Trojan 1.2m comes largely pre-assembled. Follow these general steps for final setup:

1. **Unboxing and Inspection:** Carefully remove all components from the packaging. Inspect for any damage.

2. **Wing Attachment:** Securely attach the wings to the fuselage according to the detailed instructions in the full manual.
3. **Landing Gear Installation:** Install the landing gear. The T-28 Trojan features functional retracts.
4. **Receiver Installation (BNF Basic):** If you have the BNF Basic version, ensure the telemetry-capable AR631 receiver is correctly installed and bound to your Spektrum DSMX/DSM2 compatible transmitter.
5. **Battery Installation:** Install a compatible 3S or 4S LiPo battery (2200mAh to 3300mAh recommended) into the battery compartment. Ensure it is secured to prevent shifting during flight.
6. **Control Surface Checks:** Verify that all control surfaces (ailerons, elevator, rudder, flaps) move freely and in the correct direction relative to your transmitter inputs.
7. **CG (Center of Gravity) Check:** Perform a balance check to ensure the aircraft's center of gravity is within the recommended range. Refer to the full manual for precise CG locations.



Image: The E-flite T-28 Trojan 1.2m RC Airplane, fully assembled and ready for flight.

5. OPERATING INSTRUCTIONS

The E-flite T-28 Trojan 1.2m is equipped with advanced technologies to enhance your flying experience.

5.1 Flight Modes and Technologies

- **AS3X Technology:** This system works behind the scenes to smooth out the effects of wind and turbulence, making the aircraft feel larger and more stable.
- **SAFE Select Technology (Optional-Use):**
 - **Beginner Mode:** Limits pitch and bank angles, and self-levels the aircraft when controls are released. Ideal for new pilots.
 - **Intermediate Mode:** Offers more freedom in pitch and bank, but still provides self-leveling.
 - **Experienced Mode:** Provides full control without any pitch or bank limits or self-leveling.

Refer to your transmitter manual for instructions on how to activate and switch between SAFE

Select modes.

5.2 Pre-Flight Checks

1. Ensure your transmitter battery is fully charged.
2. Confirm the flight battery in the aircraft is fully charged and properly secured.
3. Perform a range check of your radio system.
4. Check all control surfaces for correct movement and trim.
5. Verify propeller is securely attached and free from damage.

5.3 Takeoff

For ground takeoffs, position the aircraft into the wind. Gradually increase throttle, applying slight up-elevator as needed to lift off. For hand launches, ensure SAFE Select is active (if desired) and gently toss the aircraft forward and slightly upward while applying throttle.



Image: The E-flite T-28 Trojan 1.2m RC Airplane during takeoff from a grassy runway.

5.4 Flight

The T-28 Trojan 1.2m offers a wide flight envelope. Utilize the functional flaps for improved slow-speed performance and shorter takeoffs/landings. Experiment with different flight modes to match your skill level and desired maneuvers.

Needed to Complete



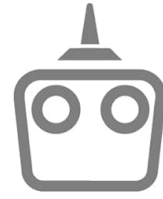
Battery



Charger



Receiver



Transmitter

Image: The E-flite T-28 Trojan 1.2m RC Airplane flying gracefully in a clear blue sky.



Image: The E-flite T-28 Trojan 1.2m RC Airplane executing an inverted flight maneuver.

5.5 Landing

Approach the landing area into the wind. Reduce throttle and deploy flaps (if configured) to slow the aircraft. Maintain a controlled descent and gently flare just above the runway for a smooth touchdown.



Image: The E-flite T-28 Trojan 1.2m RC Airplane touching down on a paved runway.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your T-28 Trojan 1.2m.

- **Pre-Flight Inspection:** Before each flight, check all control surfaces, linkages, and the propeller for damage or looseness. Ensure the battery is fully charged and secured.
- **Post-Flight Inspection:** After each flight, inspect the airframe for any damage, especially after hard landings. Check motor and ESC for excessive heat.
- **Battery Care:** Always follow the manufacturer's instructions for charging, discharging, and storing LiPo batteries.
- **Cleaning:** Keep the aircraft clean from dirt and debris. Use a soft cloth to wipe down surfaces.
- **Component Replacement:** Replace any damaged components (propeller, landing gear, control horns, etc.) with genuine E-flite parts.

7. TROUBLESHOOTING

If you encounter issues with your E-flite T-28 Trojan 1.2m, consider the following general troubleshooting steps:

- **Loss of Control/Erratic Behavior:**
 - Check battery levels in both transmitter and aircraft.
 - Verify receiver is properly bound and connections are secure.
 - Ensure no interference from other 2.4GHz devices.
- **Motor Not Responding:**
 - Check ESC connections and ensure it's armed correctly.
 - Verify throttle trim is at its lowest setting.
 - Inspect motor and propeller for obstructions or damage.
- **Poor Flight Performance:**
 - Confirm CG is correct.
 - Check control surface throws and adjust as needed.
 - Ensure propeller is balanced and undamaged.

For detailed troubleshooting, refer to the comprehensive manual available on the E-flite website or contact Horizon Hobby support.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	51 x 14.2 x 10.8 inches
Item Weight	9.55 pounds
Item Model Number	EFL18375
Manufacturer Recommended Age	14 months and up
Batteries	1 Nonstandard Battery batteries required (sold separately)
Manufacturer	E-flite
Date First Available	February 26, 2022

9. WARRANTY AND SUPPORT

E-flite products are backed by Horizon Hobby, LLC. For warranty information, technical support, or service inquiries, please visit the official Horizon Hobby website or contact their customer service

department. Keep your proof of purchase for warranty claims.
For additional resources and product information, visit the[E-flite Store on Amazon](#).

10. RELATED PRODUCT VIDEOS

Below are official product videos from the seller that may provide additional context or visual guidance for similar E-flite products.

Your browser does not support the video tag.

Video: E-flite UMX A-10 Thunderbolt II 30mm EDF BNF Basic. This video showcases the flight characteristics and features of a similar E-flite EDF jet model.

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Video: E-flite EFL02050 SR-71 EDF Launch Video. Demonstrates the launch of another E-flite EDF model, providing insight into handling and flight.

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Video: Arrows MiG-29 Twin 64mm EDF Jet. This video features another EDF jet, showcasing advanced flight capabilities and design.

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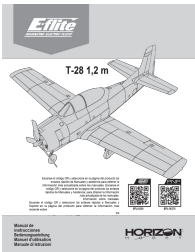

Video: Carbon Cub S Plus. This video highlights features of the Carbon Cub S Plus, including SAFE technology, which is also present in the T-28 Trojan.

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Video: Spektrum DX6e 6-Channel DSMX 2.4GHz RC Radio Transmitter Only. Provides an overview of a compatible Spektrum transmitter, useful for understanding controls.

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Related Documents - EFL18375

	<p>E-flite T-28 Trojan 1.2m RC Airplane Manual - Assembly, Setup, and Flight Guide</p> <p>Comprehensive manual for the E-flite T-28 Trojan 1.2m RC airplane. Includes setup, binding, SAFE Select, AS3X, flight tips, troubleshooting, and safety information.</p>
	<p>Manuale di Istruzioni E-flite F-15 Eagle 64mm EDF</p> <p>Manuale completo per l'assemblaggio, la configurazione e il volo del modello E-flite F-15 Eagle 64mm EDF. Include istruzioni dettagliate sulla tecnologia SAFE Select, la programmazione della trasmittente, le procedure di binding e la risoluzione dei problemi.</p>

 <p>The cover of the E-flite T-28 Trojan 1.1m BNF Basic and PNP instruction manual. It features a line drawing of the aircraft, the E-flite logo, the title 'T-28 Trojan 1.1m BNF Basic and PNP', and the Horizon Hobby logo at the bottom.</p>	<p>Eflite T-28 Trojan 1.1m BNF Basic and PNP Instruction Manual</p> <p>Comprehensive instruction manual for the Eflite T-28 Trojan 1.1m remote-controlled aircraft, covering assembly, setup, SAFE Select technology, flight operations, maintenance, and troubleshooting. Includes safety warnings and product specifications.</p>
 <p>The cover of the E-flite Super Timber 1.7m RC Airplane instruction manual. It features a line drawing of the aircraft, the E-flite logo, the title 'Super Timber 1.7m', and the Horizon Hobby logo at the bottom.</p>	<p>E-flite Super Timber 1.7m RC Airplane Instruction Manual</p> <p>Comprehensive instruction manual for the E-flite Super Timber 1.7m RC airplane, covering assembly, setup, operation, safety, and troubleshooting. Learn how to fly and maintain your model.</p>
 <p>The cover of the E-flite F-15 Eagle 64mm EDF BNF Basic/PNP instruction manual. It features a line drawing of the aircraft, the E-flite logo, the title 'F-15 Eagle 64mm EDF', and the Horizon Hobby logo at the bottom.</p>	<p>E-flite F-15 Eagle 64mm EDF BNF Basic/PNP Instruction Manual</p> <p>Comprehensive instruction manual for the E-flite F-15 Eagle 64mm EDF aircraft, covering assembly, setup, operation, safety precautions, and troubleshooting for both Bind-N-Fly (BNF) Basic and Plug-N-Play (PNP) versions.</p>
 <p>The cover of the E-flite Gee Bee R-2 1.0m instruction manual. It features a line drawing of the aircraft, the E-flite logo, the title 'Gee Bee R-2 1.0m', and the Horizon Hobby logo at the bottom.</p>	<p>Manuale di Istruzioni E-flite Gee Bee R-2 1.0m</p> <p>Questo manuale fornisce istruzioni complete per l'assemblaggio, la configurazione, il volo e la manutenzione dell'aereo RC E-flite Gee Bee R-2 1.0m. Include dettagli sulle tecnologie di stabilizzazione SAFE Select e AS3X+, configurazione del trasmettitore e risoluzione dei problemi.</p>