

## E-flite EFL01250

# E-flite P-51D Mustang 1.5m RC Airplane Instruction Manual

BRAND: E-FLITE | MODEL: EFL01250

### 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.

### Product Overview

The E-flite P-51D Mustang 1.5m is a highly detailed and high-performance large-scale replica of the iconic aircraft flown during World War II. It features Extra Scale details including removable drop tanks, molded-in panel lines, and guns. Functional scale features include LED navigation lights, sequenced main gear and tailwheel doors, and operational flaps.



Image: E-flite P-51D Mustang 1.5m RC Airplane, showcasing its detailed design and 'Lou IV' trim scheme. This model is equipped with a factory-installed, high-power 6S-compatible brushless motor and a large diameter 4-blade propeller, capable of achieving level flight top speeds over 80 MPH and unlimited vertical performance with 6S batteries (3200-7000+mAh). The integrated 100-amp Spektrum Avian Smart ESC provides real-time battery voltage, capacity used, and other telemetry data via compatible receivers and transmitters. A Spektrum AR637TA 6-Channel Receiver with full-range telemetry and DSMX technology is pre-installed.



Image: A person holding the E-flite P-51D Mustang 1.5m RC Airplane, illustrating its substantial size. The P-51D Mustang is designed for ease of flight, featuring innovative and optional-use SAFE Select flight envelope protection, along with the stability and locked-in feel of exclusive AS3X technology. It includes nine factory-installed servos with precise ball-link equipped linkages. The airframe is constructed from durable EPO foam with carbon fiber and wood reinforcement.



## **Skill Level 2**

### **Some Experience Required**

Skill Level 2 aircraft are a great choice for intermediate pilots who already have some experience with "Next Step" and beyond aircraft!

Image: A graphic indicating 'Skill Level 2 - Some Experience Required', suitable for intermediate pilots.

#### **What's in the Box**

- (1) E-flite P-51D Mustang 1.5m with:
  - (1) 100A Spektrum Avian Smart Brushless ESC (installed)
  - (1) Brushless Motor (installed)
  - (9) Servos (installed)
  - (1) Spektrum AR637TA 6-Channel Receiver (installed)
- (1) Product Manual

#### **Needed to Complete**

The following items are required to operate your E-flite P-51D Mustang 1.5m:

- Full-range 6-7+ channel Spektrum DSMX/DSM2 compatible transmitter
- 6S 22.2V 3200–7000+mAh LiPo battery with EC5 or IC5 connector

- Compatible LiPo charger

## Setup and Assembly

Assembly of the E-flite P-51D Mustang 1.5m is designed to be quick and straightforward, requiring no glue. The aircraft can typically be ready for flight in less time than it takes to charge a battery.

The unique 3-piece wing design features a center section with the main landing gear, and outer panels that securely snap into place without the need for fasteners. This design simplifies transport and storage.



Image: Close-up of the E-flite P-51D Mustang's cockpit and nose, highlighting molded details.

## Operating Instructions

The P-51D Mustang is equipped with advanced technologies to enhance the flying experience:

- **SAFE Select Technology:** Offers optional flight envelope protection, limiting pitch and bank angles to prevent over-control and aid in recovery. This feature is particularly beneficial for less experienced pilots.
- **AS3X Technology:** Provides unmatched stability and a locked-in feel, counteracting the effects of wind and turbulence for a smoother flight experience.
- **Telemetry:** The Spektrum Avian Smart ESC and AR637TA receiver provide real-time telemetry data, including battery voltage, capacity used, motor RPM, and other vital information, directly to your



compatible Spektrum transmitter.

- **Power System:** The 6S-compatible brushless power system delivers high performance, allowing for impressive speeds and vertical maneuvers. Ensure your battery is fully charged and properly secured in the quick-release battery tray located under the large top hatch.
- **Landing Gear:** The retractable main gear and tailwheel feature scale shock-absorbing struts, enabling operation from various surfaces, including grass. Functional flaps assist with shorter takeoffs and slower landings.



Image: The E-flite P-51D Mustang positioned on a runway, ready for takeoff.



Image: Close-up of the E-flite P-51D Mustang's retractable landing gear with shock-absorbing struts.

## Maintenance

Regular maintenance is crucial for the longevity and performance of your P-51D Mustang. Inspect the aircraft before and after each flight for any signs of damage, loose connections, or wear.

- **Airframe Inspection:** Check the EPO foam for cracks or dents. The carbon fiber and wood reinforcement provide durability, but impacts can still cause damage. Repair any damage using appropriate foam-safe adhesives.
- **Control Surfaces:** Ensure all nine servos and their ball-link equipped linkages are free from obstruction and operate smoothly. Verify that control surfaces (ailerons, elevator, rudder, flaps) move correctly and have the appropriate throw.
- **Landing Gear:** Regularly inspect the retractable main gear and tailwheel for proper function. Check the shock-absorbing struts for any damage or stiffness. Keep the wheels clean, especially after operating from grass.
- **Power System:** Check the propeller for nicks or cracks. Ensure the brushless motor spins freely and the ESC connections are secure. Monitor battery health and charge cycles using telemetry data.
- **Storage:** Store the aircraft in a cool, dry place away from direct sunlight. The 3-piece wing design allows for easy disassembly for compact storage.

## Troubleshooting

If you encounter issues with your E-flite P-51D Mustang, consider the following general troubleshooting steps:

- **No Power/Motor Not Spinning:** Check battery connection, ensure battery is charged, verify ESC is armed, and check for loose motor wires.
- **Loss of Control/Erratic Behavior:** Confirm transmitter and receiver are properly bound, check for interference, ensure all control surfaces move freely and correctly. Re-calibrate SAFE Select if necessary.
- **Landing Gear Malfunction:** Inspect servo connections to the landing gear, check for obstructions in the gear mechanism, and ensure the gear is not bent or damaged.
- **Poor Flight Performance:** Verify propeller is correctly installed and undamaged, check battery health and capacity, ensure control throws are set according to the manual.

For detailed troubleshooting or specific error codes, refer to the complete product manual included in the box or contact E-flite/Horizon Hobby customer support.







### Specifications

Feature	Detail
Product Dimensions	51.38 x 17.75 x 11.25 inches
Item Weight	6.6 pounds
Item Model Number	EFL01250
Manufacturer Recommended Age	14 months and up
Manufacturer	E-flite
First Available	January 14, 2020

### Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the full product manual. You can also visit the official E-flite or Horizon Hobby website for the latest support resources and contact information.



	<p><a href="#">E-flite P-51D Mustang 280 BNF Basic Instruction Manual</a></p> <p>Comprehensive instruction manual for the E-flite P-51D Mustang 280 BNF Basic radio-controlled aircraft, covering setup, operation, safety, maintenance, and troubleshooting. Features detailed specifications, parts lists, and warranty information.</p>
	<p><a href="#">Manuel d'instructions E-flite UMX P-51D Detroit Miss BNF Basic</a></p> <p>Manuel d'instructions détaillé pour l'avion RC E-flite UMX P-51D Detroit Miss BNF Basic, couvrant la configuration, le fonctionnement, la sécurité et le dépannage.</p>
	<p><a href="#">E-flite Viper 70mm EDF Instruction Manual</a></p> <p>Comprehensive instruction manual for the E-flite Viper 70mm EDF RC aircraft, covering assembly, transmitter setup, flying tips, and troubleshooting.</p>
	<p><a href="#">E-flite Super Timber 1.7m RC Airplane Instruction Manual</a></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><a href="#">E-flite UMX Conscendo BNF Basic: Instruction Manual &amp; Setup Guide</a></p> <p>Comprehensive instruction manual for the E-flite UMX Conscendo BNF Basic RC airplane. Learn about setup, binding, safety precautions, flight modes (AS3X, SAFE Select), advanced features, troubleshooting, and specifications.</p>
	<p><a href="#">E-flite F-15 Eagle 64mm EDF BNF Basic/PNP Instruction Manual</a></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>