



## F-16 Thunderbirds 70mm EDF Jet BNF Basic / PNP

EFL7850 / EFL7875

The Lockheed Martin F-16 is one of the most recognized and successful single-engine fighters in the world. Its amazing performance and capabilities are why the world-renowned U.S. Air Force Thunderbirds demonstration team chooses to operate it with distinction at air shows around the globe. The E-flite® F-16 Thunderbirds 70mm EDF is a scale replica that delivers incredible performance while also being easy to fly when it's equipped with exclusive AS3X and SAFE Select technologies (BNF Basic version only). At its core is a 6S-compatible brushless motor and a 70-amp ESC that are matched to a 12-blade fan to deliver an abundance of speed, thrust and a turbine-like sound. Factory-installed electric retracts with shock-absorbing struts make it possible to take off and land on a wider variety of surfaces—including grass—while keeping ground handling smooth and delivering a realistic jet experience.

### TARGET CUSTOMER

The new E-flite F-16 Thunderbirds 70mm EDF jet is for intermediate to advanced jet and sport pilots. This F-16 offers incredible performance and scale looks that experienced jet pilots will appreciate, while AS3X and SAFE Select technologies makes it easier for less experienced jet pilots to fly and enjoy.

### KEY PRODUCT FEATURES

- Easy to Fly: AS3X & optional-use SAFE Select Technologies (BNF Basic version only)
- Incredible Performance: Powerful 6S compatible motor and 12-blade fan
- Authentic: Scale replica with electric retracts and shock-absorbing struts

## PRODUCT HIGHLIGHTS

### Exclusive Technologies

This is the first high-performance F-16 model available in a BNF Basic version equipped with exclusive Spektrum® AS3X® and SAFE® Select technologies. AS3X works behind the scenes to smooth out the effects of wind and turbulence to deliver a locked-in feel that makes it seem like you're flying a much larger jet. Optional-use SAFE Select offers pitch and bank angle limits along with automatic self-leveling that can be turned on and off at the flip of a switch making this the easiest to fly F-16 model yet! And if you don't want to enable the SAFE Select features, simply bind the receiver normally and only AS3X will be active.

### High-Power EDF

The 12-blade 70mm fan, high-RPM brushless inrunner motor and 70-amp ESC combine with your 6S 3200–4000mAh LiPo battery to deliver amazing vertical performance and an incredible speed range with virtually instantaneous throttle response. But what makes the experience truly rewarding is the fantastic sound produced by the power system—it's almost like a real turbine.

### Capable Gear

The factory-installed landing gear features reliable electric retracts equipped with durable metal components and shock-absorbing struts that make it possible to fly from a wider variety of surfaces including paved runways and even grass.

### Unmatched Maneuverability

The F-16's unique design offers incredible handling through a wide flight envelope and speed range. It's capable of rock-solid high-speed flight so you can perform locked-in low-level flybys and aerobatic maneuvers including giant loops, point rolls and more, while also being capable of slowing down to deliver smooth and stable high-alpha flight and landings.

### Bind-N-Fly Completion Level Advantage

The Bind-N-Fly Basic version model is equipped with an AS3X (Artificial Stabilization–3-aXis) receiver that works behind the scenes to smooth out the effects of wind and turbulence. The result is a sense of stability and precision that makes you feel like you're flying a larger and expertly tuned aircraft.

If this is your first high-performance scale jet, or you want an extra margin of safety while familiarizing yourself with the airplane, you can enable the optional-use SAFE Select technology built into the receiver.

### With SAFE Select enabled, you get:

#### Pitch and Bank Angle Limits

These envelope limits keep the airplane from rolling or pitching upside down. They also prevent excessive climb or dive angles.

#### Automatic Self-Leveling

The airplane instantly returns to and holds level flight when the sticks are released and in the center position. It's also helpful for keeping the wings level during takeoffs and landings.

#### Easy Switch Assignment—No Programming Required

The simple procedure for assigning a transmitter switch to turn SAFE Select features on and off doesn't require any programming and takes just a few seconds.



## OTHER FEATURES

- The easiest to fly high-performance F-16 EDF (Electric Ducted Fan) jet model yet (BNF Basic version)
- Scale replica of the iconic aircraft flown by the U.S. Air Force Thunderbirds demonstration team
- 12-blade 70mm fan delivers excellent top speed and vertical performance plus turbine-like sound
- Factory-installed high-power 6S compatible brushless inrunner motor and 70-amp ESC
- Fast and precise factory-installed digital, metal-gearred servos with ball-link equipped linkages
- Steerable nose wheel and electric retracts with shock-absorbing struts for operation from a variety of surfaces including grass
- Spektrum™ 6-channel receiver with industry-leading DSMX® technology(BNF Basic version)
- Easy to fly with optional-use SAFE® Select flight envelope protection(BNF Basic version)
- The unmatched stability and precision of AS3X® technology(BNF Basic version)
- Includes a decal sheet to choose and apply the Thunderbird number designation of your choice
- Easy final assembly with removable wings and a magnetically-secured nose cone
- Convenient top hatch with clear canopy, cockpit detail and a pilot figure
- Durable yet lightweight, composite reinforced EPO airframe

## SPECIFICATIONS

- Wingspan: 32.0 in (813mm)
- Length: 49.5 in (1258mm)
- Flying Weight: 73.7 oz (2090 g)
- Motor Size: Brushless inrunner
- EDF Size: 70mm with 12-blade fan
- Receiver: Spektrum™ 2.4GHz DSMX with AS3X and SAFE Select technologies (BNF Basic version)
- Servos: (6) digital, metal-gearred servos
- Retracts: Yes (installed)
- Battery: 6S 22.2V 3200-4000mAh 30+C LiPo with EC5
- Required Radio: Full-range 6+ Channel DSMX/DSM2
- Experience Level: Intermediate
- Assembly Required: Yes
- Recommended Environment: Outdoor

Item#
EFL7850 – BNF Basic
EFL7875 – PNP



## COMPLETION ITEMS

This Bind-N-Fly Basic version requires a transmitter, battery and charger to complete. The PNP requires a receiver, transmitter, battery and charger to complete.

**Transmitter**

- SPMR6750 – DX6 6-channel DSMX Transmitter Only
- SPMR8100 – DX8e 8-channel DSMX Transmitter

**6S Battery**

- SPMX32006S30 – Spektrum 22.2V 3200mAh 6S 30C Smart LiPo
- EFLB32006S30 – E-flite 3200mAh 6S 22.2V 30C LiPo
- KXSB40006S40 – Kinexis F-tek 4000mAh 6S 22.2V 40C LiPo

**Charger**

- DYNC2015 – Dynamite Prophet Precept 80W LCD AC/DC Battery Charger
- DYNC2050 – Dynamite Prophet Sport Quad 4 X 100W AC/DC Charger

## REPLACEMENT PARTS

EFL7801 Fuselage: F-16 70mm  
 EFL7802 Main Wing Set: F-16 70mm  
 EFL7803 Vertical Stabilizer: F-16 70mm  
 EFL7804 Horizontal Stabilizers: F-16 70mm  
 EFL7805 Missiles -wingtip: F-16 70mm Missiles  
 EFL7806 Missiles - underwing: F-16 70mm Missiles  
 EFL7807 Cockpit: F-16 70mm  
 EFL7808 Nose Cone: F-16 70mm  
 EFL7809 Ventral Fins: F-16 70mm  
 EFL7811 Front Landing Gear: F-16 70mm  
 EFL7812 Main Landing Gear Set: F-16 70mm  
 EFL7814 Front Landing Gear System w/retract: F-16 70mm  
 EFL7815 Main Landing Gear System w/retracts: F-16 70mm  
 EFL7816 Landing Gear Cover: F-16 70mm

EFL7817 Linkage Rod: F-16 70mm  
 EFL7818 Pipe: F-16 70mm  
 EFL7819 Screw Set: F-16 70mm  
 EFL7820 Wheel Set: F-16 70mm  
 EFL7821 Decal Sheet: F-16 70mm  
 EFLG325 Nose Gear Retract Mechanism  
 EFLG326 Main Gear Retract Mechanism  
 EFLA1070400EC5 70A ESC, EC5  
 EFLM1850 Motor 2860 KV1850  
 EFLA7012DF Ducted Fan Unit: 70mm 12-blade EDF  
 SPMA380 Servo: 9g digital metal gear, positive  
 SPMA380R Servo: 9g digital metal gear, reverse  
 SPMAR636 Spektrum™ AR636A 6-Channel Sport Receiver

