

F-18 Blue Angels 80mm EDF



**Instruction Manual
Bedienungsanleitung
Manuel d'utilisation
Manuale di Istruzioni**

Problem	Possible Cause	Solution
Aircraft will not connect (after binding) to transmitter	Transmitter too near aircraft during connecting process	Move powered transmitter a few feet from aircraft, disconnect and reconnect flight battery to aircraft
	Aircraft or transmitter is too close to large metal object, wireless source or another transmitter	Move aircraft and transmitter to another location and attempt connecting again
	Bind plug left installed in bind port	Rebind transmitter to the aircraft and remove the bind plug before cycling power
	Aircraft bound to different model memory (ModelMatch™ radios only)	Select correct model memory on transmitter
	Flight battery/Transmitter battery charge is too low	Replace/recharge batteries
	Transmitter may have been bound to a different aircraft using different DSM protocol	Bind aircraft to transmitter
Control surface does not move	Control surface, control horn, linkage or servo damage	Replace or repair damaged parts and adjust controls
	Wire damaged or connections loose	Do a check of wires and connections, connect or replace as needed
	Transmitter is not bound correctly or the incorrect airplanes was selected	Re-bind or select correct airplanes in transmitter
	Flight battery charge is low	Fully recharge flight battery
	BEC (Battery Elimination Circuit) of the ESC is damaged	Replace ESC
Controls reversed	Transmitter settings are reversed	Perform the Control Direction Test and adjust the controls on transmitter appropriately
Motor power pulses then motor loses power	ESC uses default soft Low Voltage Cutoff (LVC)	Recharge flight battery or replace battery that is no longer performing
	Weather conditions might be too cold	Postpone flight until weather is warmer
	Battery is old, worn out, or damaged	Replace battery
	Battery C rating might be too small	Use recommended battery

Replacement Parts

Part #	Description
EFL13976	Wing Set: F-18 80mm
EFL13977	Fuselage Set: F-18 80mm
EFL13978	Horizontal Stabilizer Set: F-18
EFL13979	Vertical Stabilizer Set: F-18
EFL13980	Canopy: F-18 80mm EDF
EFL13981	Nose Cone: F-18 80mm EDF
EFL13982	Nose Gear Doors: F-18 80mm EDF
EFL13983	Main Gear Doors: F-18 80mm EDF
EFL3984	Linkages:F-18 80mm EDF
EFL3985	Wheel Set:F-18 80mm EDF
EFL3986	Wing Tube:F-18 80mm EDF
EFL3987	Screw Set:F-18 80mm EDF
EFL3988	Horn Set:F-18 80mm EDF
EFL13989	Missile Set: F-18 80mm EDF
EFL13990	Tank Set: F-18 80mm EDF
EFL13991	Pilot: F-18 80mm EDF
EFL13992	Decals: F-18 80mm EDF
EFL3993	LED Set:F-18 80mm EDF
EFLA10100EC5	ESC: 100-Amp Pro Switching ESC
EFLA8012DFV2	Ducted Fan Unit: 80mm 12 Blade V2
EFLA8012R	Ducted Fan Rotor: 80mm 12 Blade
EFLG325L	Retract: Left Main F-18 80mm EDF
EFLG325N	Retract: Nose Gear F-18 80mm EDF
EFLG325R	Retract:Right Main F-18 80mm EDF
EFLG322	Nose Gear Strut:F-18 80mm EDF
EFLG323	Main Gear Strut:F-18 80mm EDF
EFLM2000DF	Brushless Motor: 3270-2000Kv
SPMSA450	Servo: 13g Metal Gear
SPMSA333	Servo:13g Analog Metal Gear (left elevator)
SPMSA333R	Servo:13g Analog Metal Gear: REVERSED (right elevator)
SPMAR636B	AR636 DSMX 6-CH AS3X Sport RX (BNF Only)

Optional Parts

Part #	Description
EFLA250	Park Flyer Tool Assortment, 5 pc
SPMA3065	AS3X Programming Cable - USB Interface
SPMBT1000	AS3X Bluetooth Programming Module
SPMXBC100	SMART Battery Checker and Servo Driver (IC3 - use SPMXCA507)
DYN1405	Li-Po Charge Protection Bag, Large
DYN1400	Li-Po Charge Protection Bag, Small
SPMR12000	iX12 12 Channel Transmitter Only
SPMR6750	DX6 Transmitter Only MD2 G3
SPMR8000	DX8 Transmitter Only MD2
SPMR8100	DX8e 8CH Transmitter Only
SPMR9910	DX9 Black Transmitter Only MD2
SPMX50006S30	22.2V 5000mAh 6S 30C Smart LiPo, IC5
SPMX70006S30	22.2V 7000mAh 6S 30C Smart LiPo, IC5
SPMXC1000	Smart S1200 DC Charger, 1x200W (IC3 - use SPMXCA507)
SPMXC1010	Smart S2100 AC Charger, 2x100W (IC3 - use SPMXCA507)
SPMXCA507	Spektrum IC3 Battery to IC5 Device

Recommended Receivers (ARF Plus)

Part Number	Description
Telemetry Equipped Receivers	
SPMAR620	AR620 6-Channel Sport Air Receiver
SPMAR6610T	AR6610T 6-Channel Air Integrated Telemetry Receiver
SPMAR6270T	AR6270T 6-Channel Carbon Fuse Integrated Telemetry Receiver
SPMAR8010T	AR8010T 8-Channel Air Integrated Telemetry Receiver
SPMAR9030T	AR9030T 9-Channel Air Integrated Telemetry Receiver
AS3X Equipped Receivers	
SPMAR636B	AR636B 6-Channel AS3X Sport Receiver

Part Number	Description
AS3X and Telemetry Equipped Receivers	
SPMAR637T	AR637T DSMX 6-Channel AS3X Telemetry Receiver
SPMAR9350	AR9350 9-Channel AS3X Receiver with Integrated Telemetry
Telemetry Sensors*	
SPMA9574	Aircraft Telemetry Airspeed Indicator
SPMA9589	Aircraft Telemetry Altitude and Variometer Sensor
SPMA9558	Brushless RPM Sensor
SPMA9605	Aircraft Telemetry Flight Pack Battery Energy Sensor
SPMA9587	Aircraft Telemetry GPS Sensor

*Not compatible with BNF, Telemetry receiver required

AMA National Model Aircraft Safety Code

Academy of Model Aeronautics National Model Aircraft Safety Code

Effective January 1, 2018

A model aircraft is a non-human-carrying device capable of sustained flight within visual line of sight of the pilot or spotter(s). It may not exceed limitations of this code and is intended exclusively for sport, recreation, education and/or competition. All model flights must be conducted in accordance with this safety code and related AMA guidelines, any additional rules specific to the flying site, as well as all applicable laws and regulations.

As an AMA member I agree:

- I will not fly a model aircraft in a careless or reckless manner.
- I will not interfere with and will yield the right of way to all human-carrying aircraft using AMA's See and Avoid Guidance and a spotter when appropriate.
- I will not operate any model aircraft while I am under the influence of alcohol or any drug that could adversely affect my ability to safely control the model.
- I will avoid flying directly over unprotected people, moving vehicles, and occupied structures.
- I will fly Free Flight (FF) and Control Line (CL) models in compliance with AMA's safety programming.
- I will maintain visual contact of an RC model aircraft without enhancement other than corrective lenses prescribed to me. When using an advanced flight system, such as an autopilot, or flying First-Person View (FPV), I will comply with AMA's Advanced Flight System programming.
- I will only fly models weighing more than 55 pounds, including fuel, if certified through AMA's Large Model Airplane Program.
- I will only fly a turbine-powered model aircraft in compliance with AMA's Gas Turbine Program.
- I will not fly a powered model outdoors closer than 25 feet to any individual, except for myself or my helper(s) located at the flightline, unless I am taking off and landing, or as otherwise provided in AMA's Competition Regulation.
- I will use an established safety line to separate all model aircraft operations from spectators and bystanders.



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