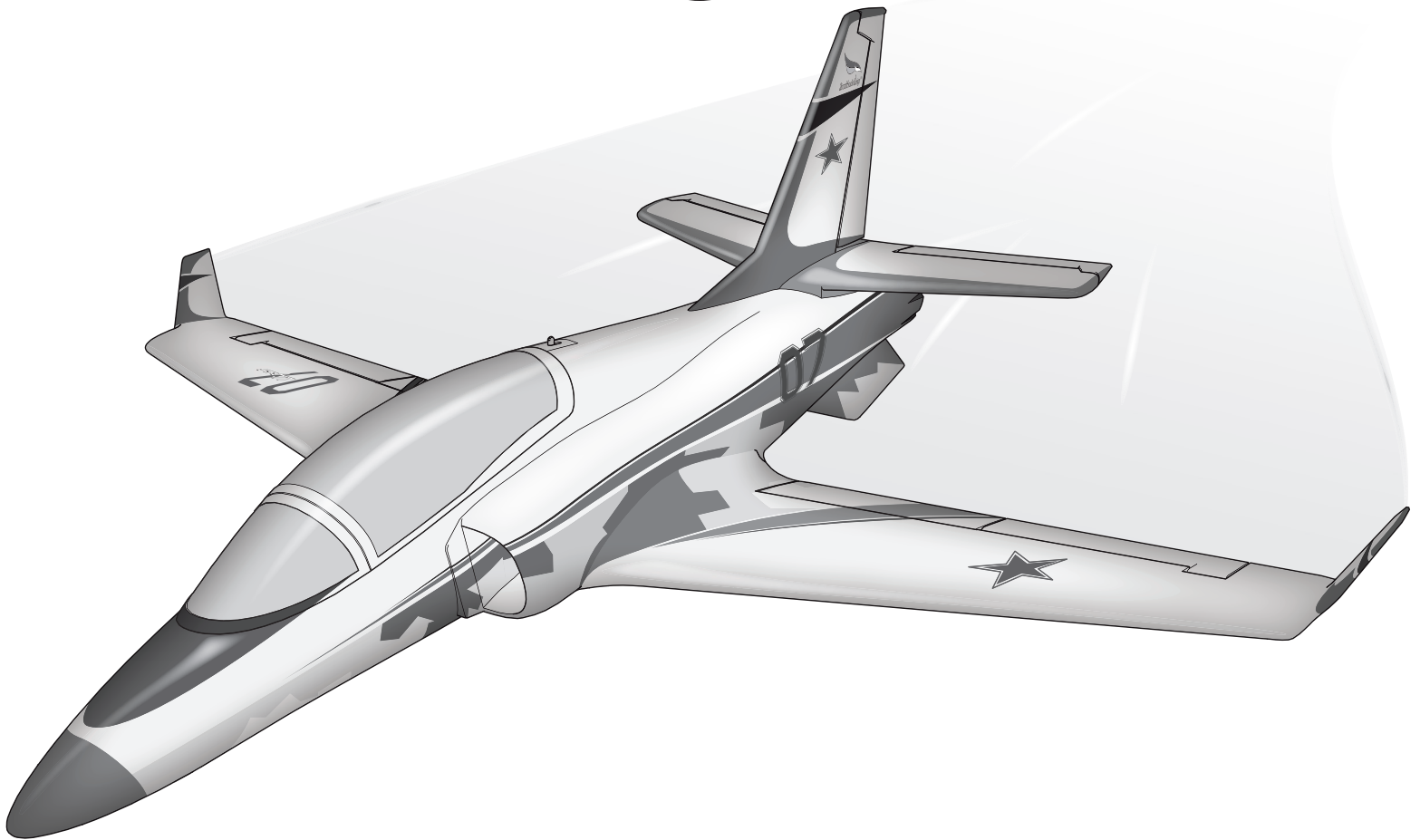


**HORIZON**<sup>®</sup>  
H O B B Y

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ADVANCING ELECTRIC FLIGHT

# Viper 70mm EDF



Instruction Manual  
Bedienungsanleitung  
Manuel d'utilisation  
Manuale di Istruzioni

**SAFE**<sup>®</sup> 

SAFE<sup>®</sup> Select Technology, Optional Flight Envelope Protection

Plug-N-Play<sup>®</sup>

**BNF**<sup>®</sup>  
BASIC

Problem	Possible Cause	Solution
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
EFL7750	Viper 70mm EDF BNF Basic
EFL7775	Viper 70mm EDF PnP
EFL7701	Fuselage: Viper 70mm
EFL7702	Main Wing Set: Viper 70mm
EFL7703	Vertical Stabilizer: Viper 70mm
EFL7704	Horizontal Stabilizer: Viper 70mm
EFL7705	Cockpit: Viper 70mm
EFL7706	Front Landing Gear Set: Viper 70mm
EFL7707	Main Landing Gear Set: Viper 70mm
EFLG7708	Front Landing GearSystem: Viper 70mm
EFLG7709	Main Landing Gear System: Viper 70mm
EFL7710	Landing Gear Cover: Viper 70mm
EFL7711	Linkage Rod: Viper 70mm
EFL7712	Control Horns: Viper 70mm
EFL7713	Wheel Set: Viper 70mm
EFL7714	Screw Set: Viper 70mm
EFL7715	Decal Sheet: Viper 70mm
SPMA380	Servo: 9g digital metal gear
SPMA380R	Servo: 9g digital metal gear
EFLA1070EC5	70A ESC, EC5
EFLA7012DF	70mm Ducted Fan Unit
EFLA7012R	70mm 12 Blade Rotor
EFLA7012H	70mm 12 Blade Rotor Hub
EFLM1850	Motor 1850Kv
EFLG130	Nose Gear Retract Mechanism
EFLG131	Main Gear Retract Mechanism

## Optional Parts

Part #	Description
SPMAR636	AR636 6-Ch AS3X Sport Receiver
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



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