

ROTOengine Ltd., Czech Republic - Europe

MANUAL ROTO STARTER SYSTEMS

ROTO 85 FS

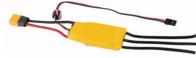


PACKAGE CONTENTS

- 1. aluminium holder (red)
- 2. gear set
- 3. 600W BLDC electric motor

All already installed on a Roto 85 FS engineRoto 85 FS

4. ESC 40-60A

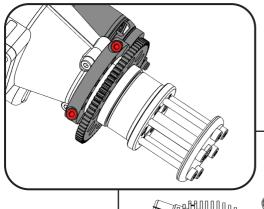




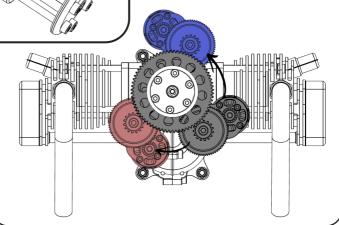
STARTER POSITIONING

The RSS starter is factory installed in the basic position.

To adjust the position, it is necessary to loosen the M4 screws on the RSS clamping bracket.

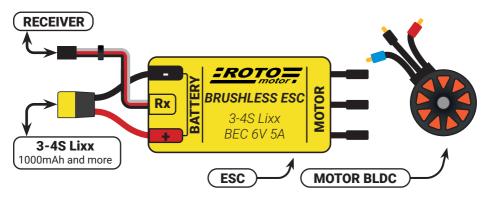


For safety reasons, ensure that the RSS motor and its rotating parts do not collide with any object in the aircraft.



CONNECTION

1. Connect the regulator according to the picture below.



- 2. The RSS starter control method is quite common with Tx and Rx.
- 3. Set the off/on option on the lever switch.

 We recommend using a lever switch with a return spring.
- **4. Set the direction of rotation of the starter motor** *If it rotates in the opposite direction, swap some of the connected cables between the ESC and the BLDC MOTOR*

Direction of rotation of the propeller / Engine

ESC FUNCTION

The ESC is already preconfigured to work with the RSS and is a completely conventional ESC that can be replaced by any other RC ESC in the 40A size or larger.

Starting time with RSS is not limited, only by the capacity of the connected battery.

The starting speed of the RSS is 400-800 rpm depending on the state of charge of the 3-4S Lixx battery

If the Roto 85 FS engine is already started and running at any speed from 1000-6000 rpm. It is possible to turn on the RSS starter even by mistake, nothing will happen, it will just spin freely and there is no effect on the running of the internal combustion engine.

SAFETY INSTRUCTIONS

If you see or hear any abnormal noises from the RSS or see excessive vibration, please contact your dealer.

Do not touch the gears before or during starting, there is a risk of injury!

Do not make any modifications to the RSS design, no changes to the parts used, there is a risk of subsequent injury or damage to both the Roto 85 FS engine and your aircraft.

The manufacturer accepts no responsibility for failure to follow the normal rules for the use and maintenance of Roto and RSS RC equipment with consequent damage.

The red starter bracket can be rotated as needed around the crankshaft axis.

The RSS starter is always tested including the motor, all screws used on the starter are secured with Loctite glue except the two M4 screws used to attach it to the motor.

All parts can be purchased as spare parts

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