

SebArt professional line

EDGE 540S 140 ARF

ASSEMBLY MANUAL

The *Edge 540S 140 ARF* was designed by the 15 times Italian Champion Sebastiano Silvestri, vice-European Champion and 2 time F.A.I World Cup winner F3A.

This professional ARF kit is the result of Sebastiano's long research, experience in F3A and with 3D giant models. This combined with an extremely light weight structure and with many small aerodynamical tricks give the *Edge 540S 140* an impressive precision and easy control at any airspeed and flight condition.

The *Edge 540S 140* is ready for any pattern and 3D maneuvers as for unbelievable easy torque rolls, knife-edge pass, loops, spins, stall turn... and almost anything else you can dream up from a 3D plane are waiting you!

.....the only limit is your fantasy!

Specifications:

Wing Span:.....200 cm
Length:.....200 cm
Wing Area:.....78 dm²
Weight of the electric version:.....4.500g. RTF less battery
Radio:.....5+ Channel, 4 MG Digital servo

Recommended power set up:

Motor:..... Hacker A60-22S
ESC:.....Hacker Jeti Spin 99A
Propeller:APC 20.5x12WE
Battery:2 x 5000-5S

Required radio, motor and battery

- 5+ channel radio system
- 4 MG digital servos for ailerons, elevator and rudder (JR DS8911)
- 2 servo extension 200mm for aileron servos

Recommended electric motor for best performance:

- Hacker A60-22S + Jeti Spin 99A + APC 20.5x12WE

Recommended Li-Po battery pack for best performance:

- 2 x 5000mAh 5S

Additional required item, tools and adhesives

Tools:

- Drill
- Drill bits: 1,5mm
- Phillips screwdriver
- Hobby knife
- Sanding paper
- Masking tape
- Soldering iron

Adhesives:

- thin CA
- medium CA

Warning

This RC aircraft is not a toy!

If misused, it can cause serious bodily harm and damage to property. Fly only in open areas, preferably in official flying sites, following all instructions included with your radio and motor.

Before starting assembly

Before starting the assembly, remove each part from its bag and protection for a prior inspection. Closely inspect the fuselage, wing panels, rudder, and stabilizer for damage. If you find any damage or missing parts, contact the place of purchase.

If you find any wrinkles in the covering, use a heat gun or covering iron to remove them. Use caution while working around areas where the covering material overlap to prevent separating the covers.

Warranty information

SebArt guarantees this kit to be free from defects in both material and workmanship at the date of purchase.

This warranty does not cover any parts damage by use or modification, and in no case shall SebArt's liability exceed the original cost of the purchased kit.

Further, SebArt reserve the right to change or modify this warranty without notice. In that SebArt has no control over the final assembly or material used for the final assembly, no liability shall be assumed or accepted for any damage of the final user-assembled product. By the act of using the product, the user accepts all resulting liability.

If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to return this kit immediately in new and unused condition to the place of purchase.

Radio set up

Control throws

For the AILERON we recommend the following throws:

High rate: 45° UP & DOWN, left & right

Normal flight & pattern: D/R: 50% Expo: 40%

3D aerobatics: D/R: 100% Expo: 65%

□ **For the ELEVATOR** we recommend the following throws:

High rate: 50° up & down

Normal flight & pattern: D/R: 30% Expo: 40%

3D aerobatics: D/R: 100% Expo: 80%

□ **For the RUDDER** we recommend the following throws:

High rate: 45° left & right

Normal flight & pattern: D/R: 60% Expo: 25%

3D aerobatics: D/R: 100% Expo: 40%

Note: the Expo is (+) for JR systems, and (-) for Futaba systems.

Mixing

We recommend the following mix (if you have a programmable computer radio):

➤ ***Rudder → Elevator UP***

full rudder to the right, the elevator have to go up (positive) approx. 12%

full rudder to the left, the elevator have to go up (positive) approx. 12%

➤ ***Rudder → Ailerons***

full rudder to the right, the ailerons have to go LEFT approx. 4%

full rudder to the left, the ailerons have to go RIGHT approx. 4%

Recommended Center of Gravity

The recommended CG is ***135mm*** behind the leading edge of wing.

Pre-flight

Never attempt to make full throttle dives! This model have to be flown like a full-scale airplane. If the airframe goes too fast, such as in a high throttle dive, it may fail. Throttle management is absolutely necessary.

Range test your radio

- ✓ Before fly, be sure to range check your radio as manufacturer' s instruction manual of you radio-system recommend.
- ✓ Double-check all controls (aileron, elevator, rudder and throttle) move in the correct direction.
- ✓ Be sure that your motor battery pack is fully charged, as per the instructions included with your batteries and that your radio is fully charged as per its instructions.

Finally... have nice flights!

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