

SebArt *professional line*

Cessna S 30-50E ARF

ASSEMBLY MANUAL

The *Cessna S 30-50E 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 30 years in model airplane design experience. This combined with an extremely light weight structure and with many small aerodynamical tricks give the *Cessna S 30-50E* an impressive precision and easy control in any flight condition.

The *Cessna S 30-50E* can do it all!

It can fly very stable and easy at any airspeed: a dream for every beginner. In expert hands it can perform very easy reverse flight, hover, positive harrier, knife edge, and almost anything else you can dream up are waiting you

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

Specifications:

Wing Span:.....166 cm
Length:.....147 cm
Wing Area:.....42 dm²
Weight:.....2.500g./ 2.900g. RTF
Radio:..... 6+ channels with 5 MG digital mini servos

Recommended power set up elec. motor – 3S version:

Hacker A30-10XL + ESC 55A bec + APC 14x7E
Weight RTF (with lipo 5000-3S): 2.500g

Recommended power set up elec. motor – 5S version:

Hacker A50-14S + ESC 80A bec + APC 16x8E
Weight RTF (with 5000-5S): 2.900g

Required radio, motor and battery

- 6+ channel radio system
- 5 mini MG digital servos for ailerons, elevator, rudder and steering (A5060)
- 2 servo extension 500mm for elevator and rudder servos
- 2 servo extension 250mm for aileron servos

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 AILERONS we recommend the following throws:

High rate: 40° UP & DOWN, left & right

Normal flight: D/R: 60% Expo: 20%

Aerobatics: D/R: 100% Expo: 40%

For the ELEVATOR we recommend the following throws:

High rate: 40° up & down

Normal flight: D/R: 50% Expo: 20%

Aerobatics: D/R: 100% Expo: 40%

For the RUDDER we recommend the following throws:

High rate: 40° left & right

Normal flight: D/R: 75% Expo: 30%

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*** → ***Steering wheel servo***

full rudder to the right, steering wheel to right 100%

full rudder to the left, steering wheel to left 100%

➤ ***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. 25%

full rudder to the left, the ailerons have to go RIGHT approx. 25%

Recommended Center of Gravity: 90-95mm 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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