SebArt *professional line*

EXTRA XS 50E ARF

ASSEMBLY MANUAL

The new Extra XS 50E ARF was designed by the F3A aerobatic pilot Sebastiano Silvestri and it's a semi scale version of the real plane Extra.
This innovative design combined with the extremely lightweight structure all wood airframe, give the Extra XS 50E ARF an impressive precision and smoothness at any airspeed and flight condition and at the same time in high rate mode and impressive agility.
The Extra XS 50E 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:…….……..... 1550mm / 61 in.
Length:…….....…….....… 1600mm / 63 in.
Wing Area:……..... 50,76 dm2 / 786.78 sq.
Weight RTF without Lipo pack:…….. 2,66 Kg / 5,86 lb.
Weight RTF with Lipo pack:……... 3,47 Kg / 7,65 lb.
Radio: 6+ ch. With 4 MINI MG digital servo (JR S3411 or S3911)

Recommended power set up

Motor:..... Hacker A50-16S
ESC:….....Hacker Jeti Master Spin 100A SB
Propeller: ….....…….....APC 17x10E
Battery: ….....…5000-6S or 5800-6S

Required radio

Radio equipment:

- Minimum 6+ channels radio system
- 4 mini servo for AILE, ELEV and RUDD
- 4 servo extension 200mm for aileron servos
- 2 servo extension 500mm for rudder and elevator 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 garantees 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.

Control throws

Please, follow the recommended linkage setups:

For the **AILERONS** we recommend the following throws:

High rate:	40° left & right	
Normal flight:	D/R: 30%	Expo: 20%
Snap:	D/R: 80%	Expo: 70%
Spin & 3D:	D/R: 100%	Expo: 80%

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

High rate:	40° up & down	
Normal flight:	D/R: 25%	Expo: 20%
Snap:	D/R: 40%	Expo: 40%
Spin & 3D:	D/R: 100%	Expo: 80%

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

High rate:	40° left & right	
Normal flight:	D/R: 40%	Expo: 20%
Snap:	D/R: 60%	Expo: 40%
Spin & 3D:	D/R: 100%	Expo: 80%

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

Mixing

For best performance, we recommend a linear-mix*:

- Rudder → Elevator UP

When you give full rudder to the right or left side, the elevator have to go up (positive) approx. 6%

- Rudder → Ailerons

When you give full rudder to the right, ailerons have to go right and when you give full rudder to the left, ailerons have to left approx. 1%

* if you have a programmable computer radio.

Recommended Center of Gravity

The recommended CG is ***13 cm*** behind the leading edge of the TOP wing.

- ***13 cm is good for pattern and windy condition***
- ***14 cm is good for 3D***

You can use the battery pack, moving it forward or backward, to achieve the correct balance.

Pre-flight

Never attempt to make full throttle dives!
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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