

SebArt professional line Mini Avanti

1.4m ARF Jet for EDF or P20 micro-turbine

Instruction Manual

The all new Mini Avanti Jet 1.4m ARF was designed by Italian champion aerobatic pilot Sebastiano Silvestri. This sport ARF jet-model design is based on the Hawk full size aircraft design and modified by adding the ultimate aerodynamic ideas of modern pattern models and using Seba's 15 years experience in flying jets.... the result is surprising! This innovative design combined with the lightweight structure, the fiberglass fuselage and all wood airframe wings and stabs, give the Mini Avanti Jet 1.4m ARF an impressive precision and smoothness at any airspeed and flight condition. Thanks to this low wing loading and the powerful 90mm 12 blades EDF or the P20 micro-turbine, it can be a fantastic aerobatic jet-trainer... you will be amazed with your new Mini Avanti Jet ARF !the only aerobatic limit to unlimited fun is your imagination!

Specifications:

Wing span: 1360 mm

Length: 1420 mm

Wing area: 38 sq. dm.

Radio: Minimum 6 channel

Weight with recommended power set up:

EDF: Weight (less battery): 2,900g Weight RTF (with 5800-6S): 3,800g 90mm 12 blades aluminium EDF unit, 1750 Kw motor, 130A ESC with 8A BEC 5V

Micro-turbine P20: Weight (empty, less RX and Turbine battery): 3,050g Weight RTF (with 800-2S RX batt. and turbine batt. + 650cc tank full): 3,700g

Conversion turbine set (including tank, thrust tube and other accessories) is available as an option (item # A140-17)

Required radio system: • Minimum 6-channel radio system (better 9ch) • 7 micro servos 17gm for elevators, ailerons, flaps and rudder • **3 servos for doors and steering , the door sequencer and the electric retracts are factory installed** • full extension set are available in the optional servo set (item # A140-12 set)

Recommended Li-Po battery pack for best performance with EDF: • 5000-6S or 5800-6S Minimum 20 C-rate

Additional required tools: • Drill • Drill bits: 1,5mm • Phillips screwdriver • Hobby knife • Sanding paper • Masking tape • Soldering iron

Additional required adhesives: • thin CA • medium CA • epoxy 5minutes • epoxy 20 minutes • silicon

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 at official flying sites, following all instructions included with your radio and motor.

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 overlaps to prevent separating the covering.

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 reserves 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: For more realistic jet flying, more stable and easier control in the wind, we recommend the use of a 3 axis gyro system such as the Dualsky FC150, the Spektrum AR7350 or AR9350 receiver or the JR Axis receiver.

Flaps: We recommend the use of flaps down for take-off and landings to make them shorter and easier. Activate the FLAP function in your radio. For take-off use approx. 20° flaps down and mix 8% elevator down. For landing use approx. 50° full flap down and mix 20% elevator down

Control throws:

- For the **AILERON** we recommend the following throws: Use approx. 10% aileron differential (more up) for normal flight. High rate: 30° left & right Normal flight: D/R: 60% Expo: 10% Snap, spin: D/R: 100% Expo: 40% Start & landing: D/R: 100% Expo: 40%

- For the **ELEVATOR** we recommend the following throws: High rate: 35° up & down Normal flight: D/R: 50% Expo: 40% Snap, spin: D/R: 100% Expo: 80% Start & landing: D/R: 100% Expo: 80%

- For the **RUDDER** we recommend the following throws: High rate: 35° left & right Normal flight: D/R: 80% Expo: 20% Snap, spin: D/R: 100% Expo: 60% Start & landing: D/R: 100% Expo: 60% 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 DOWN full rudder to the right, the elevator have to go down (negative) approx. 4% full rudder to the left, the elevator have to go down (negative) approx. 4% — Rudder → Ailerons full rudder to the right, the ailerons have to go left approx. 7% full rudder to the left, the ailerons have to go right approx. 7%

Centre of Gravity: the recommended CG is 145mm behind the leading edge of the wing.

Pre-flight: *Never attempt to make full throttle dives!* This model must 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 you fly this model for the first time, be sure to range check your radio as per manufacturer's instructions. Double-check all controls (aileron, flaps, 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... we hope you have nice flights with this model!

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