

AJ Aircraft 67" ARS 300 Data Sheet

Contents of Kit

- ARS 300 fuselage covered in genuine Ultracote
- Main wings w/ pre-hinged and sealed ailerons
- Horizontal stabilizer w/ pre-hinged elevators
- Vertical stabilizer w/ pre-hinged rudder
- Color matched one piece plastic canopy
- Color matched fiberglass cowl & wheel pants
- Color matched landing gear cuffs
- Carbon fiber main wing tube
- Carbon fiber main and tail landing gear
- Lightweight foam wheels w/ steel axles
- Matching set of side force generators
- Pre-drilled firewall with installed blind nuts
- Individual bags of high quality hardware
- Dual ball link and turnbuckles for all connections
- G-10 control horns
- Foil main wing bags

Recommended Equipment

- Electric Motor – Power by AJ Aircraft
 - AJ5220-20P/375KV
- Batteries – 6S LiPo
 - 3200 mAH to 5000 mAH
- ESC – Castle Talon 120A
- Propeller –20x10, 21x10 (Electric ONLY)
- 5 Channel Full Range Receiver
- Four high torque standard servos
- 3" or 75mm Spinner by AJ Aircraft
- Servo extensions:
 - (2) x 6" for ailerons
 - (1) x 24" for elevator
- Servo Arms:
 - (2) x 1.25" for ailerons
 - (2) x 1.25" for elevators
 - (1) x 2.5" for pull/pull for rudder

Recommended Tools Needed for Assembly

- Blue Painters Tape
- Denatured Alcohol & Paper Towels
- Blue Loctite
- Metric & Standard Allen Wrenches
- Hobby Knife & Fresh Blades
- 15 – 30 Minute Epoxy (or Gorilla Glue)
- Thin C/A
- Electric Drill with Assorted Small Bits
- Small Flat Head & Phillips Screwdrivers
- Sanding Block & Sandpaper
- Needle Nose Pliers
- Adjustable Wrench or Socket Set
- Measuring Tape & Ruler
- Fine-tip Sharpie Marker

Recommended CG Range and Control Throws

- ✓ The optimal center of gravity (CG) for the 67" ARS 300 is located 1" in front of the wing tube (+/- 1/2").

- ✓ **Aileron Control Throws**

- Low Rates – 15 deg. (30% Exp)
- Mid Rates – 30 deg. (40% Exp)
- High Rates – 45 deg. (50% Exp)

- ✓ **Elevator Control Throws**

- Low Rates– 15 deg. (30% Exp)
- Mid Rates– 30 deg. (40% Exp)
- High Rates – 45 deg. (50% Exp)

- ✓ **Rudder Control Throws**

- Low Rates– 15 deg. (30% Exp)
- Mid Rates – 30 deg. (40% Exp)
- High Rates – Max throw (50% Exp)