



At Precision Aerobatics, we developed the Ultimate AMR to deliver an aircraft unlike any other. Using advanced production techniques, including our revolutionary PA FiberFusion® construction, we created an airframe that is exceptionally light yet extremely strong.

Strategic carbon fiber reinforcement and meticulous weight reduction make **the Ultimate AMR the lightest biplane in its class**, with very low wing loading and outstanding flying characteristics.

Through extensive flight testing, we evaluated numerous equipment combinations and identified a direct link between the drive system and overall performance. To ensure the aircraft flies exactly as intended by our designer and test pilots, we developed our Integrated Performance Airframe-Drive Systems® (iPAs®).

## iPAs Set up when performance matter!

Each iPAs component has been selected based on extensive flight testing to ensure optimum performance, reliability, and handling, with many parts designed or modified specifically for the Ultimate AMR.

*All demonstration videos found on our site feature aircraft equipped with an iPAs® setup.*

Deviating from these recommendations may result in reduced performance and altered flight characteristics.

The Ultimate AMR is designed to deliver maximum performance without oversized, expensive power systems. Our recommended iPAs setup gives you strong, efficient power, long flight duration, and a perfectly balanced feel. It's lighter, more responsive, and easier on batteries and electronics than typical setups in this class. If you want the aircraft to fly exactly as intended — this is the system to run.

[visit PrecisionAerobatics.com](http://PrecisionAerobatics.com) for more information

## Specifications

**Wing span** - 40"/1014mm    **Length** - 43.08"/1095mm    **Wing loading** - approx 9.5oz sq ft!  
**Wing area** - 582.4 sq inch    **Flight weight (including battery)** ~ 38.45oz / 1089gr

Motor	<p><b>PA Thrust 45 Revo</b>, 24-pole Outrunner with Rotorkool® Technology   127 g brushless motor PA Item #AC-1888 with Carbon Fiber X mount.</p> <p><i>Using a motor larger or more powerful than specified may damage the motor box or result in airframe failure.</i></p>
ESC	<b>PA Quantum 45A Evo</b> ESC PA Item #AC-2189Evo
Battery	<b>PA Gen2 LiPo 3S pack</b> 11.1v 2200mAh 30-60C PA Item #AC-1992
Servos	<b>4 of Nexatec NXT 70HV</b> servo PA Item #AC-2333-4
Propeller	<p><b>Vox 13x8 propeller</b> PA item # AC-2109  Ideal for extreme 3D and freestyle, tuned for both high-speed and slow, graceful maneuvers. The extra thrust gives solid traction in slow 3D (harrier rolls, KE), while excellent propwash adds stability in AOA harriers. Great punch for recovery from awkward positions, perfect for learning hovers or torque rolls. Delivers moderate-speed maneuvers with a "giant-scale" look. Note: Ensure proper motor and ESC cooling and manage throttle carefully.</p> <p><b>Vox 13x7 propeller</b> PA item # AC-2108  Good lower range overall propeller for aerobatics and basic 3D flying. Lower flight speed with higher efficiency, longer flight duration and additional thrust. Lighter weight (faster spool up).</p>
Radio	6 channel lightweight receiver
Carbon Fiber Spinner	<b>1.8" Ultimate Style CF Spinner</b> (CNC Machined) PA Item # AC-2048 Factory pre-cut, this ultra-lightweight carbon fiber spinner features a premium high-gloss finish. Each unit is individually tested in-house to guarantee it spins centered and true for vibration-free performance.
Carbon Fiber Servo Arms	<b>PA Carbon Fiber Servo Arms</b> (# AC-1918) These CNC-machined lightweight arms are essential for achieving the perfect geometry and full control throws required for 3D flight.

