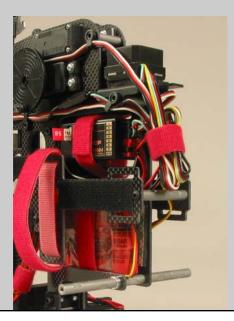
More Features of the X-Cell Ion-X



New design radio compartment provides more protection for radio components and reduces weight.

Optional Battery Systems

Complete Battery packs available from Miniature Aircraft designed for easy installation on the Ion-X

IX6000 - 5S3PU

8-10C 6000 Mah Rating 660 grams Weight Flight Time 9-12 minutes

IX8000 - 5S4PU

8-10C 8000 Mah Rating 870 grams Weight Flight Time 12-15 minutes

Technical Data for Kit #1024

Overall Length 1346 mm Overall Height 432 mm

Main Rotor Diameter Up to 1584 mm

Tail Rotor Diameter 262 mm Blade Lengths Supported 680-710 mm

T/R Gear Ratio 4.66:1

Collective Pitch Range 25 Degrees

Ball Bearing Count 44 radial ball bearings 4 thrust bearings

1 sprag bearing

Total Weight (weight can vary depending on blades receiver, gyro and battery used) 9.7 lbs ready to fly (using 6000mah batteries)

Available Ion-X Kits

#1024 - Ion-X Kit - Standard

- Complete kit with two-stage gear reduction
- Includes Hacker motor and speed controller
- All wiring ready to plug-in

#1024-2 - Ion-X Kit - without power unit

- Same as Kit #1024
- Hacker motor and speed controller not included.
- Designed for use with high rpm motors

#1024-6 - Ion-X Kit - sport version

- Single stage gear reduction
- · Main gear and single stage drive kit sold sepa-
- Available gear ratios 5:43 to 9.5:1
- Designed for use with lower rpm out-runner motors (motor shaft must extend a minimum of 55.0 mm.)

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Standard Features of the X-Cell Ion-X



We've done it again! After designing the most advanced glow powered helicopters in the world, we've turned our attention to electric power! Based on our proven Fury Extreme/Tempest models, we've designed the most advanced electric helicopter in the world.

Introducing, the new X-Cell Ion-X!!

- Designed to perform like a .90 glow powered helicopter Fully 3-D capable
- · High center of gravity design. Fore/Aft Center of Gravity easily adjusted
- Main power packs easily removed
- New design inner frame mount for electronics provides additional protection. Location points for all wiring and retainers
- Optimized for use of lithium polymer batteries (8 to 10 series), but will perform with nickel chemistry batteries (28-32 cells). The use of lithium batteries offers as much as 15-16 minutes of flight time.
- Full Graphite Main Frame construction with PEM nuts factory installed
- Two Stage Gear Reduction Drive (Kits #1024, #1024-2)
- Proven Self-Aligning main gear mesh. Gear ratios easily changed.
- Power unit gear mesh easily aliqued/adjustable
- Rubber Shock Mounted Hacker motor base (Kits #1024, #1024-2)
- Easily utilize sport or scale motor/controller combinations
- New design epoxy glass lightweight canopy with full color canopy striping kit four point mount retained by CNC knobs.
- Easy Construction/Low Parts Count! Still the best value in the industry!

Major Components of the X-Cell Ion-X



Rotor Head

- CNC Aluminum head block
- Adjustable bell-hiller ratio
- Plastic Blade Grips with M5 Pivot Bolts
- Proven "C" Clip Blade Axle Design
- Includes Thrust Bearings
- Full Ball Bearing Design
- One-piece anti-rotation quide
- Precision CNC aluminum swashplate
- 120° CCPM control
- 10mm mainshaft supported by 3 bearings

Tail Rotor

- CNC Aluminum gear case
- Heavy Duty T/R hub
- Fully Ball-Bearinged System
- Radial/Thrust bearing T/R construction
- 95mm T/R blades included
- 33" Ultra graphite tail boom
- Heavy Duty pinned graphite tube drive
- Graphite Fins
- Dual Boom Supports



Power Train

- Proven split-gear driven autorotation unit
- Self Aligning main gear mesh
- Two-stage gear reduction drive in kits #1024 and #1024-2
- Motor Unit gear mesh easily aligned
- Supports gear ratios 17.0:1 thru 25.3:1
- Hacker motor and Speed Controller standard in kit #1024 - includes plugs, fan and wires all pre-wired for easy installation
- Pinion Gears Available: 15 or 16 tooth
- Secondary Gears Available:
 - 50, 52, 54, 56, 58, or 60 teeth