SUPER Chipmunk-EP

Speed 400 motor
Requires: 4 channel radio w/4 micro servos,
15A (8 cells) speed controller,
8 cells 1000 mAh battery & charger.

Specifications

<p>| | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Wing Span</td>
<td>39.5 in</td>
<td>1000 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>260 sq in</td>
<td>16.8 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>25.5 oz</td>
<td>720 g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>32.0 in</td>
<td>810 mm</td>
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*Specifications are subject to change without notice.*

Warning! This model is not a toy.
It is designed for maximum performance. Please seek advice if one is not familiar with this kind of electric powered precision model. Operating this model without prior preparation may cause injuries. Remember, safety is the most important thing. Always keep this instruction manual at hand for quick reference.
BEFORE YOU BEGIN

1 Read through the manual before you begin, so you will have an overall idea of what to do.

2 Check all parts. If you find any defective or missing parts contact your local dealer. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will not extend to the parts that are good before gluing to defective parts during assembly. Warranty will not cover any parts modified by customer.

3 Symbols used throughout this instruction manual comprise of the following:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<tbody>
<tr>
<td>AB</td>
<td>Apply epoxy glue.</td>
</tr>
<tr>
<td>C.A</td>
<td>Apply instant glue (C.A.glue, super glue.)</td>
</tr>
<tr>
<td></td>
<td>Ensure smooth non-binding movement while assembling.</td>
</tr>
<tr>
<td></td>
<td>Cut off shaded portion.</td>
</tr>
<tr>
<td>L/R</td>
<td>Assemble left and right sides the same way.</td>
</tr>
<tr>
<td>N.I.</td>
<td>Must be purchased separately!</td>
</tr>
<tr>
<td>3mm</td>
<td>Drill holes with the specified diameter (here: 3mm).</td>
</tr>
<tr>
<td>!</td>
<td>Pay close attention here!</td>
</tr>
<tr>
<td>! Warning!</td>
<td>Do not overlook this symbol!</td>
</tr>
</tbody>
</table>
Parts list

1. MAIN WING--1 pair
2. PUSHROD Ø1. 4X75mm w/Threads (For Aileron)--2 pcs
   STRAPER--2 pcs
   SCREW PM2X12mm--4 pcs
   CLEVIS--2 pcs
   FUEL TUBE D4xD2X4mm--4 pcs
   HORN--2 sets
3. STABILIZER & ELEVATOR --1 set
   FUSELAGE--1 pc.
4. TAIL LANDING GEAR --1 set
   SCREW PA2X8mm--2 pcs
   VERTICAL FIN & RUDDER--1 set
5. PUSHROD Ø1.4X430mm w/Threads (For Elevator)--2 pcs
   SCREW PM2X8mm--4 pcs
   CLEVIS--2 pcs
   FUEL TUBE D4xD2X4mm--2 pcs
   HORN--2 sets
6. PUSHROD Ø1.4X400mm w/Threads (For Rudder)--1 pcs.
   CLEVIS--1 pc.
   SCREW PM2X6mm--2 pcs
   HORN--1 set
   FUEL TUBE D4xD2X4mm--1 pc.
7. SPEED 400 MOTOR--1 set
   PLYWOOD (F1)3X53, 1X53.8mm--1 pc.
   M2 NUT--2 pcs
   SCREW PM2X12mm--4 pcs
   WASHER d2X5mm--2 pcs
   GEARBOX--1 set
   COWLING--1 pc.
   SCREW PWA2X8mm--4 pcs
   SPINNER Ø36mm--1 pc.
   PROPPELLER--1 set
7A. M2 NUT--4 pcs
   SCREW PM2X2mm--4 pcs
   WASHER d2X5mm--8 pcs
   PLYWOOD (F1A)3X53, 1X53.8mm--1 pc.
   PLYWOOD (F1B)3X36X42mm--1 pc.
   CARBON FIBER TUBE d3XD5X11mm--4 pcs
8. PUSHROD CONNECTOR--1 set
   BATTERY TIE--1 pc.
   SPONGE--1 pc.
   DOUBLE-SIDED TAPE--1 pc.
   FUEL TUBE D4xD2X4mm--2 pcs
   PUSHROD Ø1. 4X80mm (For Elevator Servo)--1 pc.
   STRAPER--2 pcs
9. SCREW PM2. 5X20mm--2 pcs
   WASHER d2. 5X8mm--2 pcs
10. MAIN LANDING GEAR--1 pc.
    SCREW PA2. 3X12mm--4 pcs
    COLLAR Ø2. 6mm w/setscrew--2 sets
    LANDING WIRE STRAPS 12X27mm--2 pcs
    MAIN WHEEL Ø40mm--2 pcs
11. CANOPY--1 pc.
    SCREW PWA2X8mm--4 pcs
    PILOT--1 pc.
12. DECALS--1 set

● COVERING:
   LIGHTEX SGX 205
   LIGHTEX SGX 310 RED
   LIGHTEX SGX 350 CORSAIR BLUE
   LIGHTEX SGX 100 WHITE
1 Main Wing

● Apply instant type CA glue to both sides of each hinge.

2 Aileron Servos

- Ø1mm pilot holes for World Models tri-horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.
3 Stabilizer & Elevator
Temporary install the main wing, adjust leveling of the stabilizer to make it as parallel to the main wing as possible.

- Apply instant type CA glue to both sides of each hinge.

4 Vertical Fin/Rudder & Tail Landing gear
PA2x8mm Screw

- Bottom View
- Apply instant type CA glue to both sides of each hinge.

Completed
5 Elevator Pushrod

- Ø1mm pilot holes for World Models tri-horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.

6 Rudder Pushrod

- Ø1mm pilot holes for World Models tri-horn are pre-drilled. Please look for pin-hole marks at side of control surfaces.
**7 Motor / Cowling**

| M2.6 x 7mm Sock Head Screw | 2 |
| PM2 x 12mm Screw | 4 |
| PWA2 x 8mm Screw | 4 |
| PA2.6 x 10mm Screw | 2 |
| M2 Nut | 2 |
| d2 x D5mm Washer | 2 |
| M3x3mm Set Screw | 1 |

- This step is for Geared Speed 400 motor set up. Please follow step 7A for Direct Drive Brushless motor set up.

![](Image)

**7A Brushless motor / Cowling**

| PM2 x 22mm Screw | 4 |
| M2 Nut | 4 |
| d2 x D5mm Washer | 8 |
| d3xD5xX11mm Carbon Fibre Tube | 4 |

- This step is for Direct Drive Brushless motor set up. Please follow step 7 for Geared Speed 400 motor set up.

![](Image)

**Notes:**
- TO ALLOW FOR BACKLASH OF MATCHING GEAR, PUT A PIECE OF THIN PAPER BETWEEN THE GEARS AND THEN TIGHTEN THE M2.6x7mm SCREWS. REMOVE THE PAPER BEFORE FLYING.
8 Radio Equipment

- Receiver wrapped up in sponge.

9 Main Wing

PM2.5x20mm Screw 2
d2.5xD8mm Washer 2

10 Main Landing gear

PA2.3x12mm Screw 4
2.6mm Collar 2

M3x3mm Set Screw

PA2.3x12mm Landing wire straps

2.6mm Collar

62mm

54mm

1.5mm
11 Canopy

- First insert the grommet to the canopy then apply screw.

12 Wing Setting

- Adjust the wing and fuselage configuration as in the diagrams.
**13 Control Throws**

Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

![Control Throws Diagram](image)

**14 C.G.**

The ideal C.G. position is 65mm (2.56in.) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.

![C.G. Diagram](image)

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**Warning! Important Safety Precautions**

# First time flyer should never fly by himself/herself. Assistance from experienced flyer is absolutely necessary.

# Pre-flight adjustment must be done before flying, it is very dangerous to fly a badly pre-adjusted aircraft.

# **SUPER Chipmunk-EP** is specially designed to be powered by **geared speed 400 motor**.

# Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller.

# If you find wrinkles on the covering as a result of weather changes, you can use hot iron to remove the wrinkles. Please begin with lower temperature setting and gradually raise the temperature until the wrinkles are gone. Too hot an iron may damage the covering.

# Check and re-tighten up all factory assembled screws, use thread locker if applicable.
Product Registration Form (US Customers)

We would like to share with you any relevant information regarding your model, including product news and free upgrade parts when applicable. Please fill in the following and send to AirBorne Models, 4749-K, Bennett Drive, Livermore, CA 94551 USA.

1. Name:__________________________________________________________

2. Address:_____________________________________________________________________

3. Phone #:__________________________ E-mail: ____________________________

4. Model:_______________________________________________________________
Wing QC# ________ Fuselage QC# ________________________________
(QC numbers are stamped on wing and fuselage)

5. Date of Purchase:______________________________

6. Store Name:__________________________________________________________

Please call AirBorne Models at 925 371 0922 for any assistance in filling this form. Thank you very much for purchasing our product.
Ducted Fan
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Warbirds
Funfly
Scale
Electric
Sports
Glider
Trainer
Boat
Accessories
Covering
(Lightex / Toughlon)