Crazy Panda

Lazy Cub

0.40 cu.in. displacement 2-cycle
Radio required: 3 channels, 3 servos airplane radio

Specifications

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Wing Span</td>
<td>61.5 in / 1560mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>1175 sq in / 75.8 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>4.2 lb / 1900g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>49 in / 1240mm</td>
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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 engine 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 be difficult to extend to the good parts that are good before gluing to defective parts during assembly.

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

- **AB**: Apply epoxy glue.
- **C.A**: Apply instant glue (C.A.glue, super glue.)
- **L/R**: Assemble left and right sides the same way.
- **Ensure smooth non-binding movement while assembling.**
- **Peel off shaded portion covering film.**
- **Cut off shaded portion.**
- **Drill holes with the specified diameter (here: 3mm).**
- **Must be purchased separately!**
- **Pay close attention here!**
- **Warning!**

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## Parts List

1. **FUSELAGE** - 1 pc
2. **MAIN WING** - 1 pc
3. **STABILIZER & ELEVATOR** - 1 set
4. **VERTICAL FIN & RUDDER** - 1 set
5. **CANOPY & WINDOWS** - 1 set
6. **SPINNER Ø22mm** - 1 pc
7. **ENGINE MOUNT PL5111-030** - 1 set
8. **FUEL TANK 320cc** - 1 set
9. **MAIN LANDING GEAR** - 1 pair
10. **TAIL LANDING GEAR** - 1 set
11. **MAIN WHEEL Ø95x24x24mm** - 2 pcs
12. **TAIL WHEEL Ø26mm** - 1 pc
13. **PUSHROD:**
   - **BALSA ROD Ø8x240mm** (For Elevator & Rudder Servo) - 2 pcs
   - **METAL ROD Ø1.8x145mm** (For Elevator & Rudder Servo) - 2 pcs
   - **METAL ROD Ø1.8x180mm w/Threads (Elevator & Servo)** - 1 pc
   - **METAL ROD Ø1.8x185mm w/Threads (For Elevator Servo)** - 1 pc
   - **METAL ROD Ø1.8x190mm w/Threads (For Elevator Servo)** - 1 pc
14. **THROTTLE PUSHPULL WIRE Ø1.2x380mm**
   - w/Plastic tube d2x3x230mm - 1 set
15. **WOODEN PARTS:**
   - **BALSA 10x10x106mm** (For Fixing Fuel Tank) - 1 pc
   - **BALSA 10x45x100mm** (Wing Joiner) - 1 pc
   - **PLYWOOD 3x35x103mm** (Wing Protection) - 1 pc
16. **PLASTIC PARTS:**
   - **CLEVIS** - 3 pcs
   - **HORN** - 3 sets
   - **PLATE** - 2 pcs
   - **SILICON GROMMET d1.5xD6.5mm**
     (For Cowling & Canopy) - 4 pcs
17. **METAL PARTS:**
   - **LINKAGE STOPPER 2.1mm** - 3 pcs
   - **COLLAR 2.1mm w/set screw** - 1 set
   - **COLLAR 3.1mm w/set screw** - 4 sets
   - **NUT 3mm** - 8 pcs
   - **SCREW PA2x12mm** - 6 pcs
   - **SCREW PM2x16mm** - 6 pcs
   - **SCREW PM3x25mm** - 4 pcs
   - **SCREW PM3x30mm** - 6 pcs
   - **SCREW PWA2.3x8mm** - 4 pcs
   - **WASHER D3xD7mm** - 12 pcs
   - **WASHER D3xD12mm** - 2 pcs
18. **FUEL TUBE Ø6x5mm** - 3 pcs
   - **HEAT-SHRINK TUBE Ø10x40mm** - 4 pcs
19. **DECALS:**
   - **ST200 013** - 1 set
1 Main Wing

2 Stabilizer
3 Vertical Fin / Rudder

- PA3x12mm Screw: 2
- 3mm Set Screw: 1
- 2.1mm Collar: 1

Please study item 16 before you glue.

4 Landing Gear

- PA3x12mm Screw: 4
- 3mm Set Screw: 4
- 3.1mm Collar: 4

Collar Ø3.1mm

3mm Set Screw

Wheel Ø95x24x24mm

PA3x12mm

PA3x12mm
5 Rudder Pushrod

- 1.8x130mm
- Heat-shrink Tube Ø10x40mm
- 8x240mm
- Fuel Tube Ø6x5mm

Be Careful not to scorch the heat-shrink tube!

Completed

6 Elevator Pushrod

- 1.8x130mm
- Heat-shrink Tube Ø10x40mm
- 8x240mm
- Fuel Tube Ø6x5mm

Be Careful not to scorch the heat-shrink tube!

Completed

7 Servo Set

<table>
<thead>
<tr>
<th>LINKAGE STOPPER</th>
<th>3x3mm Set Screw</th>
<th>3</th>
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<tbody>
<tr>
<td>Linkage Stopper</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>2mm Nut</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>2mm Washer</td>
<td>6</td>
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Throttle Pushwire, Rudder Pushrod, Elevator Pushrod.

N.I. Included with the Radio Set.

N.I. Throttle Servo, Rudder Servo, Elevator Servo.

! Please refer to attached sheet for linkage stopper installation.

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8 Radio Equipment

- Install and arrange the servo as shown in the diagram.

9 Linkage

PM2x16mm Screw

- Bottom View
10 Fuel Tank

Fuel Tank 320cc

Install Balsa 10x10x106mm (For fixing fuel tank)

Fuel Tank

11 Engine Mount

PM3x25mm Screw

4

d3xD7mm Washer

4

Engine Mount PL5111-030

PM3x25mm

d3xD7mm

You may need to fasten the engine to the engine mount (item 12) before fixing the engine mount to the firewall.
12 Engine

PM3x30mm Screw
3mm Washer
3mm Nut

Install Engine position
Spinner Ø22mm

104mm 4.09 in.

PM3x30mm

3mm

3mm

3mm

Throttle Pushwire w/plastic tube

13 Windows

L/R
16 Wing Setting

Adjust the wing and fuselage configuration as in the diagrams.

A = A'
B = B'
C = C'
D = D'

17 Control Ranges

Choose a calm day for initial flights.
Use the recommended elevator and rudder throws and increase your control throws after you are familiar with the flying characteristics.
This plane is not designed to fly fast.
It may start to flutter if full throttled during level flights.
Use power only for climbs, not dives.

Elevator

18mm

18mm

Rudder

18mm

18mm
18 C.G.

The ideal C.G. position is 160mm (6.30 in.) 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.

160mm
6.30 in.

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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.

#**LAZY** is specially designed to be powered by 4C 0.52 engine, using a more powerful engine does not mean better performance. In fact, over powered engine may cause severe damage and injuries.

#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.