

XFLY-MODEL X2100

X2100 Glider PNP Instruction Manual

Brand: XFLY-MODEL | Model: X2100

1. PRODUCT OVERVIEW

The XFLY-MODEL X2100 Glider PNP is a high-performance RC FPV aircraft engineered for superior flight characteristics and versatility. Its design prioritizes extended flight duration and inherent stability, making it suitable for various aerial applications.

- **Optimized Design:** The glider's layout offers natural advantages in flight time and stability.
- **Twin Power Systems:** Equipped with dual power systems and a large wingspan, providing ample space for future payload additions.
- **Capacious Battery Compartment:** Designed to accommodate common 4S LiPo batteries or 21700 batteries for optimized flight times.
- **Tool-Free Assembly:** All components can be assembled without glue and fixed with screws, ensuring a safe and reliable design.
- **Gimbal Ready:** A dedicated installation position is reserved on the nose section for a standard two-axis gimbal, with options for user modification.

2. SAFETY INFORMATION

WARNING: This product is not intended for use by children under 14 years of age!

Always operate the aircraft in open areas, away from people, buildings, and other obstacles. Ensure all components are securely fastened before each flight. Read and understand the entire manual before operation.

3. SETUP AND ASSEMBLY

The X2100 Glider is designed for straightforward assembly without the need for adhesives. Follow these steps for initial setup:

1. **Wing Attachment:** Securely attach the wings to the fuselage using the provided screws. The design allows for precise alignment.
2. **Tail Section:** Fasten the horizontal and vertical stabilizers to the rear of the fuselage.
3. **Motor and Propeller Installation:** Ensure the twin motors and propellers are correctly installed and secured.
4. **Battery Installation:** Place your 4S LiPo or 21700 battery into the spacious battery compartment in the nose

section. Secure it with the provided strap.

5. **Receiver and Flight Controller (PNP):** Connect your receiver and any additional flight control systems within the fuselage. Ensure all wiring is neat and secure.
6. **Gimbal/Payload (Optional):** If using, install your two-axis gimbal or other payload in the designated nose position.



Figure 3.1: Wing connection point, designed for glue-free assembly with screws.



Figure 3.2: Spacious battery compartment for optimal flight times.



Figure 3.3: Nose section with reserved gimbal installation position.

4. OPERATING INSTRUCTIONS

The X2100 Glider is designed for stable and responsive flight. Ensure your transmitter is properly bound and calibrated before attempting flight.

- **Pre-Flight Check:** Verify all control surfaces move freely and in the correct direction. Check battery levels on both the aircraft and transmitter.
- **Hand Launch:** The glider is typically hand-launched. Apply full throttle and gently push the aircraft forward and slightly upwards into the wind.
- **Flight Control:** Utilize the twin power systems for efficient cruising and climbing. The large wingspan provides excellent gliding capabilities.
- **Landing:** Reduce throttle and guide the aircraft into a gentle descent. Aim for a smooth, level landing on a soft surface to prevent damage.

[Official Flight Video](#)

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your X2100 Glider.

- **Post-Flight Inspection:** After each flight, inspect the airframe for any damage, cracks, or loose components.
- **Propeller Check:** Examine propellers for chips or bends. Replace damaged propellers immediately to maintain balance and efficiency.
- **Motor Inspection:** Check motors for any debris or signs of overheating.
- **Battery Care:** Store LiPo batteries at a storage charge and in a fire-safe bag when not in use. Do not overcharge or over-discharge.
- **Cleaning:** Wipe down the aircraft with a soft, damp cloth to remove dirt and dust. Avoid using harsh chemicals.

6. TROUBLESHOOTING

If you encounter issues with your X2100 Glider, refer to the following common troubleshooting tips:

- **Aircraft Not Responding:** Check transmitter battery, aircraft battery, and receiver connections. Re-bind the receiver if necessary.
- **Poor Flight Performance:** Verify control surface throws and trim settings. Ensure propellers are correctly installed and undamaged. Check for any physical damage to the airframe.
- **Motor Issues:** Inspect motor wires for loose connections. Ensure motors are free of obstructions.
- **Short Flight Times:** Ensure batteries are fully charged and in good condition. Check for excessive drag or inefficient propeller setup.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	82.7 x 41.3 x 30 inches
Item Weight	7.24 pounds
Country of Origin	China
Manufacturer	XFLY-MODEL
Manufacturer Recommended Age	12 months and up (Note: Safety information recommends 14+ for operation)



Figure 7.1: X2100 Glider dimensions (2100mm wingspan, 1050mm length).

8. PRODUCT IMAGES



Figure 8.1: Side view of the X2100 Glider, highlighting its sleek design.



Figure 8.2: Underside view showing the twin power systems for enhanced thrust.



Figure 8.3: Underside view of the fuselage, featuring the integrated landing wheel.



Figure 8.4: Detail of the wing connection, designed for secure,

glue-free assembly.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact XFLY-MODEL customer service through their official channels. Refer to the product packaging or the manufacturer's website for specific contact details and warranty terms.