

E-flite EFLG130

E-flite Nose Gear 90-Degree Electric Retract (EFLG130) Instruction Manual

Model: EFLG130

1. SAFETY INFORMATION

WARNING: Before operating this product, it is essential to read and understand the entire instruction manual. Failure to follow these instructions can lead to product damage, personal property damage, and serious injury.

- This is a sophisticated hobby product requiring caution, common sense, and basic mechanical ability for safe operation.
- Do not use this product without direct adult supervision if the user is a child.
- Avoid using incompatible components or altering the product in any way not specified by Horizon Hobby, LLC.
- Always follow all instructions and warnings provided in the manual for assembly, setup, and use to ensure correct operation and prevent damage or injury.

2. PRODUCT OVERVIEW

The E-flite EFLG130 is a 90-degree electric retract designed for remote-controlled aircraft nose gear applications. It provides reliable retraction and extension of the nose landing gear, enhancing the realism and aerodynamics of your model.



Figure 1: The E-flite EFLG130 Nose Gear 90-Degree Electric Retract, shown with included mounting screws. This unit is designed for remote-controlled aircraft.

3. WHAT'S IN THE BOX

- 1x Nose Gear 90-Degree Electric Retract (EFLG130)
- Mounting Screws (as typically included with the unit)

4. SPECIFICATIONS

Feature	Detail
Model Number	EFLG130
Brand	E-flite
Manufacturer	Horizon Hobby
Type	90-Degree Electric Retract
Material	Plastic
Item Weight	0.05 Kilograms
Item Dimensions (L x W x H)	4 x 3 x 1.07 inches
Power Source	Corded Electric
Assembly Required	No (as a unit, but installation into aircraft is required)

5. INSTALLATION AND SETUP

The EFLG130 electric retract is designed for integration into compatible remote-controlled aircraft.

1. **Aircraft Preparation:** Ensure your aircraft's nose gear bay is prepared according to the aircraft's specific instruction manual for retract installation.
2. **Mounting:** Securely attach the EFLG130 retract unit into the designated nose gear bay using the provided mounting screws. Ensure the unit is oriented correctly for proper retraction and extension.
3. **Steering Arm/Landing Gear Attachment:** This retract unit is typically a replacement part and may not include the steering arm assembly or the steel struts and couplings needed to attach the landing gear. You will likely need to disassemble the retract unit to access the block that holds your landing gear in place and transfer these components from your previous unit or acquire them separately. Refer to your aircraft's manual for specific instructions on attaching the landing gear strut and steering mechanism.
4. **Electrical Connection:** Connect the retract's servo lead to the appropriate channel on your aircraft's receiver or flight controller. Consult your aircraft's manual for the correct channel assignment for landing gear operation.
5. **Function Test:** Before flight, perform a thorough function test to ensure the retract extends and retracts smoothly and reliably. Check for any binding or obstruction.

6. OPERATION

The E-flite EFLG130 electric retract operates by receiving a signal from your aircraft's receiver, typically controlled by a switch on your radio transmitter.

- **Retraction:** Activating the designated switch on your transmitter will send a signal to the retract unit, causing the nose gear to retract into the aircraft's fuselage.
- **Extension:** Activating the switch again will cause the nose gear to extend, preparing the aircraft for landing.
- Ensure the retract mechanism moves freely and without obstruction during both retraction and extension cycles.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your electric retract unit.

- **Inspection:** Periodically inspect the retract unit for any signs of wear, damage, or loose connections. Check the mounting screws for tightness.
- **Cleaning:** Keep the retract mechanism free from dirt, dust, and debris. A soft brush or compressed air can be used for cleaning. Avoid using harsh chemicals.
- **Lubrication:** Lightly lubricate moving parts with a suitable plastic-safe lubricant if recommended by the manufacturer (consult Horizon Hobby support if unsure). Avoid over-lubrication.

8. TROUBLESHOOTING

If you encounter issues with your EFLG130 electric retract, consider the following troubleshooting steps:

- **Retract Not Functioning:**
 - Check all electrical connections to ensure they are secure and correctly plugged into the receiver.
 - Verify that the receiver is powered on and receiving power.
 - Confirm that the transmitter switch assigned to the landing gear is functioning correctly.
 - Inspect for any physical obstructions preventing the gear from moving.
- **Intermittent Operation:**
 - Check for loose wiring or intermittent connections.
 - Ensure the power supply to the receiver and retract is stable.
 - Inspect for debris or minor binding in the mechanism.
- **Noisy Operation:**
 - A certain level of operational noise is normal for electric retracts.
 - Excessive or unusual noise may indicate binding, wear, or damage. Inspect the mechanism for foreign objects or worn gears.

If troubleshooting steps do not resolve the issue, contact Horizon Hobby customer support for further assistance.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Horizon Hobby, the manufacturer of E-flite products.

Manufacturer: Horizon Hobby

Please refer to the official Horizon Hobby website or product packaging for the most current contact information and warranty details.