

E-flite® 60- to 120-Size Strut Ready 95° Rotating Retractable Gear

Instruction Manual | Bedienungsanleitung | Manuel d'utilisation | Manuale di Istruzioni

(EFLG520, EFLG520F4U, EFLG52001L, EFLG52001R, EFLG52002L, EFLG52002R)

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit horizonhobby.com and click on the support tab for this product.

Meaning of Special Language

The following terms are used throughout product literature to indicate various levels of potential harm when operating this product:

NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND a little or no possibility of injury.

CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product. It must be operated with care and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not attempt disassembly, use with incompatible components or augment product in any way without the approval and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

Age Recommendation: Not for children under 14 years. This is not a toy.

REQUIRED TOOLS

- File
- Threadlock
- Screwdriver
- Rotary tool with cutoff wheel

SPECIFICATIONS

Current draw	Idle: 5mA; Operating: 900mA (maximum)
Operating voltage range	4.8–6.0V
Aircraft weight	8.0–15.0 lb (3.63–6.80 kg)
Unit weight	130 g (4.6 oz) each
Pulse width trigger points	Down: 1.331ms; Up: 1.690ms
Operation with FM and DSM	FM: 22ms frame rate, 5V signal DSM: 20ms frame rate, 3.3V signal
Sequence time	@ 4.8V 1.25sec; @ 6.0V 1sec

HINWEIS

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ACHTUNG: Wenn diese Verfahren nicht korrekt befolgt werden, ergeben sich wahrscheinlich Sachschäden UND die Gefahr von schweren Verletzungen.

WARNING: Wenn diese Verfahren nicht korrekt befolgt werden, ergeben sich wahrscheinlich Sachschäden, Kollaterschäden und schwere Verletzungen ODER mit hoher Wahrscheinlichkeit oberflächliche Verletzungen.

Nicht geeignet für Kinder unter 14 Jahren. Dies ist kein Spielzeug.

SPEZIFIKATIONEN

Stromaufnahme	Leerlauf: 5mA; Betrieb: 900mA (Maximum)
Betriebsspannung	4.8–6.0V
Luftfahrtgewicht	3.63–6.80 kg
Gewicht	Fahrwerk 130 g (je)
Pulsbreite Triggerpunkte	Runter: 1.331ms; Rauf: 1.690ms
Betrieb mit FM und DSM	FM: 22ms frame rate, 5V signal DSM: 20ms frame rate, 3.3V signal
Sequenzzeit	bei 4.8V 1.25sec, bei 6.0V 1sec

REDFERDERRICHES WERKZEUG

- Felle
- Schraubensicherungslack
- Schraubendreher
- Handbohrer mit Trennscheibe

REDFERDERRICHES WERKZEUG

Stromaufnahme	Leerlauf: 5mA; Betrieb: 900mA (Maximum)
Tension d'alimentation	4.8–6.0V
Masse de l'avion	3.63–6.80 kg
Gewicht d'une unité	Train principal 130 g (chaque unité)
Largeur d'impulsion des points de déclenchement	Bas: 1.331ms; Haut: 1.690ms
Fonctionnement en FM et DSM	FM: taux de rafraîchissement 22ms, signal 5V DSM: taux de rafraîchissement 20ms, signal 3.3V
Durée de la séquence	@ 4.8V 1.25s, @ 6.0V 1s

AVVISO

Tutte le istruzioni, le garanzie e gli altri documenti pertinenti sono soggetti a cambiamenti a totale discrezione di Horizon Hobby, LLC. Per una documentazione aggiornata sul prodotto, visitare il sito horizonhobby.com e fare clic sulla sezione Support del prodotto.

Convenzioni terminologiche

Nella documentazione relativa al prodotto vengono utilizzati i seguenti termini per indicare i vari livelli di pericolo potenziale durante l'uso del prodotto:

AVVISO: indica procedure che, se non debitamente seguite, possono determinare il rischio di danni alle cose E il rischio minimo o nullo di lesioni alle persone.

ATTENZIONE: indica procedure che, se non debitamente seguite, determinano il rischio di danni alle cose E di gravi lesioni alle persone.

AVVERTENZA: indica procedure che, se non debitamente seguite, determinano il rischio di danni alle cose, danni collaterali e gravi lesioni alle persone O il rischio elevato di lesioni superficiali alle persone.

AVVISO: leggere TUTTO il manuale di istruzioni e familiarizzare con le caratteristiche del prodotto prima di farlo funzionare. Un uso improprio del prodotto può causare danni al prodotto stesso e alle altre cose e gravi lesioni alle persone.

Questo aeromodellino è un prodotto sofisticato per appassionati di modellismo. Deve essere azionato in maniera attenta e responsabile e richiede alcune conoscenze basilarie di meccanica. L'uso improprio o irresponsabile di questo prodotto può causare lesioni alle persone e danni al prodotto stesso o alle cose. Questo prodotto non deve essere utilizzato dai bambini senza la diretta supervisione di un adulto. Non tentare di smontare, utilizzare componenti incompatibili o modificare il prodotto in nessun caso senza provva di approvazione di Horizon Hobby, LLC. Questo manuale contiene le istruzioni per la sicurezza, l'uso e la manutenzione del prodotto. È fondamentale leggere e seguire tutte le istruzioni e le avvertenze del manuale prima di montare, impostare o utilizzare il prodotto, al fine di utilizzarlo correttamente e di evitare di causare danni alle cose o gravi lesioni alle persone.

Almeno 14 anni. Non è un giocattolo.

ATTREZZI NECESSARI

- Lima
- Tournevis
- Frein fillet
- Cacciavite
- Trapano con disco da taglio

ATTREZZI NECESSARI

Assorbimento di corrente	Fermo: 5mA; Operativo: 900mA (massimo)
Tensione operativa	4.8–6.0V
Peso dell'aereo	3.63–6.80 kg
Peso dell'unità	Carrello principale 130 g ciascuno
Larghezza dell'impulso	Basso: 1.331ms; Alto: 1.690ms
Funzionamento con FM e DSM	FM: 22ms frame rate, 5V segnale DSM: 20ms frame rate, 3.3V segnale
Durata della sequenza	@ 4.8V 1.25sec, @ 6.0V 1sec

INSTALLATION

NOTICE: Always ensure the retracts and wheels are installed so that there are no obstructions when extending and retracting the struts and the aircraft rolls straight when the rudder is at neutral. Failure to do so could result in damage to the aircraft or gear.

1. Loosely assemble an axle (**E**), screws (**D**), your wheel and wheel collar (**G**) and setscrew (**F**) on each retract strut. If needed, use nylon washers as spacers to prevent the wheel from rubbing on the strut.
2. Insert the single connector of the wire harness into the Gear port of your receiver (**I**). An auxiliary port may be used if the Gear port is in use.
3. Loosen the setscrew, remove the wheel collar and use a file to make a flat spot (**H**) on the wheel, then replace the collar on the axle. Use threadlock when tightening the setscrew.
4. Connect the retracts to your receiver and extend the struts (if needed) to position the unit in your aircraft. Mark screw positions using the screw holes in the strut.
5. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

OPTIONAL STRUT INSTALLATION (sold separately)
1. Operate the retract.
2. Install the left and right retracts in your aircraft (right retract (**S**) shown) using the included M3x20 screws or M3 countersunk wood screws.
3. Assemble a wheel on each optional strut using the axle and the setscrew in the bottom of the strut. If needed, use the nylon washers (**R**) as spacers to prevent the wheel from rubbing on the strut.
4. Tighten the setscrew (**Q**) on the axle using threadlock.
5. Measure and cut the retract strut to length, as needed. Install the optional strut on the strut in the retract, aligning the strut/wheel so that the aircraft rolls straight.
6. Tighten the 2 setscrews (**T**) in the optional strut to mark the strut in the retract.
7. Loosen the 2 screws, remove the optional strut and use a flat file to make flat spots at your marks on the retract strut.
8. Install the optional strut on the strut in the retract using the 2 setscrews. Tighten the setscrews using threadlock.

RADIO CONNECTIONS AND OPERATION

NOTICE: These retracts will only operate with the included Y-harness.

1. Connect the gear unit connectors to the wire harness' connectors (**C**). The left and right gear can be connected to either side of this Y-harness. Install the wiring in your aircraft so that it does not interfere with receiver antennas and decrease radio reception.

2. Insert the single connector of the wire harness into the Gear port of your receiver (**I**). An auxiliary port may be used if the Gear port is in use.

3. Operate your channel control on your transmitter to which you have connected the gear.

4. Power on your transmitter and receiver.

5. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

6. Connect the retracts to your receiver and extend the struts (if needed) to position the unit in your aircraft. Mark screw positions using the screw holes in the strut.

7. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

8. Operate the channel control on your transmitter to which you have connected the gear.

9. Power on your transmitter and receiver.

10. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

11. Connect the retracts to your receiver and extend the struts (if needed) to position the unit in your aircraft. Mark screw positions using the screw holes in the strut.

12. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

13. Power on your transmitter and receiver.

14. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

15. Connect the retracts to your receiver and extend the struts (if needed) to position the unit in your aircraft. Mark screw positions using the screw holes in the strut.

16. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

17. Power on your transmitter and receiver.

18. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

19. Connect the retracts to your receiver and extend the struts (if needed) to position the unit in your aircraft. Mark screw positions using the screw holes in the strut.

20. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

21. Power on your transmitter and receiver.

22. Servos may need to be reversed in your transmitter for correct operation. If using a 2.4GHz system, always rebind after servo reversing to reset the receiver failsafe.

23. Connect the retracts to your receiver and extend the struts (if needed) to position the unit in your aircraft. Mark screw positions using the screw holes in the strut.

24. Servos may need

