

H·KING

CHEROKEE_{v2}



INSTRUCTION MANUAL

PNE
PLUG N FLY

Please read this manual carefully before operating this plane.



WARNING:

Read this instruction manual fully so as to become completely familiar with the features of this product before operating. Failure to operate this product correctly could result in damage to the product, personal property and cause serious injury. This is a sophisticated hobby product and is NOT a toy. It must always be operated with caution, common sense and some basic mechanical ability. This manual provides instructions as the the assembly, safe operation and maintenance of this hobby product. It is highly recommended that you follow and read fully the instructions and warnings stated in this manual including safety, assembly, set-up and flying guidelines in order to operate this product correctly and avoid damage or serious injury.

SAFETY PRECAUTIONS:

As the user of this product you and you alone are responsible for operating it in a manner that does not endanger yourself and others around you or result in damage to the product or property of others. This product is operated via a radio controlled system that in some cases can be subject to interference from sources outside of your control. Interference may result in a momentary loss of control so it is always recommended that this product be used in a suitably open outdoors space.

- This is a radio controlled flying model and as such must always be flown with caution and care. This is not a toy.
- The Cherokee V2 is designed for intermediate to advanced pilots.
- Always exercise great caution when using the recommended battery to power this product. For full safety notes and operating procedures, please see information provided by your battery supplier.
- Take great care when connecting/disconnecting the battery. See battery supplier for full safety procedures.
- Never power up the model in confined spaces and always keep the prop clear of obstructions.
- This product is not a toy. Children must be accompanied by an adult at all times if operating this product.
- Only fly this model in an open area away from crowds, people, buildings, trees, power lines and obstructions.
- Always put safety first when operating this model and consider the warnings stated above.
- The supplier/manufacturer accepts no responsibility for damage or injury caused through the use of the product. Not suitable for children under the age of 14. THIS IS NOT A TOY.



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INTRODUCTION

Thank you for purchasing the Cherokee Glider V2, A recreational glider featuring a unique propulsion system. The Cherokee Glider V2 features a high-aspect-ratio wing design that delivers excellent gliding performance. Its modular construction ensures ease of assembly and portability. Capable of both tow-launches and powered hand-launches, it adapts flexibly to diverse flying environments, making it an ideal choice for glider enthusiasts.

The unique and ingenious propulsion system design ensures powered takeoff while allowing the system to retract onto the fuselage's dorsal side without auxiliary mechanisms when power is cut, thereby reducing drag. Compared to the V1 Cherokee Glider, the V2 version features the following improvements:

- 1. Reinforced wings**
- 2. Detachable wings**
- 3. Retractable dorsal pusher power system**
- 4. Enlarged and detachable horizontal stabilizer**



SPECIFICATION

- Motor : 2026-2300KV Brushless Outrunner
- ESC : Duraflly 20A BEC 5V/3A Brushless
- Servos : 4x9g Plastic gear
- Wingspan: 1700mm
- Length: 920mm
- Flying Weight: 900g



REQUIRES TO FLY

- 4-6 ch RC Transmitter and receiver
- Flight Battery:
3S 2200mAh 30C LiPo Shorty w/XT60 Battery
- LiPo Charger

REQUIRES TO BUILD

- Phillipps screwdriver

CONTENTS OF BOX



1. Fuselage
2. Right wing
3. Left wing
4. Horizontal tail
5. Wing attachment fitting
6. Y-harness
7. Mounting screw
8. Fuselage-mounted hook



ASSEMBLY

Installation of the horizontal tail

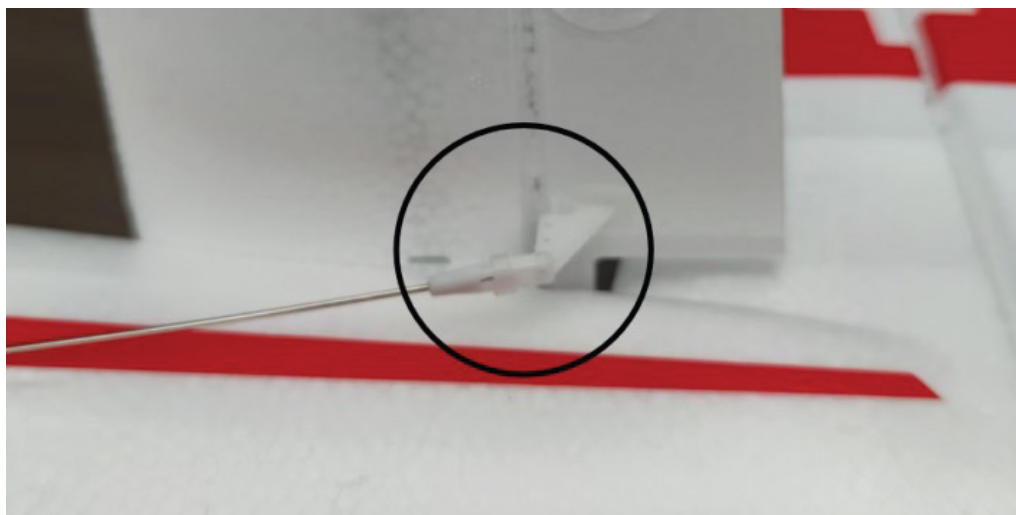
1. Remove the flat-tail piece and the mounting screw.



2. Secure the horizontal tail to the correct position on the fuselage.



3. Secure the horizontal tail to the correct position on the fuselage.





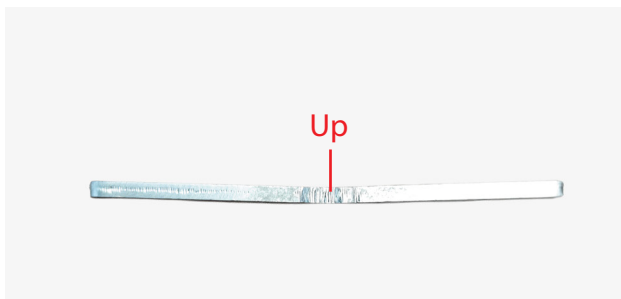
ASSEMBLY ON

Installation of the wing

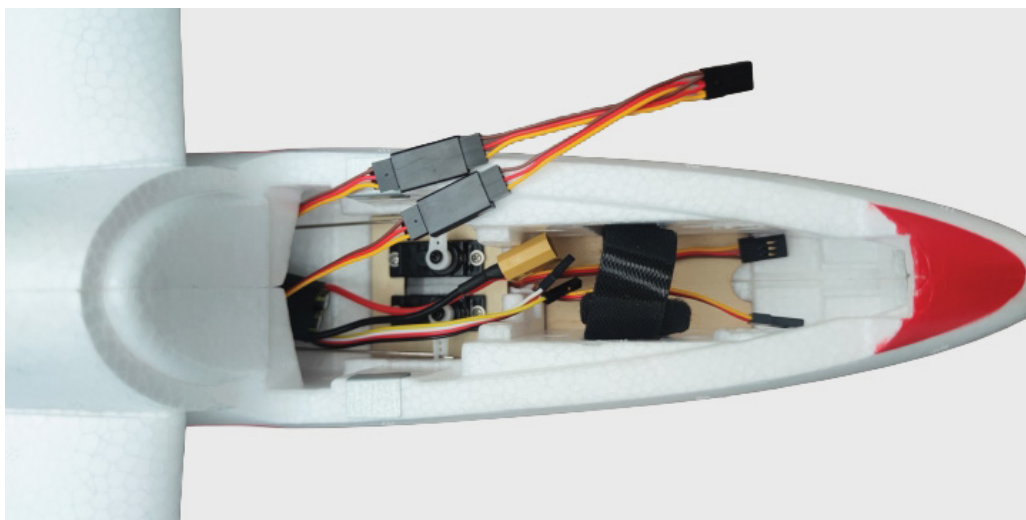
1. Remove the wings, connecting parts, Y-harness and mounting screws.



2. Install the left and right wings onto the corresponding positions on the fuselage and secure them with screws.



3. Retrieve the lead wires from the left and right ailerons and connect them to the Y-harness.





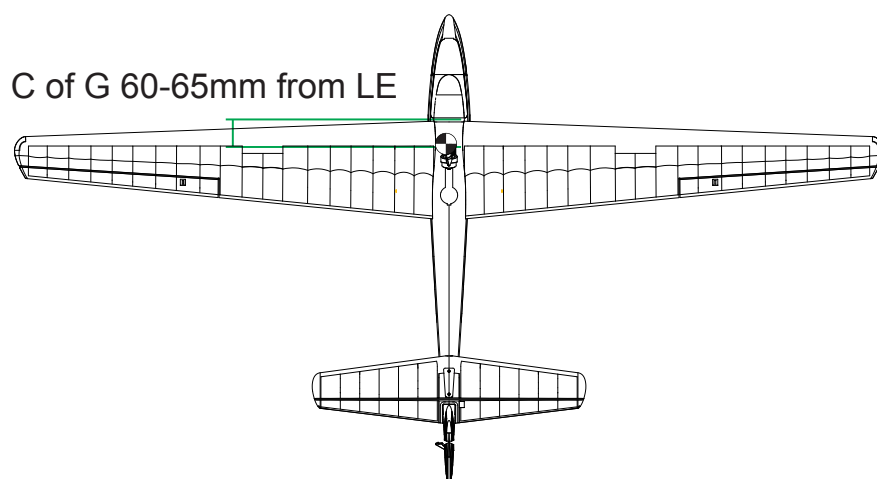
Note: If necessary, a hook can be installed on the underside of the fuselage (for towing, catapult launching, or other purposes).



CG LOCATION

C of G 60-65mm from LE

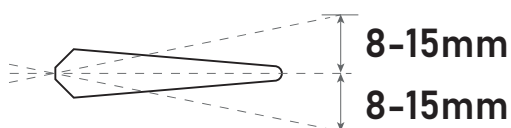
The recommended CG is :
60-65mm measured from the
leading edge of the wing as
shown on the right.



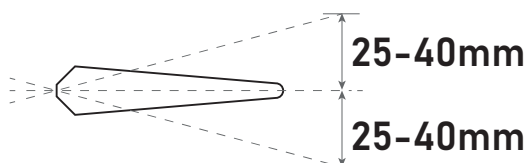
**** Do not connect the battery when setting up the CG ****

CONTROL THROWS LOW - HIGH

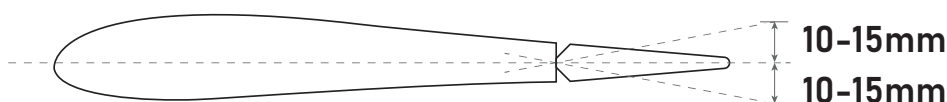
Elevator low 8mm, high 15mm



Rudder low 25mm high 40mm



Aileron low 10mm, high 15mm





Flying the Cherokee Glider V2

Pre-Flight & First Flight – H-KING Cherokee Glider V2

Before your first flight, we strongly recommend joining a local club for expert help. If that's not possible, follow these essential steps carefully.

1. Choose your site & conditions

Fly in light wind (under 5mph / 8kph). Use an open area with short grass, away from roads, trees, power lines, buildings, people, and airports (at least 3 miles / 5km from full-size airfields). Stay below 400ft.

2. Pre-flight check

Inspect the Cherokee Glider V2 for damage. Check linkages, wing fixings, tail, Main wheel, and propeller security.

3. Power on

Switch on your transmitter. Check trims and switches. Connect the flight battery. Keep the Cherokee Glider V2 still with the motor disarm function of your transmitter. Do not arm your motor unless you are ready to fly.

4. Control direction test

Move the sticks: left aileron stick - left aileron goes up. Down elevator elevator goes up. Right rudder - rudder moves right.

5. Range test

Have a helper hold the Cherokee Glider V2. Walk 25–30 paces away, press the transmitter's range test button, and check servo movement. If it fails, do not fly.

6. Takeoff

Hold the Cherokee Glider V2 with its nose facing into the wind, slowly start the motor until it pops up, smoothly advance the throttle to maximum, and launch the model firmly at an upward angle of 10–20 degrees.

7. Climb & turn

Climb to 100–150ft, then reduce throttle to 50–60%. Make gentle turns. Keep the Cherokee Glider V2 close and upwind. Remember: when flying toward you, controls appear reversed.

8. Trim for level flight

Ensure the Cherokee Glider V2 can fly level with the appropriate throttle setting. Adjust aileron, elevator, and rudder trims as needed.

9. Practice flying in a straight line and turning.

Maintain the aircraft at a safe altitude, execute gentle turns using the ailerons and elevators while ensuring no loss of altitude, then level off and fly straight; repeat these maneuvers to familiarize yourself with the aircraft's performance.

10. Landing

Point the nose into the wind and enter the landing area at an altitude of approximately 1.5 meters; carefully manage the throttle and flight attitude, gently and gradually reduce altitude and speed, and land the aircraft smoothly.

11. After landing

Disarm the motor immediately. Disconnect the battery first, then turn off the transmitter. Congratulations – you've completed your first flight with the Cherokee Glider V2!



Recommended Accessories



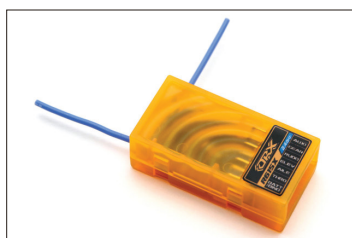
Turnigy/FrSky TWIN X14 ACCESS
2.4GHz Transmitter (Orange) -
Exclusive to HobbyKing
SKU: 9236720209



FrSky TW R6 Dual
2.4GHz 6ch TW Protocol
SBUS/FBUS/S.Port Receiver
SKU: 9236720013



Turnigy Heavy-Duty
Folding Airplane Stand
SKU: 1021680019



OrangeRx R615X DSMX
Compatible 6Ch 2.4GHz Receiver
SKU: 9101800001-0



ToolkitRC (DC Input) M4P Pocket 80W
5A 1-4S LiPo Balance Charger
with XT30/XT60/USB-C Input &
Quick Charge Function
SKU: 1042400139



Turnigy Nano-Tech 3S 1800mAh
11.1V 70C Lipo Battery Pack w/XT60
SKU: 9067110059



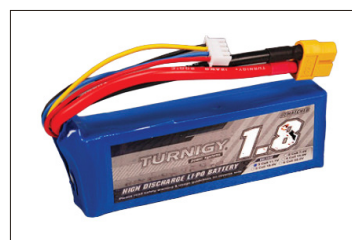
Turnigy 2200mAh 3S (11.1V)
30C Shorty LiPo Battery Pack w/XT60
SKU: 9067160023



Turnigy 1800mAh 3S 20C Lipo Pack
SKU: T1800.3S.20



Turnigy Nano-Tech 1800mAh 3S
30C Lipo Pack w/XT60
SKU: 9210000280-0



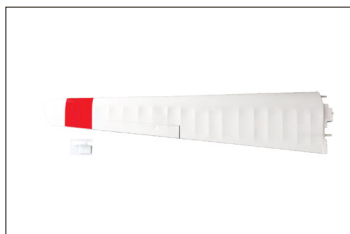
Turnigy 1800mAh 3S 40C Lipo Pack
SKU: T1800.3S.40



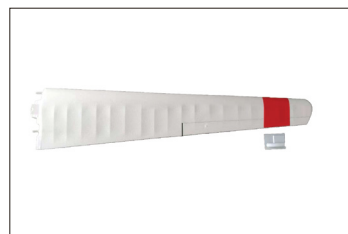
Spare Parts



Fuselage set
SKU: 9310790594



Left wing set
SKU: 9310790595



Right wing set
SKU: 9310790596



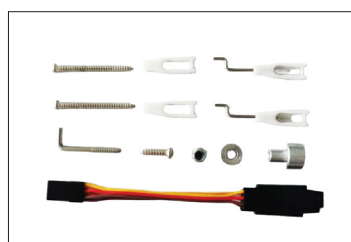
Horizontal Stab set
SKU: 9310790597



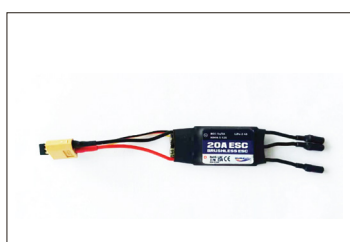
Canopy set
SKU: 9310790598



6x4 Propeller set
SKU: 9310790599



Attachment Package
SKU: 9310790600



20A ESC
SKU: 9310790601



2026 Motor
SKU: 9310790602



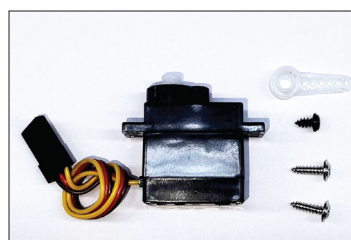
Motor Lift Arm set
SKU: 9310790603



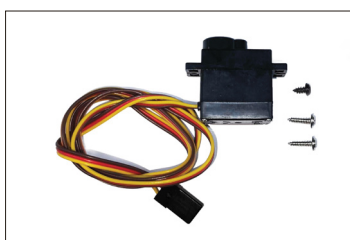
Decal
SKU: 9310790604



Wing linkage set
SKU: 9310790627



Aileron servo
Cable length: 650mm
SKU: 9310790629



Elevator/Rudder servo
SKU: 9310790628



TROUBLE SHOOTING:

Problem	Cause	Solution
Motor does not turn	1. Battery is not fully charged. 2. Transmitter battery low. 3. Motors not connected. 4. The motor is damaged. 5. Receiver is not bound to Tx. 6. ESC in set-up mode.	1. Charge the batteries. 2. Install a full charged battery. 3. Check for connection between the ESC and motor. 4. Replace motor. 5. Consult Radio manual and go through bind procedure again. 6. Hold model and move throttle to full position then back down to idle.
<u>Model moves backwards</u>	1. Prop installed backwards	1. Turn the props around.
<u>Control surfaces not moving with stick input</u>	1. The servo lead is connected to Rx incorrectly. 2. The servo is damaged.	1. Make sure the servo leads are connect properly. 2. Replace servo.
<u>Model does not fly straight</u>	1. Control surfaces not centered. 2. CoG is not in the correct position.	1. Adjust the trims on the transmitter. 2. Re-position lipo as suggested.
<u>Model does not climb well</u>	1. The battery is not fully charged. 2. Elevator servo is reversed. 3. CG too far backwards.	1. Charge the battery. 2. Change servo direction via Tx. 3. Move battery forwards.
<u>Limited Radio Range</u>	1. Transmitter/Receiver batteries are flat.	1. charge/replace batteries.

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Made in China

