FCC Part 15 C Notice

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions :
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Distributed by:
TRACTOR SUPPLY COMPANY
5401 VIRGINIA WAY
BRENTWOOD, TN 37027
For customer support,
call: 1-888-376-9601
www.TractorSupply.com

WARNING!
CHOKING HAZARD - Small parts.
Not suitable for children under 3 years.

Conforms to safety requirements of ASTM, FCC and CPSIA.

Ascend Aeronautics™ is the registered trademark of Amax Group USA, LLC.
AMAX Group USA Address: 12645 Memorial Dr Suite F1 #388 Houston, TX 77024
© 2021 All Rights Reserved. visit us at www.amaxbrands.com

Made in China

C012-USA-V1.0

AC-1009

ULTRA MICRO HELI

with Gesture Control Technology

INSTRUCTION BOOKLET

WARNING: Never leave product charging unattended for extended periods of time. Always disconnect helicopter from charger immediately after the helicopter is fully charged. Please refer to enclosed safety instructions.

THIS PACKAGE CONTAINS:

AC-1009 | Remote Control | USB Charging Cord | Spare Rotor Blades | Instruction Booklet

Colors and styles may slightly vary.

ARTWORK NO.	DESCRIPTION	MDSER	DESIGNER	DATE
IM.ai	110 x 173MM		Johnny	

TABLE OF CONTENTS

Features.....1
Charging the Remote Control.....2
Charging the Helicopter.....2
Helicopter diagram, Remote Control diagram.....3
Preparing for Flight 4
Syncing your Helicopter.....4
Calibrating the AC-1009.....5
Automatically Take Off / Land.....5
Flight Controls..... 5
Part Replacement Instructions.....7
Gyro-Stabilized 3CH wireless indoor helicopter propeller system.....7
Replacing connecting rod 7
Replacing the Upper Propeller Blade.....8
Replacing the Bottom Propeller Blade.....8
Helicopter warning and safety precautions 9
Battery Warnings,Care and Maintenance.....9
Limited 90-Day Warranty.....10
FCC Information.....11

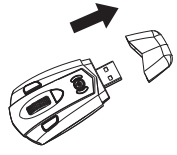
Thank you for purchasing the AC-1009 2.4GHz Motion Controlled Helicopter. Please read this instruction booklet carefully as it contains valuable information on how to properly fly and care for your helicopter.

FEATURES

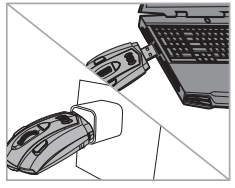
- World's Smallest 3CH RC Helicopter
- 6 Axis Gyro Auto Stabilization
- Automatic Altitude Lock
- One-Button Auto Start and Land
- New Intuitive Gesture Motion Controller (Included)
- Rechargeable Lipoly Battery.

CHARGING THE REMOTE CONTROL

1. Make sure the Controller's power switch is OFF and remove protection cover. (see diagram A).
2. Plug the USB to your computer's USB port or a USB wall charger (see diagram B).
3. The red LED lights on the CONTROLLER turns solid when charging is complete.
   Note: If the red LED lights flashing indicate the controller is under charging process.
4. The charging time will vary depending on the percentage of battery already charged. The average charging time is approximately 60 minutes.



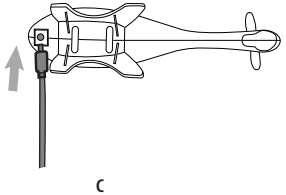
A



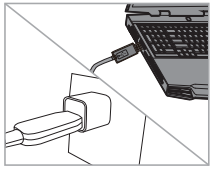
B

CHARGING THE HELICOPTER

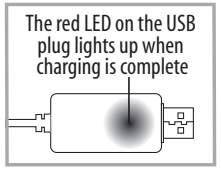
1. Make sure the helicopter's power switch is in the "OFF" position and plug the USB charging cord into the charging socket of the helicopter(see diagram C).
2. Connect the USB end of the cable to your computer's USB port or a USB wall charger (see diagram D).
3. The red LED on the USB plug lights up when charging is complete (See diagram E).
   Note: If the red LED lights up, either the charging is complete or the USB plug is not properly connected.
4. The charging time will vary depending on the percentage of battery already charged. The average charging time is approximately 30-40 minutes(via 5.0V ⎓2A USB wall charger). The helicopter operates for approximately 4 minutes per charge.



C



D

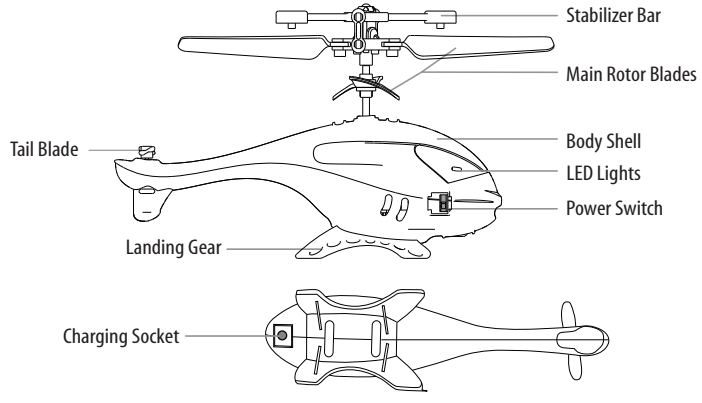


E

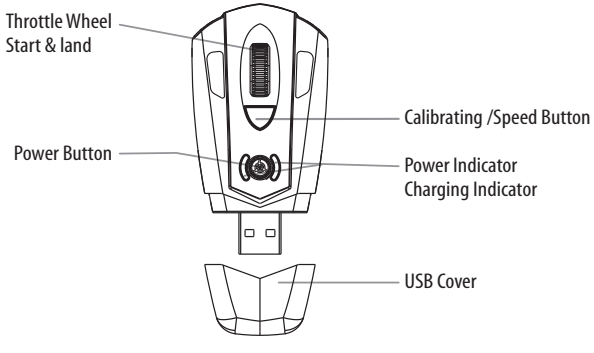
IMPORTANT: ALWAYS DISCONNECT CHARGER CORD AFTER CHARGING. NEVER LEAVE CHARGER CONNECTED TO HELICOPTER OVERNIGHT OR FOR EXTENDED PERIODS OF TIME.

HELICOPTER DIAGRAM

Below is a basic list of features and parts on the helicopter.



REMOTE CONTROL DIAGRAM



PREPARING FOR FLIGHT

- Verify that there are the helicopter and remote control has been fully charged.
- Make sure your helicopter is turned on and properly synced to your remote control (See "SYNC YOUR HELICOPTER" below).
- Fly only in a large room free of obstacles with an open radius of at least 25 feet. Close all windows and doors, turn off fans and close air ducts or any other openings that may cause drafts in the room.

IMPORTANT: YOUR AC-1009 HELICOPTER IS DESIGNED FOR INDOOR USE ONLY. DO NOT FLY OUTDOORS.

SYNCING YOUR HELICOPTER

Your AC-1009 utilizes an automatic 2.4G selection system that allows up to 8 people to fly side by side in the same wireless range.

FOR ONE PERSON PLAY:

1. Before starting, make sure that both your remote control and helicopter are turned OFF. Make sure that there are no other 2.4G devices nearby.
2. Turn ON the helicopter and set it down on a flat surface. The red LED indicators flashing on the helicopter head, This means your helicopter is searching for a controller to pair with.
3. Turn ON your remote control. Roll the Throttle wheel forward and Roll the Throttle wheel backwards. The LED indicators on the helicopter stay solid, indicating that the helicopter and remote control are synced. When this happens you have properly synced your helicopter and you are ready to fly.

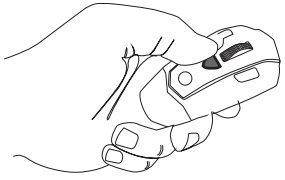
   Note: If the LED indicators do not stay solid, repeat steps 1-3 to sync the helicopter again.

FOR MULTI-PERSON PLAY:

4. Before starting, make sure that all of the helicopters and remote controls are turned off. Make sure that there are no other 3 devices nearby.
5. Players must sync their helicopters successively. Make sure that no one else is syncing while you sync your helicopter by following steps 1 to 3 above.
6. When a player's helicopter is synced and working it should be left ON while the other players sync their helicopters.
7. Should there be a mistake or interference, all players must turn off their remote controls and helicopters and start the process all over again.

CALIBRATING THE AC-1009

If the AC-1009 becomes unstable during the course of flying, you may need to calibrate the internal gyros. To do this place the AC-1009 on a flat level surface. Long press calibrating button. The LEDs on the AC-1009 will flash quickly and then remain solid, this indicates your helicopter has been recalibrated (see diagram F).

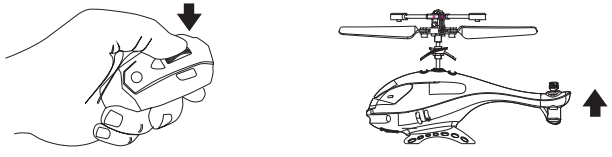


F

AUTOMATICALLY TAKE OFF / LAND

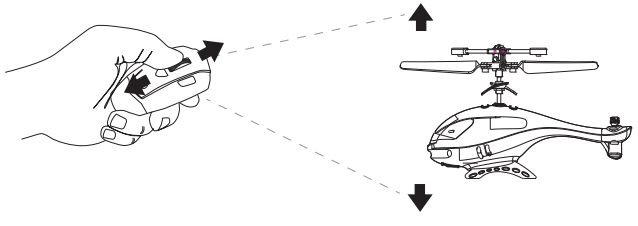
Make sure you have properly synced The AC-1009.

- Simply press the "Throttle wheel/start & land" down on the controller, your AC-1009 will automatically take off.
- To stop or land the AC-1009 just press the "Throttle wheel/start & land" down again and the AC-1009 will descend and land automatically.

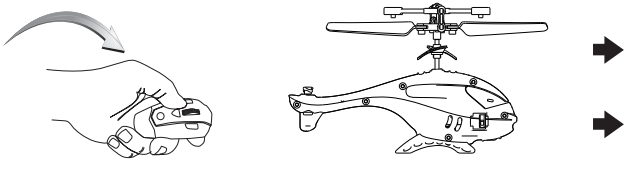


FLIGHT CONTROLS

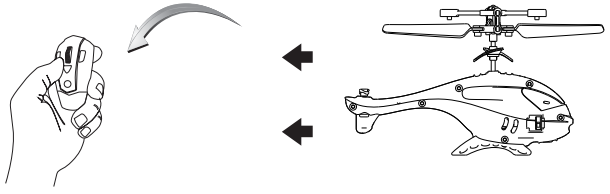
While you're learning to fly your helicopter, it is best to start with a large room until you get used to the basic controls.



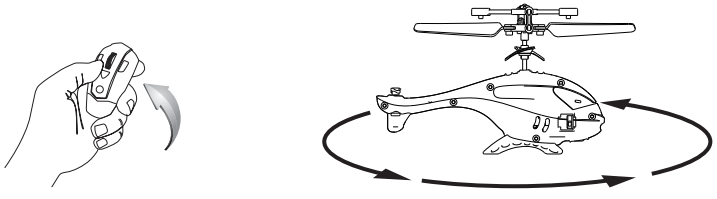
Roll the Throttle wheel forward to increase the speed of the main rotor, and roll the Throttle wheel backwards to decrease the speed of the main rotor. The helicopter will rise or descend accordingly.



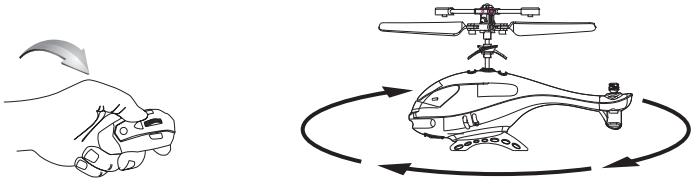
Tilt the controller forward and the helicopter will move forward.



Tilt the controller backward and the helicopter will move backward.



Tilt the controller left and the helicopter will spin counterclockwise.



Tilt the controller right and the helicopter will spin clockwise.

SPEED CONTROL: Your AC-1009 helicopter can operate in beginner (slower) or advanced (faster) speed mode. Simply press the Speed Button to switch the speed.

PART REPLACEMENT INSTRUCTIONS

CONTENTS:

(1) 2 upper propeller blade x 2

(2) 2 bottom propeller blade x 2

(3) 4 connecting rods x 4

(4) 4 screws x 4

GYRO-STABILIZED 3CH WIRELESS INDOOR HELICOPTER PROPELLER SYSTEM

Your Gyro-Stabilized 3CH Wireless Indoor Helicopter propeller system is a precision instrument that may need repair or replacement from time to time for optimal flight function. Crash landing from high-speed aerial flights may cause damage to your Gyro-Stabilized 3CH Wireless Indoor Helicopter propeller or propeller connecting rods.

TROUBLESHOOTING:

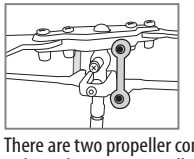
If your Gyro-Stabilized 3CH Wireless Indoor Helicopter loses its ability to fly correctly, please inspect the propeller system carefully for the following two common issues:

1. Replacing Connecting Rod: The connecting rod is a small "handcuff" style device that stabilizes the "upper" propellers. There are two connecting rods on the upper propeller. Please see (Diagram 1). If a connecting rod is broken or missing simply replace it by "peeling" off the existing broken unit and replacing it with a new one. You may have to use slight pressure when reattaching both ends of the new connecting rod. Make sure that the new connecting rod is secured and locked in place. See (Diagram 2). For changing connecting rod, make sure there is no damage to the actual blade or arm that holds the connecting rod in place. If there is you must replace the entire blade system.

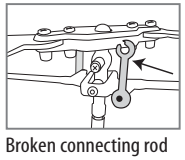
2. Replacing Upper and Bottom Propeller: The propeller is subject to damage as you learn to properly fly and control your Gyro-Stabilized 3CH Wireless Indoor Helicopter. If after a crash your helicopter has loss of control or flies erratically you should carefully inspect your entire propeller system for any sign of damage. Most common are: cracked or chipped blade, broken "connecting rod", frozen balance bar (this is when the balancing bar and blade are jammed and can not move freely up and down). To replace the propeller blades follow diagrams 3 through 12.

Replacing Connecting Rod

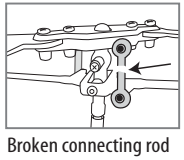
Diagram 1



There are two propeller connecting rods on the upper propeller.

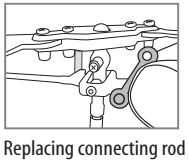


Broken connecting rod

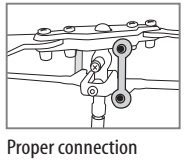


Broken connecting rod

Diagram 2



Replacing connecting rod



Proper connection

REPLACING THE UPPER PROPELLER BLADE

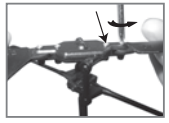


Diagram 3

Using a screwdriver turn counter clockwise to remove the screw.

Diagram 4

Remove the broken blade and carefully replace with a new one.

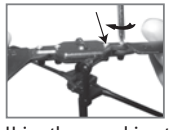


Diagram 5

Using the screwdriver turn clockwise to tighten the two screws.

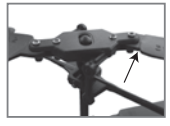


Diagram 6

When you tighten the screw you should test the blade to make sure that it still has free movement. If the blade cannot move freely, slightly loosen the screw.

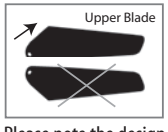


Diagram 7

Please note the design of the upper blade.

REPLACING THE BOTTOM PROPELLER BLADE

Diagram 8

Using a screwdriver turn counter clockwise to remove the screw.

Diagram 9

Remove the broken blade and carefully replace with a new one.

Diagram 10

Using the screwdriver turn clockwise to tighten the two screws.

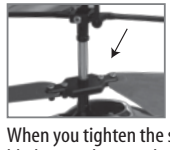


Diagram 11

When you tighten the screw you should test the blade to make sure that it still has free movement. If the blade cannot move freely, slightly loosen the screw.

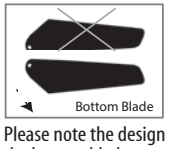


Diagram 12

Please note the design of the bottom blade.

HELICOPTER WARNING AND SAFETY PRECAUTIONS

The helicopter blades revolve at high speeds and can cause damage to the user, spectators, and animals. Stand away from the helicopter to reduce the risk of getting into the flight path. Warn spectators that you will be flying your helicopter so that they are aware of its position. Before flight, inspect the rotor blades to make certain that the blades are securely fastened to the helicopter.

WARNINGS

- Choking/Cutting Hazard. Small Parts/Sharp Rotor Blades.
- Keep hands, hair, and loose clothing away from the propeller when the power switch is turned to the ON position.
- Turn off the transmitter and helicopter power switches when not in use.
- The charging cable is for charging the helicopter's Li-poly battery. Do not use it to charge any other battery.
- Parental supervision recommended when flying the helicopter.

BATTERY WARNINGS

RECHARGEABLE BATTERY:

This helicopter uses an internal Li-Poly rechargeable battery and is not replaceable. If the battery can no longer be charged, dispose of the helicopter properly according to local disposal requirements.

CARE AND MAINTENANCE

- To clean, gently wipe the remote control and helicopter with a clean damp cloth.
- Keep the toy away from direct heat or sunlight.
- Do not submerge the toy into water. This can damage the unit beyond repair.

Limited 90-Day Warranty

NORTH AMERICA

AMAX Group USA warrants to the original consumer that this product is free from any electrical or mechanical defects for a period of 90 DAYS from the date of purchase. If any such defect is discovered within the warranty period, AMAX Group USA will repair or replace the unit free of charge upon receipt of the unit, shipped postage prepaid and insured to our warranty center ALONG WITH THE ORIGINAL RECEIPT evidencing that the product was purchased from an approved AMAX retail partner and that the product is still within the 90 day warranty period. The warranty covers normal consumer use and does not cover damage that occurs in shipment or failure that results from alterations, accident, misuse, abuse, neglect, wear and tear, inadequate maintenance, commercial use or unreasonable use of the unit. Removal of any parts/components voids all warranties. This warranty does not cover cost of repairs made or attempted outside by third-party individuals or companies. Any applicable implied warranties, including warranties of merchantability and fitness, are hereby limited to 90 DAYS from the date of purchase. Consequential or incidental damages resulting from a breach of any applicable express or implied warranties are hereby excluded. Some states do not allow limitations on the duration of implied warranties and do not allow exclusion of incidental or consequential damages, so the above limitations and exclusions in these instances may not apply.

REPAIR/REPLACE PRODUCT

If your product begins to malfunction or stop working, immediately contact our warranty center (contact details listed below). If it is determined that a return is necessary, our warranty department will issue you an RMA number/form and an address to the nearest return center for shipping the product to us. When honoring the warranty, AMAX reserves the right to either repair, replace or refund the product.

IMPORTANT NOTICE:

We will reject and return to sender returns that are not accompanied by an AMAX issued RMA form and RMA number so make sure to contact our warranty center before attempting to return your product!

PREPARATION FOR SHIPPING YOUR PRODUCT:

Please repack your product in a durable box, preferably in the original carton, and send it prepaid, and adequately insured. Include the RMA form that was issued by our warranty department along with your daytime telephone number and email address inside the shipping carton. If your warranty has expired and you still require service please contact our customer care team For further information please send all inquiries to: customercare@amaxbrands.com

IMPORTANT NOTICE!

DO NOT ATTEMPT TO SHIP YOUR PRODUCT BACK WITHOUT FIRST CONTACTING OUR WARRANTY DEPARTMENT AT:

www.amaxbrands.com

Email: customercare@amaxbrands.com