

# **M87H**

- **Altitude-hold**
- **One key take off/Landing**
- **Auto display**



## Safty&Cautions

1. Please keep small parts out of the reach of children to prevent of an accident.
2. Do not tighten the blades as all blades of this helicopter are movable.
3. Please do not expose batteries to heat or high temperatures (such as naked flames or near to electric heaters).
4. Make sure that the helicopter is kept at a distance of 2-3 m from the pilot or other people to ensure that the helicopter does not hit anyone during takeoff or landing.
5. Children must only operate the helicopter when supervised by an adult. The helicopter must be kept within the pilot's (and supervisor's)
6. Do not charge disposable batteries. Pay attention to the polarity when inserting or replacing batteries and do not mix old and new batteries or batteries of different types.
7. Turn off the remote control and helicopter's switch when you are not using the product and remove the batteries in the remote controller.
8. Short circuit and reversed connection are not allowed for the power terminal. The materials specified in this manual, specifications or articles in the package of parts are for reference only. The company will not be responsible for the alteration of the printed one, and cannot actively notify consumers of any update or alteration.

## Charging Battery

**CAUTION!** Do not leave Helicopter unattended while charging. Battery charging should be done by adults only.

1. Make sure Helicopter and Rmote control are turned off.
2. Plug the USB plug on the charging Cable into the USB port of a computer or any other USB power source.
3. Insert Charge plug on the Charging Cable into the Charging Port on the Helicopter.
4. While the Battery is charging, LED light on USB off. When fully charged, LED light remind on. Charging takes approximately 50 minutes.
5. When Charging is complete, disconnect Charging Cable from Helicopter and power source.

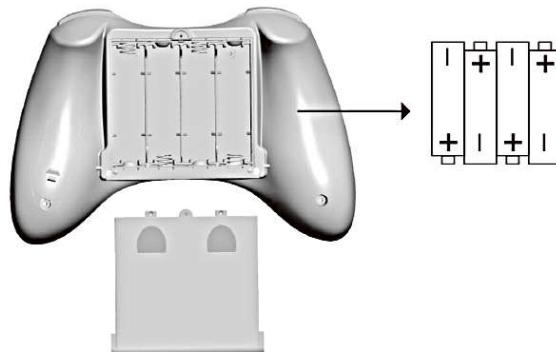


Connect USB port to PC

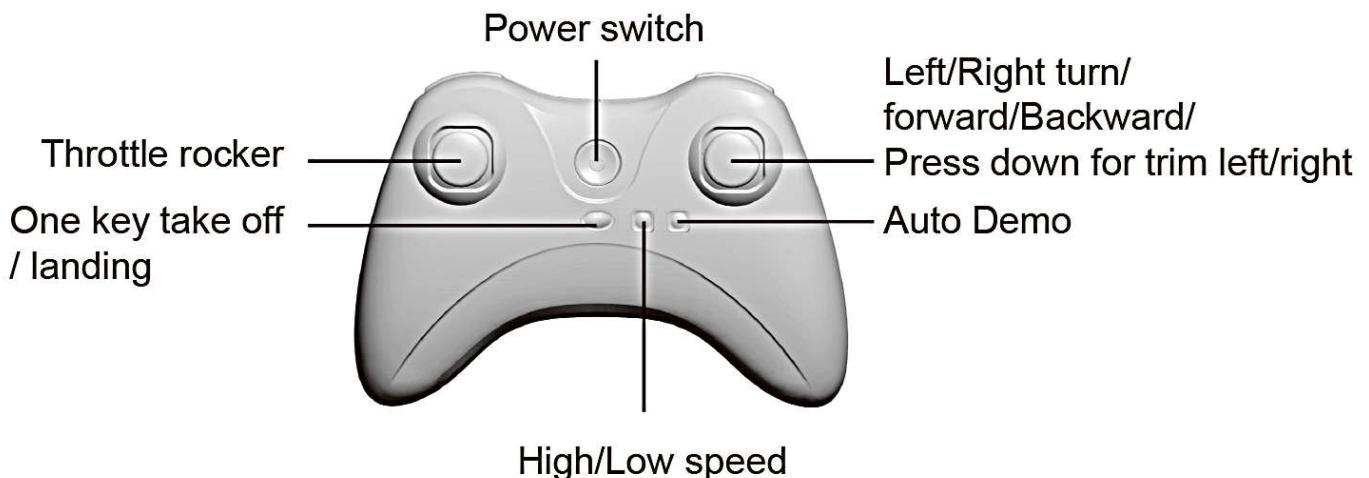
## Remote Control

1. Remove the screw securing the Battery Cover on the back of the Remote Control.
2. Remove the Battery Cover and insert 4\*AA batteries (sold separately) in the indicated polarity.
3. Replace Battery Cover and tighten screw securely. Caution! Do not install old and new batteries together. Do not install alkaline. Carbon-zinc or rechargeable batteries together. Position batteries in proper polarity. Do not use swollen or leaking batteries.

Install the controller batteries



## Controller



## Operating Instructions

### **WARNING!**

To prevent serious injury, avoid sudden movements of controls while flying.

## Auto Trim Function

1. When Pairing is complete, place Helicopter on a flat surface. Simultaneously pull the Throttle stick down to the bottom and the Directional stick down to left at a 45 degree angle as shown until the Helicopter's LED lights flash.
2. Release the Throttle and Directional sticks. The LED lights stop flashing and remain on when auto trim is complete.



## Speed Control

Helicopter speed is set to slow by default. To change to high speed, press the speed button once--the Remote will beep twice indicating speed is set. To return to slow speed press the Speed button again--the Remote will beep once indicating speed is reset to slow.



High/Low speed

## Auto Demo

When active Auto Demo function, the drone will fly forward, backward, turn right and then turn left automatically. During the Auto Demo flying, press Auto Demo button again or control the right stick to any direction for stopping this function.  
**Attention! Pls active this function with wide and barrier-free space.**



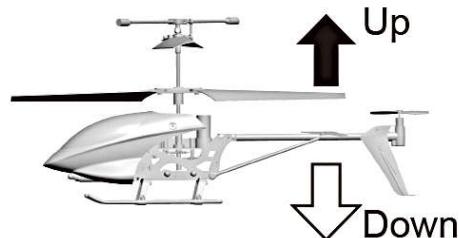
Auto Demo

## Basic Operation

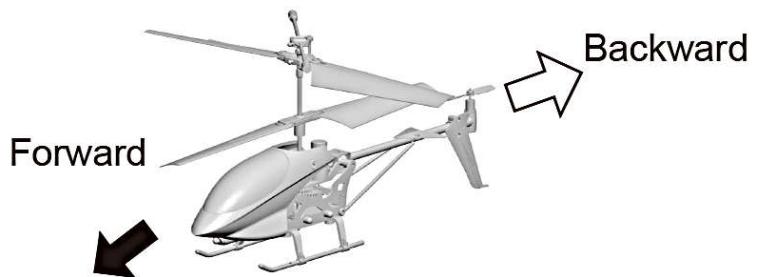
1. Place Helicopter on a flat level surface. Connect Helicopter and Remote control as described in Pairing on Page 3, and do auto trim as Page 3, Then Press one key take off&landing button to start operation; press again to stop.



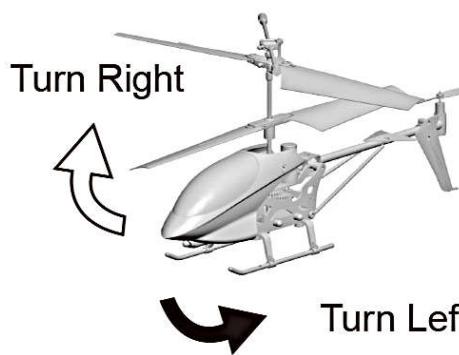
2. To maneuver the Helicopter up or down, move the Throttle Joystick up and down.



3. To Move the Helicopter forward or backward, push the Directional Joystick up to go forward or pull it down to go back.

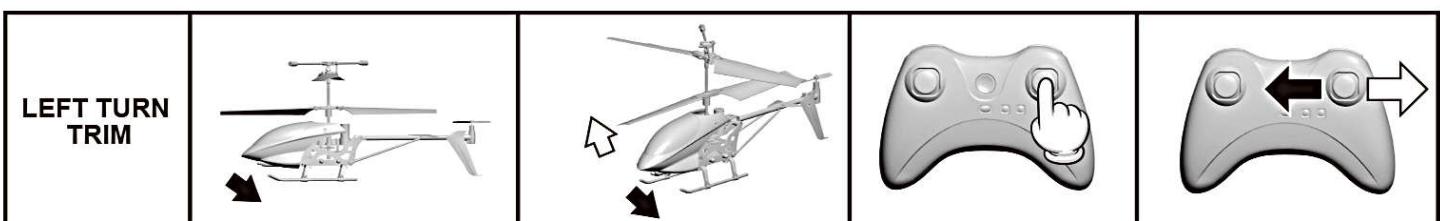


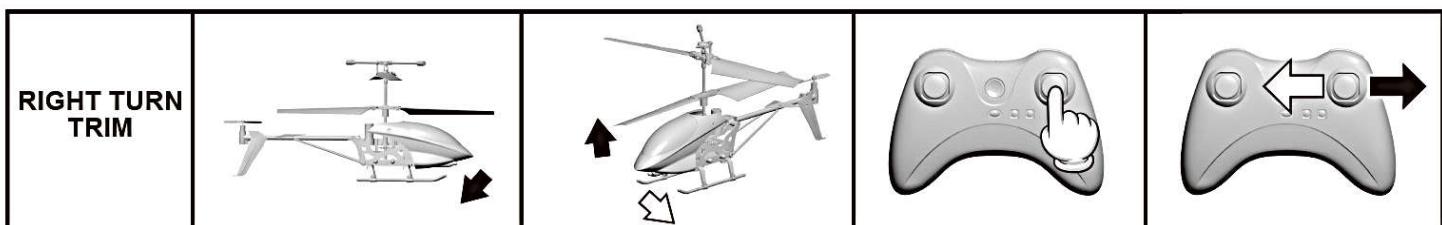
4. To turn the Helicopter left or right, move the Throttle Joystick to the left or right.



## Fine Tuning Trim

Using a light touch, slowly push Throttle up until Helicopter is barely hovering. Helicopter should stay in one place without excessive rotation. If any of these conditions occur make adjustments using the following procedures. Press down the right stick and then control the right stick left/right for trimming.





## Troubleshooting

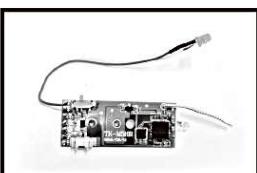
Problem	Reason	Solution
The helicopter is not responding	1.The helicopter battery is low. 2.The remote controller battery is low. 3.The helicopter gyroscope fails to be approved upon the test.	1.Charging for the helicopter. 2.Replace the remote controller batteries. 3.Place the helicopter horizontally on the ground, Turn on the power of the controller after helicopter gyroscope succeed to be approved upon the test.
The helicopter does not respond well	There is too much noise in the surrounding environment.	Find an open space for flying.

## Spare parts

The following optional parts are available by customers. Each component is specially designed for the convenience of customers' purchase.



M87H-01  
Head cover



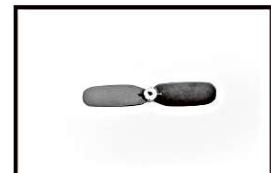
M87H-02  
Receive board



M87H-03  
Landing gear



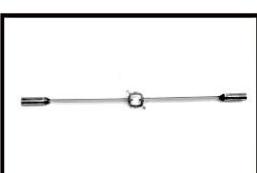
M87H-04  
Main blades



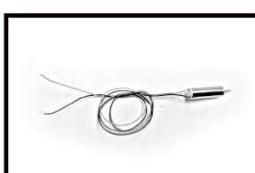
M87H-05  
Tail blade



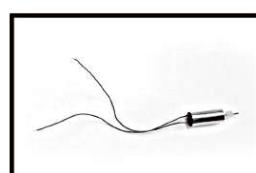
M87H-06  
Tail decoration



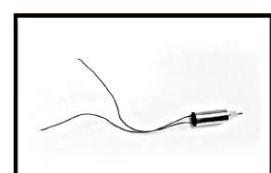
M87H-07  
Balance bar



M87H-08  
Tail motor



M87H-09  
Motor A



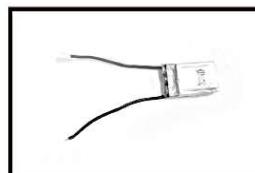
M87H-10  
Motor B



M87H-11  
Main frame  
accessories



M87H-12  
Blade clamp  
assembly



M87H-13  
Battery

**FCC Compliance Statements** 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. 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 an experienced radio/TV technician for help.

**Caution:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.