



USED FOR ITEM NO H05N, H05NL, H05NC

X-DRONE

MINI G-SHOCK

HIGH PERFORMANCE UFO FOR RC ENTHUSIASTS

FLIGHT MANUAL



Battery requirements for transmitter:
4 x 1.5V "AA" size batteries (not included)

X-DRONE is equipped with a Li-poly rechargeable battery,
please also pay attention to the following safety precautions:

- * Don't use or leave the battery near a heat source such as fire or heater
- * Don't strike or throw the battery against any hard surface
- * Don't immerse the battery in water, and keep the battery in a cool dry place
- * When recharging, only use the battery charger intended for that purpose
- * Don't over-charge the battery
- * Don't connect the battery to an electrical outlet
- * Don't directly solder the battery or pierce it with a nail or other sharp object
- * Don't transport or store the battery together with metal objects
- * Never charge the battery for more than one hour
- * Never leave charging battery unattended

Note:

* Always dispose of old batteries responsibly



Safely Precautions

- Please read through the manual's before using.
- Please store small parts in a place well out of the reach of small children.
- Never leave the **X-DRONE** unattended during battery charging.
- Never throw any batteries in a fire.
- Never fly the **X-DRONE** near other people.
- Keep all body parts away from the copter while the rotor blades are spinning.
- Never try to repair circuitry, there are no serviceable electronic parts inside the **X-DRONE** or transmitter.

Flying Precautions

- 1.Keep small parts out of the reach of children,to avoid choking hazard.
- 2.The **X-DRONE** is powerful, when taking off, move the throttle stick forward gradually, to avoid it's rising too fast.
- 3.After flight, disconnect the Li-po battery from **X-DRONE** first, then turn off the controller.
- 4.Do not put the battery in high temperature or near heat source
- 5.Note, to avoid injury or damage, the **X-DRONE** should not be flown nearer than 2 meters / 7 feet from people or other obstacles.
- 6.Children should fly the **X-DRONE** under adult supervision only. Always keep the **X-DRONE** in clear sight while flying.
- 7.Always turn off the power of the controller and **X-DRONE** when not in use.

Preparing To Fly

- 1.Make sure that flight area is clear of people or other obstacles
- 2.Turn on the controller, push the throttle lever up and down, a beep will sound.
- 3.Connect the battery to the **X-DRONE** using the 2 red connectors. The **X-DRONE** will go into auto detection mode. (the indicator light on the circuit board flashes rapidly in this mode). At this time, place the **X-DRONE** at a level position. When the indicator light flashes at about once per second, the **X-DRONE** is ready to fly.
- 4.Push the throttle lever slowly forward, the **X-DRONE** will take off.

Battery Protection

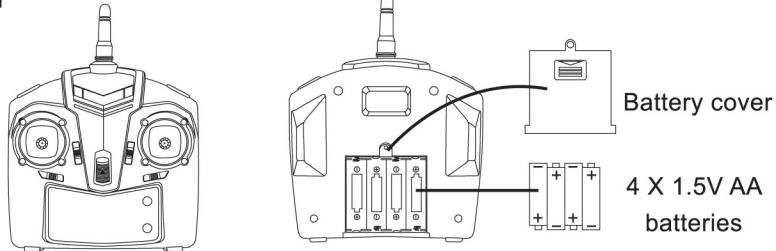
- 1.The **X-DRONE** is equipped with low-voltage protection: When it's battery is low, the programmed control system will stop electrical supply to **X-DRONE'S** rotors. The battery then needs charging to allow the **X-DRONE** to fly again.
- 2.The **X-DRONE** is equipped with over-current protection: When the copter blades are jammed, to prevent damage, the control system will stop electrical supply to rotors.

Maintenance

- 1.Clean the **X-DRONE** with clean, dry soft cloth only.
- 2.To avoid irreparable damage, keep the **X-DRONE** dry and away from water.
Do not fly in rainy conditions
- 3.Check the **X-DRONE** and accessories for damage. If damage is found, do not use the **X-DRONE** until it is repaired.

Battery Installation & Charging

Controller



1. **To install batteries:** Open the cover of battery case, insert 4 X 1.5V, AA batteries, according to indicated polarity. (batteries not included)

Battery installation should be done under adult supervision only!

Do not mix old and new batteries.

Do not mix different types of batteries.

X-DRONE

1. Remove the battery from its mounting bracket on the bottom of the **X-DRONE**.

Join the red connector on the battery cord to the red connector on the USB cable.

Charging with computer:

2. Insert the USB connector jack in to any computer USB port.

Charging with wall adaptor(Optional):

3. Insert the USB connector into the AC wall charger.

Then plug the Wall charger into a wall outlet per the rating specified on the included AC wall charger.

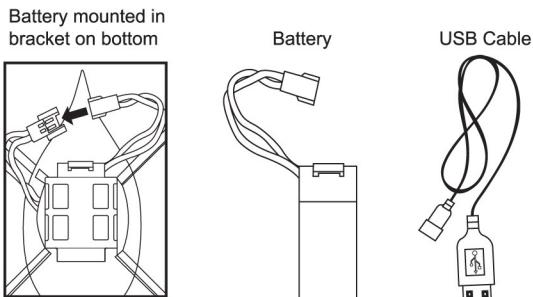
4. After charging the battery for 60 minutes, disconnect it from the charger cord.

5. Return the battery to its mounting bracket on the bottom of the **X-DRONE**.

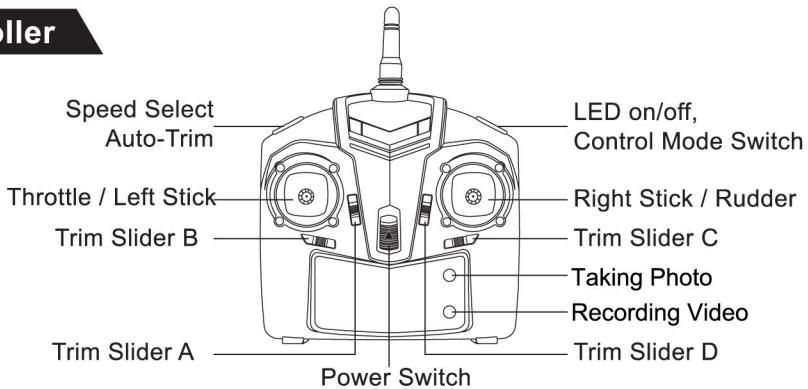
Battery charging should be done under adult supervision only!

**Use only the included USB cable and wall charger (Optional) with this product.
Never leave battery unattended while charging.**

After mounting the charged battery in the bracket on the bottom of the **X-DRONE**, connect the red plug of the battery to the red socket from the circuit board. Your **X-DRONE** is now charged and ready to fly.



Controller



Important Overview

The **X-DRONE** controller can be used in 2 modes: (the pre-setting is mode 1)

Mode 1: The left stick controls pivotal turning, the right stick controls lateral flight.

Mode 2: The left stick controls lateral flight, the right stick controls pivotal turning.

Press and hold the Control Mode switch until beep sounds to toggle between controller modes

The **X-DRONE** has three different programmed speeds:

Toggle though these three speed settings using the Speed Selector button. Press to hear one beep for low speed, two beeps for mid speed, three beeps for high speed

The **X-DRONE** has **Auto-Trim** Function (fine-tunes all rotors balance):

Use this function if your **X-DRONE** is not hovering in a set spot.

To auto-trim all rotors: With the **X-DRONE** turned on, and set it on a level surface, turn on the controller while pushing in the Auto-Trim button.

Left Stick: While in Mode 1, up / down, left / right pivot turn.

While in Mode 2, up / down, left / right side fly.

Right Stick: While in Mode 1, up / down, left / right side fly.

While in Mode 2, up / down, left / right pivot turn.

Trim Slider A: No function

Trim Slider B: While in Mode 1, used for left / right pivot turning, manual fine-tuning.

While in Mode 2, used for left / right side flight, manual fine-tuning.

Trim Slider C: While in Mode 1, used for left / right side flight, manual fine-tuning.

While in Mode 2, used for left / right pivot turning, manual fine-tuning.

Trim Slider D: Used for forward / reverse flight, manual fine-tuning In modes 1 and 2.

Speed Select / Auto-Trim button:

Press the Speed Select button to toggle through speed options.

Slow speed, one beep. *Middle speed*, two beeps. *High speed*, three beeps.

To auto-trim, turn on the controller while pushing in the Auto-Trim button.

LED on/off, Control Mode Switch:

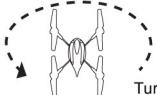
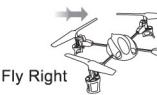
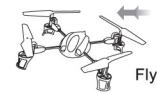
A: Press once for LED lights on/off toggle function.

B: Press and hold until beep sounds to toggle between Controller modes

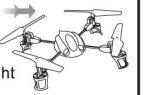
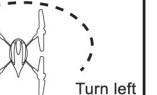
9. Power Switch: Slide forward to turn on controller, and back to turn off.

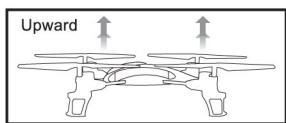
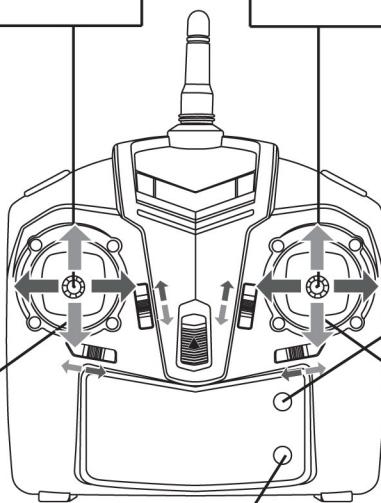
Controller Flight Sticks

Throttle / Left stick

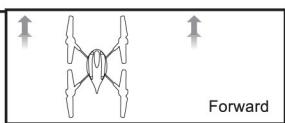
MODE 1	MODE 1
	
Push the throttle (left stick) to right.	Push the throttle (left stick) to left.
MODE 2	MODE 2
	
Fly Right	Fly Left
Push the throttle (left stick) to right.	Push the throttle (left stick) to left.

Right stick / Rudder

MODE 1	MODE 1
	
Fly Right	Fly Left
Push the rudder (right stick) to right.	Push the rudder (right stick) to left.
MODE 2	MODE 2
	
Turn right	Turn left
Push the rudder (right stick) to right.	Push the rudder (right stick) to left.

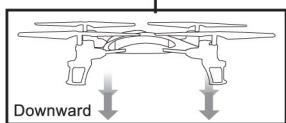


Push the throttle
(left stick) forward.

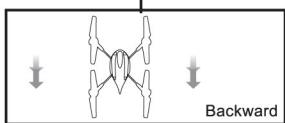


Push the rudder
(right stick) forward.

Press once to take photo, red light on camera flashes once.



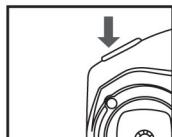
Pull the throttle
(left stick) down.



Pull the rudder
(right stick) down.

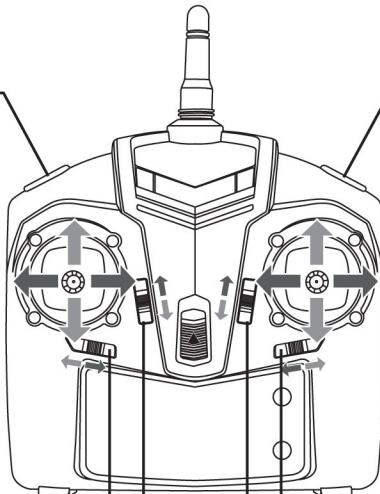
Controller Functions

Speed Select Auto-Trim

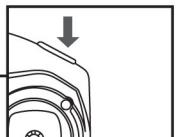


Press to change speed
(Listen for beeps)

Hold down while turning
on controller to auto-trim



LED on/off, Control Mode Switch

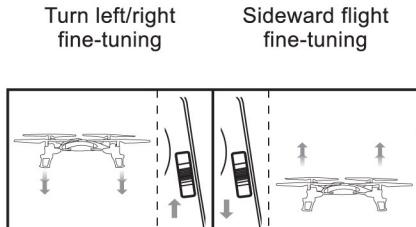


Press to toggle LED
lights on and off

Hold down to change
control mode

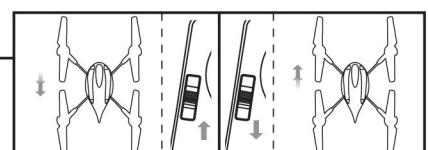
Manual Trim fine tuning

MODE 1	MODE 2
Turn left/right fine-tuning	Sideward flight fine-tuning



Upward/Downward fine-tuning

MODE 1	MODE 2
Sideward flight fine-tuning	Turn left/right fine-tuning

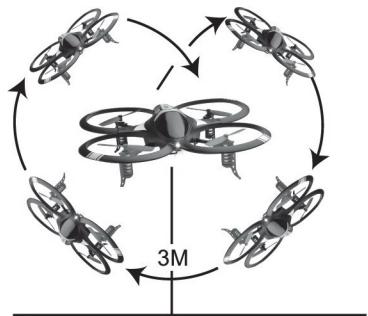


Forward/Backward fine-tuning

note: It is best to manual trim the X-DRONE while it is hovering.

Radical Flips & Rolls

Once you've mastered the basic control over the **X-DRONE** you can progress and start to do incredible flips & rolls. Using Speed Select, set to high-speed. (signaled by 3 beeps) Fly the **X-DRONE** at about 3 meters/9 feet and hover steadily. Then with a quick push on the side flight direction stick, you can get the **X-DRONE** to complete radical flip maneuvers, in any direction!



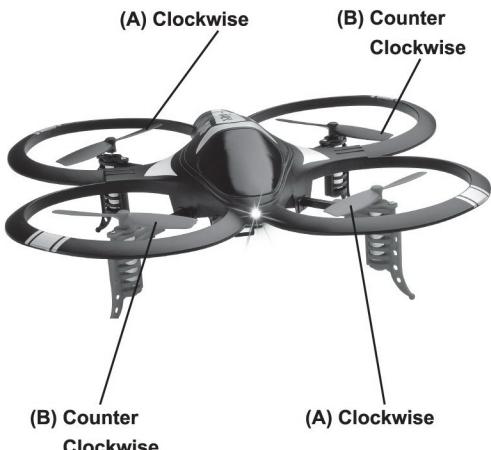
Replacing Damaged Blades

2 of the **X-DRONES** rotors turn clockwise in flight (A), and 2 turn counter clockwise (B). These two type rotors use different formed blades.

Your set comes with 4 replacement rotors, two (A) type and two (B) type.

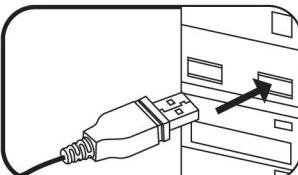
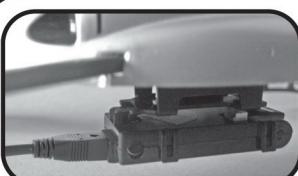
If one of the rotor blades is damaged, you can replace suitable type rotor by releasing the set screw on the side of the rotor shaft, exchanging same type rotor and re-setting the screw.

If you need additional replacement blades, please contact the manufacturer.



INSTRUCTION MANUAL FOR ITEM NO (H05NC) CAMERA FUNCTION

HOW TO SAVE PHOTOS AND VIDEOS FROM CAMERA TO COMPUTER



How to check the Photos and Videos

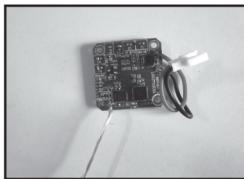
- 1.Use the Cable included in box, connecting the small plug into the Camera cable plug (see picture on the left), then connecting the other side plug onto the computer.
- 2.Open "my computer" and you will see the added soft disc inside.
- 3.Check into it and you will find both the Photos and Videos you have taken there.
- 4.The photos and Videos you have taken stored on the memory card.
- 5.The Photos are in JPG format, the Videos in AVI format.
If your computer does not open or play these formats as standard, you may need to convert them separately, or download alternative software.
- 6.Any additional software required is downloaded at your own risk.

Spare parts list

Order by item number from local distributors.



H05N-1 canopy



H05N-2 receiving board



H05N-3 battery case



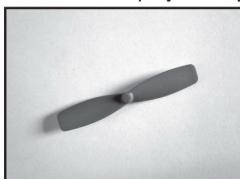
H05N-4 Li-poly battery



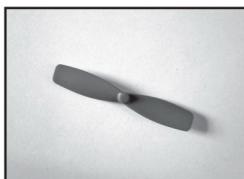
H05N-5 motor base



H05N-6 carbon-fibre tube



H05N-7 blade 1
(anti-clockwise)



H05N-8 blade 2(clockwise)

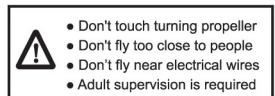


H05N- 9 motor

Warnings:

- . The control distance will be reduced if the **X-DRONE** or transmitter is not fully charged.
- . If the Helicopter becomes damaged, please stop using it immediately.
- . Remove all batteries from the transmitter when not using it for more than a few days.
- . Do not touch the motor during or after flights, as it will become hot.
- . Make sure your surrounding area is free of all obstacles before flying.
- . Not suitable for under 14 years old. Children should be accompanied by adults at all times.
- . If replacement blades are to be attached to the **X-DRONE**, care must be given to make sure they are put on the correct way round.
- . Do not dispose of any part of this product in the normal rubbish bin. All parts should be taken to your local recycling centre.

For ages 14+



Caution:

The user is cautioned that 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 an experienced radio/TV technician for help.