

INFINITY NX

LIVE STREAMING **VIDEO** DRONE



ODYSSEY
INSPIRING IMAGINATION

Thank you for your purchase of the Infinity NX Live Streaming Video Drone. You're just moments away from creating stunning aerial acrobatics!

Please read this manual carefully before use and retain it for future reference.

Product/spare parts included in this packaging

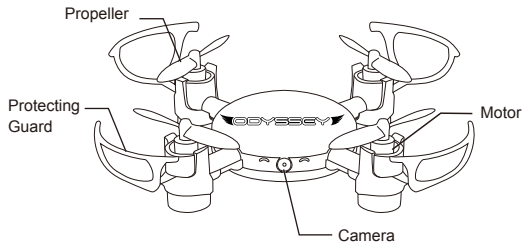
WHAT'S IN THE BOX			
x1	Infinity NX Drone Unit	x1	Rechargeable LiPo Battery
x1	2.4 Ghz Radio Transmitter	x1	Smartphone Holder
x1	USB Charger	x1	USB Charger
x4	X-Guard Propeller Pieces	x4	X-Guard Propeller Pieces
x1	Propeller Changer	x1	Propeller Changer

Safety guidelines

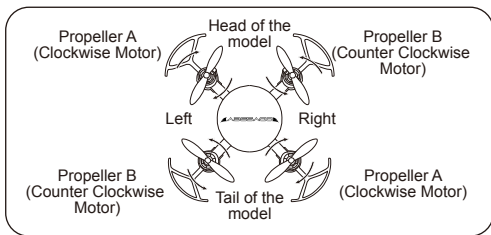
- This product is not a toy. It is not appropriate for children under 14 years old.
- Please read this instruction manual carefully before operating the product according to the manual.
- The manufacturer and dealers disclaim all responsibility for damage caused by misuse.
- Keep the small accessories away from children to avoid choking accidents.
- Keep batteries away from fire or other high-temperature environments.
- When flying the model, keep it at least 1~2 meters away from the user or others to avoid injury due to collision.
- Do not modify the product; modification may cause malfunction or accident.
- Fly the model within your line of sight to control it safely.
- Children require adult supervision when using this product.
- Remove rechargeable batteries before charging them.
- Recharge rechargeable batteries only under adult supervision.
- Remove exhausted batteries from the controller.
- Do not short circuit the supply terminals.
- The USB charger to be used with the product should be regularly examined for potential hazards, such as damage to the cable or cord, plug, and other parts. In the event of such damage, the product must not be used.

The Drone Unit

Major parts of the Drone

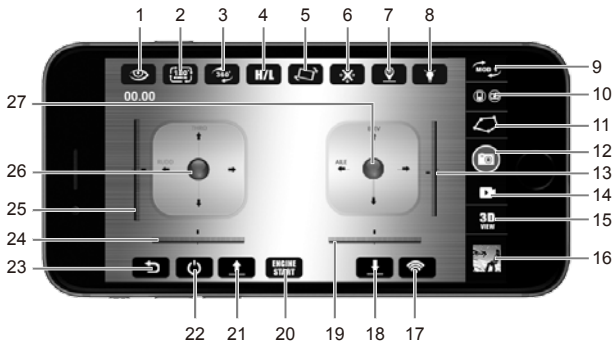


Orientation Confirmation



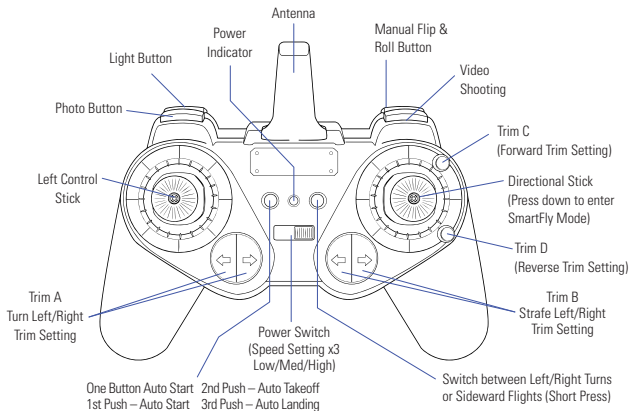
Power on the model and make sure that the propellers are installed in the right position. Propeller A at the left-front and the right-rear corner should spin clockwise. Propeller B at the right-front and the left-rear corner should spin counterclockwise.

Smartphone App “MJX H” Introduction to the Control & Functions



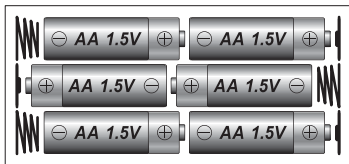
- | | | | |
|-------------------------|---|---------------------------------|------------------------|
| 1. Hide the interface | 9. Mode Switches | 15. 3D visual effects | 22. App control switch |
| 2. 180° screen eversion | 10. Low-level/
Medium-level
Throttle switch | 16. File play | 23. Return |
| 3. 360° Roll | 11. Waypoints | 17. WIFI signal of
the drone | 24. Trimmer B |
| 4. H/L speed | 12. Link/Unlink drone | 18. One key landing | 25. Trimmer A |
| 5. Gravity control mode | 13. Trimmer D | 19. Trimmer C | 26. Left stick |
| 6. Smart Fly mode | 14. Video | 20. One key Unlock | 27. Right stick |
| 7. Home Beacon | | 21. One key start | |
| 8. Light switch | | | |

Remote Control Button & Feature Locations



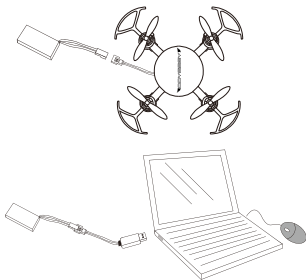
Installing the Batteries in the Remote Control

Use a small screwdriver to remove the screw securing the battery cover on the back of the remote control. Then install 6 x AA batteries (not included) in the orientation shown below. Then replace the battery cover back on the remote control and put the screw back in.



How to Charge the Drone Battery

Disconnect the battery wire plug from the power supply wire plug . Pull on the silver foil to remove the battery from the Drone. Then connect the battery wire plug with the USB charging cable plug, and insert the USB interface to any USB charging outlet to charge the battery. The USB indicator light illuminates while charging is proceeding and turns off once the battery is fully charged. Full charging time is around 70 minutes.



Reinstall the Drone Battery



Pic.1

Connect the battery wire plug with the power supply wire plug and insert the battery into the battery compartment.

Installing and Removing the Protective Guards



Pic. 2

1. Before flying, insert each protecting guard on the bottom of a rotor housing as shown and push the guard up until the clips at its top secure the guard.



Pic.3

2. If you wish to remove the guards for storage, gently pull apart the clips at the top of each guard and pull down the base until the guard is removed.

Preparation for Flight

APP Remote control software download



- For Android systems, please visit our website www.mjxc.com to download the software “MJX H”.
- For Apple IOS system, please go to the APP store to download the software “MJX H”.
(Or download either mobile phone APP by scanning the QR code below.)

QR Code
iOS



QR Code
Android

WiFi connection instructions*

1. Power on the model. The indicator light will flash rapidly. The model is in gyro-detection state. Put the Infinity NX drone unit on the ground.
2. Enter your smart phone's WIFI settings and connect to the WIFI signal “MJX H *****”. After a successful connection, exit settings.
3. Open the “MJX H” APP on your smart phone and click the logo “MONITOR” to enter the control interface to watch the real-time video. Or click “CONTROL” to enter the APP control interface to control the flight with the APP. Touch “” when it shows in RED, which means that your mobile phone has successfully connected with the drone. When connected, the indicator light on your drone will stay on. Touch “” and the rotor blades will rotate slowly. Then, push up the throttle control stick, and the drone will take off.

*If you want to use the remote control instead of the mobile device to control your Infinity, turn on your remote control and link it to your drone before opening up your MJX app ... if you want to use the smart device only, do not turn on the remote control.

Enter into the APP Control



1. Open the software
"MJX H"



2. Click the "CONTROL"
button.



3. Activate the mobile
phone APP real-time
remote control
interface.

Drone Calibration

Please perform calibration for the first flight or when the flight performance is poor. Poor flight performance (except vibration created by camera mount) or even complete failure may result from out-of-date calibration. To calibrate your unit, whether using the controller or smart phone app:

1. Put the model on the ground or any flat & still surface.
2. Pull down both of the control sticks to the bottom right corner for 2 seconds (Pic .4). The indicator light of the drone will flash rapidly and then stay on, indicating that calibration is complete.



Note: Please make sure that the model is put on the ground or any flat & still surface. If the model inclines, it will bring unsatisfactory altitude-hold performance after the model takes off.



Pic.4

Note: If you are using the Remote Control Transmitter, perform the same operation for Drone Calibration.

One key Take-off and Landing

1. After the model is unlocked, by pressing the Power button and then Engine Start, the rotor blades will rotate slowly; touch "  ", the model will take off.
2. While the drone is flying, make sure the drone is completely level and then touch "  ". The drone will automatically & gently land on the ground. Push the left throttle stick down once the drone reaches the ground to automatically stop the engine and propeller blades.

Emergency Stop


Whether using the controller or the smart phone APP, if you encounter an emergency, it's easy to perform an immediate landing. Just pull the left control stick to the left-bottom corner while pulling the right control stick to the right-bottom corner (Pic.5).



Pic.5


Note: If you are using the Remote Control Transmitter, perform the same operation for Emergency Stop.

Gravity Sensor (G-Sensor) Control Function


Touch “”; once it turns red, the model is in G-sensor control mode. The drone movement (turn left, turn right, fly left, fly right, fly forward and backward) will be controlled by the mobile phone's accelerometer.

Smart Fly (Headless Mode)

Enter into Smart Fly mode:

Touch the icon “”; once it turns red and the indicator light of the model turns from constant on to flashing, it means that the model has entered into headless mode.

Exit Smart Fly Mode:



While the model is flying in Smart Fly mode, touch the icon “” again. Once the icon turns black and the model indicator light turns from flashing to constant illumination, the drone has exited headless mode.

Setting Flight direction control in Smart Fly mode:

- When checking the flight direction of the drone, set the model nose straight ahead and tail facing you. This direction will be constantly considered as “forward” when forward signal is given from the remote control, no matter where the model nose is pointing to.

- When the model is flying in Smart Fly (Headless mode), you should keep facing the forward direction. Otherwise, the model will be difficult to control.


The model control is shown as below:

<p>Push up the forward/backward control stick, the model will fly forward, away from you.</p>		<p>Turn the sideward flight control stick right, and the drone will fly to your right.</p>
<p>Push down the forward/backward control stick, the model will fly backward, toward you.</p>		<p>Turn the turning control stick right, and the drone will turn to your left.</p>
<p>Turn the sideward flight control stick left, and the drone will fly to your left.</p>		<p>Turn the turning control stick left, and the drone will turn to your right.</p>


Remarks:

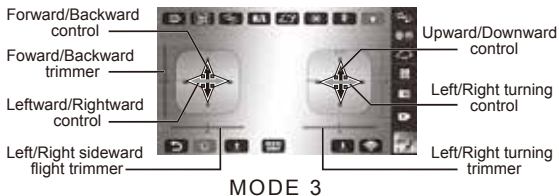
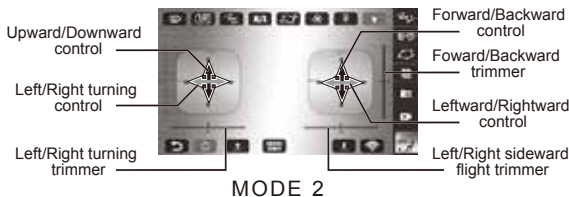
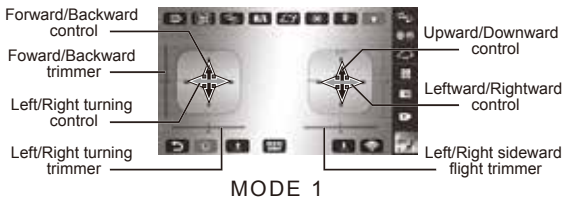
- Flight direction proof is needed when the model is going to fly in Smart Fly mode. When checking on the flight direction, the drone should be set straight ahead with its tail facing you. You should face the same direction the model nose is pointing. You should stand in the same orientation when flying the drone.
- When the model is flying in Smart Fly mode, if the flight direction is inconsistent, land the drone quickly and carry out the flight direction proof action again.

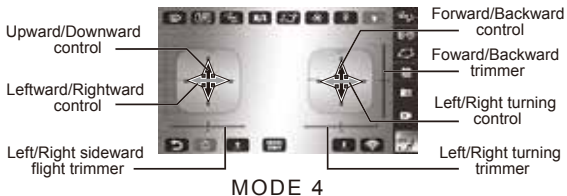
Home Beacon (One Key Return)

When the model is in headless mode, touch “” and the drone will fly back to the pilot. Press this button again or push the forward/backward control stick to exit the Home Beacon function.




Mode Switch

Touch “” to choose the control stick mode.







Medium / Low Throttle Control Switch

1. Touch “” to change the throttle control.
2. When “” is displayed, the medium throttle control is used to control the drone when not in altitude-control function
3. When “” is displayed, the low throttle control is used to control the drone when not in altitude-control function

Waypoints – Setting up your Flight Plan



Touch “” to enter into the flight plan interface. (Pic. 6)







Touch “” to adjust the flight proportion. The maximum proportion is 1:5 and minimum proportion is 1:1. Player can choose different proportion to regulate the flight route range.



Pic.6

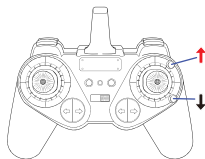
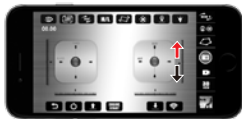
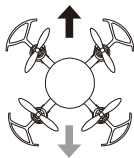
In the flight plan interface, the movements forward, backward and sideways can be achieved through the flight route drawn by the pilot. Use the diagrams below for reference.

Forward		<p>Draw the route upward, the model will fly forward.</p> 
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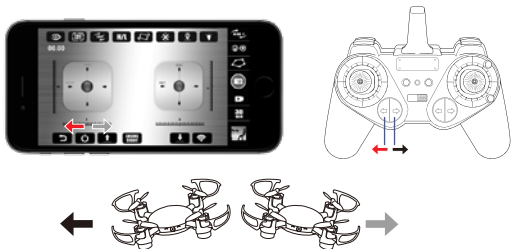
Backward		Draw the route downward, and the drone will fly backward.	
Leftward flight		Draw the route to the left, and the drone will fly left.	
Rightward flight		Draw the route to the right, the drone will fly right.	

Trimming Functions

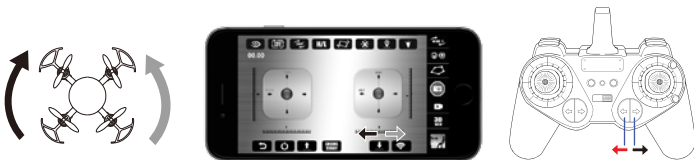
1. If the model keeps moving forward/backward even there is no control signal given, adjust the forward/backward trimmer in the app control interface or the remote control to keep the model balanced.



2. If the drone turns to the left or right even when there is no control signal given, adjust the left/right trimmer.

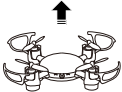



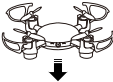













3. If the drone spins even when there is no control signal given, adjust the left/right turning trimmer.



Drone Control

Whether using the smartphone app or the included remote control, the controls are similar.

Upward	 <p>Push up the throttle control stick—the rotation speeds of the rotors will increase, and the drone will climb accordingly.</p>	
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Downward		<p>Push down the throttle control stick—rotation speeds of the rotors will decrease, and the drone will descend accordingly.</p>	
Turn left		<p>Turn the left/right turning control stick to the left, and the drone will turn left.</p>	
Turn right		<p>Turn the left/right turning control stick to the right, and the drone will turn right.</p>	
Forward		<p>When the drone is flying, push up the forward/backward control stick, and the drone will move forward.</p>	
Backward		<p>When the drone is flying, push down the forward/backward control stick, and the drone will move backward.</p>	
Leftward flight		<p>Turn the sideways flight control stick to the left side, and the drone will fly leftward.</p>	
Rightward flight		<p>Turn the sideways flight control stick to the right side, and the model will fly rightward.</p>	

Troubleshooting

	Problem	Possible Cause	Solution
1	The drone is powered on and the indicator light is flashing quickly.	<ol style="list-style-type: none"> 1. The model is in gyro detecting state. 2. The gyro component is damaged. 	1. Put the model on the ground or any flat & still surface.
2	The drone's indicator light is flashing very slowly.	The model is under powered.	Charge the battery.
3	The drone's indicator light repeats flashing twice and turns off. The drone cannot be activated.	The model is not connected with the mobile phone or controller.	<ol style="list-style-type: none"> 1. Open "MJX H" APP and press the remote control power button. 2. Exit "MJX H"; close the running program of the mobile phone and re-open the "MJX H" APP to operate. 3. Or switch to the controller to operate the drone.
4	Altitude-hold performance is unsatisfactory.	<ol style="list-style-type: none"> 1. The model is not put on a flat & still surface while it is detecting the gyro. 2. The model has been shocked by collision or rough landing, which results in the deformation of the rotor blades and excessive vibration. 	<ol style="list-style-type: none"> 1. Put the model on a flat & still surface and perform model calibration once again. 2. Change the distorted rotor blade.

Notes on Changes & Modifications

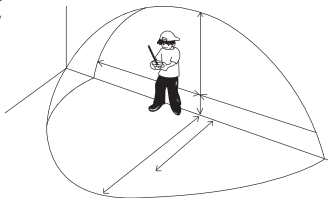
- a) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- b) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits 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.

FLYING SAFE • BE AWARE OF YOUR ENVIRONMENT and SURROUNDINGS

Always fly on a sunny, bright day with as little wind as possible. Flying in extreme heat or cold can adversely affect your flying control and response of the vehicle.



WARRANTY REFERENCE

Attach your receipt and/or proof-of-purchase here as future reference, in case you ever need to contact Odyssey Toys about your warranty or any issues you may have.

GENERAL CARE & MAINTENANCE

- Do not submerge the unit in any liquids.
- Keep the unit dry.
- Disconnect the unit and monitor from USB power sources when not in use.
- Do not place the unit near powerful, un-shielded magnets.
- Do not expose the unit to extreme hot or cold temperatures.
- Do not hit, drop, or smash the unit.
- Do not disassemble the unit for any reason.

NOT FOLLOWING ANY OF THESE PRECAUTIONS WILL VOID YOUR WARRANTY.

CAUTIONS & WARNINGS

- Suitable for ages 14 and up. Adult supervision is always recommended.
- This product contains small parts which are a choking hazard. Keep away from small children.
- Keep Quadcopter at least 10 feet away during use.
- Accurately assemble the quadcopter and fly it under the guidelines of this manual. Small parts should be installed by an adult.
- Manufacturers and dealers disclaim all responsibility for damage caused by misuse.
- Keep hands, hair and loose clothing away from rotors when powered on to prevent damage to the vehicle or serious injury to oneself or others.
- The quadcopter should never be flown in high winds in excess of 5 MPH or near a pool.
- Never leave the device unattended when being charged.

TECHNICAL SPECIFICATIONS & PARAMETERS

Charging Time: Approximately 70 minutes (dependent on usage)

Flying Time: Approximately 6-9 minutes (dependent on flying conditions)

Radio Control monitor viewing distance limit: approx. 50 meters

NOTICES

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.



Follow us at    **ODYSSEYTOYS**

A division of Odyssey Toys
20855 NE 16 Avenue No. C22 • Miami, FL 33179 United States

For Customer Service please email: Care@OdysseyToys.com
Please note the units model number and name in your email.

Model no. ODY-1715
Infinity NX Live Streamin Video Drone

- | | |
|--------------------------------|----------------------|
| Extra Parts Available! | • Extra Batteries |
| Visit Odyssey online to order: | • New rotor blades |
| | • X-Guard components |



MADE IN CHINA

