Thank you for your purchase of the Neptune II Live Streaming HD Video Drone. You’re just moments away from creating stunning aerial acrobatics!

WHAT’S IN THE BOX!

1. Neptune II Drone Unit
2. 2.4 GHz Transmitter
3. USB Charging Cable
4. 3.7V Rechargeable Lithium Battery
5. VR 3D Headset
6. Spare Propellers
7. Smartphone Holder (not shown)

INSTRUCTION & REFERENCE MANUAL • Model no. ODY-1950WIFI

Camera Drone
CHARGING THE NEPTUNE II DRONE

RADIO CONTROL TRANSMITTER • BATTERY INSTALLATION

Unscrew the screw holding the battery lid to the body. Then lightly pull the clip down to pull the lid away from the transmitter body.

Insert 3 x AA batteries into the battery compartment, making sure to match the polarities. Then replace the lid and firmly tighten the screw to secure the battery compartment.

⚠️ NOTICE
Please use 3 AA batteries. Use the polarity markings to install in the correct orientation. Do not mix batteries of different types.

⚠️ CAUTION
If the Radio Control Transmitter will not be used for extended periods of time, please remove the batteries.

⚠️ WARNING
Please check the AA batteries routinely. If the AA batteries are left within the Radio Control Transmitter, potential leakage and/or corrosion may occur, which can damage the transmitter and create a fire hazard.

1. At the rear of the drone, pull the upper and lower battery clips away from unit. Slide out the battery.
2. Connect the USB charging cable and the battery.
3. Insert the USB connection of the charging cable into a powered USB computer port. Please note: Not all USB ports provide power. Typically, only ports directly on a computer, and not through a peripheral, will provide enough power for charging.
4. A complete charge will take approximately one hour. The LED on the battery will turn off when charging is complete.
5. When the battery is fully charged, immediately disconnect the charging cable from the battery and reinstall the battery into the Neptune II drone.

⚠️ NOTICE
When charging with the included USB cable, the LED light will light up red, indicating it is charging. Once charging is complete, the LED light will turn off. Discontinue charging immediately.

WE RECOMMEND!
The Neptune II battery comes partially charged and is ready to fly. Refer to Remote Control Battery Installation section and use your Neptune II now. Use this charge completely before charging the Neptune II battery for the first time.
ATTACHING YOUR SMARTPHONE to the PHONE HOLDER

Your Neptune II Camera Drone comes with a plastic smartphone holder equipped with a compression clip that lets you view the Neptune II’s footage as it flies. This is done via the ODY Neptune II app that you can download for free. Please refer to the ODY Neptune II App Menu & Guide included in your package for further instructions on how to utilize the free app with your drone.

Take your smartphone and insert it into the clip until it has a secure hold. Attach the smartphone holder to your remote control transmitter, start up the ODY Neptune II App and you are good to go!

PAIR THE UNIT WITH THE REMOTE CONTROL & START TO FLY

Step 1: Switch on the Drone. The LED lights will start to blink.
Step 2: Turn on the Remote Transmitter. Its power light will illuminate. Wait 5-7 seconds for the electronic gyro to stabilize*.
Step 3: Push the throttle (left) stick up to the 12 o’clock position and then down to the 6 o’clock position. As the remote transmitter searches for the Drone, the power light on the transmitter blinks rapidly.
Step 4: Connection is complete once the power light and the LEDs on the Drone stop blinking. The video feed will also come up on the screen. You’re ready to fly!

⚠️ NOTICE

*Be sure to place the quadcopter on a level surface to ensure a proper and neutral alignment of the gyro.
# ASCEND/Descend

Ease the throttle (left stick) upward in order to make the Neptune II go higher.

Ease the throttle (left stick) downward in order to make the Neptune II lower in altitude.

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# Flying, Directions, & Turning

Use the right stick, (Directional Stick) to move forward or backward. Normally, the Neptune II’s “front” is the cockpit.

Push the throttle stick left or right to make the Neptune II rotate in that particular direction.

Pressing Right or Left on the Directional stick will strafe the Neptune II in that direction according to the cockpit.

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# Advanced Features • Always-On Auto Hover & 360º Flips

## Always-On Auto Hover

Your Neptune II Drone features an Always-On Auto Hover mode. Just launch the Drone into the sky, take it up to your desired altitude using the left joystick and then release the joystick. The Neptune II will stay at the desired altitude without further commands needed.

## 360º Flip

Press the 360 button once on the bottom right of the radio control transmitter to have it perform 360º flip maneuvers!

To protect your unit from crashes, execute flips at an altitude of 10 feet or more. Your Neptune II will better perform 360º flips when its drone battery is fully charged.
**NEPTUNE II VIDEO DRONE - ADVANCED FEATURES**

**SmartFly Tech Headless Flight**

To initiate this mode, hold down the SmartFly button on the left front of the Remote Transmitter until the drone’s 4 LED lights begin to flash. To terminate the mode, press the button again until the light turns off.

TIP: Before entering SmartFly Tech Headless Flight, please place on a level surface and confirm that the cockpit at the front of your drone is facing forward in flight.

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**ONE KEY TAKE-OFF & LANDING**

To Take Off:
When your drone is ready for takeoff, push the Throttle (left) stick to the top and then release upward and downward until the flashing lights stop flashing, and then position both sticks in their outside diagonal position—left stick bottom left, and right stick bottom right. The propeller will rotate slowly. Then press the Auto Takeoff button. The drone will rise to a height of approximately 6 feet.

To Land:
When your drone is hovering, press the Auto Takeoff/Landing button. The drone will automatically descend to the ground.

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**CALIBRATING YOUR REMOTE CONTROL**

If the Neptune II drone tilts to the left or right in flight when it should be hovering, you may need to calibrate trim. To do so:
1. Place your drone on a level surface.
2. Push both joysticks at the same time to the 5 o’clock position (see diagram) and hold the sticks there for 3 seconds.
3. The light indicator will blink rapidly and then return to normal status in about 5 seconds. Your drone trim has been calibrated.

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**FORCE-STOPPING YOUR NEPTUNE II IN AN EMERGENCY**

In case of an emergency, pushing the Throttle (left) joystick to the lower right and the Directional (right) joy stick to the lower left (as shown in the diagram) will stop the drone propellers immediately.
Please Note: There are faint letters on the underside of the propellers which will help you distinguish blade from blade. The top left and back right blades are A1 and match with the A1 blades and the bottom left and top right are B1 and match with the B1 blades.

Please ensure proper installation of the propellers to fly the drone.

STEP 1: The drone comes with four replacement propellers which should be used in case a propeller is lost or breaks due to an accident.
STEP 2: Match your propellers to each wing by the corresponding letter: A, B, and B, A
STEP 3: Place each propeller on the small pin on the corresponding wing.

**PROBLEM** | **POSSIBLE SOLUTIONS**
---|---
Transmitter won't power on | Check to make sure the power switch is in the ON position. If set to OFF, move to the ON position.
| Check to make sure the batteries are installed correctly. Check to make sure they match the polarity markings.
| If the batteries are installed correctly, they may be exhausted. Replace with new and fresh batteries.
Lack of control | If your Drone can't be controlled accurately:
| • Make sure the radio control transmitter is set to the ON position
| • Make sure the battery on the vehicle is installed correctly
| • The vehicle may fly erratically if wind conditions are too strong. Fly the vehicle under calm conditions.
| • Make sure the radio control transmitter has paired correctly with the vehicle. If not, power down the vehicle and the radio control and start over.
Failure to gain altitude | If the unit fails to go up in altitude or goes up too slowly, try the following:
| The rotor speed may be too slow to lift the quadcopter sufficiently. Make sure the throttle is being raised sufficiently. If the unit still does not go up or goes up too slowly, the battery of the quadcopter might be too discharged for safe or satisfactory operation. Charge the battery before continuing to fly the unit.
Avoid crash landings | Landing the unit takes skill and practice. If your Drone comes down too fast, it could be damaged. Ease the Drone down slowly by lowering the throttle (left) stick until the unit is safely on the ground.
TRIM ADJUSTMENT ON THE RADIO CONTROL TRANSMITTER

Correct trim adjustment is required for error and erratic-free flying of the quadcopter. The adjustment is simple to do on the radio control transmitter, but it requires some patience. Please follow the instructions precisely. For best results, move the throttle up and raise the quadcopter approximately 2-3 feet (0.5-1 meter) in altitude.

**If the quadcopter moves by itself slowly or quickly to the left or right:**
Press the trim control for banking incrementally in the opposite direction of movement.

**If the quadcopter moves by itself slowly or quickly around its own axis:**
Press the trim control for rotation incrementally in the opposite direction of movement.

**If the quadcopter moves by itself slowly or quickly forwards or backwards:**
Press the trim control for forwards and backwards flight incrementally in the opposite direction of movement.

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.

CHARGING TIME: Approximately 60 minutes (dependent on usage)
FLYING TIME: Approximately 13-15 minutes (dependent on flying conditions)
Radio Control monitor viewing distance limit: Approximately 30 meters (~98 feet)

NOTES

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.

This drone does not require FAA registration.
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Miami, FL 33179 United States

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

Model no. ODY-1950WIFI
Neptune II Camera Drone

Extra Parts Available!
Visit Odyssey
online to order:
www.OdysseyToys.com

• Extra Batteries
• New Rotor blades
• X-Guard Components
DOWNLOAD the ODY NEPTUNE II APP

By downloading and installing the Odyssey Neptune App on your smartphone, you can also fly your Neptune II by Touch Gravity Sensor, Touch Throttle Controls, and Waypoints.

Scan the QR code or search for ODY Neptune 2 in the App Store.

You will not need to use your Radio Controller.

CONNECTING YOUR PHONE to the NEPTUNE II’s WiFi SIGNAL

Enter the WiFi set up on your smartphone. Search for the signal that says Neptune 2 WiFi XXXX where the XXXX will be replaced by a random 4-digit number that the Neptune II drone automatically generates. Once it is connected, you can open the ODY Neptune 2 app to proceed with operation of the drone.

NOTE: If you have the app running without having connected the WiFi signal, you will be greeted by the screen below.
This setting will turn your mobile device into the controller and will allow your drone to move in any direction that you move your phone. You will not need to direct the drone with the throttle sticks in this setting.

Step 1: Power up the Neptune II drone, connect to the WiFi, and then open the app. Tap the OFF button.
Step 2: Press the Ignition button.
Step 3: Press the Auto Take Off button
Step 4: Keeping your phone horizontal, tap the Gravity Sensor icon at the top of the right throttle stick.
Step 5: Keep your thumb in contact anywhere on the phone screen and move your phone in any direction—the drone will follow.

The directions below are for touch control, which requires you to tap and push the virtual throttle sticks on the phone. This method is the most common way of flying drones.

• Step 1: Power up the Neptune II drone, connect to the wi-fi, then open the app. Tap the OFF button.
• Step 2: Press the Ignition icon.
• Step 3: Press the Auto Take Off icon.

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**Ascending/Descending – Left Throttle Stick**
Ease the left throttle stick icon upward to make the Neptune II drone climb higher.
Ease the left throttle stick downward to lower the drone.

**Forwards/Backwards – Right Directional Stick**
Ease the right throttle stick (Directional Stick) icon up and down to make your drone go forward and backward.

**Side Flight Left or Right – Right Directional Stick**
Push the right directional stick icon left or right to side fly your drone.

#### Speed
There are three speeds on the drone that can be selected by tapping the speed icon.
• Speed 1: Tap ONCE for Slow speed (30% of maximum).
• Speed 2: Tap TWICE for Medium speed (60% of maximum).
• Speed 3: Tap THREE TIMES for Fast speed (100% of maximum speed).

#### Landing
Gently tap the Auto Landing icon until landing on the ground. There is also an emergency STOP button that can be pressed to end the flight at any time.

**Auto Landing**
To land your drone automatically, lower your throttle stick to the bottom.
To calibrate the drone back to normal settings, use the Trim settings found below the left and right throttle stick, icons.

There are the four adjustments you can make to the flight characteristics:

A **Turning**: If your drone drifts left or right, press the roll trim button located below the right directional stick until centered.

B **Forward/Backward Trim**: If your drone drifts backward or forward, press the pitch trim button, located to the right of the right directional stick, until centered.

C **Side to Side**: If the Neptune II drone is spinning in circles or drifting in a rotation, press the right and left rotation, below the left throttle stick, until centered.

**Auto Reset**: To bring the drone back to a horizontal and stable flight, click the “One Push Reset” for gyro calibration.
Note: When you connect your phone to the drone’s WiFi, your phone will ask you if you want to allow your camera to access photos. Choose “Yes” to allow the drone to take photos and save them to your gallery.

Step 1: When your drone is stable in flight, aim the camera at yourself or subject. (Note: You can also reverse the camera by tapping the camera reverse button.)
Step 2: Tap the camera or video icon to take a photo or video.
Step 3: To view your photos, land your drone and tap the Image Gallery button.
Step 4: In the Image Gallery, you will see a camera icon and a video icon with a list of files. These files are your photos. Tap a photo to view it or delete it.
Step 5: Your photos/videos are also saved to your phone’s camera roll. To view the photos, go to your gallery to the most recent photos. Or access the Neptune II folder if your phone has created it for the photos.
Step 6: Share your photos with your friends!

**MENU & BUTTON QUICK REFERENCE GUIDE**

1. **Back/Return**: Return to the previous Menu
2. **Record a Video**: Use the camera on your drone to record a video.
3. **Image Gallery**: Access your photos and videos and view them.
4. **Speed Control**: Change your speed to 30%, 60%, and 100%
5. **Ignition**: Open ignition menu.
6. **Gravity Sensor**: Fly the drone by using the phone’s movements as the controller.
7. **Show/Hide Wheel**: Show or hide the throttle and directional sticks from your screen.
8. **Power Switch**: Press to power on and off
9. **Extra Settings**: Expands menu to see additional buttons.
10. **Camera Reverse**: Changes the camera from selfie mode to standard mode.
11. **VR Mode**: Enable VR Mode
12. **Smart Fly Tech**: Press to enable Smart Fly (Headless Mode)
13. **Gyro Calibration**: Press to calibrate the drone’s internal gyrometer
14. **Video Resolution**: Press to switch between VGA and 720p resolutions
15. **360º Flip**: Press to perform a 360º flip
16. **Left Side Trim**: Tap to center the drone if it’s tilting too much to the left side.
17. **Right Side Trim**: Tap to center the drone if it’s tilting too much to the right side.
18. **Left Turning Trim**: Tap to center the drone if it’s turning too sharply to the left.
19. **Right Turning Trim**: Tap to center the drone if it’s turning too sharply to the right.
20. **Forward Trim**: Tap to center the drone if it’s tilting too far forward.
21. **Backward Trim**: Tap to center the drone if it’s tilting too backward.
22. **Left Joystick – Throttle**: Moves the drone up, down, and rotates it right or left.
23. **Right Joystick – Directional**: Moves the drone side to side and forward and backward.
1. **INSTALL YOUR SMARTPHONE INTO THE VR 3D HEADSET**
   From the left side of the headset, pull to slide out the front panel to expose the smartphone holder in the VR 3D headset.

   Push the plastic and rubber clamp up, place your smartphone in, and gently release clamp to hold your phone in place.

   **NOTE:** The size of the smartphone should not exceed 6.4" (163 mm) x 3.25" (83 mm). Do not charge your smartphone while it is within the Odyssey VR 3D Headset.

2. **START YOUR APP and ADJUST YOUR HEADSET**
   Start the Odyssey VR app on your smartphone, select the VR Split-Screen Display option, and slide the smartphone back into the headset.

   You can adjust the lenses to clarify the view by using the two adjusters on the top of the VR 3D Headset.

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Your Odyssey VR 3D Headset is also compatible with other amazing Virtual Reality experiences. Download other VR apps and games on both the App Store and Google Play.

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**CAUTION**

1. If you experience dizziness or nauseousness, stop using the app and Odyssey VR 3D headset immediately.
2. Those with claustrophobia or fear of heights should take care using the app and headset. Discontinue use if you feel any discomfort.