



# POCKET DRONE 2



***Instruction Manual***  
***ODY-1717NX***

**14+**

We hope you enjoy your purchase of the Pocket Drone 2 and that this user manual helps you get your drone off the ground and taking photos!

## ***Specifications***

**Charging Time:** About 60 minutes

**Flying Time:** About 5-6 minutes

**Controlling Distance:**

About 25-30 meters

**Battery for Quadcopter:**

3.7V 500 Mah 20c Li-Poly

**Wifi Name:** Pocket Drone 2

**App Name:** ODY Pocket Drone

## ***QR Codes for App:***



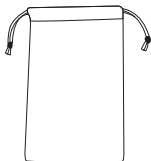
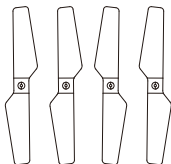
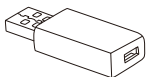
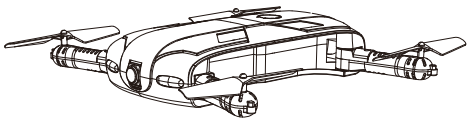
iOS



Android

# ***Included Contents***

1. Pocket Drone Unit
2. Rechargeable 3.7v Lithium Battery
3. USB Charging Cable
4. Instruction Manual
5. Quickstart Guide
6. Replacement Blades (4)
7. Velvet Drawstring Carrying Case



# Flight Preparation

## Arm Folding

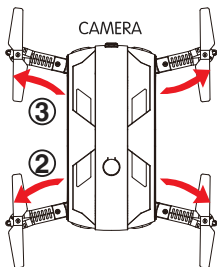
**Please Note:** The pocket drone's arms and propellers are folded within the body and you must unfold all the arms to fly the drone.

**Step 1:** Remove your drone from its box and place it on a stable surface.

**Step 2:** Starting with the left/right side of the drone, gently unfold the back arm.

**Step 3:** Unfold the front arm on the same side and repeat on the other side of the drone.

**Please Note:** We suggest when putting the drone away to fold the front arms in first and then the back arms to ensure a perfect fit each time.



# Flight Preparation

## Propeller Installation

**Please Note:** There are faint letters on the underside of the propellers which will help you distinguish blade from blade.

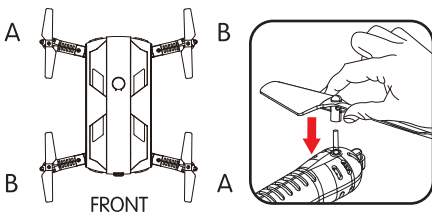
The top left and bottom right blades are arms A and match with the A blades and the bottom left and top right are arms B and match with the B blades.

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

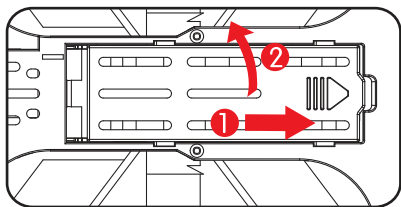
**Step 3** Place each propeller on the small pin on the corresponding wing.



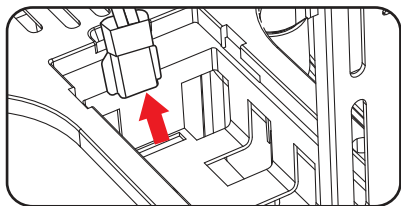
## ***Charging the Pocket Drone Battery***

Please Note: The Pocket Drone comes with a partially charged battery, however in the case that you need to charge the battery please follow the instructions below.

**Step 1** On the back of the drone push the drone's battery lid up until it clicks. Then lift it up and push it back until it clicks again into place.



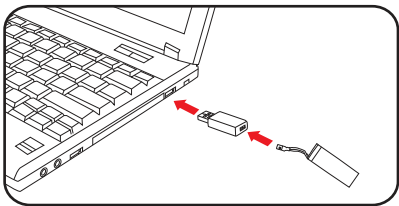
**Step 2** Carefully remove the battery and disconnect it from the drone by lightly pulling on the black and white port.



**Important:** Do not pull on the wires to remove the battery as this may damage the battery.

**Step 3** Insert the white connector of the battery into the USB.

**Step 4** Insert the USB into a computer. A red light will appear on the USB indicating the charge has started.



**Step 5** The charge is complete when the red light disappears. Remove the USB from your computer and the battery from the USB.

**Step 6** Insert the battery into the drone by connecting the white port to the white circuit and replace the lid by folding it down and pushing backwards until it clicks.

**Warning:** Please check the batteries regularly as potential leakage and/or corrosion of old batteries can damage the drone and/or create a fire hazard.

**Caution:**

- Remove the batteries immediately if you sense any smell or smoke.
- Do not charge the batteries if they are hot, wait until they cool down.
- Do not charge the batteries next to inflammables or on a conductive surface.
- Do not overcharge the battery, once the red light disappears, discontinue the battery.
- Do not use non-Odyssey batteries and battery chargers. Only use those which come packaged with this device. If you need additional batteries or chargers, they are available in our Parts Shop on [www.odysseytoys.com](http://www.odysseytoys.com).
- For safety and best practice, unplug the battery connection from the power source inside the drone when not in operation.



## ***Downloading the Odyssey Application***

**Notice:** The Pocket Drone quadcopter transmitter is application based and you must download the app to fly the drone. The app is supported on Android and iOS devices.



**iOS**



**Android**

**Step 1** Use your phone to scan the QR code or install the app by accessing the Play/iTunes store and searching for ODY Pocket Drone.

**Step 2** Press the power button on your drone, the lights will flash.

**Step 3** Connect your phone to the drone's Wi-Fi signal named Pocket Drone 2

**Step 4** Open the app and tap Connect. This will connect your drone to the application.

# ***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 with extreme force.
- Do not disassemble the unit for any reason.

## **NOT FOLLOWING THESE PRECAUTIONS WILL VOID YOUR WARRANTY.**

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.

# ***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 around.
- 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.

Odyssey Toys • Miami, FL 33179

For Customer Service please email:  
Care@OdysseyToys.com

Please note the units model number and name in your email. Extra Parts Available! Visit Odyssey online to order:

- Extra Batteries
- New rotor blades Model no. ODY-1012RB / ODY-1012GY
- Turbo Runner Rolling Quadcopter

[www.OdysseyToys.com](http://www.OdysseyToys.com)



**MADE IN CHINA**

# Flight Controls

There are three ways to fly the Pocket Drone 2, by Gravity Sensor, Throttle Control, and Waypoints.



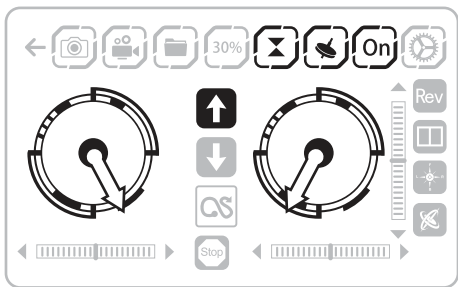
**Blades ON:** To turn the blades of the drone you can take the middle throttle and directional sticks and



push them down and slightly off center. This will initiate the blades.



Then use the throttle sticks to gain altitude. You can also click the up button for auto take off.



## Gravity Sensor

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

move the drone with the throttle sticks in this setting.



**Step 1** Power up the Pocket Drone, connect to the wi-fi, 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 by the top of the right throttle stick.

**Step 5** Keep your thumb anywhere on the phone and move your phone in any direction, the drone will follow.

## ***Throttle Control***

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



**Step 1** Power up the Pocket Drone, connect to the wi-fi, then open the app. Tap the OFF button.



**Step 2** Press the Ignition button.



**Step 3** Press the Auto Take Off Button



**Step 4** Use the left throttle sticks and the right directional sticks on your screen to fly the drone.



**Ascending/Descending – Left Throttle Stick**

Ease the left throttle stick upwards to make the Pocket Drone go higher in altitude. Ease the left throttle stick downwards to lower the Pocket Drone.



**Turning – Left Throttle Stick**

Push the left directional stick left or right to turn the Pocket Drone in a specific direction.



**Forward/Backwards – Right Directional Stick**

Ease the right throttle stick (Directional Stick) up and down to make the Pocket Drone go forward and backward.



**Side Flight Left or Right – Right Directional Stick**

Push the right directional stick left or right to side fly the Pocket Drone.



## Speed

There are three speeds on the drone which can be changed by tapping the speed button.

**Speed 1** 1 Tap Slow at 30%

**Speed 2** 2 Taps Medium at 60%

**Speed 3** 3 Taps Fast at 100%

## Landing

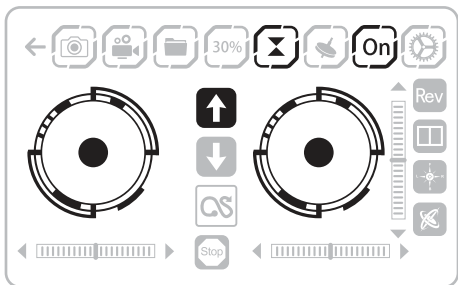


Gently tap the Auto Landing button until landing on the ground. There is also an emergency STOP button



which can be pressed to end the flight at anytime.

**Auto Landing:** To land your drone automatically, lower your throttle stick to the bottom.





## Waypoint Flight

In this setting you can draw lines on your screen to command the Pocket Drone to fly in a specific flight plan. Try flying forward, backwards, left, and then right before connecting paths.



**Step 1** Power up the Pocket Drone, connect to the wi-fi, then open the app. Tap the OFF button.



**Step 2** Press the Ignition button.



**Step 3** Press the Auto Take Off Button



**Step 4** Tap the Waypoints button to enter the waypoint settings

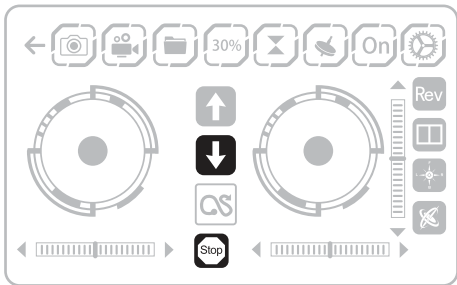
**Step 5** Touch the throttlestick button to adjust the flight altitude.

**Forward** On your screen, draw a line upward to make the drone fly forward.



**Backward** On your screen, draw a line downward to make the drone fly backward.

**Left** On your screen, draw a line to the left to make the drone fly left.

**Right** On your screen, draw a line to the right to make the drone fly right.







## Trim

- ◀  To calibrate the drone back to normal settings you can use the  ▶ Trim settings found below the left and right throttle sticks

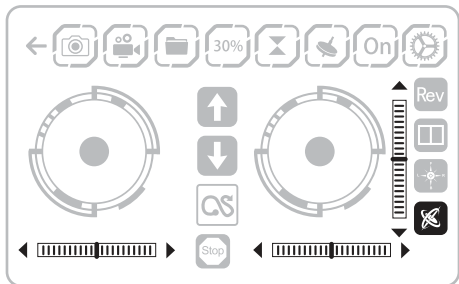
The following are the four adjustments that you can make to the flight characteristics:

**Please Note:** The Side to Side and Forward/Backward rarely need to be adjusted.

- ◀  • **Side to Side:** If the Pocket Drone is spinning in circles or drifting in a rotation, press the right and left rotation, below the left throttle stick, until centered

- 
 • **Forward/Backward Trim:** If the Pocket Drone drifts backward or forward, press the pitch trim button, located to the left of the left directional stick, until centered.
- 
 • **Turning:** If the Pocket Drone drifts left or right, press the roll trim button located below the directional stick until centered.
- 
 • **Auto Reset:** To bring the drone back to a horizontal and stable flight, click the “One Push Reset” for gyro calibration (25)

**Please Note:** If the app crashes or your phone powers off during flight, the drone will stabilize and safely land to end the flight and avoid crashing.





# Taking Selfies


**iPhone Users:** When you connect your phone to the 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.

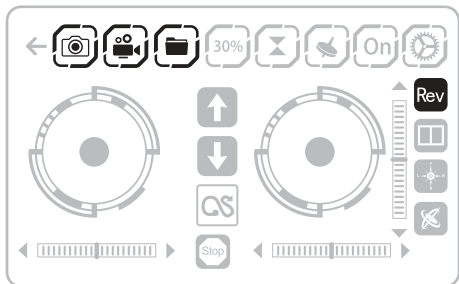
**Step 1** When your drone is stable in flight, aim the camera on yourself or subject.

**Rev** **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 and looking at the most recent photos and/or accessing the Pocket Drone folder your phone has created for the photos.

**Step 6** Share your photos with your friends!


# Menu Buttons


 **Back:** Return to the previous Menu


 **Take a Photo:** Use the camera on your drone to take a photo.


 **Record a Video:** Use the camera on your drone to record a video.


 **Image Gallery:** Access your photos and videos and view them.

 **Speed Control:** Change your speed from 30%, 60%, and 100%


 **Ignition:** Open ignition menu.

 **Gravity Sensor:** Fly the drone by using the phone's movements as the controller.

 **Show/Hide Wheel:** Show or hide the throttle and directional sticks from your screen.

 **Auto Take Off:** Accelerate immediately and take off.

 **Auto Landing:** Descend immediately and land.

 **Waypoints:** Draw lines on your screen to make the drone fly in a specific flight plan.



**Emergency Stop:** Drone shuts off immediately.



**Left Joystick - Throttle:** Moves the drone up, down, and rotates right or left.



**Right Joystick - Directional:** Moves the drone side to side and forward and backwards.



**Left Turning Trim:** Tap to center the drone if turning too sharply to the left side.



**Right Turning Trim:** Tap to center the drone if turning too sharply to the right side.



**Left Side Trim:** Tap to center the drone if tilting too much to the left side.



**Right Side Trim:** Tap to center the drone if tilting too much to the right side.



**Forward Trim:** Tap to center the drone if tilting too forward.



**Backward Trim:** Tap to center the drone if tilting too backwards.



**Additional Features:** Expands menu to see additional buttons.



**Camera Reverse:** Changes the camera from selfie mode to standard mode.



**VR Playback:** Allows you to watch your videos in virtual headset mode (not included).



**Smart Fly Tech:** Drone responds to the directions as if it is facing the way you're facing.



**Auto Restart:** Restart drones setting (trim) back to center and normal position.

