VIVITAR

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Keep All Relevant Information for Future Reference.

BC

VIVITAR

EYE IN THE SKY

LIVE STREAMING

WIFI QUADCOPTER DRONE & VR HEADSET

USE VR HEADSET FOR REAL TIME TRANSMISSION OF AERIAL VIEWS

DRC-125
USER'S MANUAL

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1. FOREWORD

Thank you for purchasing the Vivitar WIFI Quadcopter Drone and VR Headset, item DRC-125. The included remote controlled aircraft is designed specifically for outdoor flying, Also included is a VR headset that can be used to get an aerial view of your flights in real time. Please read this manual carefully before using. In addition, be sure to keep this manual in a safe place for future reference.

WARNING LABEL DEFINITIONS

⚠ WARNING	Mishandling caused by failure to follow these instructions may result in damage or injury.
⚠ CAUTION	Mishandling caused by failure to follow these instructions may result in danger.
⊘ FORBIDDEN	Do not attempt under any circumstance.

IMPORTANT NOTES ABOUT YOUR DRONE

Your drone is not a toy. It is a miniature remote control six-axis aircraft. It is safe to use, as long it is used as indicated in this instruction manual. This device should only be dismantled, disassembled or serviced by trained professionals. Improper use of this product may be dangerous and can lead to accidents or personal injury.

The manufacturer assumes no liability for accidental damages caused by improper assembly, or any unsafe usage of this device. This product is intended for use by individuals aged 14 years or older. Please ensure that this product is used in a safe environment.

We recommend that you seek the assistance of an experienced pilot before attempting to fly this aircraft for the first time. This aircraft requires a certain degree of skill to operate, and is subject to normal wear and tear. Any damage or dissatisfaction that result from accidents or modifications are not covered by this product's warranty.

2.USING YOUR DRONE: PRECAUTIONS

⚠ CAUTION Fly only in safe areas away from other people. Do not operate this aircraft in the vicinity of large crowds. This aircraft can be prone to accidents caused by pilot error or radio interference. The pilot of the aircraft is responsible for any damage or injury caused in such instances.

Vivitar One Year Warranty

This warranty covers the original consumer purchaser only and is not transferable.

This warranty covers products that fail to function properly UNDER NORMAL USAGE, due to defects in material or workmanship. Your product will be repaired or replaced at no charge for parts or labor for a period of one year.

What Is Not Covered by Warranty
Damages or malfunctions not resulting from defects in material or workmanship and damages or malfunctions from other than normal use, including but limited to, repair by unauthorized parties, tampering, modification or accident.

To Obtain Warranty Service and Troubleshooting Information:
Call 1-800-592-9541 in the U.S. or 0-800-917-4831 in the UK or Visit our website at www.vivitar.com.

To receive Warranty service along with the name and address of an authorized product service center, the original consumer purchaser must contact us for problem determination and service procedures. Proof of purchase in the form of a bill of sale or receipted invoice, evidencing that the Product is within the applicable Warranty period(s), MUST be presented in order to obtain the requested service. It is your responsibility to properly package and send any defective products along with a dated copy of proof of purchase, a written explanation of the problem, and a valid return address to the authorized service center at your expense. Do not include any other items or accessories with the defective product. Any products received by the authorized service center that are not covered by warranty will be returned unrepaired.

NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OTHER THAN THOSE EXPRESSLY DESCRIBED ABOVE SHALL APPLY. DISTRIBUTOR FURTHER DISCLAIMS ALL WARRANTIES AFTER THE EXPRESS WARRANTY PERIOD STATED ABOVE. NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BE BINDING ON DISTRIBUTOR. REPAIR, REPLACEMENT, OR REFUND OF THE ORIGINAL PURCHASE PRICE - AT DISTRIBUTOR'S SOLE DISCRETION - ARE THE EXCLUSIVE REMEDIES OF THE CONSUMER. IN NO EVENT WILL DISTRIBUTOR, ITS MANUFACTURERS, OR SAKAR INT. BE LIABLE FOR ANY INCIDENTAL, DIRECT, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES (SUCH AS, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS, BUSINESS, SAVINGS, DATA OR RECORDS) CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE PRODUCT. EXCEPT AS STATED HEREIN, NO OTHER WARRANTIES SHALL APPLY NOT WITHSTANDING THE FOREGOING, CONSUMER'S RECOVERY AGAINST DISTRIBUTOR SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT SOLD BY DISTRIBUTOR. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL CONSUMER WHO PURCHASED THE PRODUCT AND IS NOT TRANSFERABLE.

Some countries, states or provinces do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on warranties, so limitation or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or province to province. Contact your authorized retailer to determine if another warranty applies. This product is manufactured, distributed and sold by SAKAR International, Inc. All other trademarks are the property of the respective owner, who has not sponsored, endorsed or approved this product.

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

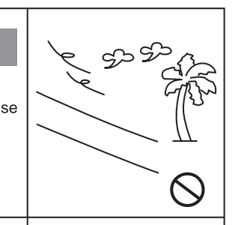
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

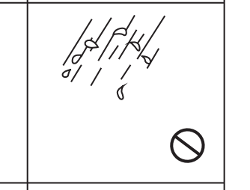
⊘ FORBIDDEN **KEEP AWAY FROM OBSTACLES, HEAT AND ELECTRICAL WIRES**

This product is most suitable for outdoor use. Avoid using in 15 mph or higher winds. Please do not use in areas with many obstacles such as trees or branches. Keep away from crowds of people and pets. Don't use in locations that are unsafe, such as near sources of heat or electricity.



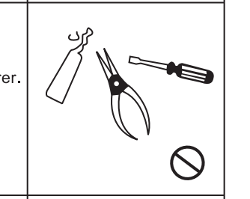
⊘ FORBIDDEN **AVOID MOISTURE**

There are many sophisticated electronic components inside of your aircraft. As such, it is essential to avoid exposing your aircraft to moisture or water vapor. Avoid using your aircraft in wet weather.
Make sure that the internal electronic components are not exposed to moisture or water vapor as well.



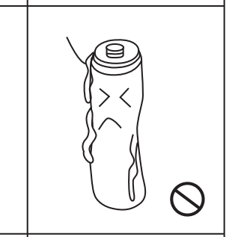
⊘ FORBIDDEN **PROPER OPERATION**

Please do not attempt to modify, upgrade or alter your aircraft in ways not suggested by the manufacturer. Please only use the original parts and accessories to ensure safety.



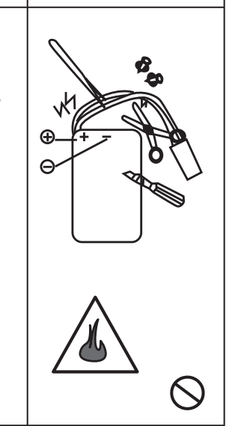
⊘ FORBIDDEN **SAFETY NOTE FOR NI-MH BATTERIES**

Make sure batteries are inserted with the correct polarity as indicated in the battery compartment.
Do no not mix different types of batteries or old and new batteries. In order to avoid leakage, remove the batteries if you do not plan on using your device for extended periods of time. Please dispose of depleted batteries according to local laws and ordinances. Do not dispose improperly.



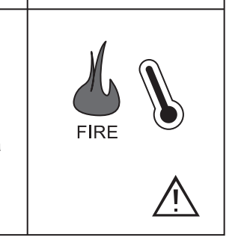
⊘ FORBIDDEN **SAFETY NOTE ON LITHIUM POLYMER BATTERIES**

Lithium Polymer (Li-Po) batteries can pose higher operational risks compared to other types of batteries if used incorrectly. The manufacturer assumes no liability for accidental damages caused by improper usage. In order to avoid potential fire and explosion, do not use any chargers other than the ones included with your unit. Do not crush, disassemble, burn, or reverse the polarity of the battery.
Do not allow the battery's contacts to to come into contact with metal or metallic objects. To avoid fire hazards, make sure that any chargers are supervised by an adult while charging. Keep chargers out of the reach of children. Stop using any batteries which get abnormally hot, or start to expand or become deformed. Please dispose depleted batteries according to local laws and ordinances.Do not dispose improperly.



⚠ CAUTION **KEEP AWAY FROM HEAT**

Your aircraft and its remote control are made from various forms or plastic. Plastics are very susceptible to damage or deformation caused by extremely hot or cold climates. Do not store your device near extreme sources of heat. When not in use, try to store your device in a cool, dry place.



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3. PACKAGE CONTENTS

QUADCOPTER DRONE

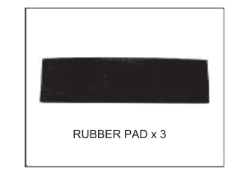
CONTROLLER

USB CHARGER

MOBILE PHONE HOLDER

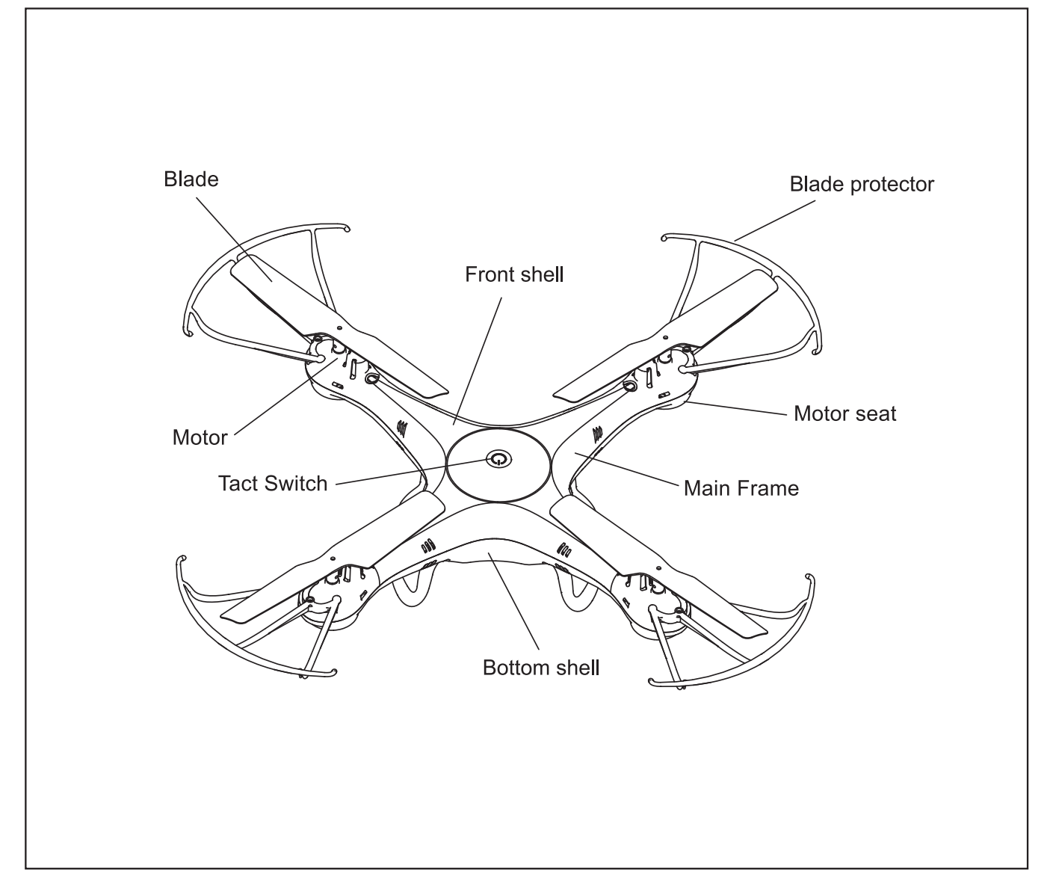
VR HEADSET

ACCESSORIES FOR VR HEADSET


RUBBER PAD x 3

CLEANING WIPE

4. A QUICK LOOK AT YOUR AIRCRAFT



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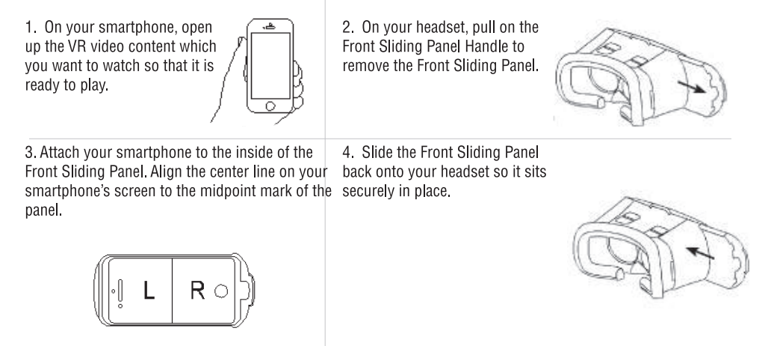
17. INSERTING YOUR SMARTPHONE INTO YOUR HEADSET

Once you've downloaded suitable video content onto your smartphone, you can insert your smartphone into your headset. To do so, follow the steps below.


1. On your smartphone, open up the VR video content which you want to watch so that it is ready to play.
2. On your headset, pull on the Front Sliding Panel Handle to remove the Front Sliding Panel.
3. Attach your smartphone to the inside of the Front Sliding Panel. Align the center line on your smartphone's screen to the midpoint mark of the panel.
4. Slide the Front Sliding Panel back onto your headset so it sits securely in place.

18. VIEWING VR CONTENT ON YOUR HEADSET

Once you've downloaded VR content onto your smartphone and inserted your smartphone into your headset, you can start watching exciting immersive video. To do so follow the steps below:

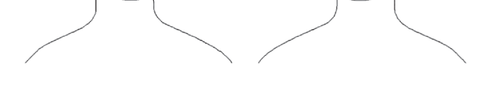
1. Use the adjustable head strap to secure your headset to your head. Make sure that it is tight enough so that it does not fall off, but not so tight that it is uncomfortable.

NOTE: It is not advised to use your headset while wearing glasses or other eye wear. Please take off your glasses before putting your headset on. If possible wear contact lenses instead.

2. Use the Right Eye Focus Adjustment and Left Eye Focus Adjustment so that you can see your video content as clearly as possible. Always make adjustments before you start watching your video content.

19. ENHANCING YOUR VIEWING ANGLES

While viewing video, you can tilt your head left and right to enhance your viewing angles by utilizing the motion sensor of your phone .



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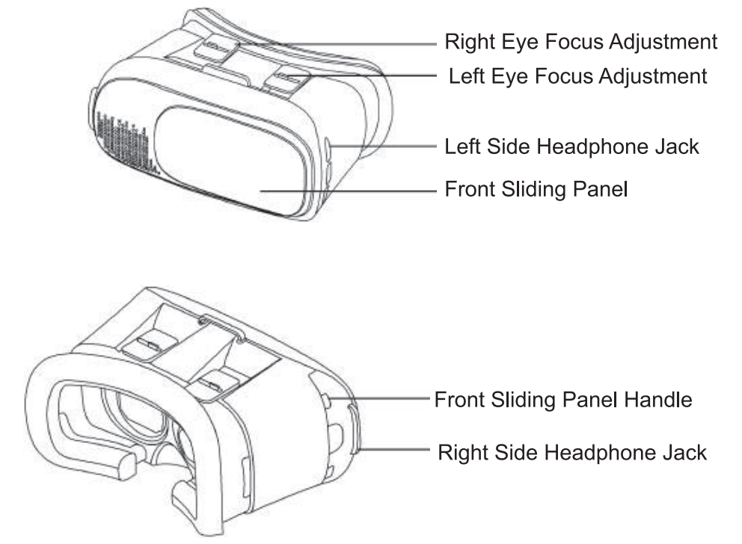
15. A QUICK LOOK AT YOUR VR HEADSET


Right Eye Focus Adjustment
Left Eye Focus Adjustment
Left Side Headphone Jack
Front Sliding Panel
Front Sliding Panel Handle
Right Side Headphone Jack

16. DOWNLOADING VR CONTENT ONTO YOUR SMARTPHONE

You can use your headset to play games or watch exciting video content. Before doing so, you need to download suitable content onto your smartphone. You can download VR content from either the Google Play store on Android phones or the App Store on Apple iPhones. A quick search for VR or Virtual Reality games, movies, or videos should yield a number of results. Below are a few examples of popular free VR applications.

GOOGLE CARDBOARD FLY ALONGSIDE ARCTIC TERNS, RELAX UNDER A SKY FULL OF STARS AND MORE.	**CEDAR POINT VR** RIDE THE NEW VALRAVN ROLLER COASTER AT CEDAR POINT	**VRSE** EXPERIENCE ENDLESS STORIES WITH EXPANDING UNIVERSE OF VIRTUAL REALITY VIDEOS
SOCCER VR GET YOUR HEAD IN THE GAME	**GERM BUSTER** KILL NASTY GERMS WITH ART BUBBLE GUN	**BELOOLA** CREATE A VIRTUAL ROOM AND HANG OUT WITH PASSIONATE PEOPLE LIKE YOU
WIZARD ACADEMY TEST YOUR SKILLS & KNOWLEDGE	**DINOTREK VR** LIVE DURING THE TIME OF THE DINOSAURS	**VRIDEO** PREMIER PLATFORM OF IMMERSIVE VIDEOS
DISCOVERY VR TRANSPORT YOURSELF TO PLACES YOU DIDN'T KNOW EXISTED	**JAUNT VR** EXPERIENCE THE WIDEST ARRAY OF PREMIUM CINEMATIC VR	**YOUVISIT VR** EXPERIENCE VR VIDEOS ABOUT ART, TRAVEL, EDUCATION, BUSINESS, REAL ESTATE AND MORE

Disclaimer: This list of apps is only meant to highlight some of the selections available in the Google Play or App Store. Sakar International is not the developer of any of these apps and does not vouch for the content or performance of these apps. Some of these apps may have in store purchases. For any app issues please contact the app development team directly.

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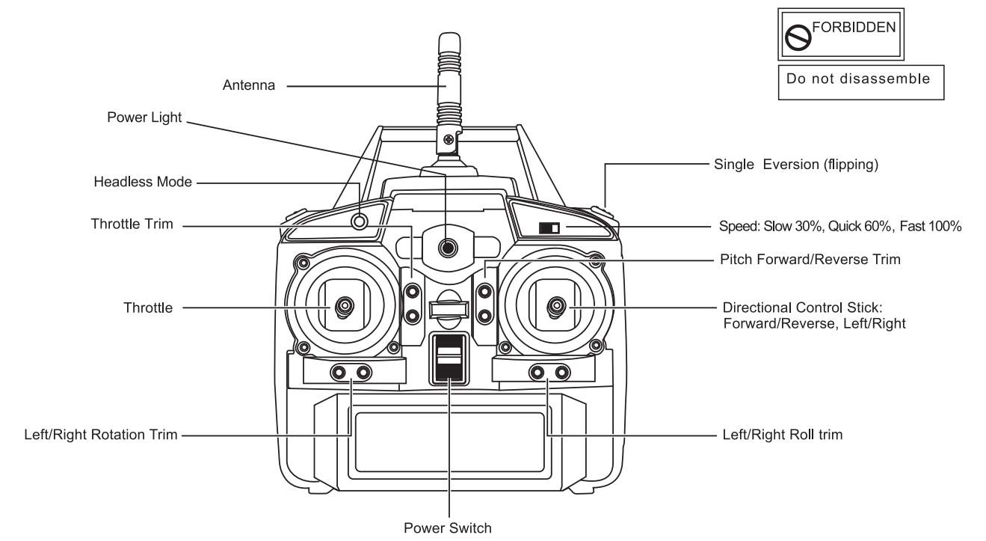
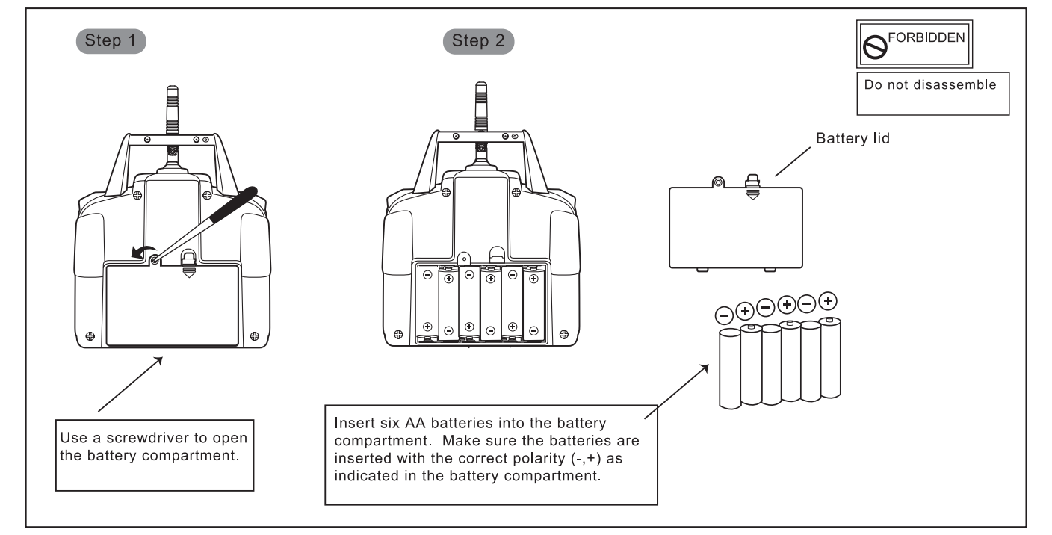
5. A QUICK LOOK AT THE CONTROLLER

⊘ FORBIDDEN
Do not disassemble


Antenna
Power Light
Headless Mode
Throttle Trim
Throttle
Left/Right Rotation Trim
Single Eversion (flipping)
Speed: Slow 30%, Quick 60%, Fast 100%
Pitch Forward/Reverse Trim
Directional Control Stick: Forward/Reverse, Left/Right
Left/Right Roll trim
Power Switch

6. INSERTING BATTERIES



⊘ FORBIDDEN
Do not disassemble

Use a screwdriver to open the battery compartment.

Insert six AA batteries into the battery compartment. Make sure the batteries are inserted with the correct polarity (-,+) as indicated in the battery compartment.

Correct Disposal of this Product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal,recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased to see if they can take this product for environmentally safe recycling.

⚠ WARNING CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

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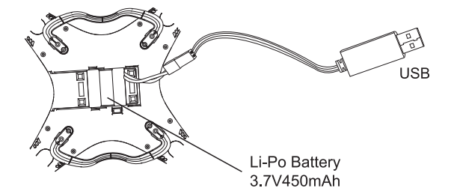
7. CHARGING

Use the included USB charger to charge the aircraft's battery

Charging Instructions

1. When charging, first make sure that your aircraft is powered off.
2. Disconnect the power cable located underneath your aircraft.
3. Plug the power cable into one end of the included charging cable.
4. Plug the other end of the charging cable into a computer's USB port or suitable AC adapter.
5. If the battery is warm after extended use of your aircraft, wait until it cools before charging.



⚠ CAUTION ⚠ WARNING

For safety, battery charging must be done under adult supervision at all times.

LED Indicator LED

Red light on	Red light off
Charge Complete	Charging

Charger Specifications

Input	Charging Current	Full Voltage
5V	500MAh	4.25 ± 0.03V

8. BATTERY AND CHARGER SPECIFICATIONS

Battery usage and charge duration reference

Battery type	Battery Specification	Usage Duration	Charge Time
Li-polymer battery	3.7V, 450mAh	Aircraft flight time 5-7 minutes	About 50-70 minutes

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14. USING YOUR VR HEADSET: SAFETY PRECAUTIONS

When using your headset, basic health and safety precautions should always be followed, including the following:

1. READ ALL INSTRUCTIONS BEFORE USING YOUR VIRTUAL REALITY HEADSET.

2. Your headset is not to be used by children under the age of 14 years old. For children older than 14 or the infirm your headset should only be used with adult supervision.

3. If you suffer from irregular vision, or are prone to headaches or earaches, consult a doctor before using your headset.

4. If you have any history with epilepsy, seizures or have experienced symptoms linked to an epileptic condition, consult your doctor before using your headset. Please note that approximately 1 in 4000 people may experience seizures triggered by flashing lights or patterns seen while watching video content even if they have had no prior history of epilepsy or seizures.

5. Avoid using your headset if you are under the influence of drugs or alcohol, suffering from illness, or under intense emotional distress.

6. If you frequently suffer from motion sickness take extra precaution when using your headset, and take frequent breaks.

⚠ CAUTION **DO NOT USE FOR EXTENDED PERIODS OF TIME**
If this is your first time using a virtual reality headset, only use your headset for a short period of time (3-4 minutes maximum) so that you can get accustomed to the virtual reality experience. As you become more experienced, you can use your headset for longer periods of time. It is recommended to take frequent breaks when using your headset. All users, no matter how experienced shout take a break after using their headset for thirty minutes. In addition, take an immediate break if you are feeling and discomfort or strain.

⚠ CAUTION **DISCONTINUE USE IF YOU EXPERIENCE DISCOMFORT**
If you experience seizures, dizziness, eye strain, disorientation, or any general illness or discomfort while using your headset, stop using it immediately. Do not drive a car, use heavy machinery or participate in any activities that require balance or dexterity until you have recovered. Contact a doctor if these symptoms persist.

⚠ CAUTION **ONLY USE IN A SAFE, STABLE ENVIRONMENT**
Only use your virtual reality headset in an environment where you are secure. Never use your headset near windows, stairs or steep heights. Never use your headset in a moving vehicle or in an environment where there are moving people or objects which can put you in danger if you are not properly focused on your surroundings.

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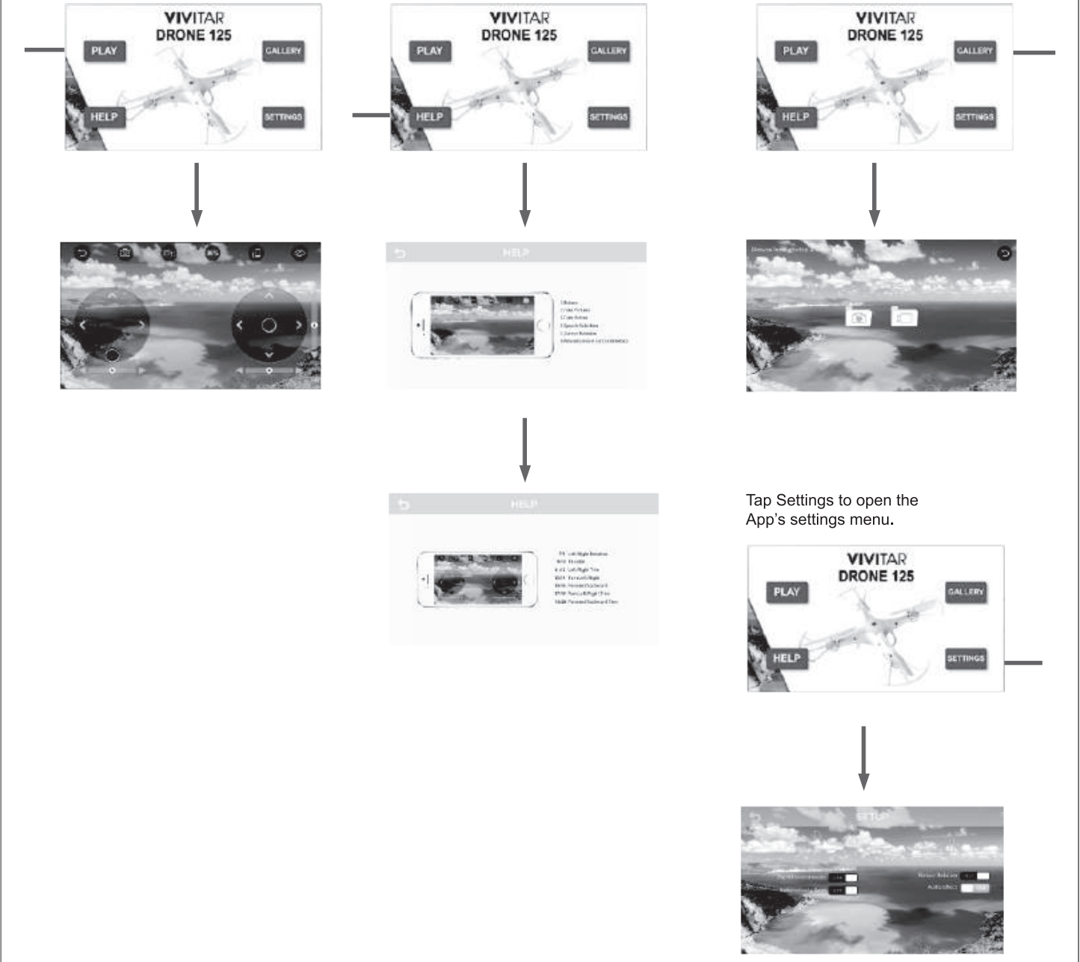
5. Menu Screen Options


Tap Play to access the contol interface

Tap Help for further instruction on using the App

Tap Gallery to access captured videos.

Tap Settings to open the App's settings menu.

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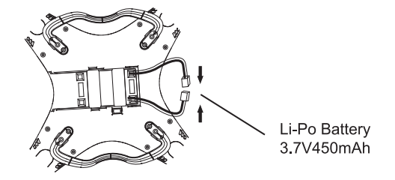
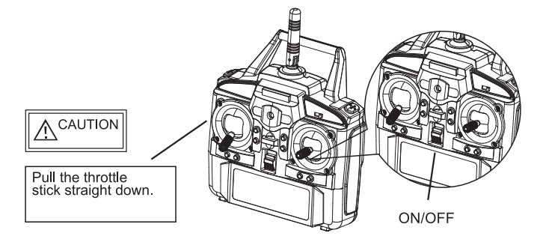
9. SYNCHRONIZING THE AIRCRAFT WITH THE REMOTE



Step 1

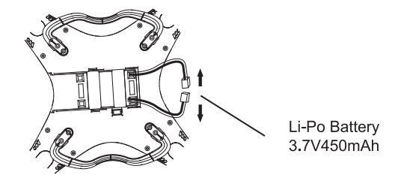
Connect the battery plug on the underside of your aircraft with the circuit board plug. Slide the power switch on and place the aircraft on a flat surface so that it lies still. The LED lights will begin flashing rapidly.



⚠ CAUTION
Pull the throttle stick straight down.

Step 2

Pull the throttle stick straight down, and turn the remote control's power on. Typically, you will hear two beeps to indicate that the remote is in synch with your drone.

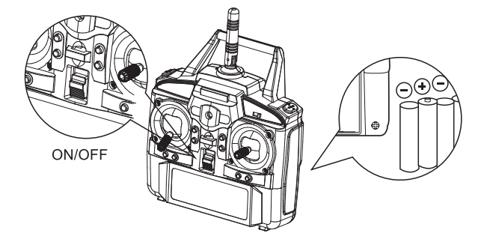


Step 3

When you are finished flying your aircraft, unplug power cord.

⚠ WARNING

Warning: If the power cord is not pulled out, there may be excessive discharge, increasing the risk of fire.



Step 4

Power down the remote control. If the transmitter will not be used for an extended period of time, please remove the batteries.

IMPORTANT NOTE: For best results always synchronize your remote control with your aircraft BEFORE using your aircraft with your smartphone. If you use your aircraft with your smartphone first, your aircraft may have difficulties recognizing your remote control. If this occurs, power cycle both your aircraft and the remote control, and then repeat the synchronization steps listed above.

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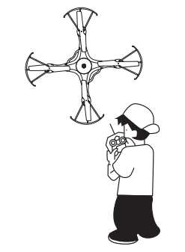
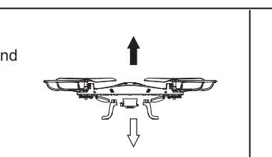
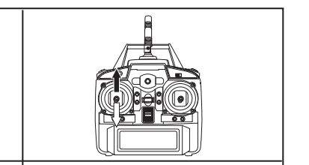
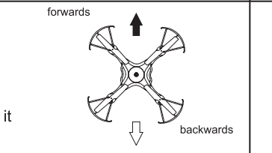
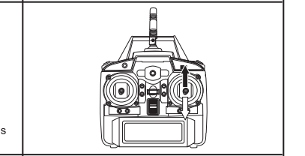
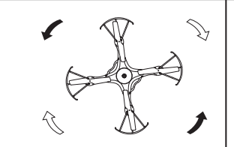
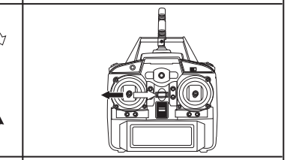
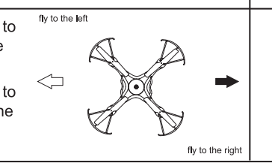
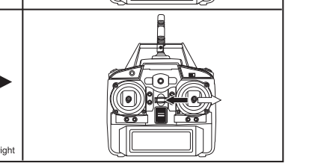
10. FLIGHT ADJUSTMENTS AND SETTINGS



PRE-FLIGHT PREPARATION

If you have never used your aircraft before, and you are not an experienced pilot, read this instruction manual first before flying. Get familiar with all of the controls. If necessary, read through the instructions numerous times, and practice handling the remote control until you feel completely comfortable and ready.

1.Place the aircraft in a clear, open field with the rear of the aircraft pointed in your direction.
2.Practice using the throttle stick and the directional control stick (see below).
3. By simulating using the remote and both sticks, you will grow more comfortable with the natural motions required during flight and you will learn to react more rapidly to unexpected circumstances.

Ascend & Descend	Push the throttle stick upwards and the aircraft will ascend. Pull the throttle stick downwards and the aircraft will descend.		
Forward & Backward	Push the directional control stick upwards and the aircraft will tilt downwards, causing it to move forward. Push the directional control stick downwards and the aircraft will tilt upwards, causing it to move backwards.	 forwards backwards	
Turn	Slide the throttle stick to the left to turn the nose of the aircraft to turn to the left. Slide the throttle stick to the right and the nose of the aircraft will turn to the right.		
Slide Left & Slide Right	Slide the directional control stick to the left and the entire body of the aircraft will slide to the left. Slide the directional control stick to the right and the entire body of the aircraft will slide to the right.	 fly to the left fly to the right	

HEADLESS MODE

Headless mode ensures that the aircraft will always follow controls from your perspective all the time, regardless of which way the aircraft is facing. Press the headless mode button on your remote to go into headless mode. Press it again to exit headless mode.

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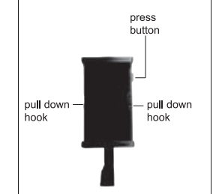
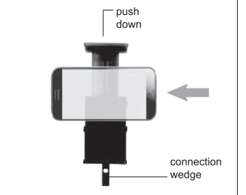
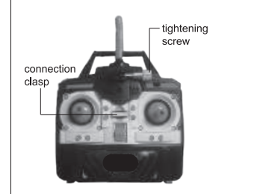
13. WIFI/APP USAGE

1. Use the Included Mobile Phone Holder to Connect Your Phone to the Remote Control

 press button pull down hook pull down hook	 push down connection wedge	 tightening screw connection clasp	
Press the button on the side of your phone holder, and pull down the hooks so that you can slide your phone in the phone holder.	Slide your phone into the phone holder so that it rests securely on the hooks. Push down on the top of your phone holder to hold your phone in place.	Connect the phone holder to the remote control. Make sure that the connection wedge on the phone holder slides under the connection clasp on your remote control. Use the tightening screw to hold the phone holder in place.	

2. Download the Vivitar Drone 125 app.

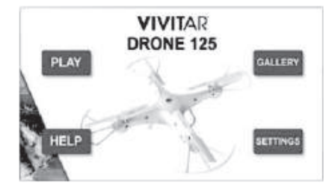
Go to the App Store or Google Play store and search for the Vivitar Drone 125 app. Follow the installation instructions to proceed to download the app.

APP Store

GooglePlay

3. Using Wifi to Connect the Aircraft to Your Phone

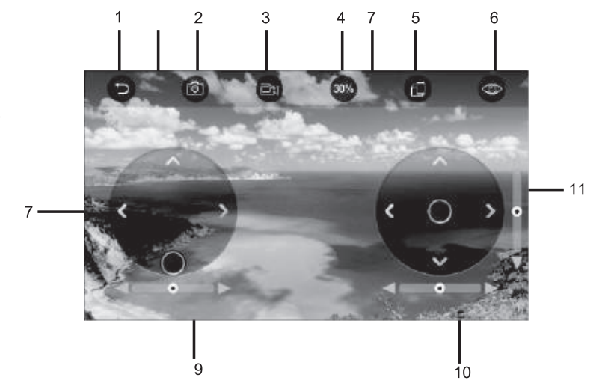
-Power on your aircraft. LED lights will illuminate to indicate that it is powered on.
-On your mobile phone find the Wifi Settings menu. Select the network labeled WIFIUFO-xxxxxx in order to sync your aircraft with your phone.
-Open the VIVITAR-Drone 125 application on your phone. Press the "play" option on the menu screen in order to open the control interface.



Menu Screen

4. Control Interface Functions

1. Return to the Menu Screen
2. Take a Picture
3. Record Video
4. Skill Level Selection (speed): (30%/60%/100%)
5. Rotate Screen
6. Show/Hide Control Interface
7. Throttle
8. Directional Control Stick
9. Left/Right Trim
10. Turn Left/Right Trim
11. Forward/Back Trim



Control Interface

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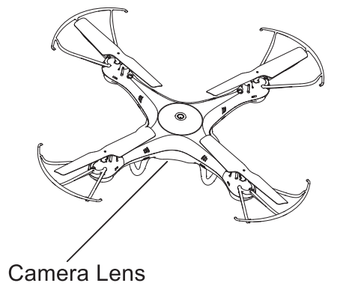
12. USING THE ON BOARD VIDEO CAMERA

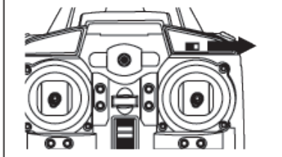
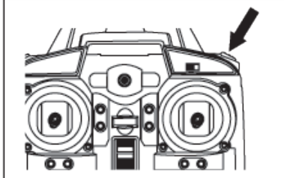
1. Attached to your aircraft is a camera which allows you to shoot videos of your flights. Note that in order to use the camera, you will have to synch your aircraft to your smartphone via wifi connection. For more information on getting your aircraft synched with your smart phone, see the section of this manual regarding Wifi and App usage. Videos taken by your aircraft are stored on your phone.

NOTES:
-Before using, please adjust the camera so that the lens either faces downwards, or is horizontal to the ground.

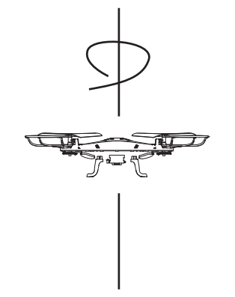
-Photos and videos taken by your aircraft's on board video camera are stored in your phone's internal memory.

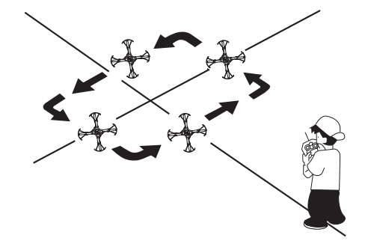


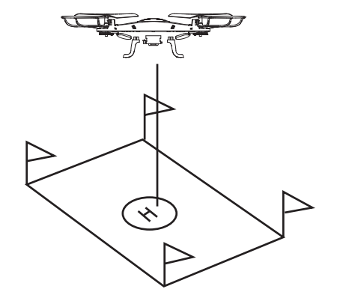
WARNING:
Make sure that your aircraft's battery is fully charged before you start recording video content. If your aircraft's battery runs out of power while you are recording video, the entire video file that was being recorded will be lost. To ensure that you do not lose any video content in the event that your aircraft's battery runs out of power, try making shorter but more numerous recordings instead of long individual recordings.

Speed	Slide the speed switch on the upper right hand corner of your remote control to the left to decrease the speed of your aircraft, or to the right to increase the speed of your aircraft.	
Flipping	Press the button on the top right hand corner of your remote control while flying in order to test out more advanced maneuvers such as flipping.	

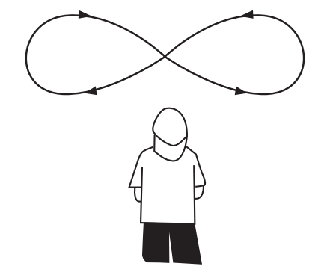
FLYING PRACTICE


Fixed-point revolving


Fly forward-turn left-forward-turn left-forward-turn left.
Practice over and over again, then you might like to try flying in a circle.



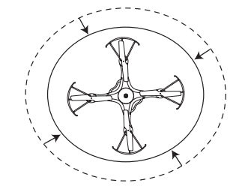
Land in the designated location(spot landing)


Fly in a shape like the number 8.

IMPROVING AS A PILOT

After you become familiar and comfortable with the practice activities from the previous page, you can work on improving your skills as a pilot. Try drawing a circle on the ground, practice flying within the circle to increase your accuracy.

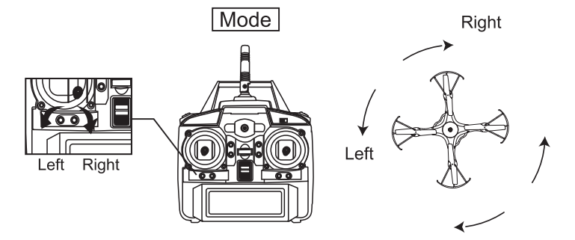
You can reduce the size of the circle as you become more skilled and need a greater challenge.


Narrow the circle

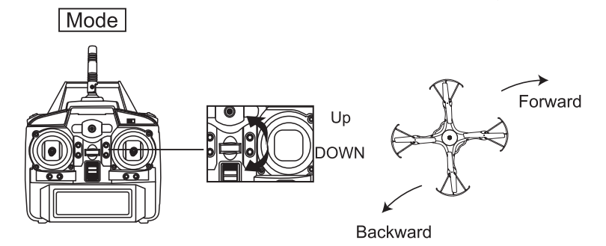
ADJUSTING THE TRIM

Slowly raise the throttle stick and just as the aircraft lifts off the ground, you can use the trim to make minor adjustments in the direction the aircraft is tilted.

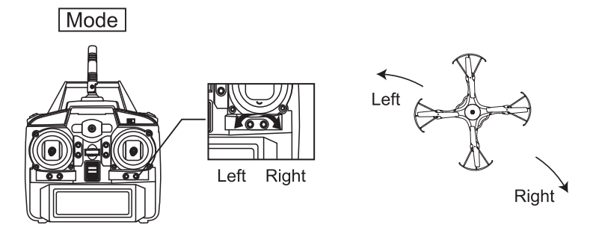
1.Rotation and Trim
Just before the aircraft lifts off, the nose may lean left or right.
Adjust the trim accordingly to compensate so that the aircraft straightens out.



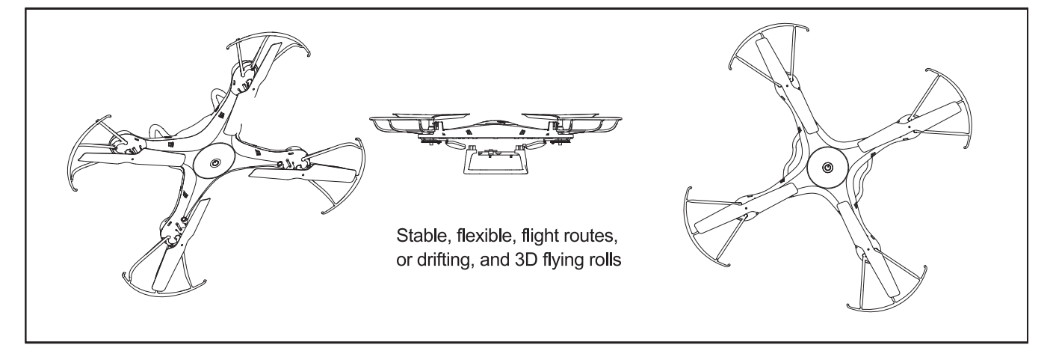
2.Adjustment of Elevation and Trim
Just before the aircraft lifts off, the nose may lean forward or backwards.
When leaning forward, adjust the trim down.
When leaning backwards, adjust the trim up.



3.Adjustment of Left and Right Sliding and Trim
Just before the aircraft lifts off, the body may lean left or right.
When leaning right, adjust the trim to left side.
When leaning left, adjust the trim to right side.



3D FLIP FLYING


Stable, flexible, flight routes, or drifting, and 3D flying rolls

Ensure that the speed is set to 100%. While flying, press the Left/Right Roll Trim buttons. Hold down the forward/backwards/left/right buttons for the aircraft to roll continuously.

11. RULE OUT TROUBLE DURING FLIGHT

	Situation	Cause	Suggested Solution
1	The receiver light keeps flashing	Unable to sync to transmitter.	Repeat the power up initializing process.
2	The aircraft is not responsive	1.Power on the transmitter and receiver 2.Check transmitter and receiver voltage. 3.Check contact on battery terminals.	1.Turn on transmitter and ensure battery is inserted properly. 2.Use fully charged batteries. 3.Re-seat the battery and ensure good contact between battery contacts.
3	Motor does not respond to throttle stick, receiver LED flashes.	Battery needs to be charged or replaced.	Fully charge the battery,or replace with a fully charged battery.
4	Main rotor spins but is unable to takeoff.	1.Deformed main blades. 2.Flight vehicle battery depleted 3.Undetected horizontal point.	1.Replace main blades 2.Charge or replace with fully charged battery. 3.Place on flat ground,reboot
5	Strong vibration of aircraft	1.Deformed main blades	1.Replace main blades
6	Tail still off trim after tab adjustment, or inconsistent speed during left/right pirouette.	1.Damaged tail rotors 2.Damaged tail drive motor 3.Undetected horizontal point	1.Replace main blades 2.Replace the main motor 3.Place on flat ground,reboot
7	Aircraft wanders forward after trim adjustment when hovering.	1.Gyroscope midpoint not calibrated	1.Reboot