VIVITAR EYE IN THE SKY

LIVE STREAMING

WIFI QUADCOPTER DRONE & VR HEADSET

VIVITAR

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Hours: ⏰ Pacific Standard Time, Monday - Friday

1. FOREWORD

Thank you for purchasing the Vivitar WiFi Quadcopter Drone and VR Headset, item DRC-125. This 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 LEVEL DEFINITIONS

⚠ CAUTION	Moderately caused by failure to follow these instructions may result in damage or injury.
⚠ CAUTION	Moderately caused by failure to follow these instructions may result in danger.
NOTE	Do not attempt under any circumstances.

IMPORTANT NOTE 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 disassembled, 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:

This warranty does not include or cover 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 improper use.

To Obtain Warranty Service and Troubleshooting Information:

Call 1-800-552-8484 or fax U.S. or 818-547-0651 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, must be provided to obtain warranty service. Authorization must be obtained, the product properly packaged and sent any defective products along with a dated copy of proof of purchase, a written description of the problem, and a return address. Vivitar assumes no risk for damage in transit. We 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 unopened.

NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXTEND TO ANY PERSON OTHER THAN THE CONSUMER PURCHASER. ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL CONSUMER PURCHASE. ALL REPAIRS, REPLACEMENTS OR REFUNDS UNDER THIS WARRANTY SHALL BE THE EXCLUSIVE REMEDIES OF THE CONSUMER. IN NO EVENT WILL DISTRIBUTOR, ITS MANUFACTURERS, OR ANY OTHER PARTY BE LIABLE TO THE CONSUMER FOR ANY CONSEQUENTIAL OR INCIDENTAL 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, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, OR EVEN AFTER STATING THE FOREGOING, CONSUMER'S RECOVERY AGAINST DISTRIBUTOR SHALL NOT EXCEED THE SUM PAID FOR THE PRODUCT. THE FOREGOING TREATMENT OF WARRANTIES 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 limitations on how long an implied warranty lasts, so the above exclusions may not apply in you. This warranty gives you specific legal rights, and you may have other rights that vary from country to country, state to state, or province to province. There is no other express or implied warranty or warranty applies. This product is manufactured, distributed and sold by SAKAR International, Inc. All trademarks and trade names 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.

FCC Radio Frequency Exposure Statement

The device has been evaluated to meet general RF exposure requirements. The device can be used in fixed/mobile exposure conditions. The min separation distance is 20cm.

This device is acting as slave and operating in the 2.4 GHz (2412 ~2462 MHz) band.

KEEP AWAY FROM OBSTACLES, HEAT AND ELECTRICAL WIRES

This product is most suitable for outdoor use. Avoid using in 10 mph or higher winds. Please do not use this product near electrical wires such as those in buildings. Keep away from crowds of people and pets. Don't use in locations that are unsafe, such as near sources of heat or electricity.

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.

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.

SAFETY NOTE FOR NiMH BATTERIES

Make sure batteries are inserted with the correct polarity as indicated in the battery compartment. Do 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.

SAFETY NOTE ON LITHIUM POLYMER BATTERIES

Lithium Polymer (Li-Po) batteries are used higher concentrated energy compared to other types of batteries of used incorrectly. The manufacturer assumes no liability for accidental damages caused by improper use of Li-Po batteries. Please read the following safety precautions before using Li-Po batteries. Do not overcharge your cells. Do not crush, puncture, short circuit, 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 or explosion, do not place in water or fire. Do not use or leave your battery in a hot place such as near or in the vicinity of a heater. Stop using any battery 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.

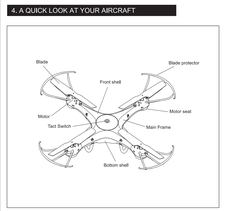
KEEP AWAY FROM HEAT

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.

3. PACKAGE CONTENTS

ACCESSORIES FOR VR HEADSET

4. A QUICK LOOK AT YOUR AIRCRAFT



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.

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 video content. Follow the steps below.

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

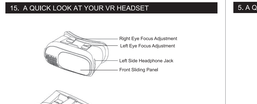
NOTE: It is not advised to use your headset while wearing glasses or other eye wear. Please take off your glasses before putting your headset on. If possible wear contact lenses instead.

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

15. A QUICK LOOK AT YOUR VR HEADSET



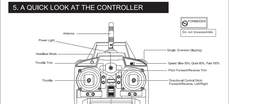
16. DOWNLOADING VR CONTENT ONTO YOUR SMARTPHONE

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.

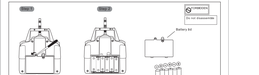
GOOGLE CARDBOARD: FREE ANDROID APP THAT ALLOWS ANDROID TO RUN CARDBOARD VR APPS	CLEAR POINT VR: FREE VR EXPERIENCE THAT ALLOWS YOU TO EXPLORE POINT CLEAR, FLORIDA	VRSE: EXPERIENCE CREATED WITH CINEMATIC VIRTUAL REALITY (VRSE)
DOCTOR VR: FREE VR APP FOR USE IN THE CLINIC	GERM BUSTER: BELOW LAB: FREE VR GAME WITH ART SCIENCE GAMES	BELOW LAB: FREE VR GAME WITH ART SCIENCE GAMES WHERE YOU ARE PARTICIPANTS PEOPLE LIKE YOU
WIZARD ACADEMY: BEST FREE VR EXPERIENCE FOR LOVERS OF THE WIZARD OF OZ	DINOTREK VR: FREE VR EXPERIENCE OFFERS TIME TRAVEL TO THE DINOSAUR ERA	VRMODE: FREE VR EXPERIENCE OF IMMERSIVE VIDEOS
DISCOVERY VR: "DISCOVERY FAMILY" IS PLAYED EXPERIENCE THE WEIGHT WITH OF YOU, BEST KNOW OBESITY	JAUNT VR: PROVIDES ZEN MODE VR	YOUNIQUE VR: EXPERIENCE VR VIDEOS ABOUT ART, TRAVEL, DISCOVERY, BUSINESS, WELL-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 functionality of any of these apps. Some of these apps may have in store purchases. For any app issues please contact the app development team directly.

5. A QUICK LOOK AT THE CONTROLLER



6. INSERTING BATTERIES



7. CHARGING

Using the Included USB Charger to Charge the Drone's Battery

Charging Instructions

1. When charging, first make sure that your aircraft is powered off.
2. Remove the drone's rotor blades (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.

Light Indicator Guide

Red light on	Red light off	
Charge Complete	Charging	

Charger Specifications

Input	Charging Current	Full Voltage
5 V	500MAh	4.25 ± 0.5V

8. BATTERY AND CHARGER SPECIFICATIONS

Battery Specifications and Charger Specifications

Battery type	Battery Specification	Usage Duration	Charge Time
Li-ion/Polymer battery	3.7V, 450mAh	Aircraft flight time: 5-7 minutes	About: 55-70 minutes

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 known as or 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 feel the aforementioned symptoms or any other adverse reaction while using your headset, and take frequent breaks.

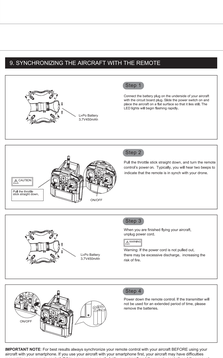
⚠ CAUTION **DO NOT USE FOR EXTENDED PERIODS OF TIME**
Do not use your headset for extended periods of time. We recommend that you take a short period of time (5 minutes maximum) so that you can get accustomed to the virtual reality experience. As you become more experienced, you can use your headset for longer periods of time. It is recommended to take frequent breaks to prevent eyestrain, dry eyes, or fatigue. If you experience any of these symptoms, cease from using your headset for thirty minutes. In addition, take an immediate break if you are feeling anxiousness or stress.

⚠ CAUTION **DISCONTINUE USE IF YOU EXPERIENCE DISCOMFORT**
If you experience seizures, dizziness, eye strain, disorientation, or any other physical 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 virtually headset in an environment where you are secure. Never use your headset while walking, driving, or in any other situation that could cause injury or accident. Be aware of an environment which there are moving people or objects which can put you in danger if you are not properly focused on your surroundings.

5. Menu Screen Options

9. SYNCHRONIZING THE AIRCRAFT WITH THE REMOTE



IMPORTANT NOTE: For best results always synchronize your remote control with your aircraft BEFORE using your device for the first time. Your aircraft and remote control are synched at the factory, but may lose synch when recognizing your remote control. If this occurs, power cycle both your aircraft and the remote control, and then repeat the synchronization steps listed above.

10. FLIGHT ADJUSTMENTS AND SETTINGS

Practice Controls

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 on a clean, 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.Practice the movements listed below. Once you feel comfortable with the manual motions required during flight and you will learn to react more rapidly to unexpected circumstances.

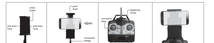
Ascend & Descend	Push the throttle stick upwards and your aircraft will ascend.	Push the throttle stick downwards and the aircraft will descend.
Forward & Backward	Push the directional control stick upwards and the aircraft will fly downwards, causing it to move forward. Push the directional control stick downwards and the aircraft will fly upwards, causing it to move backwards.	FORWARD / BACKWARD
Turn	Slide the throttle stick to the left to rotate the aircraft slowly to the left. To do this, slide the throttle stick to the right and the nose of the aircraft will turn to the right.	LEFT / RIGHT
Slide Left & Slide Right	Slide the directional control stick to the left and the nose of the aircraft will slide to the left. Slide the directional control stick to the right and the nose of the aircraft will slide to the right.	LEFT / 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.

13. WIFIAPP USAGE

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



Press the button on the top of your phone holder to open the phone holder's jaws.

Slide your phone into the holder so that it is in close secure fit. Make sure that the camera lens is in the middle of the hole. If your phone's holder is not the same size as the remote's, use the included cleaning cloth to place your phone's holder in place.

Connect the phone holder to the remote control. Make sure the phone's holder is in place and secure. Make sure the camera lens is in the middle of the hole. If your phone's holder is not the same size as the remote's, use the included cleaning cloth to place your phone's holder in place.

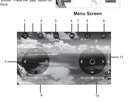
2. Download the Vivitar Drone 125 app.

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

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.
-Go to your phone's Wi-Fi settings and connect to the aircraft's network (WiFiFPV).
-Open the VIVITAR Drone 125 application on your phone. Press the "play" option on the menu screen in order to open the control interface.

4. Control Interface Functions



12. USING THE ON BOARD VIDEO CAMERA

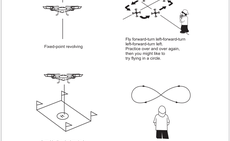
1. Attached to your aircraft is a camera which allows you to record photos and video. In order to make use of the camera, you will have to synch your aircraft to your phone using the app. Once the app is installed and you are getting your aircraft synched with your smart phone, see the app's instructions for more details. Once the app is installed, videos taken by your aircraft are stored on your phone.

NOTES:
-Before using, please adjust the camera so that the lens is in the middle of the hole in your phone's holder.
-Photos and videos taken by your aircraft's on board video camera are stored in your phone's internal memory.

WARNING:
-Be aware 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 your aircraft's battery does not run out of power while you are recording video, make sure that your aircraft's battery runs out of power, by making shorter but more numerous recordings instead of long individual recordings.

Speed	Slide the speed switch on the sister remote control to the right to control a 30% or 60% increase the speed of your aircraft or to the left to reduce the speed of your aircraft.
Flipping	Press the button on the top right side corner of your remote control to perform a single or continuous advanced maneuvers such as flipping.

FLYING PRACTICE



IMPROVING AT A PILOT

After you become familiar and comfortable with the practice activities from the previous section, you can start practicing flying your aircraft. 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.

ADJUSTING THE TRIM

Slowly raise the throttle stick and just as the aircraft lifts off the ground, 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 point 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 point forward or backward.
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 left, adjust the trim to left side.
When leaning left, adjust the trim to right side.

3D FLIP FLYING

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 inflight control (control in centre) or battery levels.	1.Turn on transmitter and ensure receiver is powered on 2.Ensure fully charged batteries. 3.Reseat 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.	1.Fully charge the battery or replace with a fully charged battery.
4. Main rotor spins but is unable to takeoff.	1.Obstructed main blades 2.Battery needs to be charged or replaced 3.Underdrive/overdrive pinion.	1.Replace main blades 2.Replace or replace with fully charged battery 3.Return to the ground/reset
5. Strong vibration of aircraft	1.Deformed main blades	1.Replace main blades
Tail roll off on after takeoff. 6.Tail rotor spins but is unable to takeoff.	1.Damaged tail rotors. 2.Damaged tail drive motor 3.Underdrive/overdrive pinion.	1.Replace tail rotor blades 2.Replace the main motor 3.Return to the ground/reset
Aircraft spontaneously flips or flips without when hovering.	1.Gyroscope misjudgment 2.Gyroscope not calibrated	1.Reboot