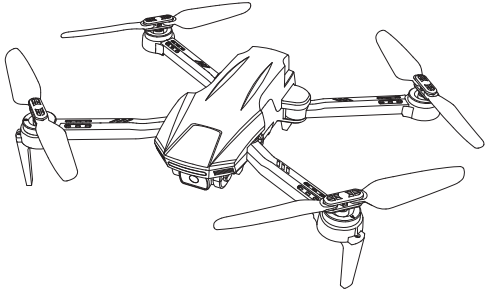
DEERC

14+ age

Instructions For Use
取扱説明書
Gebrauchsanweisung

V 2.0



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日本語 33-59

Deutsch 60-88

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1.0 DISCLAIMER & WARNING

1. Please read this Disclaimer & Warning and Safety Guidelines carefully before using our product. This product is not recommended for people under the age of 14. You now agree to this disclaimer and signify that you have read it thoroughly by using this product. You agree that you are responsible for your conduct, any damage caused while using this product, and any consequence. You agree to only use this product for its designed purposes and under the local laws, regulations, and applicable policies and guidelines that DEERC may provide.

2. When using this product, please strictly abide by the specification requirements and safety guidelines stated in this document. Any personal injury, property damage, legal disputes, and other adverse events caused by violating any safety instructions or due to any other factor WILL NOT be DEERC's responsibility.

2.0 SAFETY GUIDELINES

2.1 Check Before Use

① This product is a high-precision drone that integrates various electronic stability and control mechanisms. Please be sure to configure this drone carefully and correctly to ensure safe, accident-free operation.

② Ensure that the batteries of the drone and transmitter are clean, undamaged, and fully charged before every use.

③ Ensure that all the propellers are intact and are installed in the correct orientation.

④ Please perform a thorough check of the product before each use. Inspect the integrity of the parts, any signs of cracks and wear off on the propellers, battery power and effectiveness of the indicator, etc. If there is any problem found after checking the drone, please refrain from using it until the problem is resolved.

2.2 Flight Environment



Fly in Open Areas + **Keep in Sight** + **Fly Below 197feet (60m)**



Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airports, or bodies of water.
DO NOT fly near strong electromagnetic sources such as power lines and base stations, affecting the onboard compass.



DO NOT use this drone in adverse weather conditions like rain, snow, fog, and wind.

2.3 Operation Requirements

① DO NOT use this product to follow any moving vehicles.

② During the flight, turn off the motors only in an emergency.

③ When the battery runs low, return the drone to your starting point.

④ DO NOT use this product if you feel tired, take medicine or feel unwell and drink alcohol.

⑤ Be aware of the volume of noise that the drone produces. Please ensure to keep your distance to avoid ear damage.



⑥ **Stay away from the rotating propellers and motors.**



⑦ **DO NOT fly in any spaces where drones are prohibited. Please respect people's right to privacy by not flying your drone close to others.**

2.4 Use of Battery

① Please ensure batteries are fitted in the correct orientation as shown in the instruction manual.

② Avoid short circuits by fitting the batteries correctly and do not crush or squeeze the batteries as this could cause the risk of a fire or explosion.

③ DO NOT mix new and old batteries as this can lead to poor performance of the product.

④ Please dispose of used batteries carefully, do not litter, and recycle where ever possible.

⑤ DO NOT expose dead batteries to heat or fire, or they may explode.

⑥ If the device is not going to be used for an extended period of time, please remove batteries to prevent potential damage to the drone from battery leakage.

⑦ Only use the USB charging cable that comes with the drone to charge the battery.

⑧ DO NOT connect the battery directly to wall outlets or car cigarette -lighter sockets as this will damage your battery since they have different voltages.

⑨ DO NOT attempt to disassemble or modify the battery in any way

⑩ DO NOT use the battery if it gives off an odor, generates heat, becomes discolored, deformed, or appears abnormal in any way. If any of these situations occur while the battery is in use or being charged, remove it from the device or charger immediately and discontinue use.

⑪ DO NOT pierce the battery casing with a nail or any other sharp object. Break it open with a hammer, or step on it! Dispose or recycle this battery as it may cause personal injury or damage to your drone.

⑫ Always charge the batteries on a fireproof surface and away from combustible materials. DO NOT charge on surfaces that can catch fire, which includes: wood, cloth, carpet.

⑬ DO NOT immerse the battery in water or get it wet.

⑭ DO NOT solder battery terminal in any way.

⑮ Keep batteries out of reach of children or pets.

⑯ DO NOT short-circuit the battery by connecting wires or any other metal object to the positive(+) and negative(-) terminals.



Li-Po Battery Disposal & Recycling

Waste Lithium-polymer batteries must not be placed with household trash. Please contact local environmental or waste agency or the waste agency or the supplier of your model or your nearest Li-Po battery recycling center.



3.0 MAINTENANCE

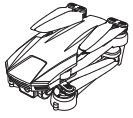
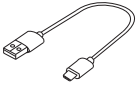
① Clean the drone after each use with a clean, soft cloth.

② Avoid prolonged exposure to direct sunlight and avoid heat buildup on the drone or batteries.

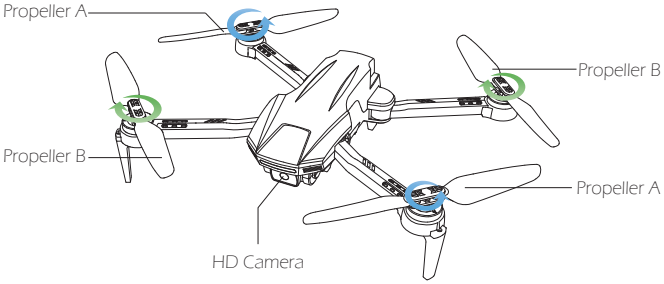
③ This device is not waterproof and must not be submerged or subjected to water under any circumstance. Failure to keep the device completely dry will result in failure and permanent damage to the unit. Be aware that although it might be dry where you are, droplets of rain or mist from a river or waterfall could damage your drone where it is flying.

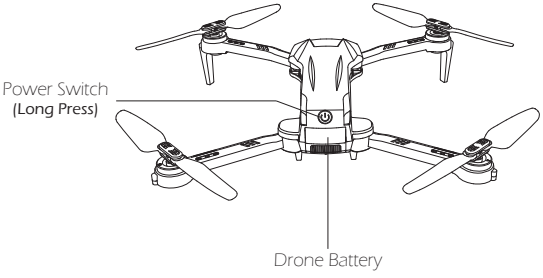
④ Frequently check the charging plug and other accessories for signs of damage. If any part of the device or cables is damaged, avoid use or charging until the damaged parts are replaced.

4.0 PACKAGE CONTENTS

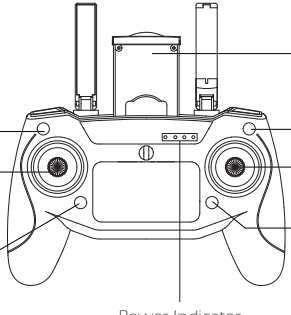
		
Drone	Transmitter	Drone Battery
		
USB Charging Cable	Spare Propellers	Screwdriver
		
Instructions For Use		

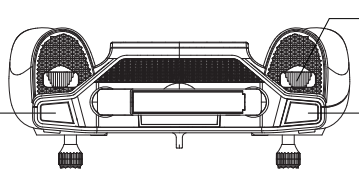
5.0 DRONE DETAILS





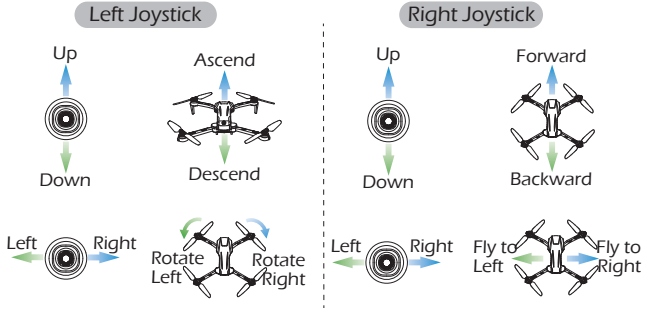
6.0 TRANSMITTER DETAILS





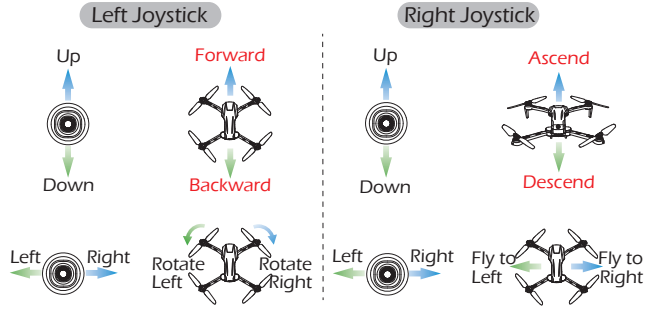
7.0 JOYSTICK MODE

7.1 MODE 2 (Left hand throttle MODE 2 will be the default setting.)



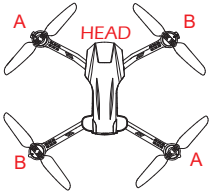
7.2 MODE 1

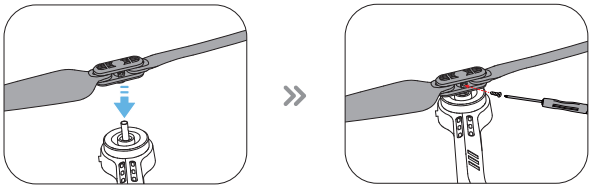
To enter Mode 1, long press the Speed Switch button while turning on the transmitter. (Please do not release the Speed Switch button until the transmitter is powered on.)



8.0 INSTALLATION

8.1 Propellers





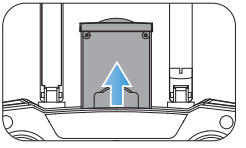
Pic. 1 Pic. 2

The propeller and the motor shaft marked with the same letter should be connected together (both are marked with the letter either A or B). Then lock the propeller to the motor shaft with a screw.

- Install the propellers carefully to prevent accidental scratches.
- Please check that the propellers are properly installed and tightened before each flight.

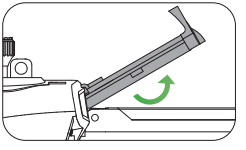
8.2 Phone Holder

1. Pull out the phone holder upwards completely (Pic. 3).



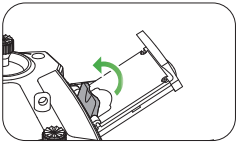
Pic. 3

2. Tilt the holder 30 degrees towards you, and then you will hear a click sound (Pic. 4).



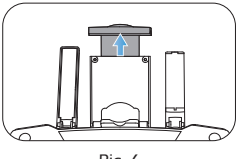
Pic. 4

3. Rotate and fix the support board in place (Pic. 5).



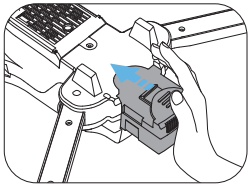
Pic. 5

4. Adjust the phone holder upward or downward according to the size of your phone (Pic. 6).

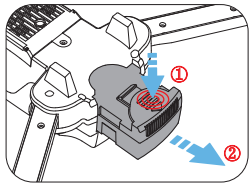


Pic. 6

8.3 Drone Battery



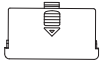
Pic. 7



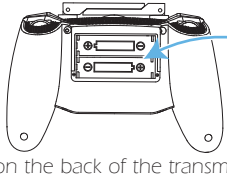
Pic. 8

Installation: Push the battery correctly into the drone battery compartment. Make sure the battery is firmly installed. **(Pic. 7)**
Removal: Press the lock button on the battery, and pull the battery out from the fuselage. **(Pic. 8)**

8.4 Transmitter Battery



Battery Cover





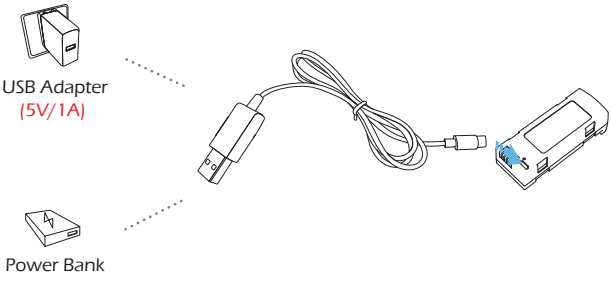
2 x 1.5V AA
(Not included)

Open the battery cover on the back of the transmitter, insert the two AA batteries **(Not included)** into the battery compartment, and close the battery cover to complete the installation.

⚠

· When installing the batteries, please pay attention to the positive and negative polarity of the battery to ensure the correct installation of the batteries.
· Do not mix old and new batteries.
· When the batteries of the transmitter run low, the transmitter will start beeping, and its indicator light will blink.

9.0 CHARGING



1) When the drone battery runs low, the indicator lights on the drone will blink continuously.
2) Connect the battery with the USB charging cable.
3) Plug the USB charging cable into a USB charging port on a power bank or a USB adapter (5V/1A).
4) When the battery is charging, the indicator light on the USB charging cable is red.

When the battery is charged, the indicator light on the USB charging cable turns green.

5) The charging time is about 160 minutes.

⚠

· Before charging, please read the instructions in the "Use of Battery" section of the "Safety Guidelines" carefully!
· DO NOT charge a battery immediately after a flight as the temperature may be too high. Please wait until it cools down to room temperature before charging again.

10.0 USING THE APP

10.1 Download APP

iOS

Android APP on Google play

Scan the QR code, corresponding to either App Store™ or Google Play ™ Store, and download the Deerc FPV app for free.

Required Operating Systems: iOS 12.0 or later/Android 4.4 or later.

10.2 Connect to Wi-Fi

Connect your phone to the Wi-Fi network created by the drone. You can check the drone's status on the Deerc FPV App.

① Make sure to turn off Bluetooth, Mobile Data, and VPN. Enter your phone's Wi-Fi settings and click Wi-Fi to search for the Wi-Fi of the drone. (Make sure to turn on the drone before going to the Wi-Fi settings on your phone)

② Select the Wi-Fi network: DeercFPV-******.

③ Wait for a couple of seconds for your phone to connect to the drone's Wi-Fi.

④ Enter the Deerc FPV application.

> The connection between your phone and the drone is established automatically.

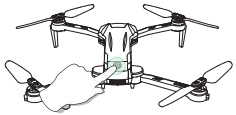
Attention: The Wi-Fi network created by the drone does not access the Internet.

11.0 OPERATION GUIDE

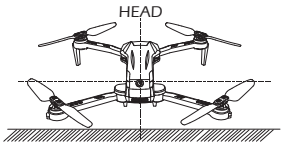
All of the following operations on this manual uses MODE 2.

11.1 Pairing

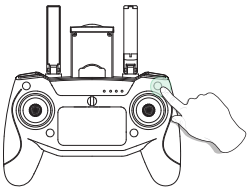
① Long press the power switch to turn on the drone. The indicator lights of the drone will keep flashing.



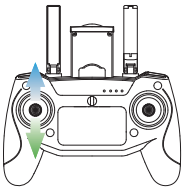
② Place the drone on a flat and level surface with the head forward and the tail facing towards the pilot.



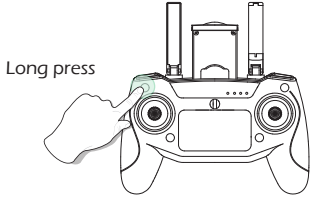
③ Short press the power switch button on the transmitter to turn it on, and you will hear a "Di" sound, then the indicator lights on the transmitter will flash.



④ Push the left joystick up then down to pair the drone with the transmitter. The indicator lights on the drone and the transmitter will turn solid if the drone is paired successfully.



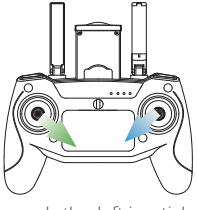
11.2 Calibrating the Gyro



Long press the button on the transmitter to calibrate the gyro. The indicator lights on the drone will blink, then turn solid, and the transmitter will send out a long "Di" sound, which indicates that the calibration is completed.

Tip: To ensure a stable flight, we suggest that the pilot calibrates the gyro every time after pairing the drone and after a crash.

11.3 Unlocking/Locking the Motors



Unlocking: Simultaneously push the left joystick to the bottom right corner and the right joystick to the bottom left corner. The motors will rotate, and the drone is unlocked.

Locking: Repeat the operation, the motors will stop rotating immediately and the drone locks.

11.4 One Key Takeoff/Landing

Please unlock the motors before takeoff.

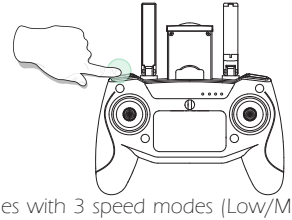


① Short press the One Key Takeoff/Landing button, the drone will take off automatically and hover at 4 feet. Now you can control this drone by using the joysticks.

② When the drone is flying, short press the same button again, the drone will automatically land on the ground.

12.0 FUNCTION DETAILS

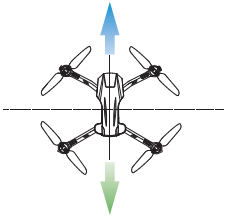
12.1 Speed Switch

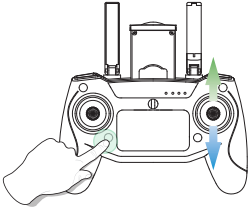


This drone comes with 3 speed modes (Low/Medium/High). Short press the Speed Switch button on the transmitter to switch the speed.

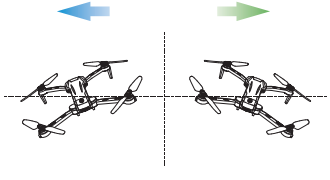
A "Di" tone indicates Low Speed. A "DiDi" tone indicates Medium Speed. A "DiDiDi" tone indicates High Speed. (The Low Speed is the default speed mode)

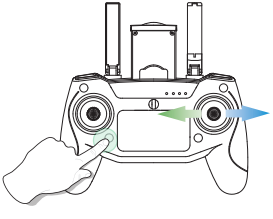
12.2 Trimmer





F/B Sideways Drift Trim: If the drone tends to drift forward, press down the Trimmer button and do not release it while pushing the right joystick down to re-balance the drone. If the drone tends to drift backward, press down the Trimmer button and do not release it while pushing the right joystick up to re-balance the drone.

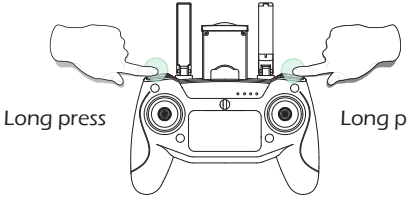




L/R Sideways Drift Trim: If the drone tends to drift left, press down the Trimmer button and do not release it while pushing the right joystick right to re-balance the drone. If the drone tends to drift right, press down the Trimmer button and do not release it while pushing the right joystick left to re-balance the drone.

12.3 Emergency Stop

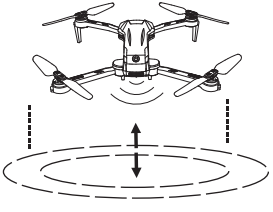
⚠ The Emergency Stop function should only be used in an emergency during the flight to avoid any damage or injury.



Long press the upper left and upper right buttons of the transmitter at the same time. The motors will stop immediately.

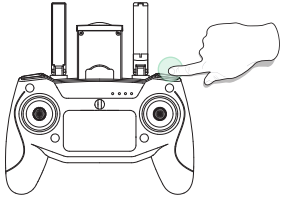
Attention: Be aware that you risk breakage of the drone if it falls from a large distance or hits anything at a high rate of speed.

12.4 Altitude-Hold Function



The drone is designed with an altitude-hold function to maintain its altitude after releasing the left joystick. (The left joystick will automatically spring back to the middle)

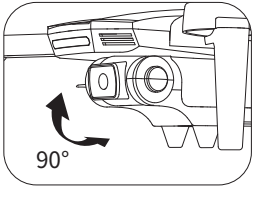
12.5 Take Photo/Record Video

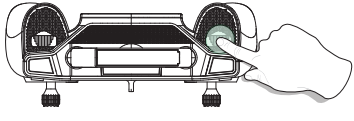


Take Photo: Short press the Take Photo/Record Video button, the transmitter sends out one beep, which indicates that the camera has taken one photo successfully.

Record Video: Long press the Video button on the transmitter. You will hear two beeps which means the recording has started. Long press again to exit the recording, and you will hear a long beep from the transmitter.

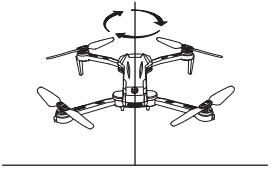
12.6 Camera Angle Adjustment

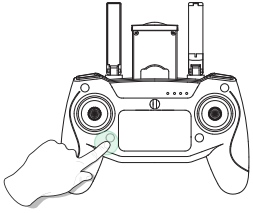




During the flight, you can dial the wheel left/right to tilt the camera up/down. (The camera has a 90° tilt range.)

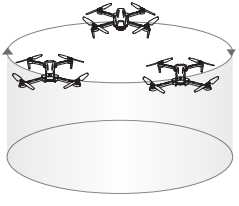
12.7 High-Speed Rotation

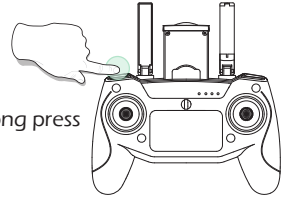




During the flight, short press the High-Speed Rotation button, the transmitter will make a "Di" sound, which indicates that the drone enters the High-Speed Rotation function. The drone will exit the High-Speed Rotation function automatically after 10 seconds, or you can also push the right joystick in any direction to stop the rotation.

12.8 Circle Fly

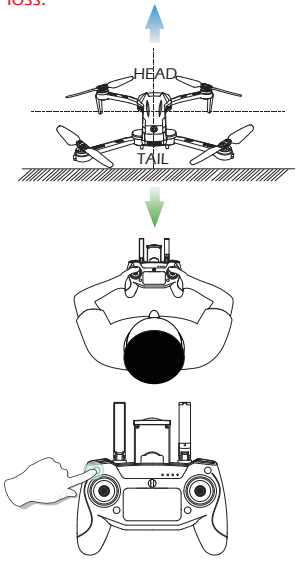




During the flight, long press the Circle Fly button, the transmitter will make a long "Di" sound, which indicates that the drone enters the Circle Fly. This drone will exit the Circle Fly function automatically after 10 seconds, or you can also push the right joystick in any direction to exit the Circle Fly.

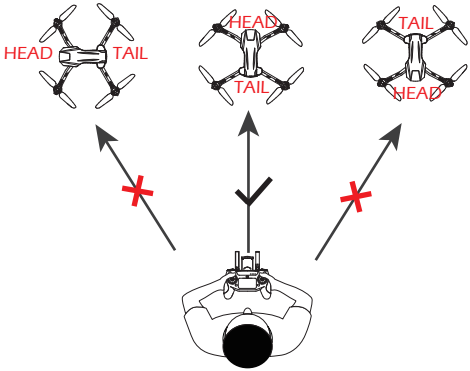
12.9 Headless Mode

⚠ Please familiarize yourself with the Headless Mode function first before using this mode. Otherwise, it is easy to lose the drone and cause unnecessary loss.



1. Short press the Headless Mode button on the transmitter. In Headless Mode, the indicator lights of the drone will keep on flashing, and the transmitter will constantly beep.

2. Short press the Headless Mode button again, and you will hear two beeps from the transmitter, which indicates that the drone has exited the Headless Mode.



Please make the pilot stays facing the same direction that the drone head faces at takeoff.

While in Headless Mode, pushing the right joystick forward will make it fly in the direction that the head of the drone faces when it takes off. To make sure the pilot can tell the drone's direction during the flight, we recommend that pilot stays facing the same direction that the drone head faces at takeoff. By doing so, it is ensured that when the pilot pushes the right joystick forward/backward, the drone will fly forward/backward toward the pilot. If the pilot pushes the right joystick left/right, the drone will move left/right relative to the pilot.

13.0 SPECIFICATIONS

- DRONE

  Model: D60

  Weight: 166g/5.86oz

  Max Flight Time: 22 minutes (per battery)

  Operating Temperature Range: 32° to 104°F (0° to 40°C)

  Size: 332*234*60 mm (Unfolded)

  145*81*60mm (Folded)

- DRONE BATTERY

  Capacity: 1900mAh

  Voltage: 3.8V

  Energy: 7.22 Wh

  Battery Type: Lithium-ion Polymer Battery

  Charging Temperature Range: 41° to 104°F (5° to 40°C)

  Charging Time: 160 minutes (depends on charging power and remaining battery power)

- TRANSMITTER

  Operating Frequency: 2452-2474MHz

  Max Flight Distance: 262 feet/80m (outdoors and unobstructed)

  Operating Temperature Range: 32° to 104°F (0° to 40°C)

  Battery Type: 2×1.5V AA Battery (not included)

- CAMERA

Operating Frequency: 2417MHz

Photo Resolution: HD1920×1080P

Video Resolution: HD1280×720P@25 fps

Lens: FOV 60°

Controllable Range: -90° to 0°

Transmission Distance Range: 197feet/60m (outdoors and unobstructed)

Photo Formats: JPEG

Video Formats: AVI/MP4

Operating Temperature Range: 32° to 104°F (0° to 40°C)

- USB CHARGING CABLE

Input: 5 V/1A

Rated Power: ≤5W

14.0 CONTACT US

Please do not hesitate to contact us if you need further support.

4:00 PM ~ 7:00 AM (PST)

usa@deerc.com (USA)

jp@deerc.com (JP)

eu@deerc.com (EU)

+1(855)777-8866

For online support, please scan this code with Live Chat.

15.0 GENERAL INFORMATION

FCC Notice:

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.

The Supplier's Declaration of Conformity is available at the following address:

https://www.deerc.com/Download/US/D60_FCC_sDoC.pdf.

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.

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

RF Exposure

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body. This part belongs to the drone.

RF warning for Portable device: The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. This part belongs to the transmitter.

IC Notice:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

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

CAN ICES-003 (B)

Avis d'Industrie Canada

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN NMB-003 (B)
RF Exposure
Radiation Exposure Statement:
The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

Le présent appareil est conforme
Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et compliance d'acquérir les informations correspondantes. La distance minimale du corps à utiliser le dispositif est de 20cm.

HOW TO RECYCLE THIS PRODUCT

This symbol on the product or its documentation indicates that it must not be disposed of with household waste.
Uncontrolled waste disposal may harm the environment or human health. Please separate your device from other types of waste to recycle it responsibly. This will help to foster the sustainable re-use of material resources.
We invite you to contact your retailer or inquire at your local town hallto find out where and how the drone can be recycled.

BATTERY WARNING:



1. Failure to follow all the instructions may result in serious injury, irreparable damage to the battery and may cause a fire, smoke or explosion.
2. Always check the battery's condition before charging or using it.
3. Replace the battery if it has been dropped, or in case of odor, overheating, discoloration, deformation or leakage.
4. Never use anything other than the approval LiPo charger the battery. Always use a balancing charger for LiPo cells or a LiPo cell balancer. It is recommended that you do not to use any other charger than the one provided with the product.
5. The battery temperature must never exceed 60°C (140°F) otherwise the battery could be damaged or ignite.
6. Never charge battery on a flammable surface, near flammable products or inside a vehicle (preferably place the battery in a non-flammable and nonconductive container).
7. Never leave the battery unattended during the charging process. Never disassemble or modify the housing's wiring, or puncture the cells. Always ensure that the charger output voltage corresponds to the voltage of the battery. Do not short circuit the batteries.
8. Never expose the LiPo battery to moisture or direct sunlight, or store it in a place where temperatures could exceed 60°C(car in the sun, for example).
9. Always keep it out of reach of children.
10. Improper battery use may result in a fire, explosion or other hazard.

11. Non-rechargeable batteries are not to be recharged. Rechargeable batteries are only to be charged under adult supervision.
12. Different types of batteries or new and used batteries are not to be mixed.
13. Batteries are to be inserted with the correct polarity.
14. The supply terminals are not to be short-circuited. Regular examination of transformer or battery charger for any damage to their cord, plug, enclosure and other parts and they must not be used until the damage has been repaired.
15.The packaging has to be kept since it contains important information.
16.This toy should only be connected to the equipment with symbol Class II.



EU RF Power(EIRP): <10 dBm (2452MHz ~ 2474MHz)

Caution

1.The max operating of the EUT is 45°C, and shouldn't be lower than -10°C.
2.The device complies with RF specifications when the device used at 0mm from your body.
3.Declaration of Conformity.

We, Xiamen Huoshiquan Import & Export CO.,LTD
hereby, declare that the compliance of the essential requirements with the Directive 2014/53/EU, the RoHS Directive 2011/65/EU and Safety Directive 2009/48/EC have been fully fulfilled on our product with indication below:
Product Name: Remote control four axis series
Model/Mark : D60/DEERC
The Statement of compliance is available at the following address:
http://www.deerc.com/Download/CE/D60_EU_DOC.pdf

This product can be used among EU member states.

MANUFACTURER INFORMATION

Manufactured by
Xiamen Huoshiquan Import & Export CO.,LTD.
Address: Unit. 33, Room 806, NO. 2 Huming Road, Siming District, Xiamen, China
+1(855)777-8866

MADE IN CHINA(CN)