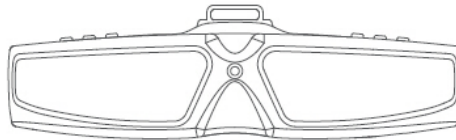


GHOSTDRONE 2.0

EHANG VR GOGGLES

OPERATING MANUAL



EHANG

GHOSTDRONE 2.0 created by EHang, Inc.

Model: GVR-200B (Bluetooth+2.4GHz data transmission+5.8GHz video transmission,the 5.8G is receive only)
GVR-200W (WIFI+2.4GHz data transmission+5.8GHz video transmission,the 5.8G is receive only)







Disclaimer

Before using EHang VR goggles, please read the operating manual carefully and familiarize yourself with the operations, warnings and applications. Please avoid improperly installing antennas, using non-proprietary charger or gimbal. EHang shall not bear any liability or responsibility of the damage of the VR goggles, the gimbal, the camera, the copter or any other related accessories or the accidents arised from improper use.

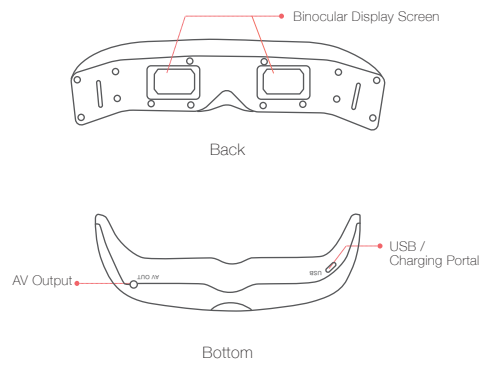
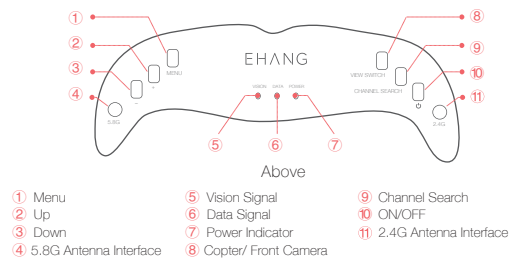
Introduction

The Ehang VR goggles feature data and real-time video transmission functions. While wearing the goggles, users can easily see real-time videos through head tracking system as well as adjusting pitch angles of the camera which is attached on GHOSTDRONE 2.0.

Packing List

 VR Goggles×1	 5.8G Antenna×1
 2.4G Antenna×1	 USB Cable×1
 VR Goggles Carry Casex1	 Goggles Cleaning Cloth×1

Diagram



Specifications

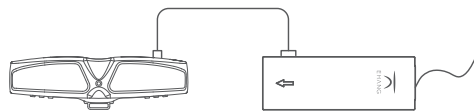
Communication	Bluetooth /Wi-Fi + 2.4 GHz data transmission + 5.8 GHz video transmission
Weight	255 g
Power	4.5 W
Charging Voltage	DC 5 V
Battery	3.7 V 1700 mAh
Image Size	854*480
Interpupillary Distance	63 mm
Battery Life	about 60 min

Charging the Goggles

Please use the Ehang USB cable for charging. It takes about 3 hours to fully charge the goggles. When charging through a USB adapter, the required input current is 500 mA or higher.



Bottom



Charging the VR goggles with Ehang power adapter

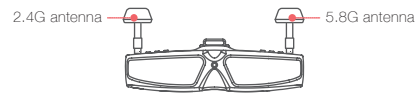
Note: VR goggles can also be charged with Ehang power adapter for GHOST Drone 2.0. The VR goggles and smart flight battery can also be charged with the power adapter at the same time.

Power Indicator Status:
 Charging: Slow Flashing
 Fully Charged: Off

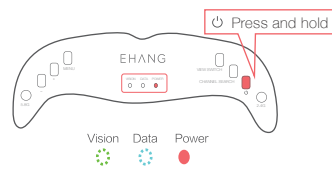


Instructions

1. Install 5.8GHz antenna and 2.4GHz antenna to the corresponding antenna interfaces;



2. Press and hold the power button to turn the VR goggles on. Power indicator displays solid red. Data signal indicator flashes blue.



3. Bluetooth / Wi-Fi Connection

1) Android version: Launch the App to search for the Bluetooth connection. Once the connection is established, the Data signal indicator will display solid blue.

2) iOS version: Turn the iPhone's Wi-Fi on in system setting's. Once the Wi-Fi connection is established, launch the App, then the Data signal indicator will display solid blue and confirm Wi-Fi connection in App. The password for goggle's Wi-Fi is on the sticker on the bottom of the VR goggle.



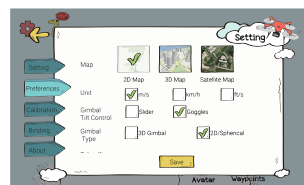
4. Tap "Bind" in the App, then turn on the Ghost Drone 2.0, the data will appear on the App interface once binded successfully.

5. Press Channel Search button to automatically search for the right channel. The vision signal indicator will turn solid green from flashing when connection is successfully established.

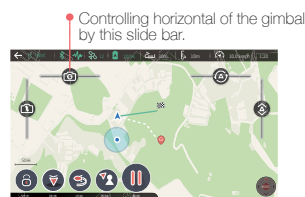
Note: If the image is not clear enough, press CHANNEL SEARCH button to search again for a clearer image. There are 32 channels on the VR goggles and the first channel to pop up might not be the best so keep searching.



6. Choose 'Goggles' in settings in App before flight. You can control the camera's pitch by moving your head up and down when this option is checked. The horizontal of the gimbal can be controlled by using the slide bar shown in the App.



7. Put on the VR goggles looking up or down.



8. Press and hold the power button to turn off the VR goggles if not in use.

Note:

1. Press the VIEW SWITCH button to switch from video transmission mode to front camera mode. Users can then watch the front view through the camera. To switch back to video transmission mode, press this button again.
2. After automatically searching the channels successfully, the channel will be recorded and no need to search again next time.
3. It is normal to observe some white noise on the screen.

Menu Settings

The parameters in the menu have been correctly set to the general settings before delivery. Adjust only when necessary.

When turning the goggles on, press the MENU button to enter the menu. Then press "+" or "-" button to move up or down to choose the parameter for adjustment. Finally press the MENU Button again to select the parameter. Adjust the parameter with the "+" or "-" button. Press MENU Button again to exit.

B	6	Brightness
S	10	Saturation
C	8	Contrast
CH	17	Current 5.8G Channel (Adjustable)
CH	SRCH	5.8G Automatically Search Channel
RESET DATA		Reset to Factory Settings
CONNECT ON		Connection Status
ANGLE ±90°		Head Tracking Angle
CH NUM 32		Frequency Band
EXIT MENU		Exit Menu

Note:

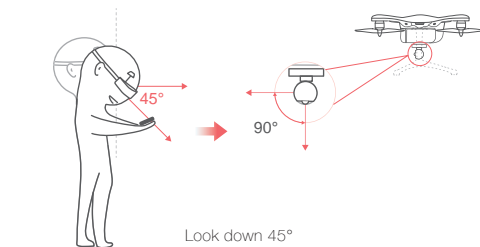
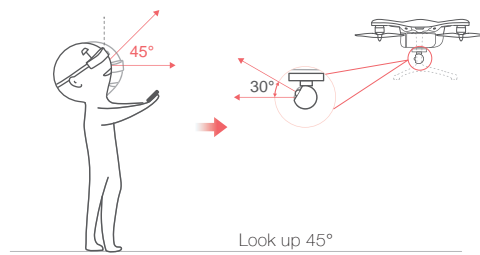
(1) After entering menu, if no further command is given within 2 seconds, the menu will disappear.

(2) If your unable to find a clear channel, please got to the menu to change the frequency band or switch between CH NUM 32 or CH NUM 5 and try re-searching.

Head Tracking Angle

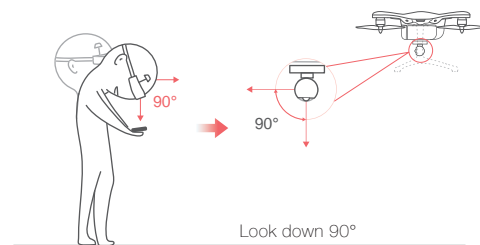
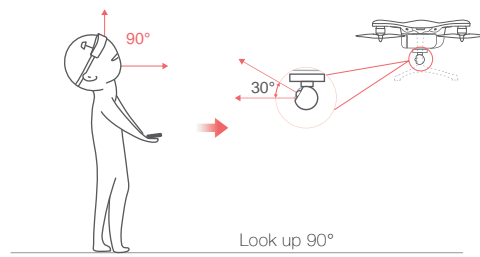
1. $\pm 45^\circ$

Goggle head tracking range $\pm 45^\circ$, gimbal is more sensitive to head track.



2. $\pm 90^\circ$

Goggle head tracking range $\pm 90^\circ$, gimbal is less sensitive to head track.



Indicator Lights Instructions



Vision Data Power

Power Indicator		Power On
		Battery life \leq 30%
		Charging
		Power Off/ Fully Charged
Data Signal Indicator		Searching for Bluetooth
		Bluetooth/ Wi-Fi Connects Successfully
		Power Off
Vision Signal Indicator		Image Transmission Mode On
		Searches Channel Successfully.
		Power off/ Switch to Front Camera

Legend

High Frequency Flash
 Solid

Low Frequency Flash
 Off

Note: DATA indication light for the Android version VR goggles shows the Bluetooth connection status; DATA indication light for the iOS version VR goggles shows the Wi-Fi connection status.

Warnings

1. Keep the smartphone and the VR goggles within 3 meters when using the goggles. 2. Use the goggles in widely open space. Avoid using it in dangerous areas where you cannot walk freely about. Always fly with a second person when using the goggles.
3. Those who have eye diseases are not suggested to use the VR goggles.
4. It is suggested not to wear the VR goggles for over 90 minutes.
5. When the battery life of the goggles is less than 10%, you need to discontinue using the goggles and please charge them before using them again.
6. Please get familiar with the Menu and the function buttons before using the VR goggles.
7. Do NOT use the goggles in a direct path of sunlight (Please use the goggles less than 30 minutes if you have to use in direct sunlight)
8. Do NOT disassemble or damage the frames of the goggles.
9. Do NOT pierce or damage the adjustable headband.
10. Do NOT leave the battery on combustibles or unattended when charging for a long time.
11. Do NOT bend the antennas of the goggles. If the antennas are damaged due to improper use, Ehang will not offer complimentary maintenance.

Storage Instructions

1. Please store the goggles at room temperature.
2. The goggles must be stored in places away from children, water, fire and especially excessive heat.
3. Do NOT discard batteries in general household waste. Damaged or unusable goggles batteries must be disposed in containers specially reserved for this purpose. When disposing of batteries, follow appropriate local guidelines and regulations.

Warranty

Strict quality control will be conducted before delivery of your VR goggles. Please read the manual and get familiar with the operation before use. A 6-month warranty is guaranteed for problems not caused by user's improper use. Removal of the products manufacturing label will be regarded as waiver of warranty. We will not offer complimentary maintenance if the label is removed or damaged, but limited warranty is still provided by Ehang.

Contact Us

Business Hour: Monday – Friday 10:00 A.M – 6:00 P.M (PST)
Customer Service Phone: +1 650-533-8554 / 888-800-7056
Customer Service Email: support@ehang.com

EHang, Inc. reserves all right to interpret this warranty.

The maximum operating ambient temperature of the equipment declared by the manufacturer is 40°C

The SAR limit of Europe is 2.0 W/kg. Device types VR Goggle Set has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification when properly worn on the body is 0.197 W/kg. This device was tested for typical body-worn operations with no distance between the back of the handset and the body. To maintain compliance with RF exposure requirements, use accessories that maintain a 0cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements, and should be avoided.

Hereby, Guangzhou EHang Intelligent Technology Co.,Ltd. declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For the declaration of conformity, visit the Web site <http://www.ehang.com/>

CE 0700

Notice: Observe the national local regulations in the location where the device is to be used. This device may be restricted for use in some or all member states of the European Union (EU)

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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
- This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types VR GOGGLES (FCC ID: 2ADPF-GVR-200B) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification when properly worn on head is 0.049W/kg.