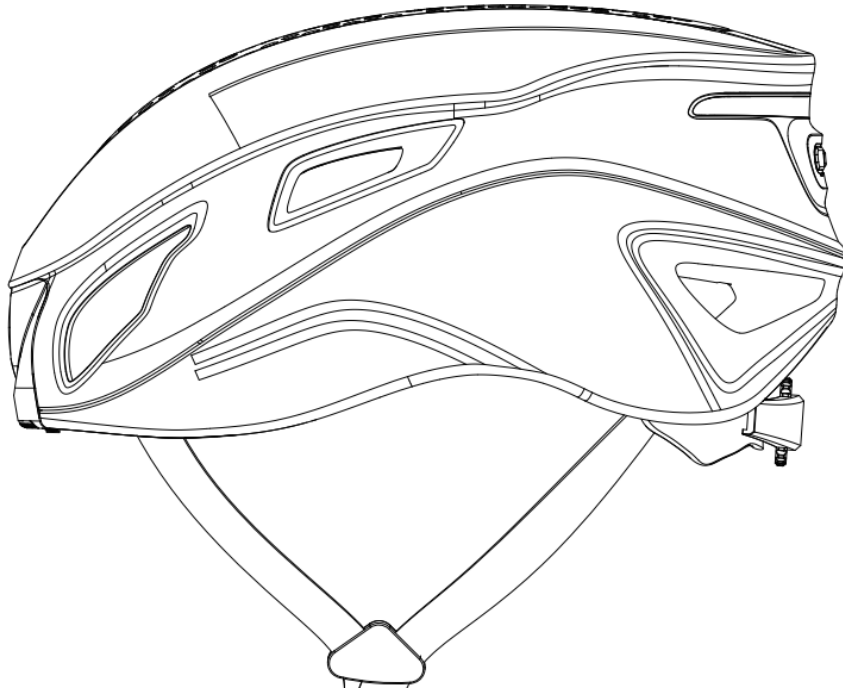


# User's Manual of Multifunctional Smart Helmet (JYFY-002)



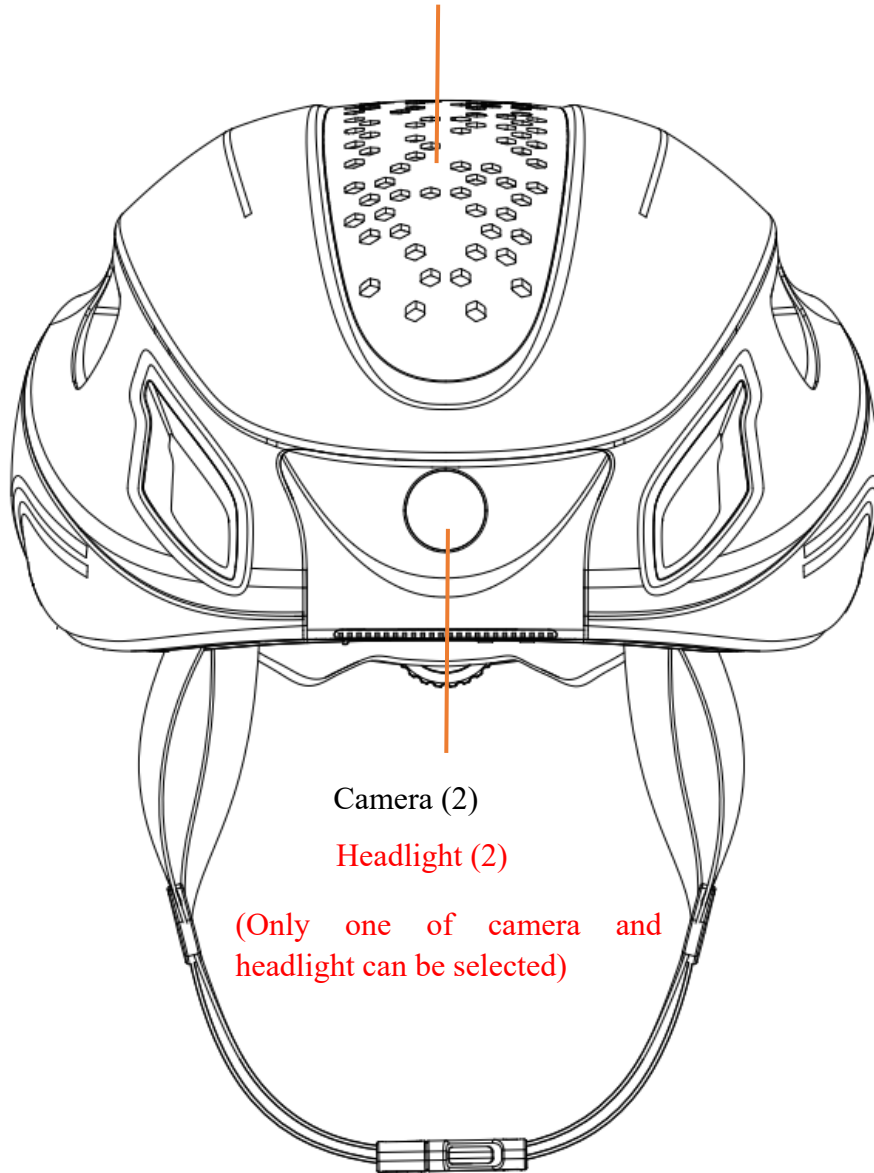
Respect customers:

Please read the Manual and precautions of this smart helmet carefully before  
use

Schematic diagram of the helmet (1)

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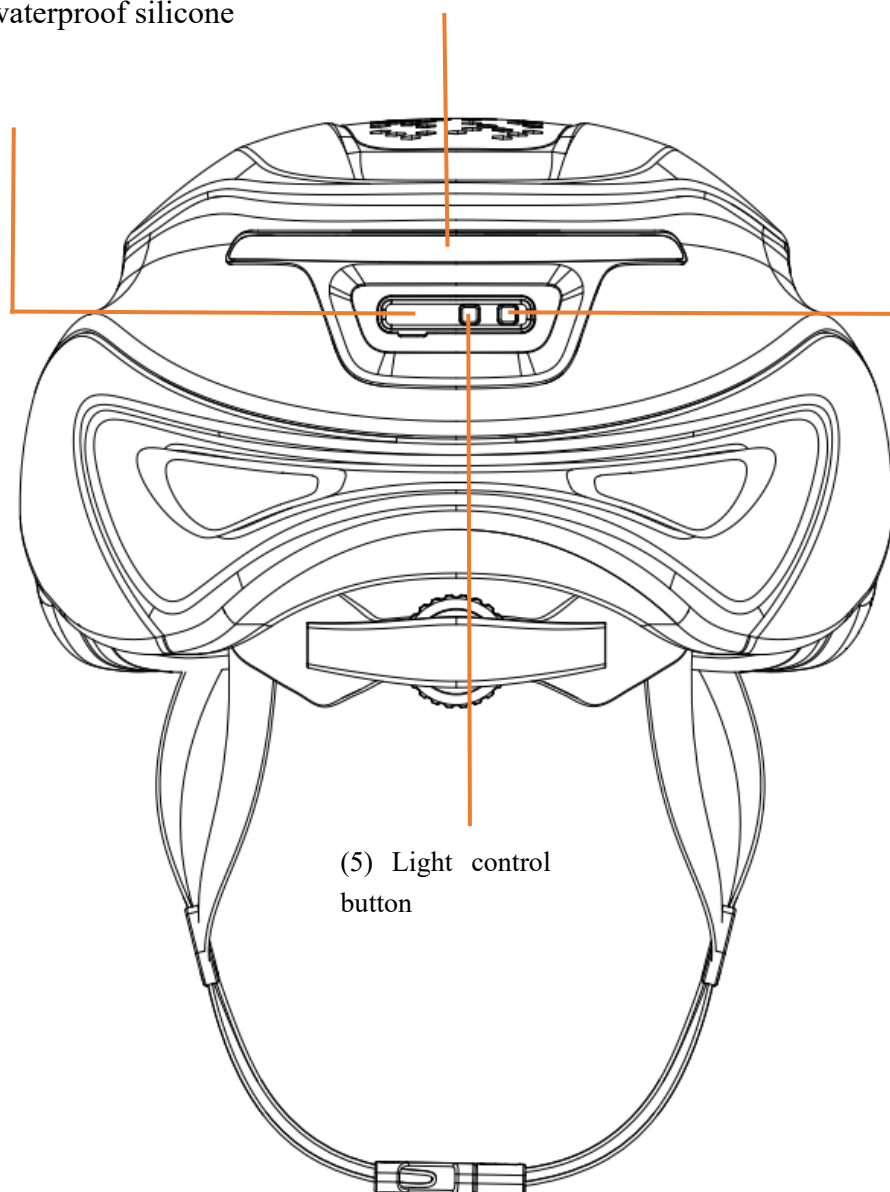
Removable and replaceable top casing (1)



Schematic diagram of the helmet (2)

(4) TYPE-C charging port  
Lift the waterproof silicone  
cover

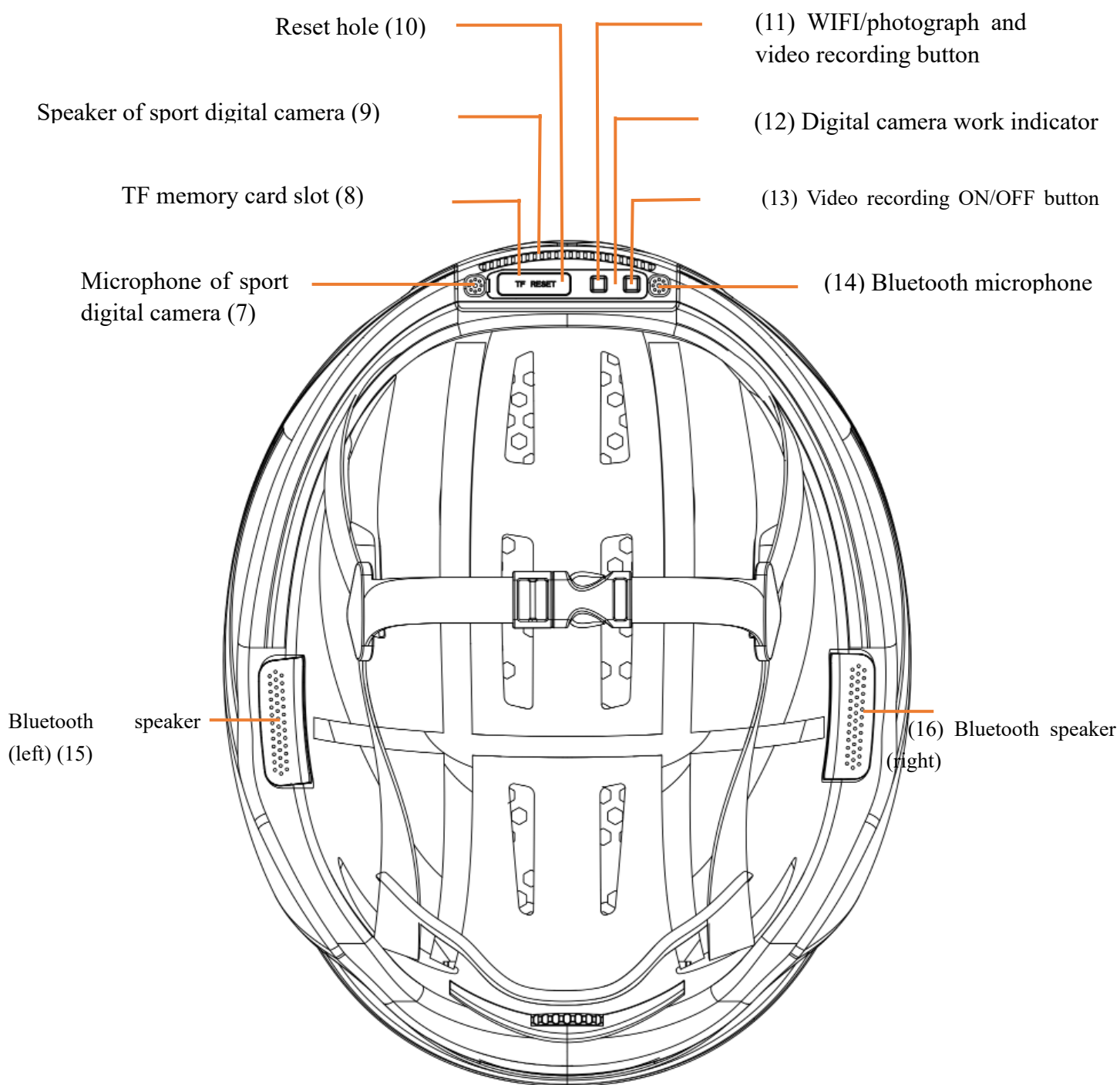
(3) Rear warning light



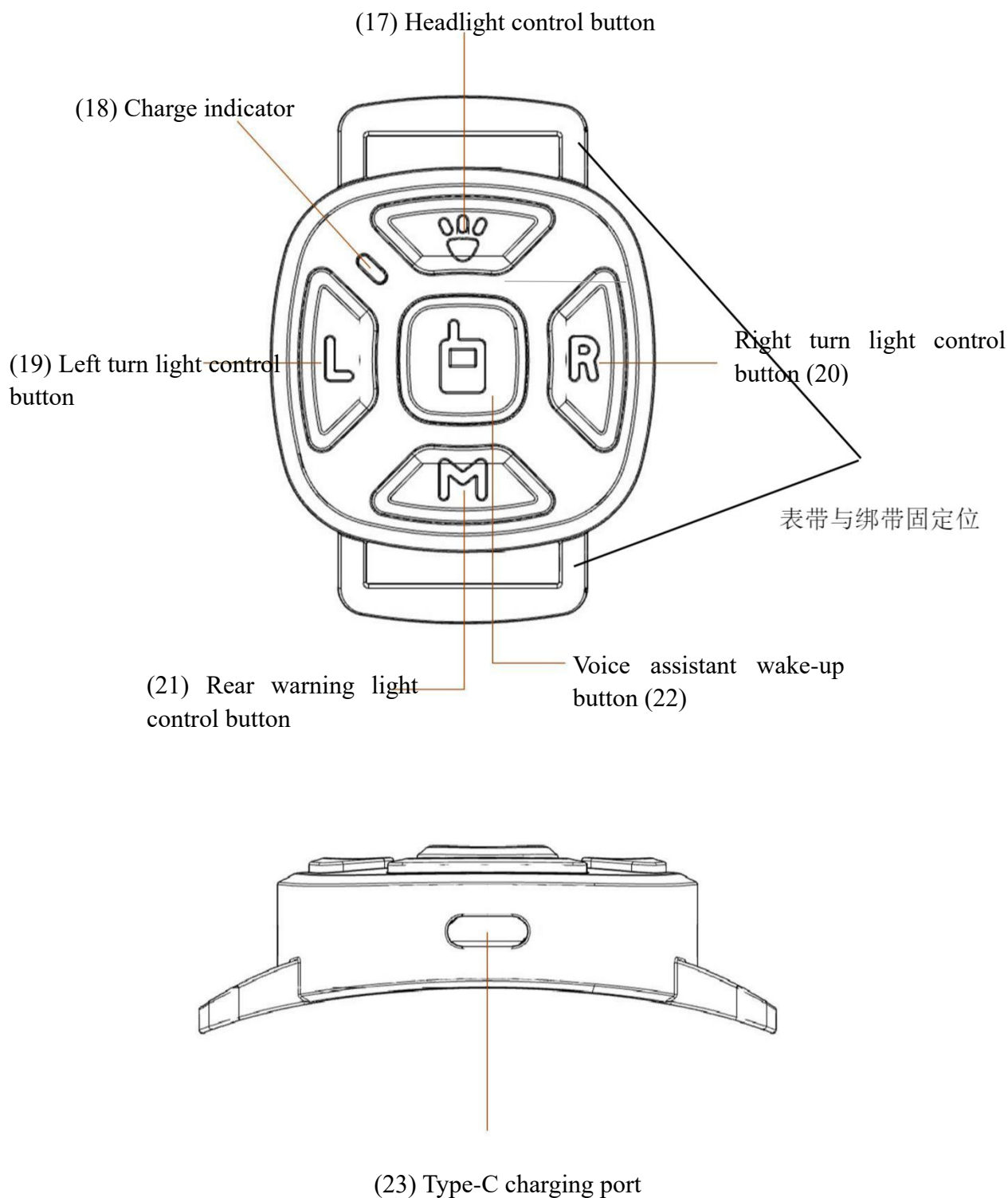
(6) Power button  
(With work indicator)

(5) Light control  
button

Schematic diagram of the helmet (3)



Schematic diagram of remote control



## Detailed explanation of functions

(1)	Removable and replaceable top casing (1)	The top casing of the helmet can be disassembled and replaced to other colors. Only the casings matching the helmet are applicable
(2)	Camera	Camera and lighting can not be selected at the same time, and one of them has been fixed when leaving the factory. [Digital Camera Version] only has camera and has no headlight, and [Headlight Version] only has headlight and has no camera
(2)	Headlight	

(3)	Rear warning light	Control the switch through [Three Rear Warning Light Control Buttons (L R M)] on the remote control(18)
(4)	Type-C charging port	Type-C interface is provided for helmet charging, the 5V, 2AH charger is needed to charge the helmet
(5)	Lamp control button	<p>1. Press it short: short press once to turn on/off the stop light; press it short twice in a row to turn on/off the left turn light; press 3 times in a row to turn on/off the right turn light; press 4 times in a row to turn on/off the running lights.</p> <p>2. Press it long (for the [Headlight Version]): for the first time, press it for 3 seconds, and the headlight is bright lightly; press it for 3 seconds for the second time, and the headlight will be highlighted; press it for 3 seconds for the third time, and the headlight is turned off</p>
(6)	On/off button of the device power supply	<p>Press it long for 2 seconds: turn on or off the smart device of the helmet</p> <p>Press it short: pause/play music (while music is playing)</p>
(7)	Microphone of sport digital camera	The pickup microphone of the sport digital camera can collect and input external sound into video synchronously after opening video recording function (you can control it to open/close on mobile APP)
(8)	TF memory card slot	Lift the silicone waterproof cover and insert or pull out the TF memory card
(9)	Speaker of sport digital camera	Recorder broadcast speaker can broadcast the working state of the recorder through voice when switching the use function of the recorder.
(10)	Reset hole	Use the reset needle to press it short, to reset the device to the factory state
(11)	WIFI/video recording ON/OFF button	Press it short for 1 second to turn on/off the video recording function; press for 3 seconds to turn on/off WiFi signal
(12)	Digital camera work indicator	Indicate operation status of digital camera
(13)	Video recording ON/OFF button of digital camera	Press it long for 2 seconds to turn on/off digital camera (only used in power saving state)
(14)	Bluetooth microphone	Communicate with the pickup microphone after connection to Bluetooth
(15)	Bluetooth speaker (left)	Bluetooth player speaker
(16)	Bluetooth speaker (right)	Bluetooth player speaker
(17)	Headlight control button	<p>[Headlight Version] Press the headlights low for the first time, highlight for the second time, and turn off the headlights for the third time</p> <p>[Digital Camera Version] Press it short: take pictures</p> <p>Press it long: when press it long for the first time, the device will start video recording, when press it long for the</p>

		second time, video recording will stop
(18)	Charge indicator	During charging, the indicator is red, after charging is completed, it turns to blue.
(19)	L button	Turn left light control button, press it short to turn on/off left turn indicator
(20)	R button	Right turn light control button, press it short to turn on/off right turn indicator
(21)	M button	Rear warning light control button. Press it short to turn on/off the stop light(in any light mode); press it long for 3 seconds, to enter the multi-color running light mode; and press it for 3 seconds again to turn off the multi-color running light mode
(22)	Voice assistant wake-up button	Press it short to wake up/turn off the mobile phone voice assistant
(23)	Type-C Charge port (remote control)	It is a Type-C interface for charging of the remote control, use universal charger for charging through the charge port
	Strap and handlebar tie fixing position	When wearing the helmet during skateboarding or mountaineering, the wrist strap shall be used for the remote control, and when wearing the helmet during bicycling, the tie shall be used for the remote control.

## **Check the contents of the packing box**



Packing list:

Smart helmet	One
Remote control	One
User's Manual	One

### **Note:**

The charger of the helmet is optional, it is not a standard accessory

## **Product charging way**

(13) Connect the charger to the charging port	
During charging, the red light is on	
After charge is completed, the blue light is on	

### **Note:**

Please use Type-c interface for the helmet or the remote control, the charger with helmet current above 2A. There is no current limit for the remote control. If the original charger configured for some mobile phones cannot charge the helmet due to protocol problems, please use other chargers suitable for this product. Or buy the chargers that have been verified by the helmet manufacturer.

## **Wearing method**

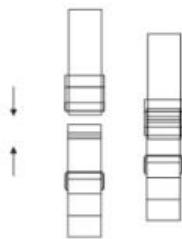


1. The helmet shall be correctly worn on the head, the front of the helmet is lower than the forehead. Adjust the rear adjuster to make the tightness appropriate and make the head comfortable



2. Place the center of the helmet side strap below your ears, and make sure that the tightness of the strap makes both ears comfortable

3



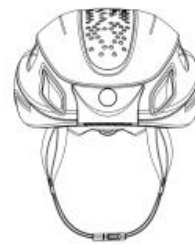
3. Fasten the buckle and adjust the length of the strap

4



4. Tighten or loose the strap, so as to make your head comfortable when wearing the the helmet. Fix the helmet safely, and ensure that the helmet will not shake forward or backward greatly

5



5. To conduct proper adjustment, you can tighten or loose the strap

## Precautions during use of the helmet

1	In order to wear the helmet comfortably and maximize the protective effect of helmet, please choose the helmet that match the size of your head.
2	When wearing the helmet, please fasten the strap buckle, adjust the tightness of the strap to make your head comfortable, and adjust the head circumference adjuster.
3	Please keep the helmet properly. It is forbidden to scrub the helmet with corrosive solvent. Chemical composition may cause damage to the surface or material of the helmet.
4	It is forbidden to soak the helmet in water. The helmet has undergone waterproof treatment (including rain prevention and water splashing), but it should not be soaked in water for a long time. In case of long-term soaking of gap between ABS and EPS, it will damage the performance of electronic device of this product, affect its service life or it will cause that the product fails.
5	It is forbidden for non-maintenance technicians to replace or remove any original accessories of the helmet.
6	It is forbidden to continue to use helmets that have had accidents or been hit by heavy force.
7	Wearing the helmet correctly can greatly reduce the accident injury during riding, but it cannot completely avoid injury.
8	In case of abnormal phenomena during operation of the product, please refer to the solution in "Common Troubleshooting" in this manual first. If no related solution is found, please press (10) [Reset Hole] with thimble to reset the product to the factory state.
9	Illustrations in this manual is to explain how to operate the product more clearly, so the display



	interface in the illustrations may be slightly different from the actual product, and the actual object shall prevail.
10	You should save or format the memory card of helmet regularly, to prevent data loss and reduce digital camera failure. To ensure that the sport digital camera function of the helmet is used normally, the memory card needs to be formatted every 15-20 days. Please make backup of the data in the memory card before formatting.
11	When using the product for the first time, please remove the protective film of the camera (2), so as not to affect the video clarity and transmittance.
12	Before using this recorder function of the helmet, in order to improve the compatibility between the card and this product, please format the card on a computer or connect the mobile APP with the sport digital camera through WiFi, then you can format the memory card.
13	If the memory card cannot be used normally on the product, it means that the card cannot meet the requirements of the high-speed card of the product. You shall use the genuine card from the memory card brand manufacturer or purchase Class 10 and above 8GB-128GB TF memory card from our company.
14	It is strictly forbidden to store and keep this helmet for a long time at high temperature above +60°C or below -20°C, so as not to affect its service life and function.
15	It is strictly forbidden to wear the helmet during engineering operation. This helmet shall be used for riding, it meets the quality and safety standards of riding helmets, but is applicable to special operators of engineering operation, etc. Please wear the helmet correctly before riding. It can protect the head and reduce the injury by absorbing and dispersing the impact force. But avoiding injury completely by exceeding the quality standard of riding helmet is infeasible. If the product is not used in accordance with the requirements of this manual or the users violate relevant traffic regulations, it may cause personal injury or property loss to users or third parties. The company will not be responsible for any personal injury or property loss unrelated to the quality of the product. The company only bears the responsibility caused by the quality of the product.
16	Cleaning of the product: You can use a soft cloth dipped with water to clean and wipe the helmet casing and accessories; please wipe the lens gently with the lens cloth to avoid scratch on the lens, which will affect the image quality and clarity; the lining is pasted by velcro tape, it can be removed for washing.
17	Storage of the product: the helmet should be stored in a dry and ventilated indoor environment. If it will not be used for a long time, it needs to be fully charged and shut down. It is recommended to charge it periodically every two months.
18	Due to the different configurations of the smart helmets ***001A/B/C, the functions may be slightly different from those in the manual.
19	Service life of the helmet: 3 years

## Operation method of sport digital camera and mobile APP

1. The iPhone mobile phone users should search the APP store (search "AI Helmet" for the domestic and the foreign; please distinguish uppercase and lowercase letters, and note a blank space after AI) for download

and installation of the App;

Android mobile phone users should search local APP markets or Baidu and other web pages (search "AI Helmet" for the domestic and the foreign) for download and installation of the App.

(When using the App for the helmet at home or abroad for the first use time, there is no need to register)



Mobile APP Icon of sport digital camera    Android System Client    Apple iOS System Client

2. Press the power button (6) long (on the top rear of the smart helmet) for 2 seconds, and there will be a voice prompt: "Bluetooth is turned on and waiting for connection" (if Bluetooth is connected, it will give a voice prompt that Bluetooth has been connected), at this time, Bluetooth and sport digital camera are both powered on for standby.

3. Video recording operation: Press the WiFi button (11) for 1 second to start video recording, and press it short again to close video recording. There will be the voice prompt: "Video recording has been turned on" or "Video recording has been turned off". After connecting to WiFi, press the Video Recording button on the APP, you can also turn on or off the video recording; after the remote control is paired, press the headlight button, then you can start video recording.

4. WiFi operation: WiFi will be turned on after the power button is turned on. After 3 minutes, if the product is not connected to WiFi, WiFi connection is turned off automatically. You need to manually press the WiFi button for 3 seconds to turn on or turn off WiFi. There will be a voice prompt: "WiFi is on" or "WiFi is off".

5. Operation on APP for mobile phone connection with WiFi: turn on mobile phone positioning in mobile phone settings (for some Android phones, if positioning function is not turned on, WiFi can't work normally)—click the "AI Helmet" APP corresponding to the helmet—click the [helmet icon](#) on the homepage of AI Helmet APP—automatically jump to WiFi settings in mobile phone settings to turn on WiFi—find the name "JYFY\_\*\*\*\_\*\*\*\*\* (random code)" corresponding to helmet WiFi, and enter the factory default password "12345678" (the name and password can be modified by yourself), connection with WiFi is completed.

Note: after an Android phone connects with WiFi of the device, the text will appear; "The current WLAN is unavailable. Do you want to continue using this WLAN?" Please select "Use" or the connection will not be successful.

6. If connection with WiFi is successful, select the icon at the top left and return to AI Helmet APP, it will automatically enter the video real-time preview interface, which can be displayed horizontally. There are options of Photograph, Pause/Start Video Recording, Set Parameters, etc. at the bottom of the interface (To enter the interface for setting, you need to stop video recording).

7. Click Back to the homepage of the APP. 7. At the bottom of the homepage, there are three columns: [\[Video Recording\]](#), [\[Files\]](#) and [\[Settings\]](#).

8. Click "Files" to enter the folder, then you can view, play, delete, download and share the files in the helmet memory card, the files downloaded in the local device and the locked files of emergencies (when there are too many locked files, you can adjust the sensitivity of gravity sensing in order to save memory)/and taken pictures.

9. Click [\[Settings\]](#), in the interface, you can modify the WIFI name and password, select the sensitivity of gravity sensing locking file, and the pixel resolution (due to the limitation of WiFi bandwidth, the mobile phone preview is 720p pixel preview in case of the highest smart version, it is different from the resolution of the actual shooting memory card, and the actual resolution may be 4K or 1080p). Enter the Settings interface of the device, and you can view the APP version.

## Connection and operation method of voice assistant

1. Note: When using the voice assistant function, in case of Android phones, the users need to turn off WiFi connected to helmet device first (WiFi of Android phones occupies the network channel, and the phone is in the Network Unavailable state at this time, so the voice assistant function is invalid).

2. After the smart helmet is turned on by pressing the power button long, within 10 seconds, press the Left button of the remote control to connect to the helmet, and then press the Middle button of the remote control to wake up the mobile assistant. When connecting for the first time, find the Bluetooth name of the device in the Settings of your mobile phone:

"JYFT\_\*\*\*\* (Bluetooth name)". Then conduct pairing. After connection is successful, there will be a prompt sound from the helmet: "Bluetooth is connected"

3. After the helmet is connected with the Bluetooth of smart phone, turn on the voice assistant (supported) in the Settings of the mobile phone:



4. No matter any brand of smart phones, the users needs to use the [Voice Assistant Wake-up button](#) of the remote control to wake up the phone for operation.


Operation demonstration	Press the <a href="#">Voice Assistant Wake-up button</a> on the remote control, and after you hear the "Dong" prompt sound, you can make the next command through voice
Navigation	"Navigate to ****", you must give an accurate address through voice, then the device can navigate directly
Make a phone call	"Call ****" (it must be the full name listed in your address list) When there is an incoming call, you can say "Answer" or "Hang up" without waking up
Send a text message	When you say "Send a text message to ****", the device replies: Please say the content, you say "Have a dinner together tonight"(example), the device will broadcast the content to be sent again, ask if you confirm Sending, and after you say "confirm", it will send the message

Send WeChat message	"Send WeChat message to **", the device replies: Please say the message content, you say "Have a dinner together tonight"(example), the device will broadcast the content to be sent once again, ask you if you confirm sending, and after you say "confirm", it will send the message. When you say "Call XXX through WeChat", the system will call XXX through WeChat in time, or when you say "Send WeChat location to XXX", the system will send your location through WeChat to XXX in time.
Adjust the volume	You can adjust the volume through voice: "Turn Up Volume"/"Turn Down Volume" "Percentage ** of Volume"
Play music	"Turn on QQ Music (or names of other music APP) and play the songs of ***** (the song names or singer names)"; "Next"/"Previous"/"Stop Playing"
Listen to news	"I want to listen to sports news", "I want to listen to financial news",.....
Weather report	"Weather"
Other	"Tell a joke", "Send WeChat location to **",.....

## Operation of warning light and remote control

The rear warning light and headlight (helmet headlight version) are controlled by the [light control button on the helmet](#) and the buttons of the remote control. **When the remote control is used for the first time, it needs to be paired with the helmet. Pairing method: Press the Helmet Startup button, when the helmet is turned on and broadcasts "Bluetooth is turned on, waiting for connection", press the Left Turn Light control button (19) on the remote control (about 3 seconds), and release the button after the four lights on the edge of the remote control flash. After the four lights flash for 5 times and go out, the pairing is successful.**

	Headlight Control button	Headlight version (No camera)	Press it short once	Headlight (2) is bright lightly, and there is voice prompt: "Headlight is bright lightly"
			Press it short twice	Headlight (2) highlights, and there is a voice prompt: "Headlight highlights"
			Press it short for 3 times	Turn headlight (2) off, and there is a voice prompt: "Headlight is turned off"
		Camera version (No headlight)	Press it short	The digital camera takes photographs while in standby mode. There is the "photographing sound"
			Press it long	The digital camera starts video recording, there is a voice prompt: "Start video recording"
			Press it long again	Turn off video recording of digital camera, there is a voice prompt: "video recording turned is off"
	Left turn light Control button	Press it short for the first time	The yellow light on the left half of the rear warning light flashes, and there is a voice prompt: the left turn light is turned on	
		Press it short for the second time	The yellow light on the left half of the rear warning light is turned off, there is a voice prompt: the left turn light is turned off <b>If it is not turned off after 40 seconds, it will be broadcast once every 10 seconds</b>	

			after that
		Press it long	Pair with the helmet
R	Right turn light Control button	Press it short for the first time	The yellow light on the right half of the rear warning light flashes, and there is a voice prompt: the right turn light is turned on
		Press it short for the second time	The yellow light on the right half of the rear warning light is turned off, there is a voice prompt: the right turn light is turned off If it is not turned off after 40 seconds, it will be broadcast once every 10 seconds after that
M	Rear warning light Control button	Press it short for the first time	The red light of the whole rear warning light flashes, and there is a voice prompt: the Stop Light is turned on
		Press it short for the second time	The red light of the whole rear warning light is turned off, and there is a voice prompt: the Stop Light is turned off If it is not turned off after 90 seconds, it will be broadcast once every 10 seconds after that
		Press it long for the first time	The coloured light of whole rear warning light flashes circularly, and there is a voice prompt: the Light Mode is turned on
		Press it long for the second time	The coloured light of whole rear warning light is turned off, and there is a voice prompt: the Light Mode is turned off
		Under the Light Mode, after you press the control button short once, it will enter the Stop Light mode, and after you press it short again, it will restore to the Light Mode; after press the control button long, you can turn off the Light Mode	
	Voice Assistant Wake-up button	Through the button, you can wake up the voice assistant of the mobile phone, and after wake-up, you can perform various voice operations on the mobile phone.	
<p>Matters needing attention;</p> <p>1. The buttons on the remote control are turned on, an indicator light is on. If there is no operation of buttons after five minutes, the indicator light will go out.</p> <p>2. The battery of the remote control is a rechargeable lithium battery. When the quantity of electricity of the battery is too low, there is a voice prompt: "The remote control power is low, please charge it".</p> <p>3. During the charging process of the remote control, the charging indicator light (18) turns to "red", and the indicator light goes out after being fully charged.</p>			

## Product specifications

Storage/expansion		Camera	
Built-in memory	4MB NOR FLASH	Video resolution	1920*1080P
Internal cache	512Mb DDR2		
External memory	TF card (support 8GB-128GB)	Highest pixel	2 million
Battery		Video format	MP4
Battery type	Lithium polymer battery	Photo format	JPG
Battery capacity	2700mAh, 3.7V	Viewing angle	Front lens: 110°
Maximum power consumption	800mA		
Use duration	If all functions are turned on, the duration is about 4 hours (maximum volume of music), if Bluetooth and light are turned on, the duration is about 6.5 hours (maximum volume of music), and under standby state, the duration is half a year	Size	
Charging voltage	DV5V±0.25V	Size	Free size (adjuster is used to adjust size)
Voice control	Wake up the voice assistant of the mobile phone through the remote control for voice control		
WiFi recorder	The WiFi function supports the device connection with iOS or Android mobile phones, the users can preview, play back, download, edit, share camera videos and conduct setting of device parameters, etc.		
Overall dimensions of product	cm (Length x Width x Height)	Product weight	
Note: The company reserves the right to change the design and specifications of the product. Any adjustment may be made without prior notice. If there is any difference, the physical object shall prevail.			

## Common troubleshooting

1. Start-up fails: Please confirm whether the device has enough quantity of electricity. 2. The recorder cannot record or the video is lost or the recorder crashes:

(1) Please connect to the APP before use, format the TFC card through the formatting function on the APP, and then make video recording.

(2) Please confirm whether the card you use is a high-speed card above Class 10, if the speed of TF card can not meet the requirements, and the files in the helmet recorder will not be able to transmitted to the card in time for storage.

(3) Press the Reset button with the reset needle.

3. The APP preview screen is not smooth or the download speed is slow (related to the running environment of the mobile phone):

(1) Emptying unnecessary programs that are still running in the background will make the phone run faster.

(2) If there is complex environment, the WiFi transmission function of helmet recorder will also be affected.

4. The recording display time is out of sync: connect to the helmet device frequently through APP.

5. After downloading the video to the mobile phone photo album, it can't be watched or it is stuck: it occurs due to the compatibility problem of individual brands of Android mobile phones. The users can upgrade the players or play video through other players, or connect the memory card with a computer through a card reader for playing.



This mark is applicable to electronic and electrical products sold in China, SJ/T11364 "Requirements for Identification of Hazardous Substances in Electronic and Electrical Products".

It indicates that the product can be reused after use. The figure represents environmental protection service life of product.

As long as the safety and use precautions related to this product are observed, from the manufacturing date, the product will not cause environmental pollution and influence on human body and property within the years indicated by the figure. For the method of scrapping after proper use of product, please comply with the relevant laws and regulations on the recycling and reuse of electronic and electrical products. Please consult the competent government departments at various levels for details.

Name of parts	Harmful substance					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr6+)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Casing	O	O	O	O	O	O
EPS	O	O	O	O	O	O
Circuit board assembly	X	O	O	O	O	O
Accessories (Power cord,	X	O	O	O	O	O

connecting line)						
<p>This table is prepared in accordance with SJ/T 11364.</p> <p>o: indicates that the content of the hazardous substance in all homogeneous materials of the component is below the limit specified in GB/T26572.</p> <p>x: indicates that the content of the harmful substance in at least one homogeneous material of the component exceeds the limit requirement specified in GB/T26572.</p> <p>Because there is no alternative substance under the existing technologies.</p>						

## Warranty certificate of product

**This warranty certificate is only applicable to China (excluding Hong Kong, Macao Special Administrative Region and Taiwan)**

Warranty terms:

1. The warranty period of this product is one year from the factory date. During the warranty period, if this product breaks down, with this warranty certificate and invoice issued at the time of purchase, the users can take the product to the purchase place or call..., then it can enjoy the warranty treatment at the designated maintenance center. During the warranty period, due to product quality problems, repair (including part and labor fees) will be carried out free of charge in Chinese mainland according to this regulation.
2. The company will not provide free repair in the following cases:
  - (1) Faults and damages caused by improper use.
  - (2) Users make inappropriate repairs and modifications in the places other than the maintenance department designated by \*\* company.
  - (3) Damage and failure caused by accidents after customers' purchase.
  - (4) Failure and damage caused by fire, earthquake, flood, lightning and other natural disasters, public hazards, transportation, abnormal voltage and chemical erosion.
  - (5) Replacement of consumables (rubber components and batteries of various parts, etc.).
  - (6) The products used by the users are fake and shoddy products not manufactured by the company.
  - (7) Faults caused by use under harsh conditions (oil smoke, heat, dust, water, direct sunlight, etc.).
  - (8) The users cannot show the warranty certificate and product purchase voucher; the content of warranty certificate and voucher is incomplete, and there are improper rewriting and deletion.
  - (9) The number of the product is removed or changed.
  - (10) The company will not be liable for any loss of property, human body, etc. directly or indirectly incurred as a result of device damage.
  - (11) The company only undertakes the warranty service for the products sold in the Chinese mainland market.

Customer's name				
Contact tel				



Contact address				
Product model				
Date of purchase				
Seller				
Telephone number of seller				
Seal of seller				
The repair record form				
Repair time	Fault phenome non	Cause of fault	Replacement component	Signature of responsible person

Producer: Shenzhen Jiuyu Fangyuan Technology Consulting Co., Ltd.

Address: 1201-06, Block B, Country Garden Phoenix Intelligence Valley,  
No.48 Gongyeyuan Road, Baogonghe Community, Baoan District, Shenzhen

Website:

Code of product implementation standard:

Publication date: April 2023

Tel:

Zip code:

Origin: Made in China

## FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.