

Instructions for touch screen remote control

Product overview

The stealth remote control with screen adopts high-definition image transmission technology, which can transmit underwater high-definition pictures by matching with the stealth ROV. With the complete function keys of the remote control, it can support the underwater robot to complete various action control and camera operation settings within the maximum water depth communication distance. The image transmission system has two communication bands of 5.8G and 2.4G, which can switch bands according to the interference of the environment. The product has a waterproof grade of IP65, which has a good resistance to the harsh use environment.

Highlight touch screen: the remote control has a built-in 7-inch highlight touch screen with a maximum brightness of 1000cd/ m². The touch screen adopts Android system.

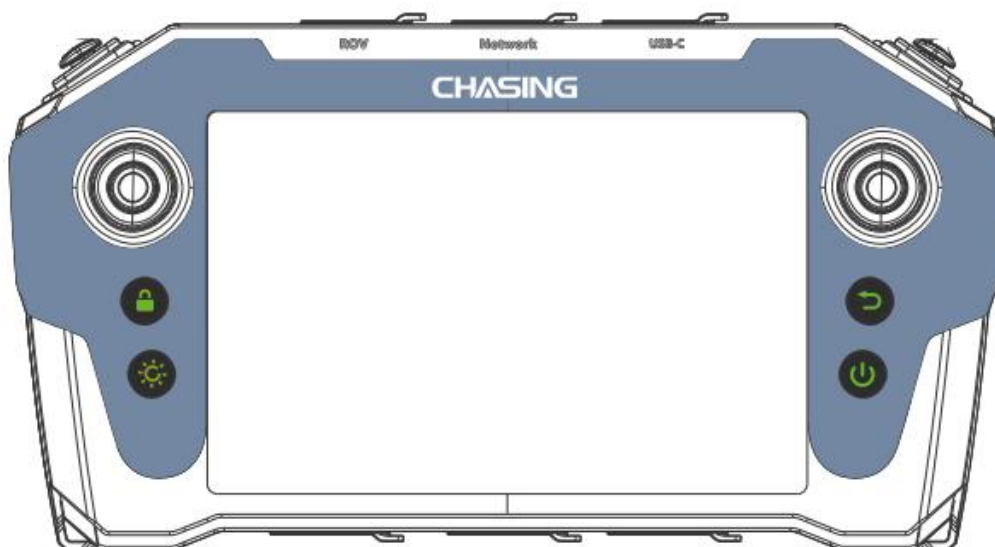
A variety of wireless connection methods: the remote control supports the connection with the Internet through wireless WiFi, external 4G (not configured by our company, but purchased by the customer) and wired network; The remote controller supports Bluetooth 4.0 technology and can connect with other

devices through Bluetooth.

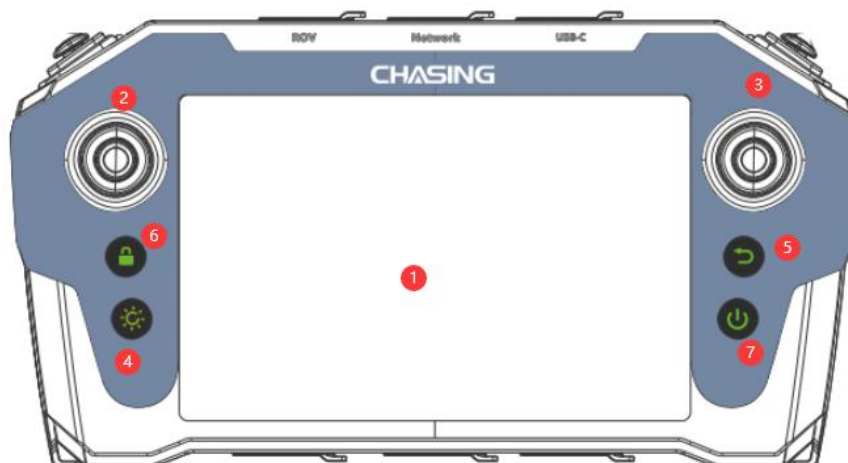
Audio and video processing: the remote control has a built-in speaker, supports an external microphone, and can play H 264 4k/60fps and H 265 4k/60fps video material, which is connected to the external display through HDMI interface.

Expandable capacity: the remote controller can support 32g EMMC at most, and can save the required files and captured video pictures to memory for easy import into computers and other devices.

Adapt to various harsh environments: the remote controller supports IP65 waterproof grade, which can effectively resist equipment damage caused by water splashing whether it is sailing on the sea or in rainy weather. Even in the high temperature environment of minus 10 °C or 50 °C, the remote controller can work normally to meet the use needs.

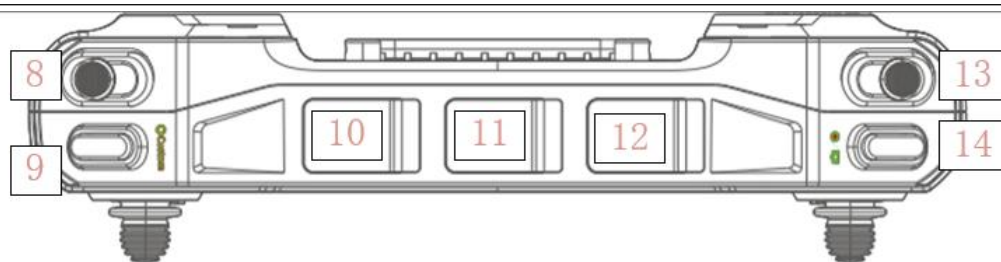


Part name



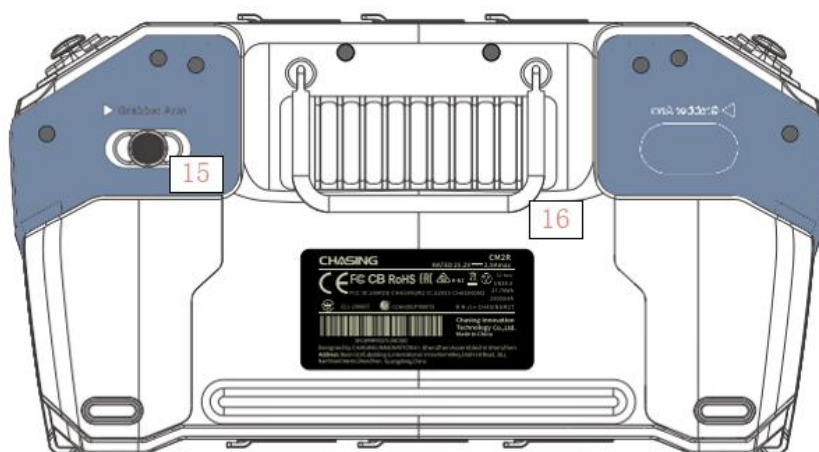
Front view

number	name	Function description
1	display	7-inch 1080p highlight ultra clear display
2	Left rocker	(↑) forward movement; (↓) retreat; (←) turn left; (→) turn right
3	Right rocker	(↑) floating up; (↓) dive; (←) left traverse; (→) right traverse
4	Light button	Fill brightness adjustment, 3-segment brightness
5	Return button	Adjust the ROV attitude and press one key to return to the right
6	Lock key	Lock and unlock ROV
7	Power button	The main switch of the remote control, press and hold the power key for 3S to switch the machine on and off



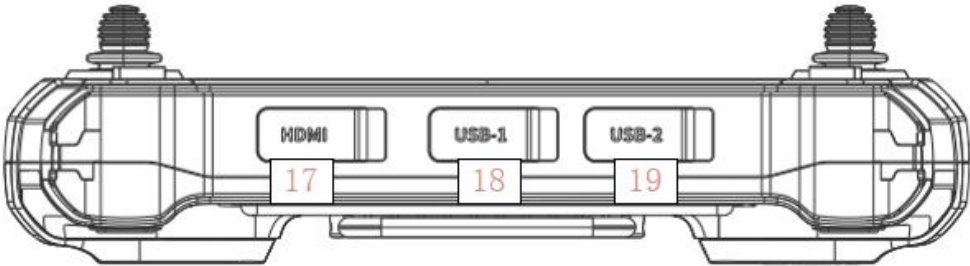
Top view

number	name	Function description
8	Left paddle wheel	Used to control the pitch angle of ROV
9	Photo / video button	For ROV, short press for 1s to take photos, long press for 2s to start / stop recording
10	ROV connection port	ROV 4-core interface
11	Net port	Dual screen parallel operation wired connection scheme (100m)
12	Type-C	Remote control charging / software burning
13	Right paddle wheel	Used to control ROV roll angle
14	Custom keys	For custom functions



Back view

number	name	Function description
15	Rear paddle wheel	Control the clamping action of single joint manipulator
16	Shelf	Used to support the vertical remote control, 30 ° is the

		best
		
Bottom view		
number	name	describe
17	HDMI	Connect peripheral HDMI display (4K@60FPS)
18	USB (1)	Interface for external equipment
19	USB (2)	Interface for external equipment

Opening and closing

Follow the steps below to turn on the remote control

1. Press and hold the power button for 3 seconds to turn on the remote control.
2. After use, repeat step 1 to turn off the remote control.



Control ROV

Operate the ROV as follows

1. Connect one section of buoyancy cable connector to ROV and one end to interface 10.

2. Press and hold the power button for 3S to start the machine. After entering the system, you can control the ROV.

3. Use rocker 2 to move forward and backward, turn left and turn right;

4. Use rocker 3 to traverse left and right, rise and dive;

5. Use key 4 to adjust the light brightness, and the brightness is low, medium and high;

6. Use key 6 to lock the machine, and the machine motor stops working;

7. Use wave wheel 8 for pitching operation;

8. Use the wave wheel 13 to roll;

9. Use key 5 to recover the posture;

charge

Charge the handle as follows

1. Connect the stealth 4-core charger to the type-C interface of interface 10 or interface 12.

FCC STATEMENT :

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

This device may not cause harmful interference, and

This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance 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.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

-English: "

This device complies with Industry Canada licence-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."

-French: "

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."

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF. L'appareil peut être utilisé sans restriction dans des conditions d'exposition portables.

The UNII Band 5150-5350MHz indoor use only.

- This radio is designed for and classified as "General population/uncontrolled Use", the guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. The exposure standard for wireless radio employs a unit of measurement known as the Specific Absorption Rate, or SAR, the SAR limit set 1.6W/kg.

- Body-worn operation; this device was tested for typical body-worn operations with the back of the handset kept 10mm for body worn. To maintain compliance with RF exposure requirements, use accessories that maintain a 10mm for body worn. 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. The highest reported SAR value for use at the body is 0.512 W/kg.