# CHASING Control Console User

Manual

V1.0

CHASING Control Console is a professional control platform designed for high-end professional users. The Aluminum-alloy shell is strong and durable. The built-in 13.3-inch 1080P display delivers real-time ROV underwater images, which are clearly visible in even direct sunlight. The ergonomic control platform, with a number of well-designed switches, buttons and interfaces, makes it can control ROV and USV simultaneously, as well as AC direct power supply, USBL, manipulator arm, image sonar, external lights and other professional accessories. Four brackets can be set separately to adapt to various terrains. With rollers at the bottom, it can be easily carried like a suitcase after folding. It can work anywhere easily.
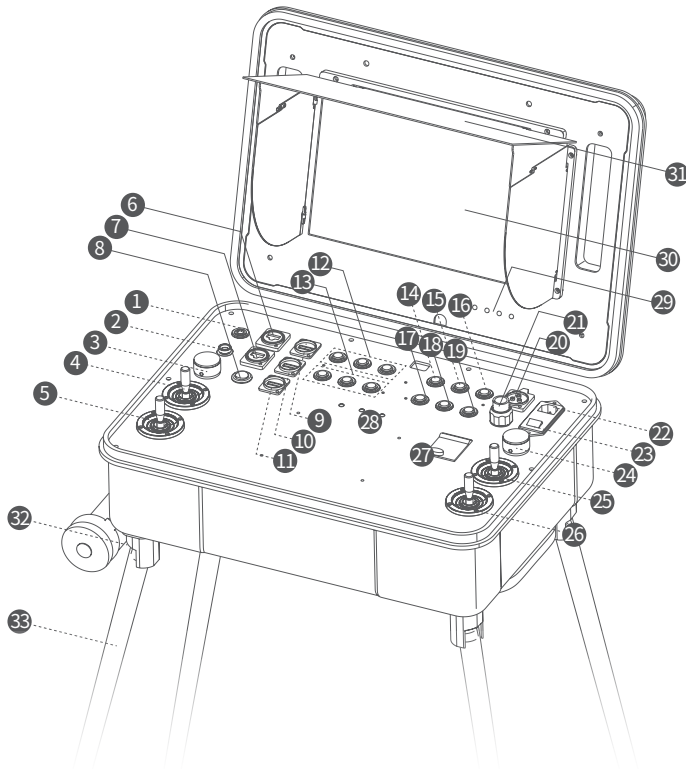

1. Power Switch: Long press to turn on/off the control console power.
2. Standard Interface： Control console charging /Remote controller /ROV tether socket.
3. ROV Left Angel Adjustment： Adjust the ROV pitch angle.
4. USV Left Control Sticks: Used to control the navigation of the USV.
5. ROV Left Control Sticks: Used to control the navigation of the ROV.
6. RJ45 Interface 1: 10/100Mbps Ethernet.
7. RJ45 Interface 2: 10/100Mbps Ethernet.
8. Lifting Platform: Control the ROV lifting platform of the USV.
9. USB Interface 1: USB2.0
10. USB Interface 2: USB2.0
11. USB Fast Charging Interface: QC3.0 charging interface.
12. USV Function Key Area
13. User Defined Function Key Area
14. ROV mount 1: ROV manipulator operating button.
15. Photo/Video: Short press to take photos, long press to start / end recording video
16. Unlock: Unlock/Lock Motors
17. ROV mount 2: ROV accessories operation button (user-defined).
18. One-key reset: Short press to reposition the ROV return to a horizontal state/ Long press to switch control mode.
19. Led Control: On / off led light (0%50%100%)
20. 12V DC Interface: 12VDC/3A output.
21. AC Power Output Interface: ROV AC Power Interface.
22. AC Power Socket: AC power input.
23. AC Power Switch: I=ON，O=OFF
24. ROV Right Angel Adjustment: Adjust the rollover angle.
25. USV Right Control Sticks: Used to control the navigation of the USV.
26. ROV Right Control Sticks: Used to control the navigation of the ROV.
27. AC Power Protection Switch: Air protection switch and leakage protection switch.
28. Signal Indicator Light: Indicator light for control console, ROV and USV. The green light is always on when working.
29. Display Button: Adjust the parameters of the display screen.
30. Display: Touch screen.
31. Light Shield
32. Wheel
33. Removable bracket: used to support the control console.

Installation and connection

❶ Mounting bracket

Take out the four brackets from the control console package, pull the brackets to the longest length (users can adjust the length according to needs). Align the socket on the back of the control console and tighten the brackets clockwise to complete the installation.
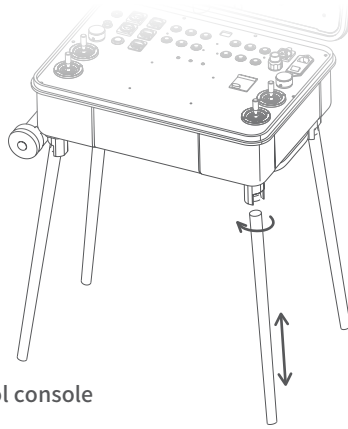
❷ Connect the ROV to the control console

·2.1 Not using AC power supply

Connect tether to connector of the ROV and reserve a suitable length. Hang the hook of the cable head on the hook bracket at the rear of the machine and tighten it. The other end is connected to the connector ② of the control console and tighten it.

·2.2 Using AC power supply

1) When the docking station is not in use, insert one end of the AC tether with the latch to the AC power supply component of the ROV.
2) When using the docking station, install and connect the docking station to the ROV at first. And then insert the end of the AC tether with the latch to the AC tether connector of the docking station.

Reserve a suitable length and Hang the hook of the cable head on the hook bracket at the rear of the machine and tighten it. Insert the other end of the AC tether to the AC power supply output interface at the top right of the control console panel ㉑, and then connect the AC power supply 220V power cable to the AC power socket ㉒ of the control console to complete the connection.

❸ Power ON

·3.1 Not using AC power supply

Long press the power switch ① in the upper left corner of the control console panel for one second, then the ROV will power on with a self-test sound, while the control console's touch screen lights up, wait until the touch screen is fully activated, find the CHASING GO1 App, click it to enter the App control interface, then you can get the real-time image and control the ROV.

· 3.2 Using AC power supply

Press the power button㉓to "I" status to power on, then follows the steps 3.1 "Not using AC power supply".

Note: To use the AC power supply function, you need to turn on the AC power supply option in the APP after the ROV is successfully connected.

Specifications

Control Console

SIZE	484×375×178mm
WEIGHT	11 Kg
OPERATING TEMP	-10℃~45℃

Interface

INTERFACE	RJ45 × 2
	USB 2.0 Host × 2
	QC 3.0 USB ×1
AC INPUT	200 V ~ 240 V
AC OUTPUT	220V

Screen

SIZE	13.3 Inch
RESOLUTION	1920×1080
DISPLAY BRIGHTNESS	1000 cd/㎡

Battery

RUNTIME	8 Hours
BATTERY	226.8Wh
CHARGE TIME	3A Charger: 4.5 Hours

Charging Guidance

1. The CHASING Control Console supports 25.2V 2.9A and 25.2V 8A chargers for charging.
2. Red light indicates Charging, green light indicates fully charged.
3. Please disconnect the charger in time after charging is completed.
4. Please unplug the charger after charging.

Do not run out of battery power	Charge when power is less than 25%	When not in use, keep battery power at 50% ~ 70%	Working temperature -10℃ ~ 45℃ (-18°F ~ 113°F)
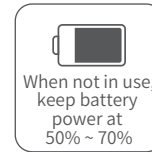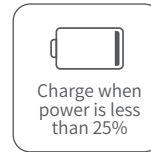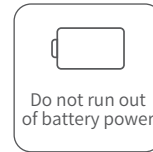
Precautions

1. Please press the pill-shaped button on the upper right corner of the leakage protection switch every month to verify whether the protection switch is working properly.
2. Please take the control console lightly to avoid possible damage to screen or other parts.
3. Do not splash water or liquids on the control console to avoid damaging the hardware.

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