USER MANUAL
Industrial Remote Controller (Q-iRC)



V1.0

Contents

Safety Rules····· 01

Product Specification····· 02

Usage Instruction····· 03

Feature Overview····· 04

Connection····· 07

Operation····· 10

Calibration····· 20

Charging····· 24

Note····· 25

Maitenance and After-sales Support····· 26

Disclaimer····· 27

01/Safety Rules

⚠

Before operating FIFISH products, please be sure to receive relevant training and take practices, and read this document thoroughly before performing underwater operations. Operations in violation of QYSEA safety rules may result in the consequence that your safety and interests cannot be guaranteed.

1. Regarding the damages to accessories and underwater ROV caused by unauthorized modification, disassembly or opening in violation of regulations, or damages to accessories and underwater ROV caused by improper installation, improper use or operations not in accordance with official regulations, QYSEA doesn’ t bear any legal responsibility and the warranty will also be ineffective.
2. When installing the accessories, the underwater ROV shall be shut down.
3. Please check whether all the parts of the Q-iRC are complete. If there is any part missing, please contact QYSEA after-sales service personnel in a timely manner.
4. Please check whether all interfaces, plug-ins and O-rings are kept dry and tidy, otherwise they should be replaced as soon as possible.

02/Product Specification

Specification	
Dimension	292mm(L)x160mm(W)x80mm(H)
Weight	1420g
Screen Size	7inch
Screen Brightness	1500nits
Resolution	1920*1200
Operating System	Android 13.0
Capacity	10400mAh 7.2V Li-ion
Battery Life	8 hrs
Power Consumption	9W
Charging Port	USB Type-C
Charging Time	4.5 hrs
WiFi band	2.4/5 GHz
IP Rating	IP54
Working Temp.	-20℃~ +55℃
Storage Temp.	-30℃~ +65℃
Operating Humidity	5%~95%

03/Usage Instructions

Precautions before usage

1. Before usage, please check whether all accessory interfaces, plug-ins, and O-rings are damaged or missing, and whether they are kept dry and clean.
2. Check the battery level of the underwater ROV to ensure that there is sufficient and stable power.
3. Please check the completeness of the accessories, and make sure that the accessories can work normally when conducting electrical tests on land.
4. Before putting the ROV in the water, please check and ensure the connection between the accessories and the ROV is sealed to be watertight.
5. Check and ensure the underwater ROV and the remote control are working normally.
6. Check the batteries of mobile phones, tablet PCs and laptops.
7. After-sales service email: support@qysea.com

04/Feature Overview

Please review the remote controller's features below.



1. Left Control Stick
2. Right Control Stick
3. Custom Button L1
4. Depth Hold Button A
5. Custom Button L2
6. Power Button
7. Custom Button R1
8. APP Toolbox Control Button
   - Single Press: Open/Confirm
   - Long Press: Close the toolbox
   - 5 directional button: Up / Down / Left / Right / Center button [1]
9. Custom Button R2
10. Unlock/Lock Button H

Note:
1. The up, down, left, and right directions are used to navigate and select items within the toolbox, while the center button is used to activate or deactivate the selected function.

04/Feature Overview

Please review the remote controller's features below.



1. Capture Button D
2. LED Light Brightness Adjustment
   - Settings: Off / Level 1 / Level 2
3. USB-C
4. USB-A
5. TF Card Slot
6. HDMI Port
7. Control Mode
   - Attitude / Sport / Combination
8. Record Button C
9. Right Scroll Wheel
10. Left Scroll Wheel
11. Custom Button K2
12. Custom Button K1
13. PLC Port
14. Network Port
15. Custom Button K4
16. Custom Button K3

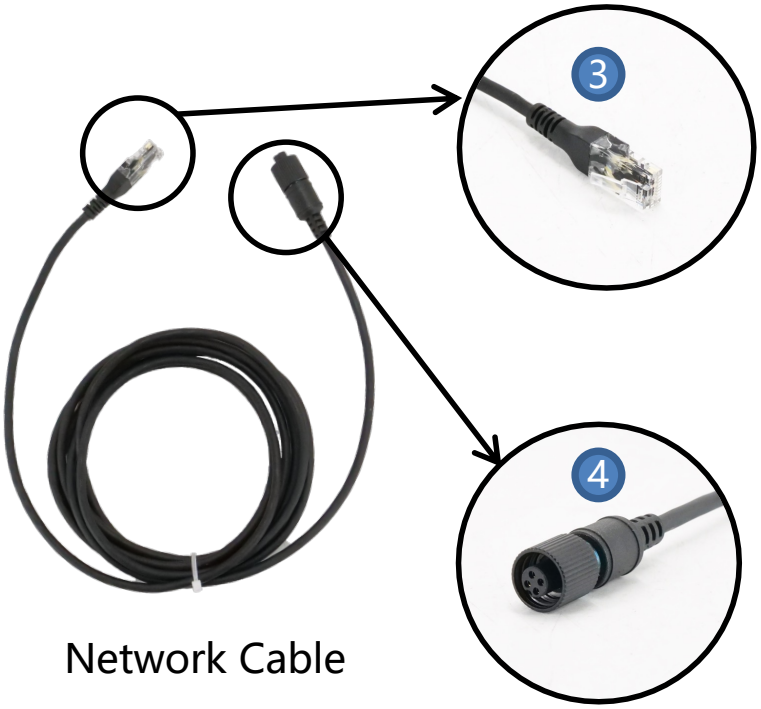
04/Feature Overview

Please review the definitions for the cables below.



PLC Cable

1. 3.5mm Female Connector
   - Connect to the 3.5mm connector on the tether spool
2. PLC Connector
   - Connect to the PLC port on the remote controller



Network Cable

3. RJ45 Connector
   - For computer connectivity with software including QYMT measurement software.
4. 4-pin Female Connector
   - Connect to the network port on the screened remote

05/Connection

1. Connection Settings

1.1. Connect the PLC cable: PLC connector to the screened remote's PLC port, the other end to the tether spool's 3.5mm connector.





05/Connection

1.2. To complete the connection, connect the tether spool to the underwater ROV.





1.3. Short press the power button, followed by a two-second long press, to activate the remote controller and the ROV. (*Note: To turn off the controller, tap the power button once, then press and hold.*)



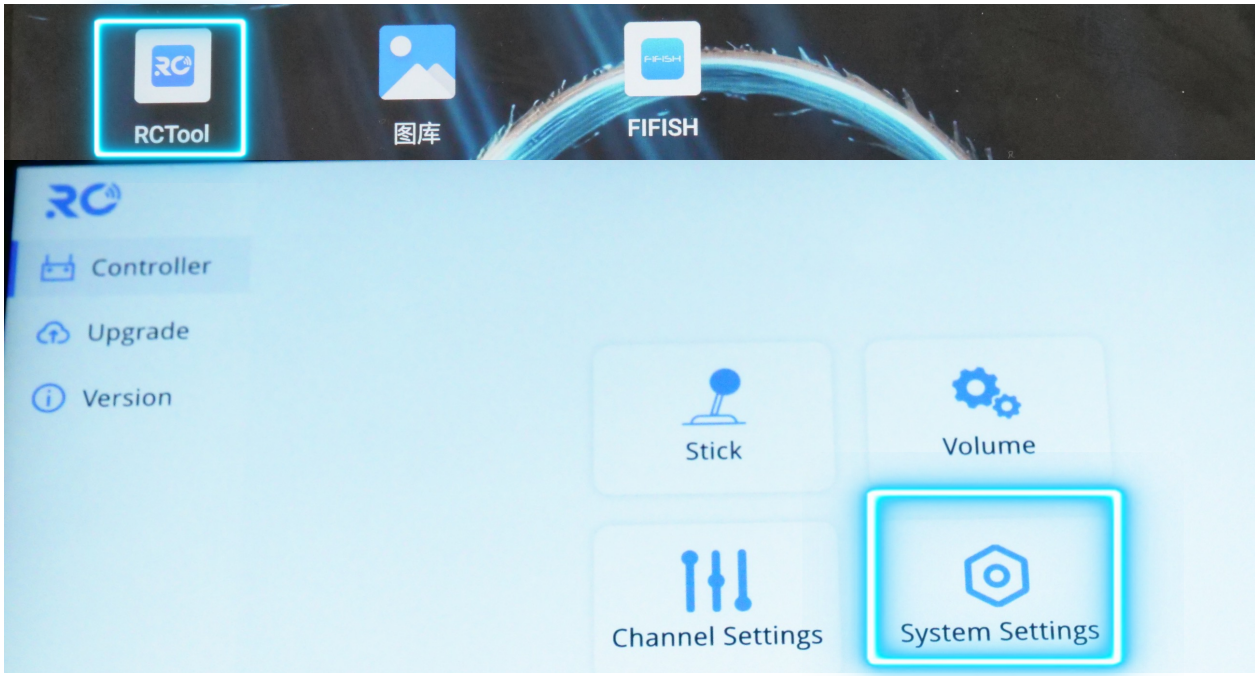
1.4. Open the FIFISH app and select view the ROV's connection status.



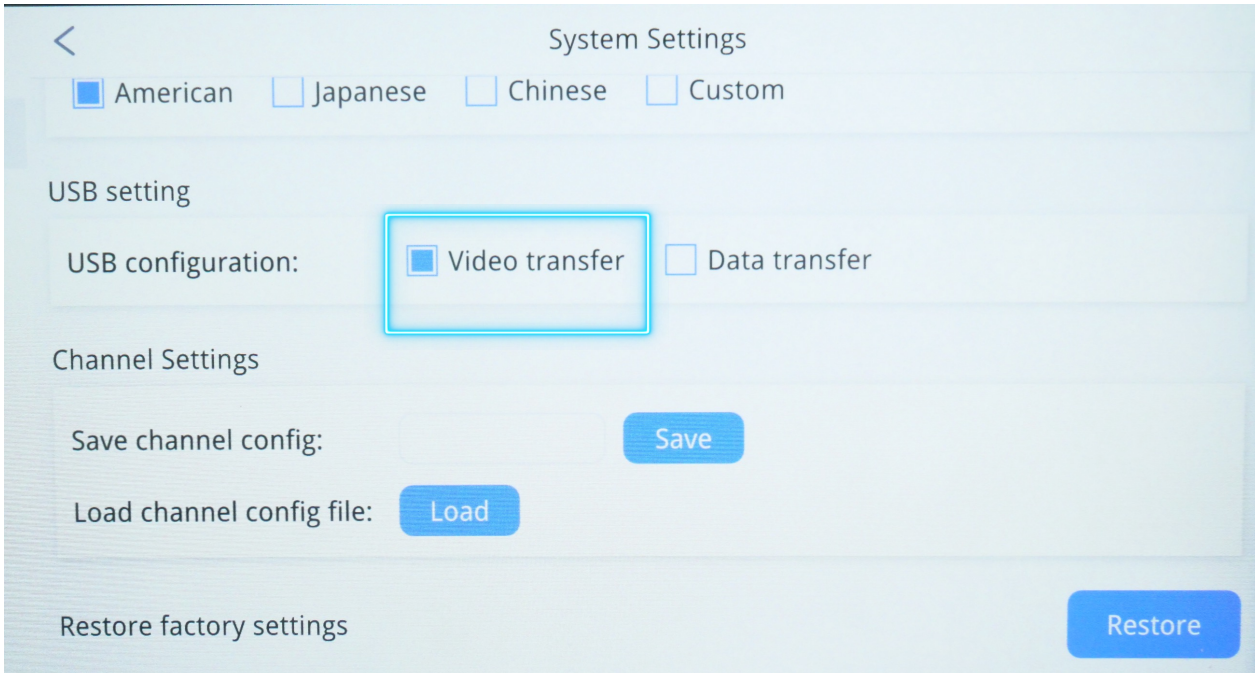
06/Operation

1. RCTool Setup

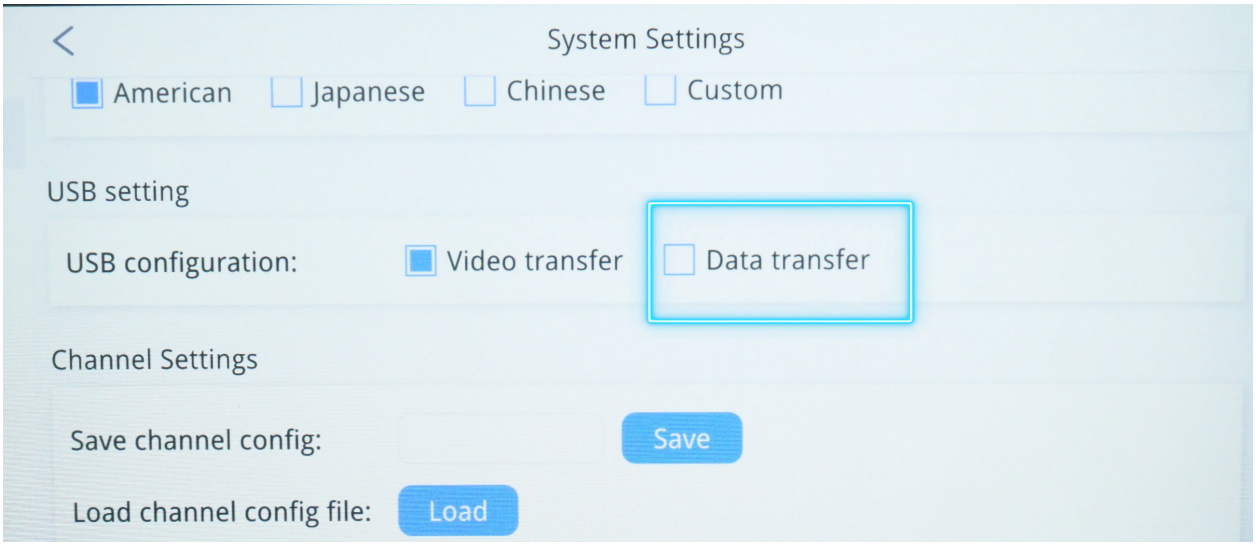
1.1. Click the "RCTool" and navigate to "Remote Controller" -> "System Settings."



1.2. Scroll down to "USB Settings," then tap "Video Transfer" under "USB Setting." The remote controller's Type-C port will function for charging.



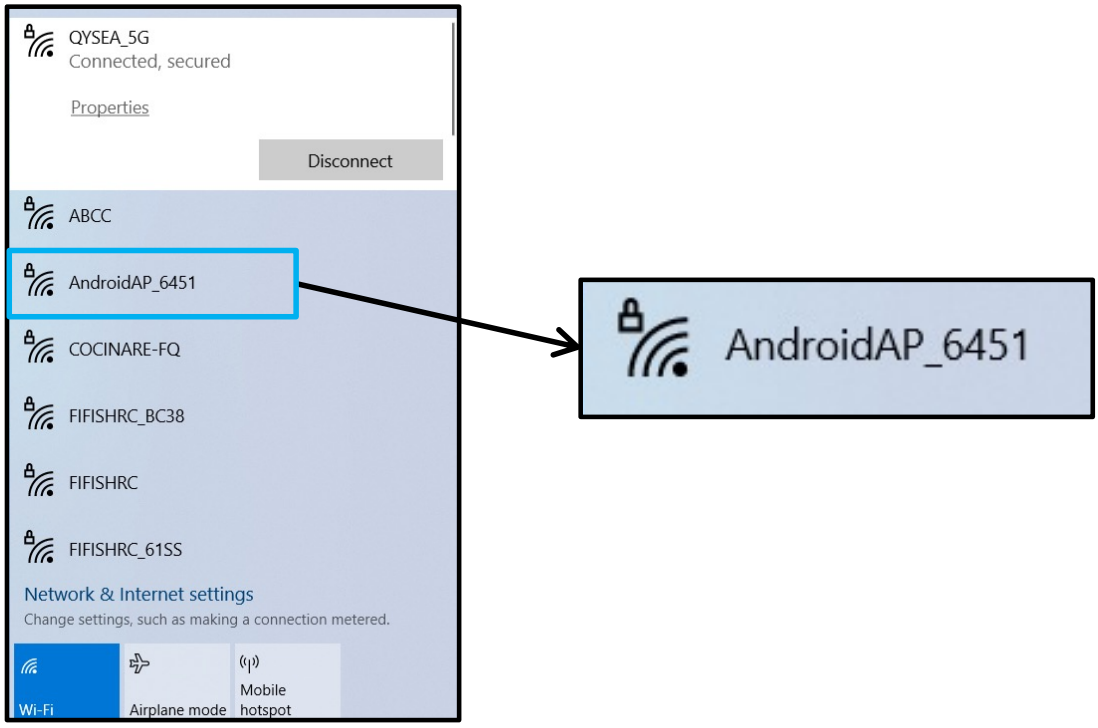
1.3. Select "Data Transfer" under "USB Setting." The remote controller's Type-C port will then enter data transfer mode for transferring data to the computer. (*Note: The USB-A port facilitates data transfer from the remote control to a USB flash drive or SD card reader.*)



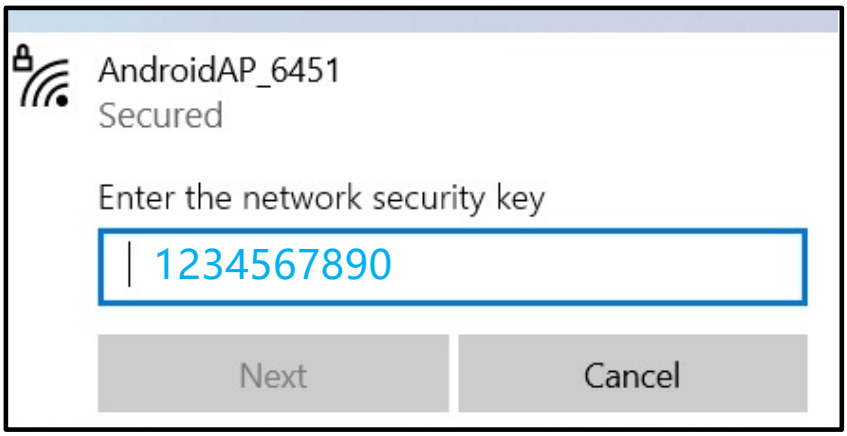
1.4. To check the firmware version, tap "Upgrade"; to view the display remote controller's serial number and hardware version, tap "Version."



1.5. For using specific computer software like QYMT, connect the computer to the remote controller's hotspot network.



1.6. To connect, join the remote controller's hotspot and input the password "1234567890."

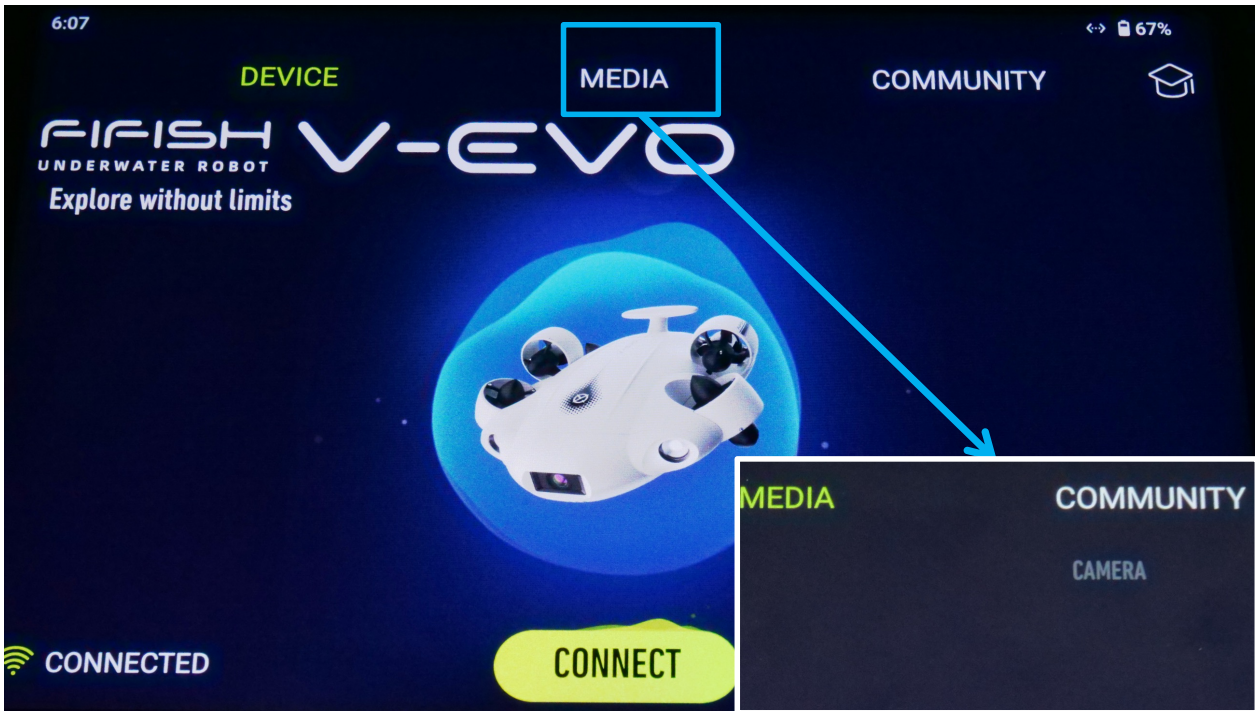


2. Data Copy (Method 1)

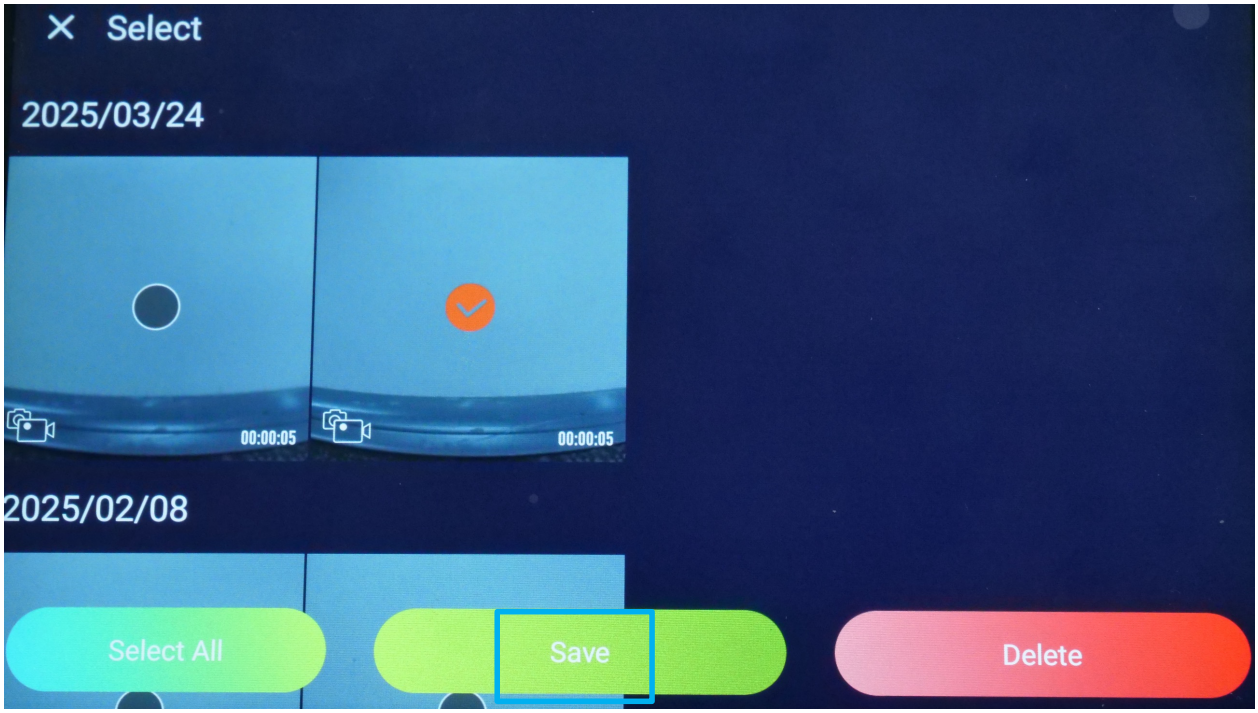
2.1. Insert the USB drive into the Type-A port before copying the data. (*Note: Please ensure the USB drive is formatted to FAT32.*)

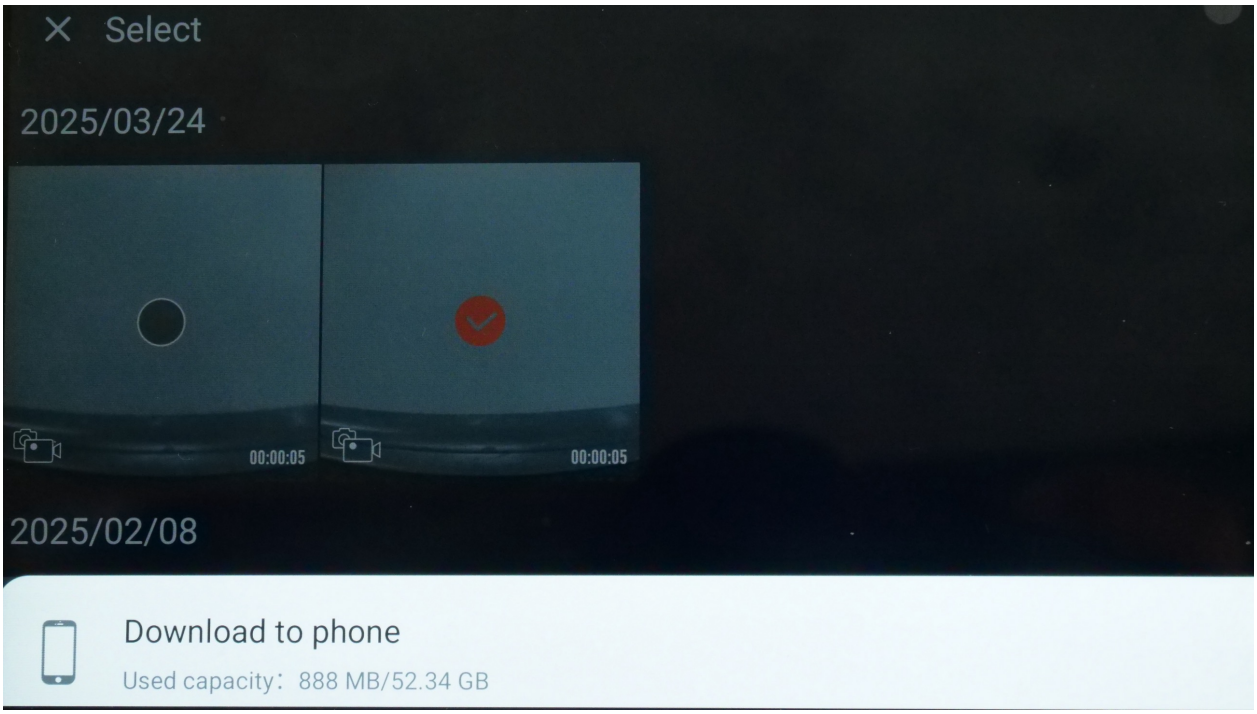


2.2. Open the FIFISH APP, tap “Media” to view, and select “Camera” to browse the data.

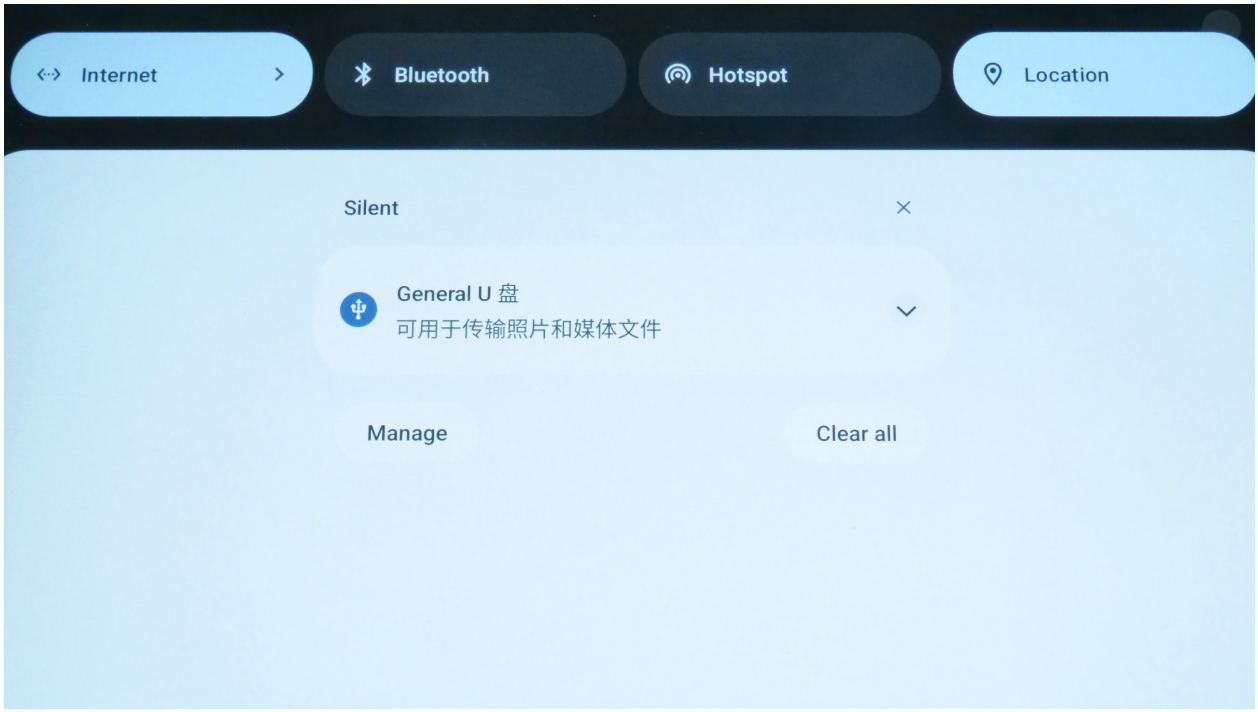


2.3. Press and hold to select the images or videos to be downloaded, then tap "Save" to begin the download. The data will be downloaded and saved in the DCIM directory of the remote controller.

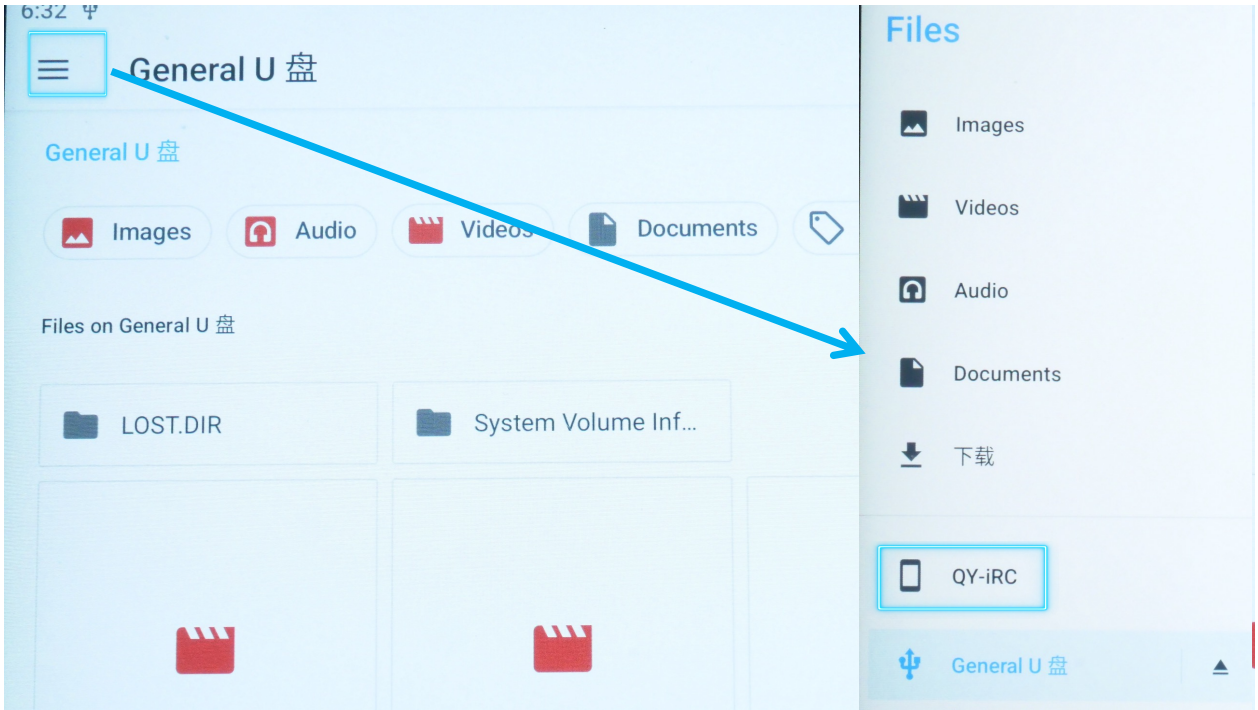




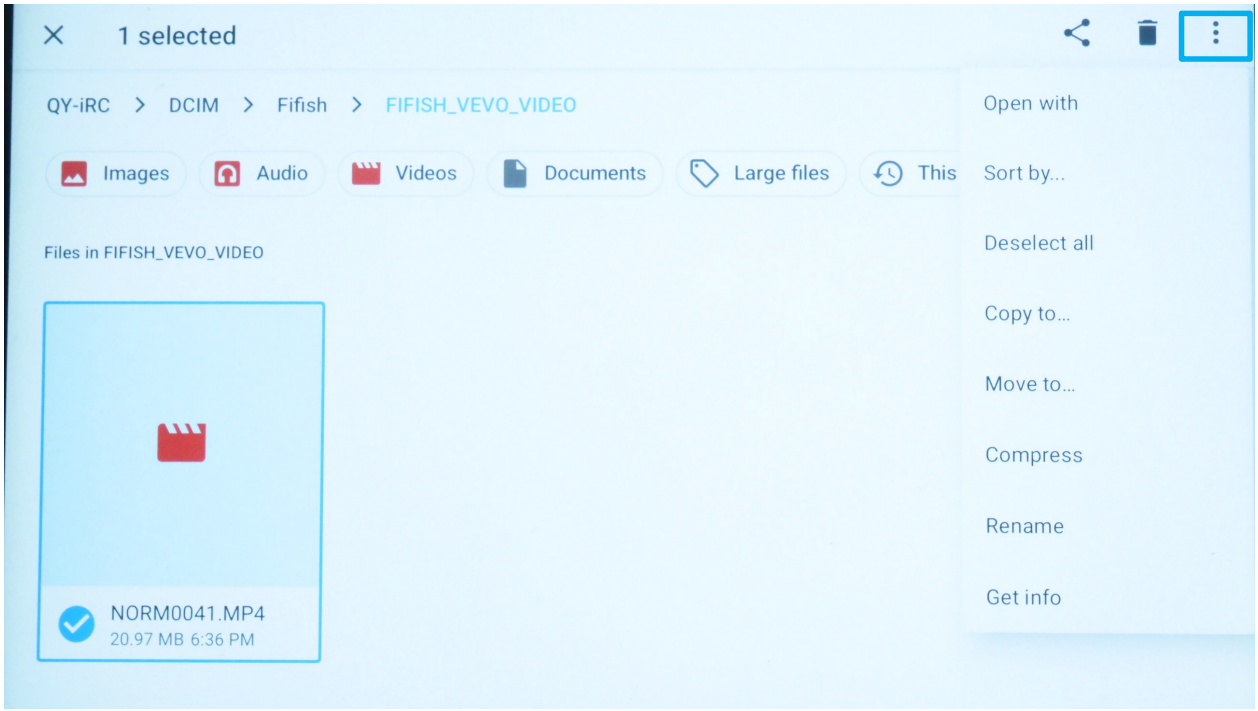
2.4. Swipe down on the remote controller screen, then select and open the “USB Drive” folder.



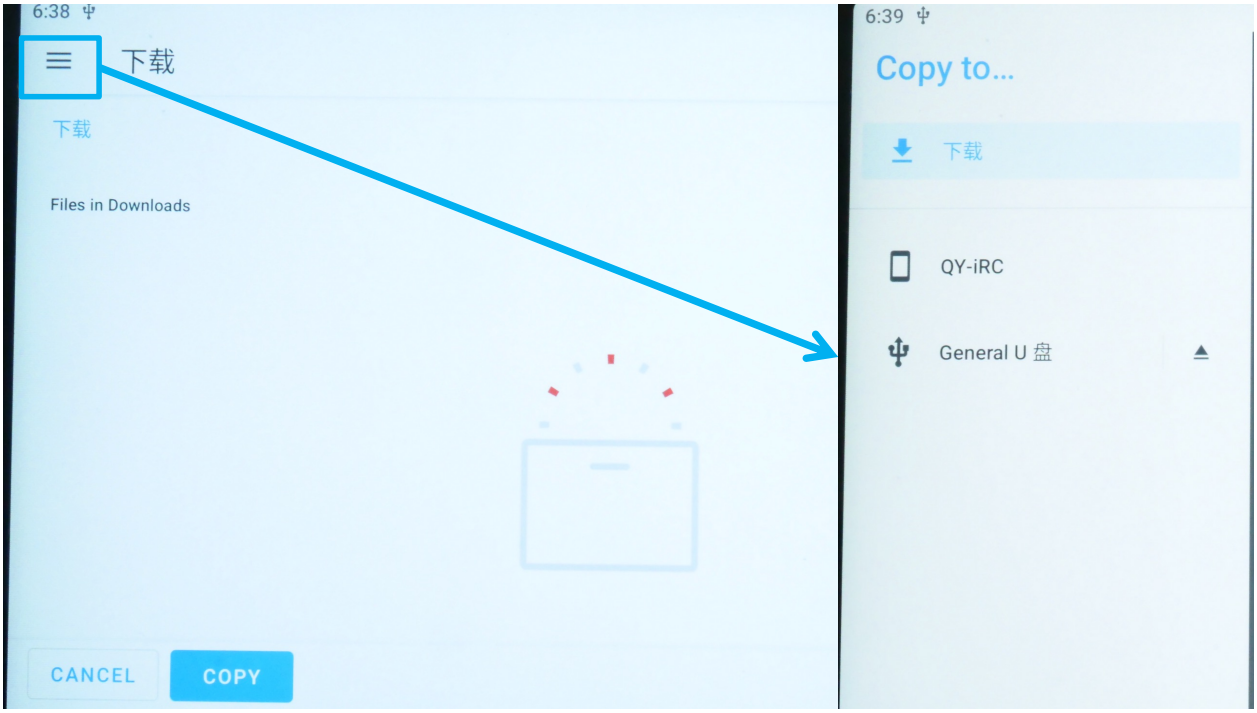
2.5. Tap the "Filter" icon in the top left corner and select Q-iRC.



2.6. Press and hold to select an image or video, tap the “More” button in the top right corner, and select “Copy to”.



2.7. In the top-left corner, tap the “Filter” icon and designate the storage location for the copied data.



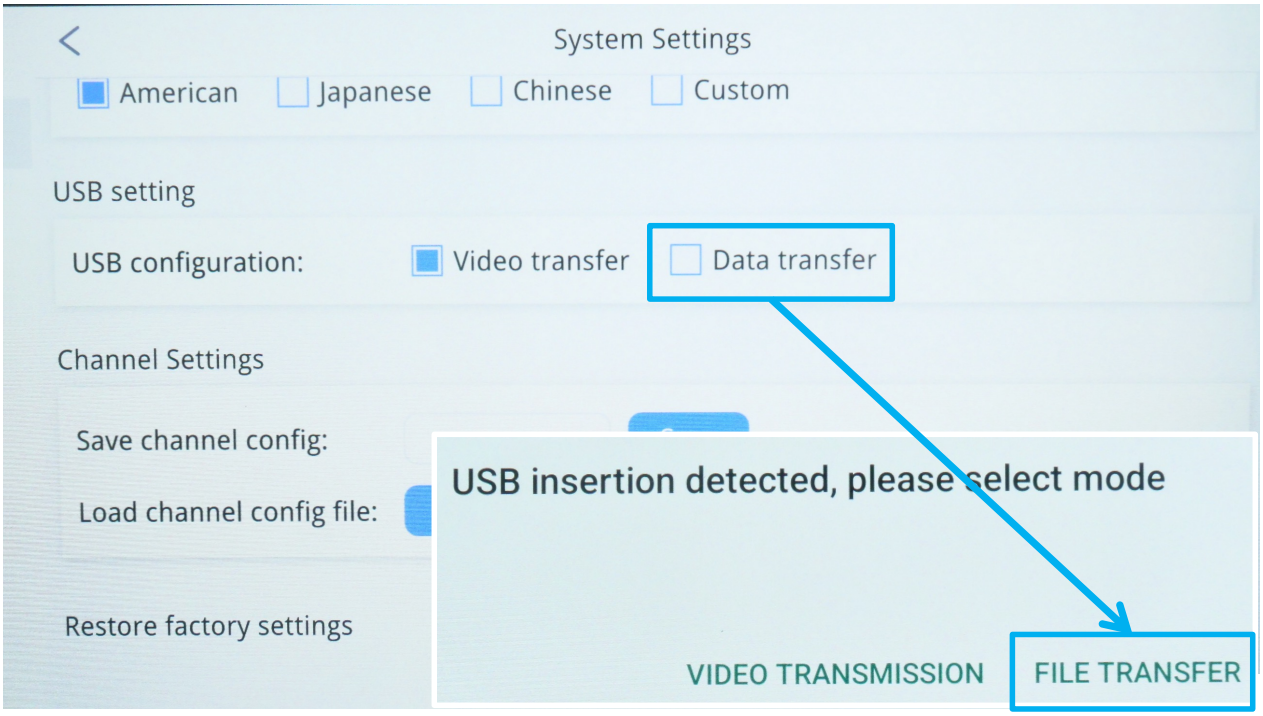
3. Data Copy (Method 2)

3.1. Prior to copying data, connect the remote controller to the computer using a Type-C cable.

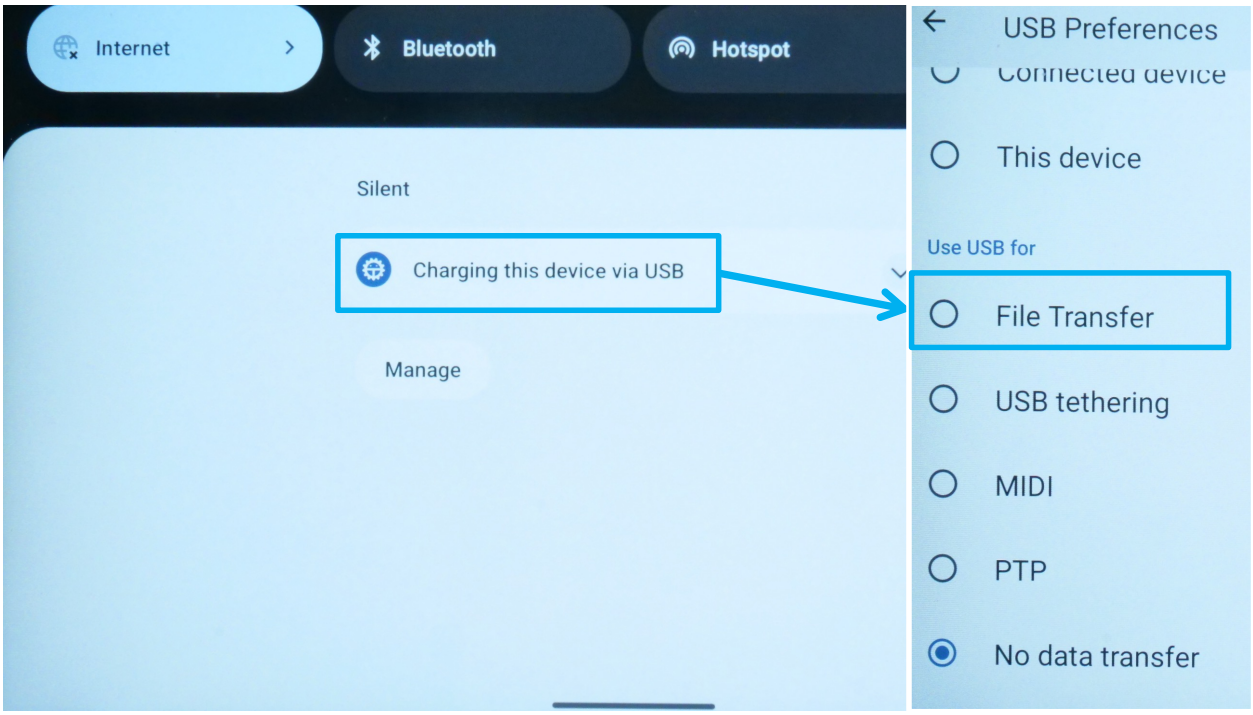




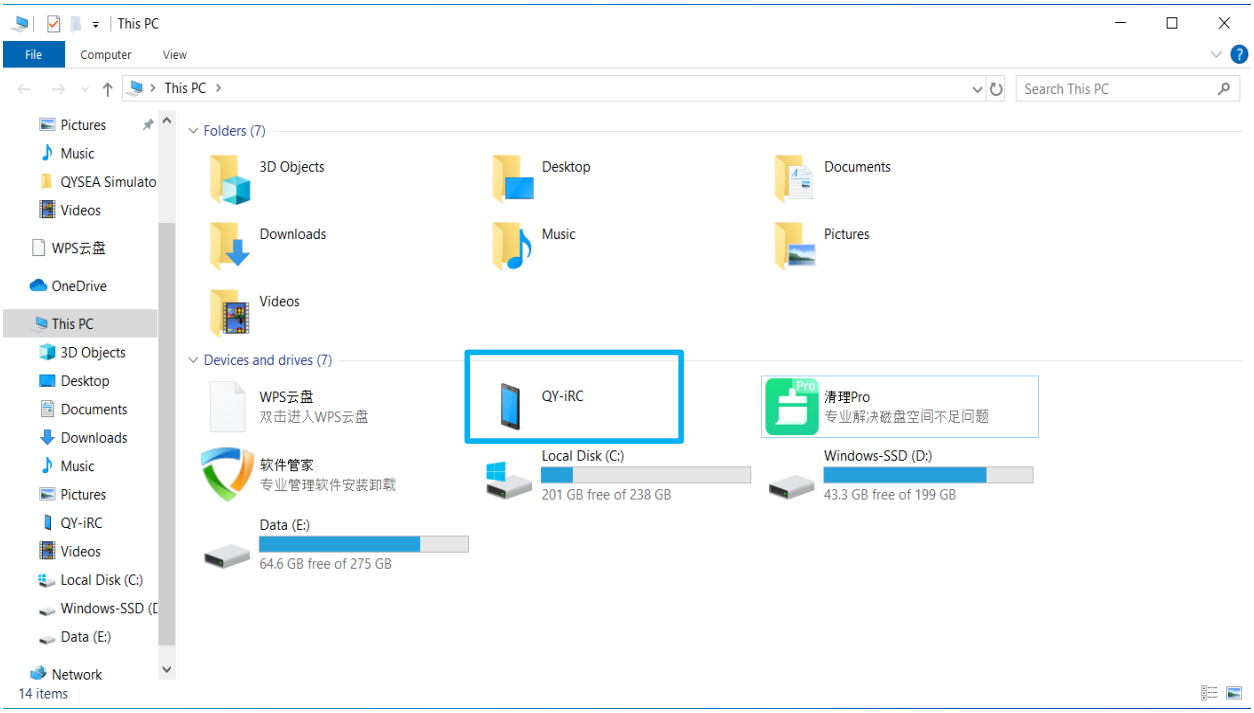
3.2. Open "RCtool," navigate to System Settings, and set the USB configuration to "File Transfer" mode.

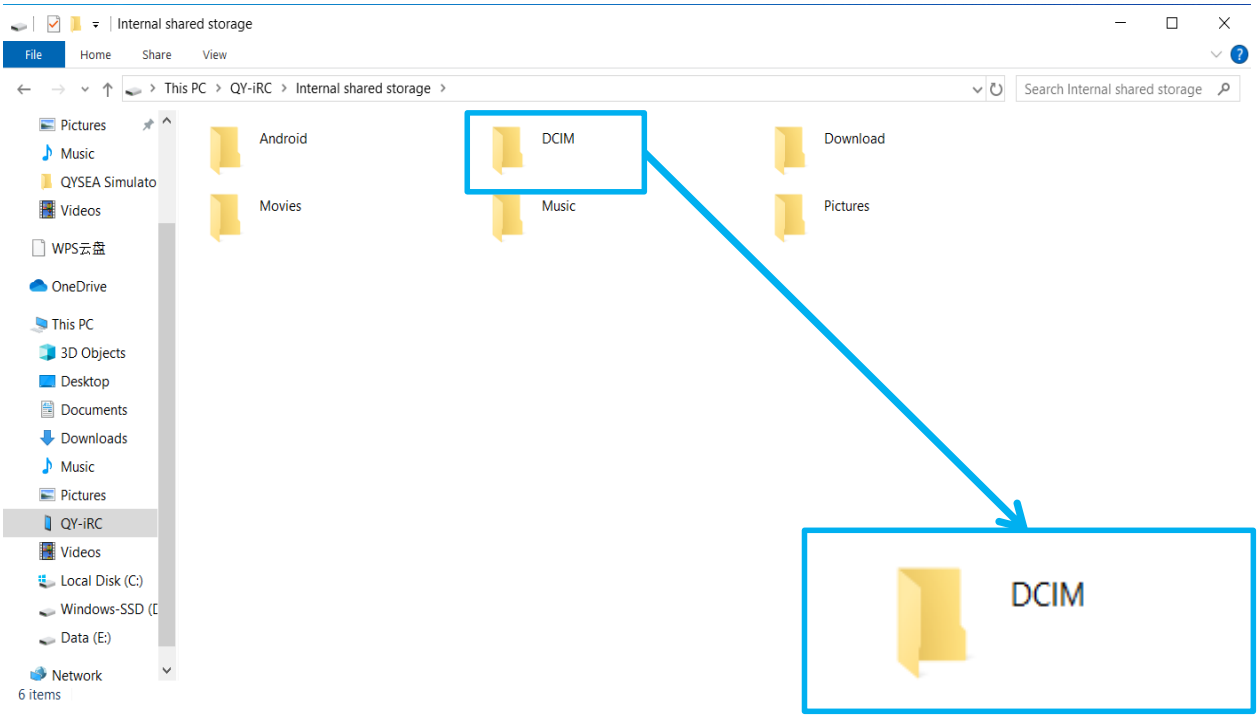


3.3. Swipe down to access the menu, select the USB connection option, and configure the USB preference to "File Transfer."



3.4. Navigate to the Q-iRC > DCIM folder on the computer to copy the necessary files.

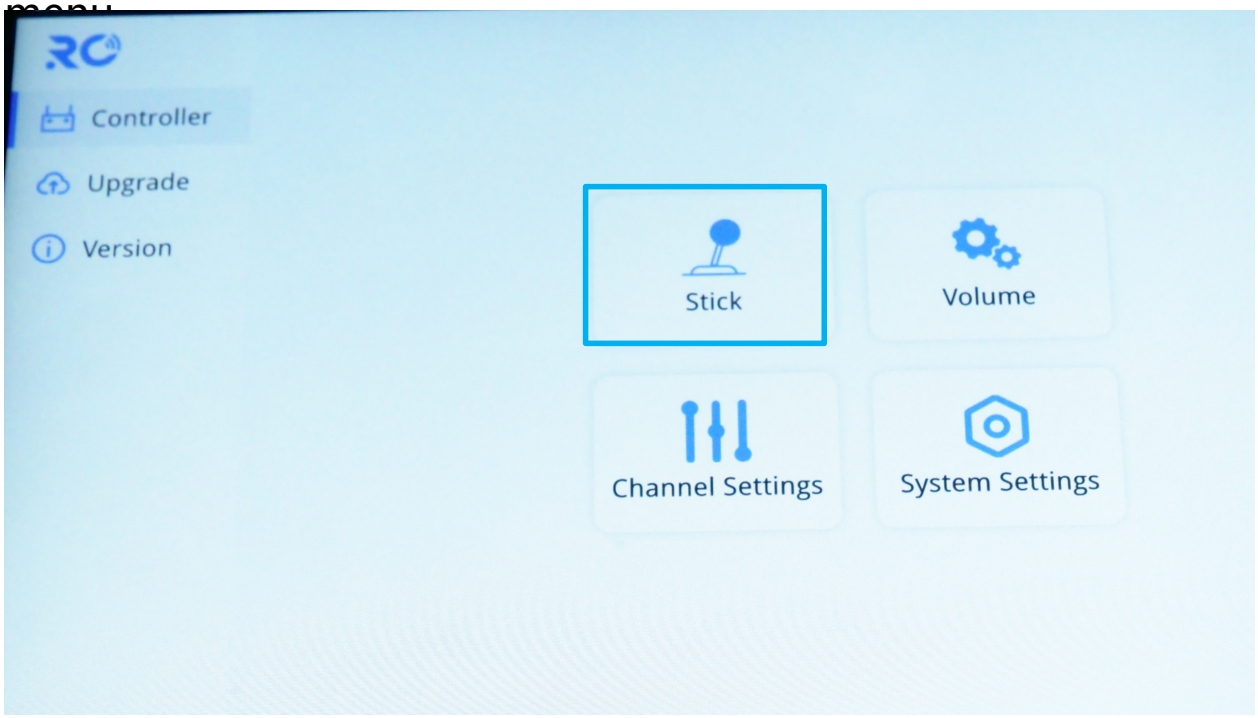




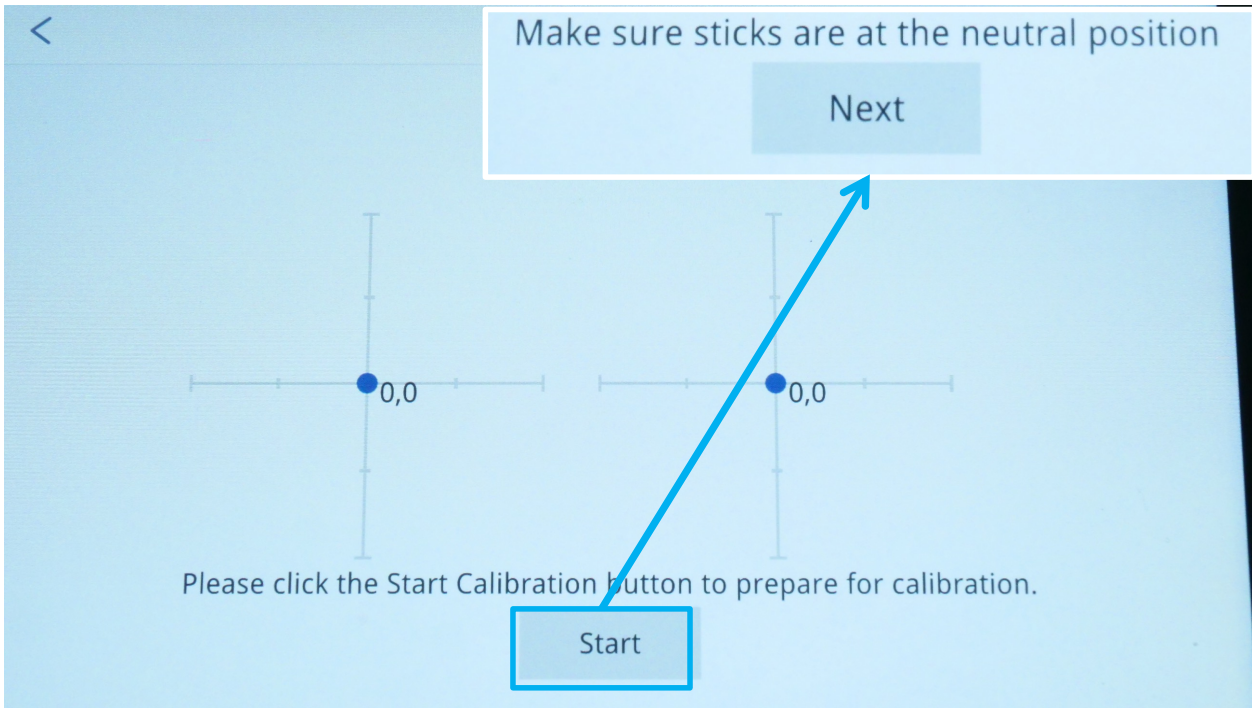
07/Calibration

1. Joystick Calibration

1.1. Open "RCtool", then select "Stick Calibration" from the menu.



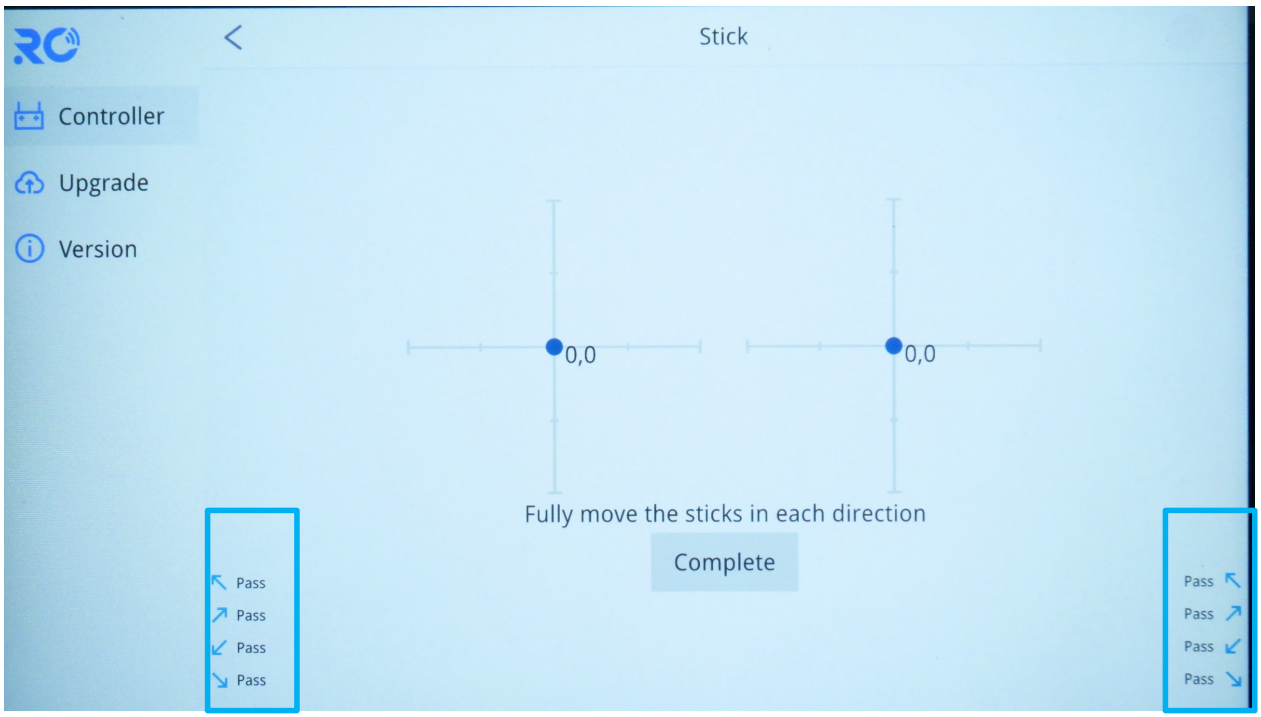
1.2. Click "Start Calibration," followed by "Next" to proceed.



1.3. Please follow the guidance of the red arrow icon on the screen to complete the joystick calibration.

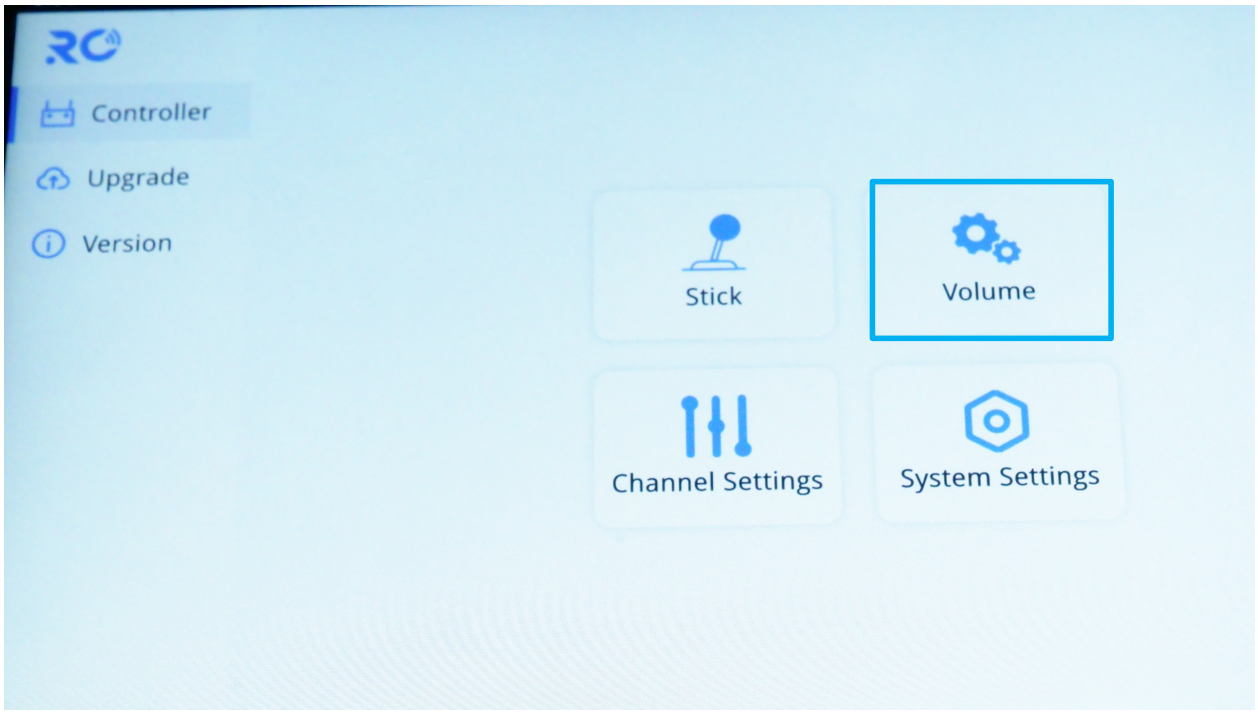


1.4. Once all red arrows turn blue, tap "complete" to finish calibration.

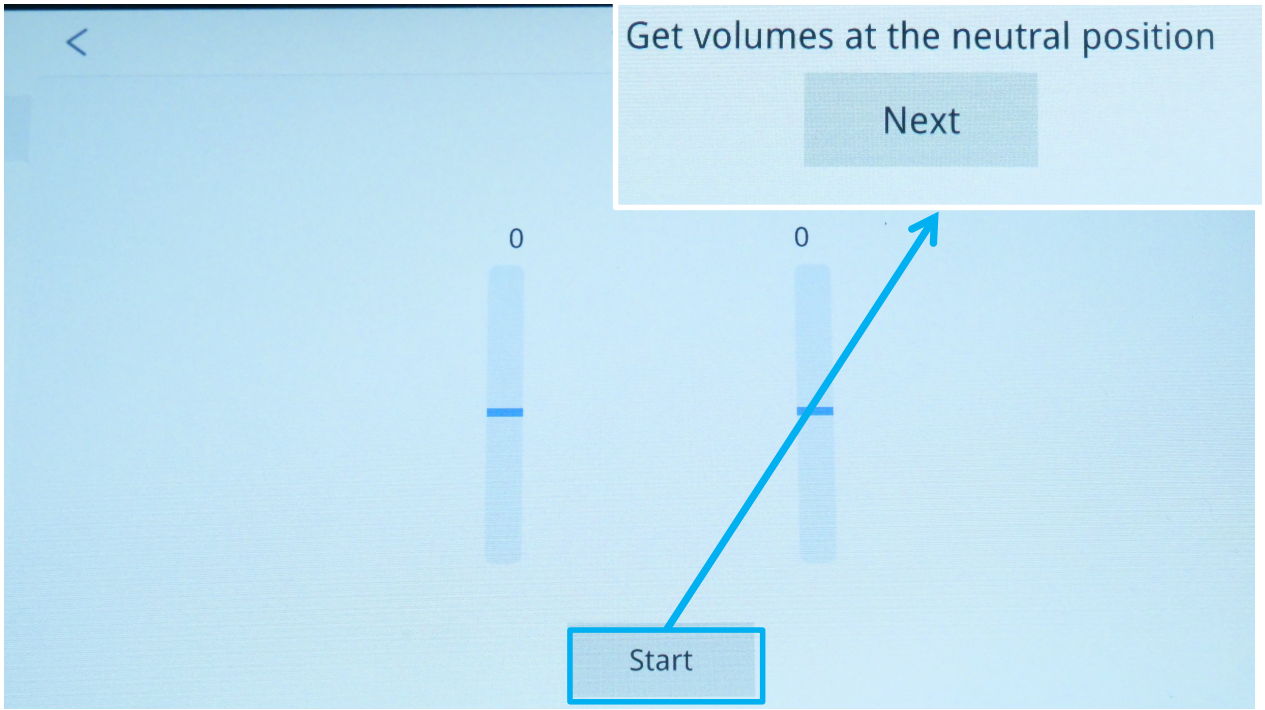


2. Scroll Wheel Calibration

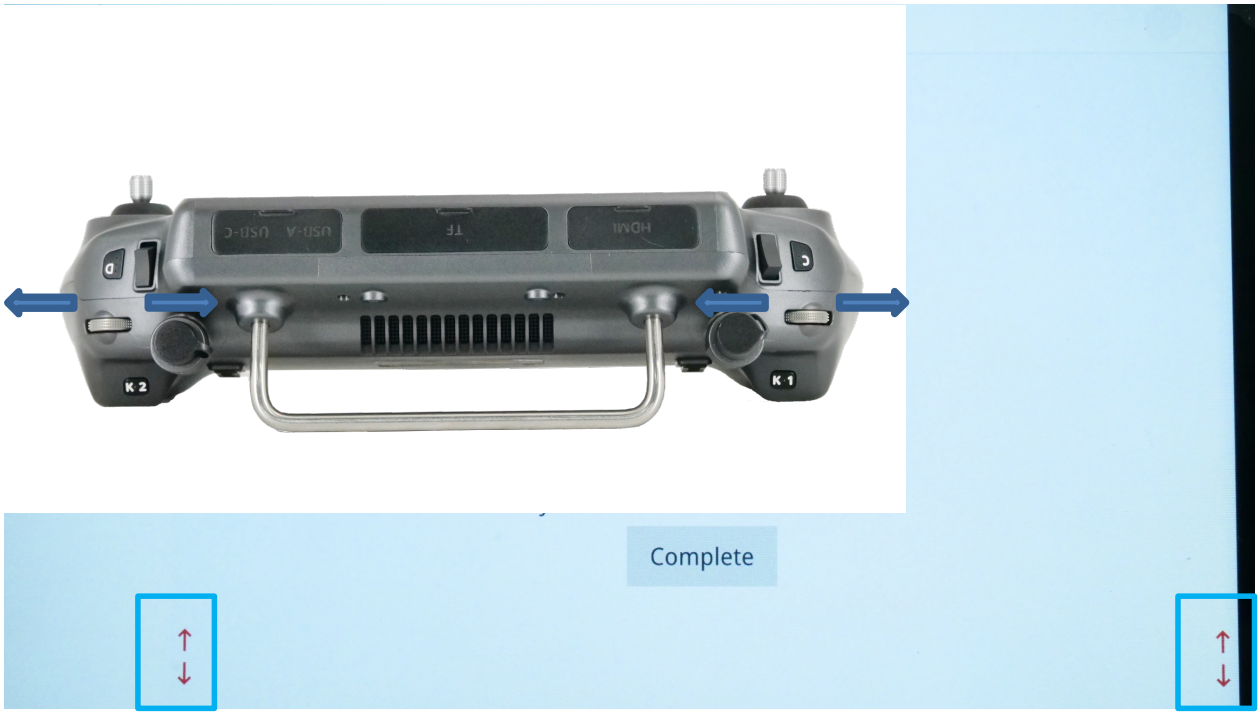
2.1. Tap "RCtool" and select the "Volume" option.



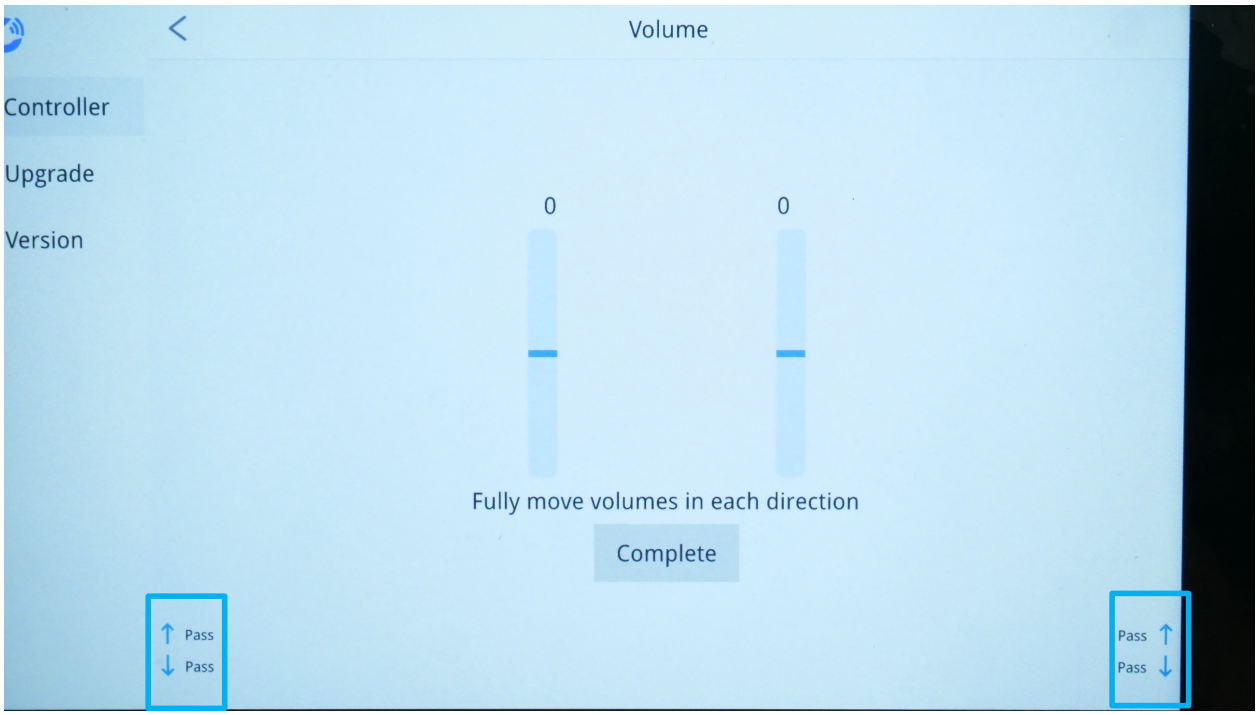
2.2. Click "Start Calibration," followed by "Next" to proceed.



2.3. Please follow the guidance of the red arrow icon on the screen to complete the joystick calibration.

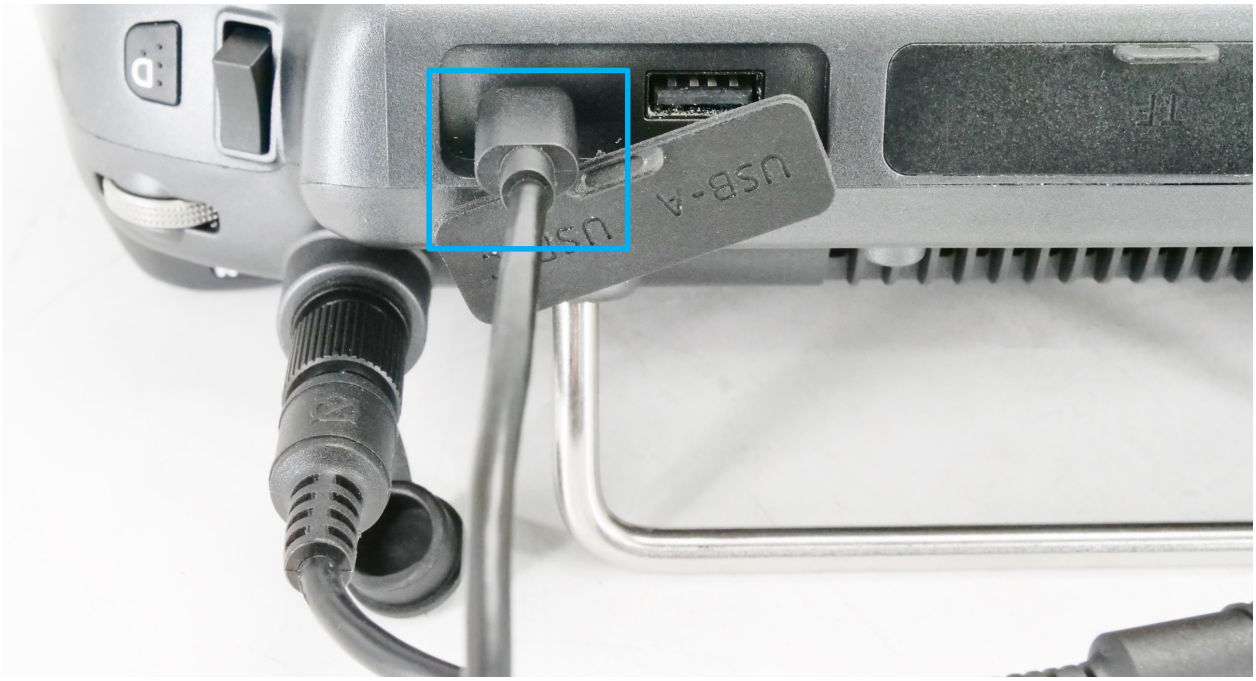


2.4. Once all red arrows turn blue, tap "complete" to finish calibration.



08/Charging

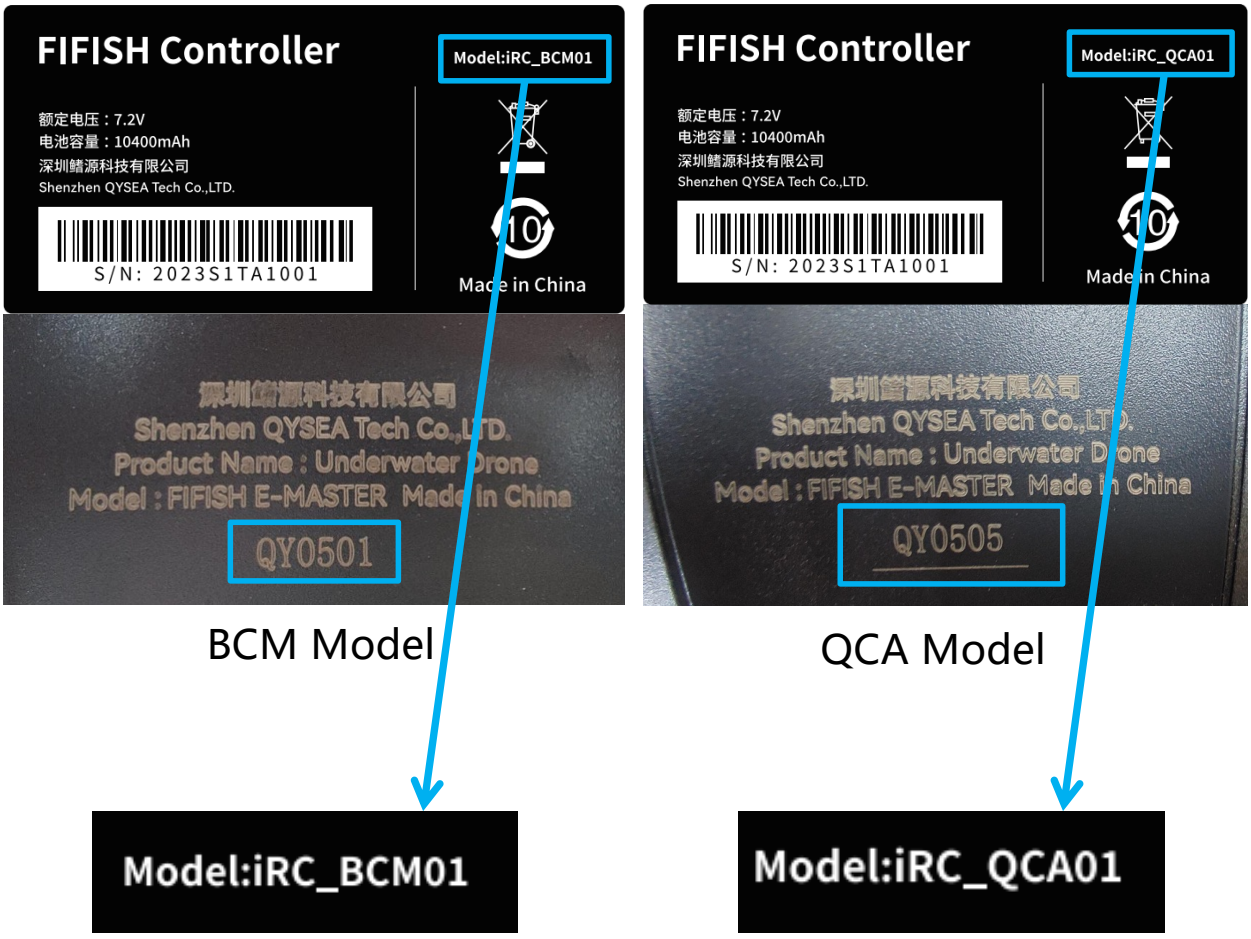
1. Insert the Type-C cable into the Type-C port on the remote controller. During charging, the indicator in the upper-right corner will flash alternately in yellow and red, indicating that charging is in progress. Once fully charged, the indicator will remain solid yellow.





09/Note

1. The screened remote is available in two models: BCM and QCA. Please see the image below for model identification.



Note:

- *All labels are located on the remote controller or the underside of the ROV.*
- *BCM corresponds to labels without an underline; QCA corresponds to labels with an underline. These models are not interchangeable. For example, BCM only supports underwater ROVs with labels without an underline on the underside.*

10/Maintenance and After-sales Support

Maintenance

1. All connectors (ports and plugs) shall be kept clean and dry and covered with protective caps if not in use.
2. Check the sealing parts and O-rings, and replace them if they are worn or damaged.
3. Please keep this product in a dry and cool place after usage.
4. After usage, please put the protective cover back on the submersible.
5. Usage in a strong acid/alkali environment may reduce the service life of the underwater ROV and its accessories.

After-sales support

If assistance is required, please reach out to QYSEA after-sales personnel.

1. Online customer service: you can find the entrance of customer services via the FIFISH APP, WeChat official account (FIFISH Underwater ROV) and the official website.
2. Contact number: +86-755-2266-2313 Working hours: Monday to Friday, 9:00-20:00 (GMT+8)
3. Email: support@qysea.com
4. If there is a malfunction issue, please record a video of the malfunction in advance, as well as providing the machine SN number and purchase invoice, so that we can provide you with a solution faster.

For more information about FIFISH Authorized Service Center, please visit https://www.qysea.com/support/repair-center/

11/Disclaimer

We provide after-sales services to our customers, except for the following situations:
Collision damages caused by non-manufacturing factors, including but not limited to user faults.
Damages caused by unauthorized modification, disassembly, or opening of the enclosure that is not in accordance with official instructions or manuals.
Damages caused by improper installation, improper use or operation not in accordance with official instructions or manuals.
Damages caused by unauthorized service providers.
Damages caused by unauthorized modification of circuits and mismatch or misuse of the battery and charger.
Damages caused by underwater operations without following the instructions and manual recommendations.
Damages caused by working in harsh water conditions (such as strong acid, strong alkali, strong current, huge waves, etc.).
Damages caused by product operations in an environment with electromagnetic interference (namely, mining areas or the areas near radio towers, caves, muddy areas, environment with radiation, tunnels, etc.).
Damages caused by operating the product in an environment that is interfered by other wireless devices (namely, transmitters, video downlinks, Wi-Fi signals, etc.).
Damages caused by forced diving with aging or damaged components.
Damages caused by using unauthorized third-party parts that have reliability or compatibility issues.
Damages caused by operating equipment with insufficient power or defective batteries.
Continuous or error-free product operation
Loss or damage of user data caused by the product
Any software, no matter it is provided with the product or subsequently installed.
Failures or damages caused by any third-party products (including products that QYSEA may provide or integrate into QYSEA products at the request of users).
Any damage caused by non-QYSEA technology or other support (for example, the support for solving the "operation method" problem or incorrect product settings, installation and firmware upgrades).
Damages caused by operating the ROV in sensitive areas (such as military areas, natural resource reserves, marine reserves, marine conservation areas, etc.).
Damages caused by unpredictable factors (such as water flow, cave collapse, animal swallowing, etc.).
Products or parts whose identification labels have been changed or without identification labels
Do not place heavy objects on the product, and handle it with care.
Water droplets or stains on the ROV may be caused by testing in the water in the manufacturing plant, which will not affect the characteristics and functions of the FIFISH underwater ROV.
For more information, please view the explanation video on our website, or refer to the FAQs section in "FIFISH Application/Help/FAQs".
For the latest version of the user guide/manual and other instructions, please visit our website.
https://www.qysea.com/support/user-manual/
Please email us via support@qysea.com to contact our technical support

Notice:

This content is subject to change without notice.