User Manual for Metal Detector

QYSEA

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01/Packing List

Serial Number	Item Name	Quantity	Unit
1	Metal Detector	1	PCS
2	M3*8 Screws	3	PCS
3	User manual	1	PCS

This instrument is suitable for detecting magnetic or nonmagnetic metals. When magnetic or non-magnetic metal enters the detection range of the sensor, the instrument status light will flash in green and red. Easy installation is its outstanding advantage.

02/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 QY safety rules may result in the consequence that your safety and interests cannot be guaranteed.

1.Regarding the damages to accessories and underwater vehicle caused by unauthorized modification, disassembly or opening in violation of regulations, or damages to accessories and underwater vehicle caused by improper installation, improper use or operations not in accordance with official regulations, QY doesn't bear any legal responsibility and the warranty will also be ineffective.

2. When installing the accessories, the underwater vehicle shall be shut down.

3. Please check whether all the parts are complete. If there is any part missing, please contact QY 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.

03/Product Specification

Item	Specification
Detected distance	50 mm
Work temperature	-5℃~35℃

04/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. Before connecting the Metal Detector with the underwater vehicle, the underwater vehicle shall be powered off.
3. Check the battery level of the underwater vehicle to ensure that there is sufficient and stable power.
4. Before entering the water, please check whether the probes and connectors of the accessories are tightly sealed.
5. When connecting the connectors on the underwater vehicle, they must be aligned with the positioning pin, forcible inserting may cause damage to the connector.
6. Check whether the underwater robot and the remote control are working normally when connected to the connector on the underwater vehicle.
7. Check the batteries of mobile phones, tablet PCs and laptops.
8. After-sales Support mailbox: support@qysea.com

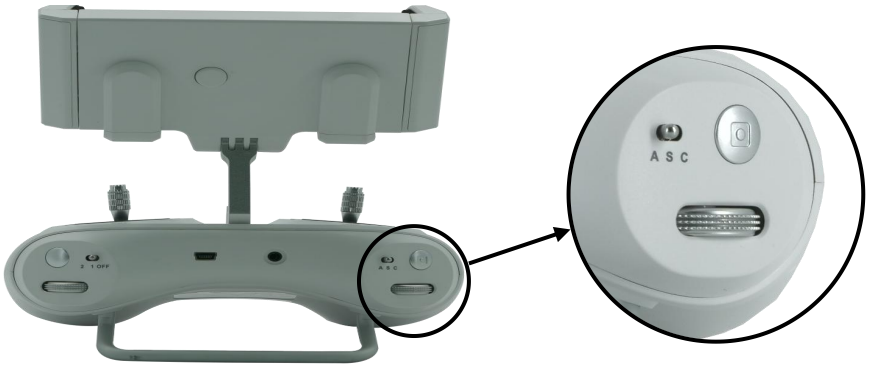
1. Unscrew and remove the cap located at the bottom of Submersible

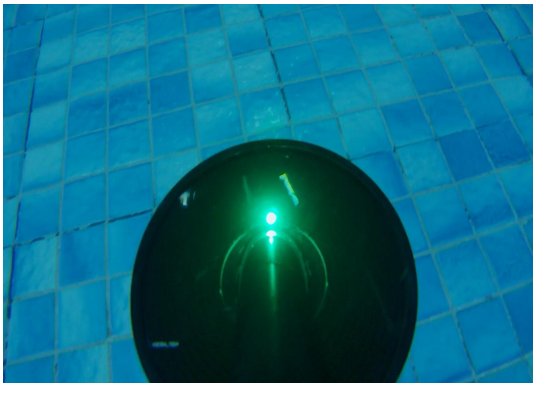
2. Place the Metal Detector directly at the bottom of ROV
Align the bracket of the Metal Detector to the FIFISH ROV accordingly

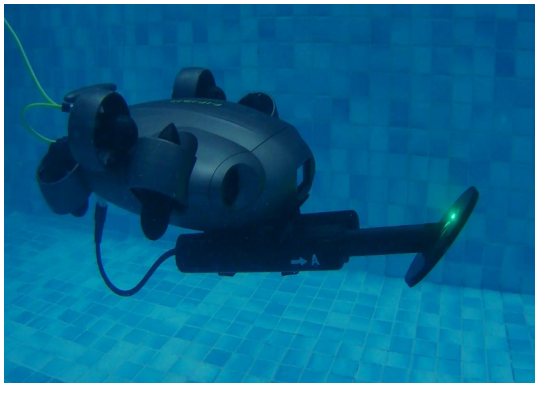
3. Secure attachment of the Metal Detector with the screws
Ensure the attachment is not loose

4. Open the protective cap located at the bottom of the ROV
Connect the attachment accordingly and tighten the screw

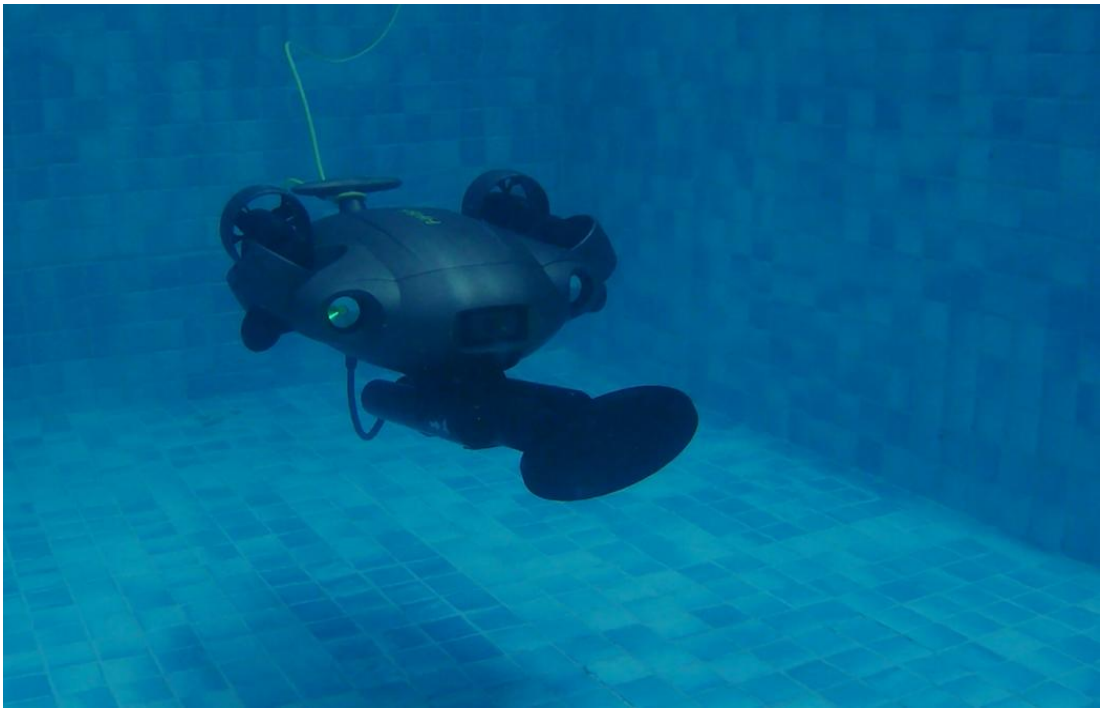
5. Switch the remote control to **Mode A**
The LED of Metal Decector will show in green after connection



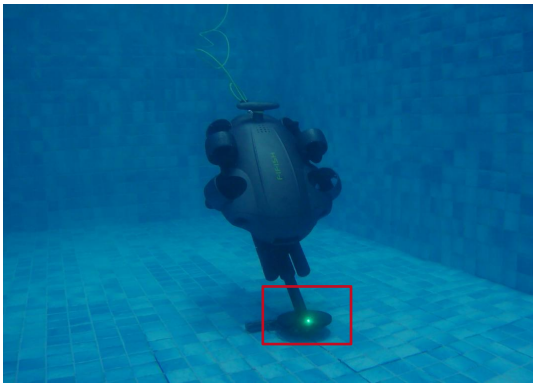


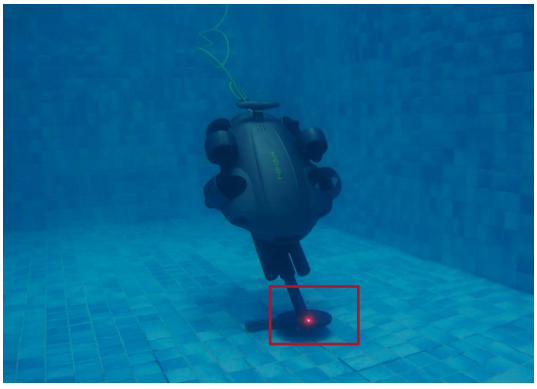


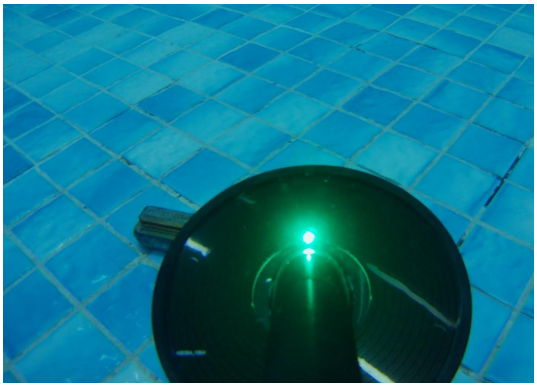
6. Control the ROV and move to the search area

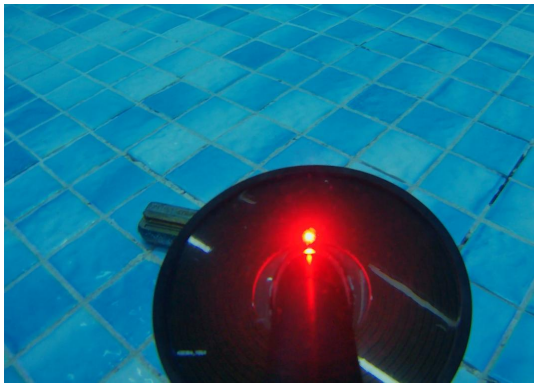


7. When the metal objects are covered by the Metal Detector, the LED light will splash in red and green.









07/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 rubber sealing washers, and replace them if they are worn or damaged.
3. Please keep the product in a dry and cool place after usage.
4. Handle the metal detector gently and carefully. Dropping it can damage electronic components.

After-sales support

If needing any help, please contact QY after-sales personnel

1. Online customer service: you can find the entrance of customer services via the FIFISH APP, WeChat official account (FIFISH Underwater Robot) and the official website.
2. Contact number: +86-755-2266-2313 Working hours: Monday to Friday, 9:30-19:00
3. Email: support@qysea.com
4. If there is a machine malfunction, please record the malfunction video 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/

08/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 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 robot.
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.