



MANUAL VERSION 2



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LEGAL DISCLAIMER

Trademarks used in this guide, Aquabotix and AquaLens Pro, are trademarks of Aquabotix Technology Corporation. Other names mentioned in this guide may be trademarks or registered trademarks of their respective owners. The purpose of this manual is to provide AquaLens users with a clear understanding of operating procedures. If further information is needed, contact Aquabotix at support@aquabotix.com or 508.676.1000.

website: www.aquabotix.com

Aquabotix reserves the right to make changes to the specifications of the AquaLens PRO at any time without notice. Also, Aquabotix may alter any or all documentation without notice.

LEGAL DISCLAIMER

Important Safety Instructions

Assemble and use AquaLens PRO only as instructed by this manual.

Read and follow these important safety instructions and the detailed assembly in this manual prior to using the AquaLens PRO.

Follow all safety and operational warnings and heed all additional restrictions on use.

Refer all non-routine service issues to Aquabotix at www.aquabotix.com or support@aquabotix.com.

Safety and Operational Warnings

Assemble AquaLens PRO in a safe, dry place. Do not assemble while submerged in water or allow AquaLens PRO to get wet before it is fully assembled and enclosed in the watertight dome. Do not assemble with wet hands.

AquaLens PRO is powered by lithium ion batteries. Do not use any other type of battery or powering device for AquaLens PRO. Caution should be used when charging batteries.

Do not attempt to charge batteries in AquaLens PRO while submerged in water. Do not let the battery assembly area get wet. Do not assemble with wet hands.

The AquaLens PRO dome must be completely secured to keep it watertight. Check the security of the dome before submersion.

The topside box and LCD screen are waterproof to 10ft. depth. Do not submerge the topside box deeper than 10ft.

AquaLens PRO is meant for depths no greater than 300ft. from the water surface. Do not go beyond this depth due to limitation as operational safety is not tested and rated for such depths.

Secure all cables on board to prevent tripping hazards.

Inspect AquaLens PRO prior to use. If there is any sign of water inside the camera or housing unit or other damage, do not use. Send AquaLens PRO to Aquabotix for service.

Do not attempt to dislodge or pry foreign objects from AquaLens PRO. Send AquaLens to Aquabotix for service.

Additional Restrictions On Use

AquaLens PRO is meant for operation by adults over 18 years of age only. Keep AquaLens PRO out of the reach of children and supervise children and pets when AquaLens PRO is in operation.

Do not use AquaLens PRO in rain, rough sea conditions and/or storms. Do not use AquaLens PRO while underwater machinery is in operation.

Do not touch AquaLens PRO to underwater marine growth. Keep AquaLens PRO clear of all underwater objects.

Do not expose AquaLens PRO to high temperatures above 40° C / 104° F; avoid direct sunlight.

Use AquaLens PRO in the recommended operating water temperature range of 2° C / 35° F to 32° C / 89° F.

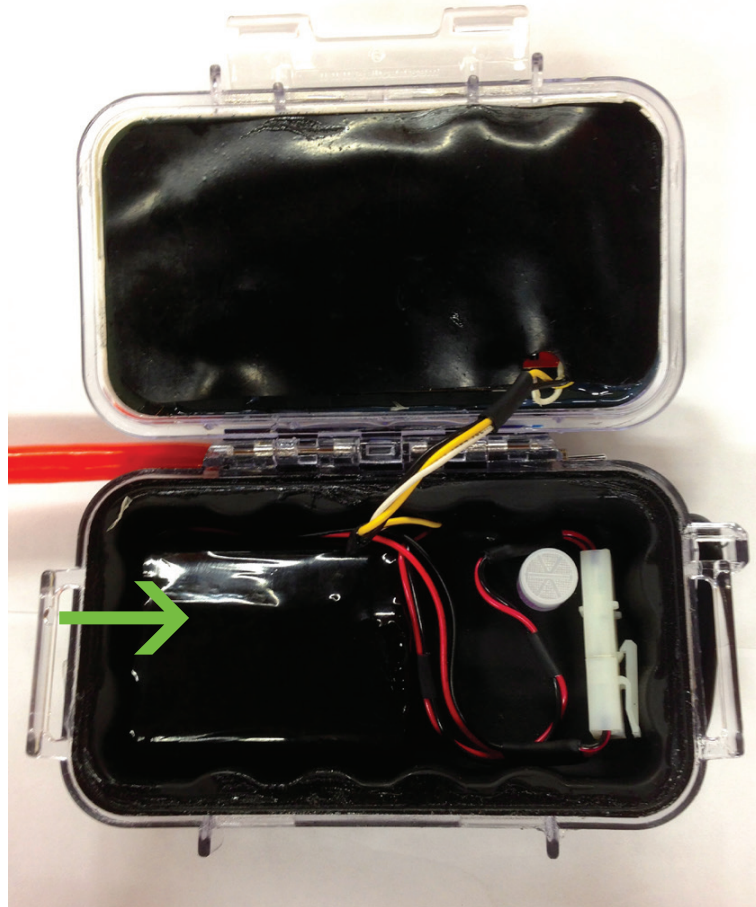
Dropping AquaLens PRO or subjecting it to strong force may damage the device and its watertight dome. Handle with care.



Failure to follow these important safety instructions and the detailed assembly and use instructions of this manual will void your limited warranty from Aquabotix and may result in serious injury or death. Aquabotix disclaims all liability arising from or caused by the failure to assemble and use HydroView in accordance with this manual, including all important safety instructions.

Caution: The electronics contained within this topside box are susceptible to water damage. The following must be done to prevent water entry; Prior to closing the lid, all water droplets around the sealing edge must be removed. When closing this lid, all wires must remain clear of container's sealing edge. Please ensure the battery is on the left side of the box when the hinge is at the top.

**Place
Battery
Here**



Please note: The sealing edge of the topside box has been treated with lubricant to keep the seal water tight. Be sure this lubricant remains clean to ensure a water tight seal. A silica moisture absorbing pack has been included in the topside box. This pack needs to be kept in the topside box at all times. It should be kept to the right of the battery and should not sit on any of the wires.

CHAPTER 1 - SYSTEM

General System

Operating Voltage	- 9.6 to 12 vdc
Total System Weight	10 pounds
Owners Manual	Online Digital
Warranty	1 year limited-defects in materials or workmanship

Viewing Sphere

Depth Rating	300 ft. (91.4 m)
Size	5 in. diameter
Weight	3 pounds
Lighting	High Intensity LED

Camera

Format	NTSC
Resolution	640 X 480 pixels

Topside box

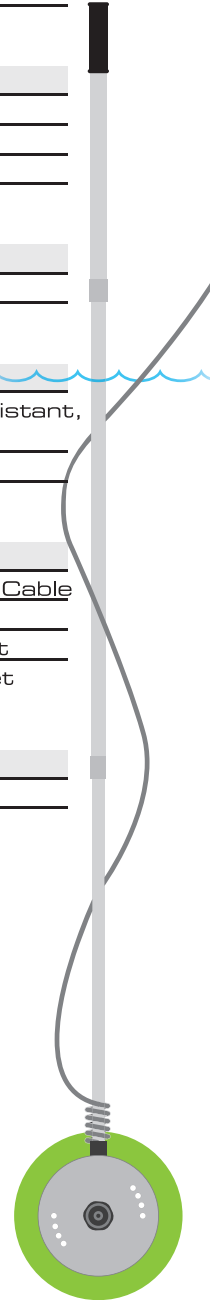
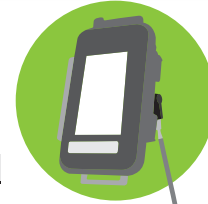
Housing	Waterproof to 10 feet, shock resistant, floats
Connector	Buccaneer Connector IP68
Monitor	3.5" inch LCD screen

Tether

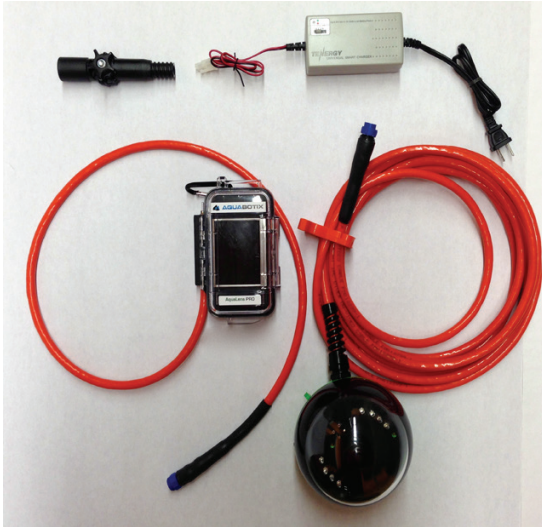
Material	Kevlar Reinforced Premium Video Cable
Breaking Strength	300 pounds
Protection	Flexible Polyurethane Outer Jacket
Connector	Waterproof (IP68) Plug and Socket with Extensions Available

Available Options

Extension Cable	Available in 50 ft. increments
Viewing Station	7" LCD Viewing Screen with DVR capability



PACKAGE INCLUDES

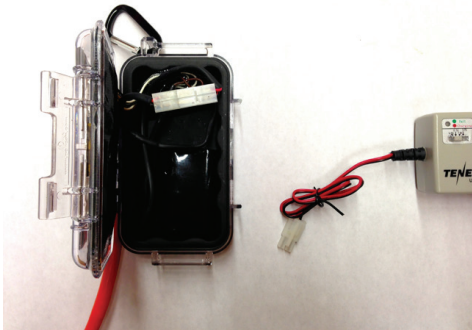


PACKAGE INCLUDES:

- Viewing sphere with 25 ft. of cable attached
- Waterproof topside box with cable connector
- ACME threaded angular adapter for pole mounting
- Battery charger

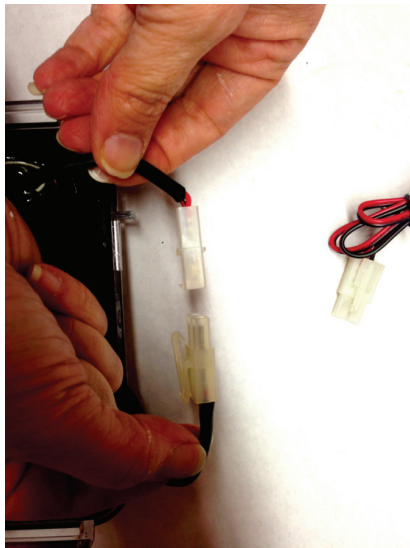
Your AquaLens PRO has been charged before shipment, however you should charge the unit fully before use.

CHARGING



CHARGING STEP 1

Unclip the topside box to access the battery pack



CHARGING STEP 2

Disconnect the cable connectors inside the topside box.



CHARGING STEP 3

Connect the clip from the battery charger to the male end of the clip from inside the topside box.

Plug the charger into a wall outlet until fully charged.

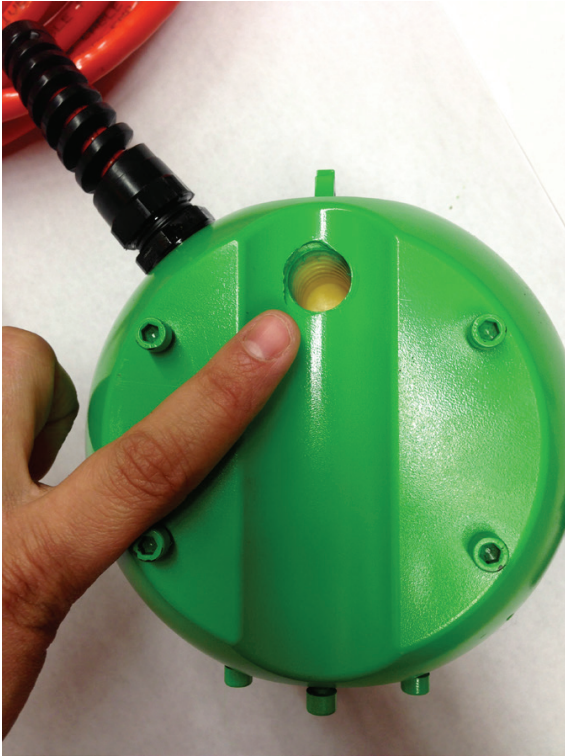


CHARGING STEP 4

When the AquaLens PRO is powered on, lights will illuminate at the top of the topside box.

All lights including green indicates good operating power.
Two lights including yellow indicates low operating power.
Only red indicates immediate need for recharge.

POLE ATTACHMENT



POLE ATTACHMENT STEP 1

Locate the threaded hole in the back of the viewing sphere.



POLE ATTACHMENT STEP 2

Screw in the ACME angular adapter into the hole clockwise until tight.

Now you will be ready to screw in the desired pole for use.

UNIT ASSEMBLY



UNIT ASSEMBLY STEP 1

Locate the cable connectors on the cable coming from the viewing sphere and the topside box.

Please note: there is a small notch in the female connector that needs to be lined up with the bump in the male connector.



UNIT ASSEMBLY STEP 2

Insert the two ends together and twist the blue ring onto the threaded side until tight.



UNIT ASSEMBLY STEP 3

After the cables have been connected, you can power the unit by flipping the toggle switch on the topside box. This toggle switch has 3 options: Off, On or On with LED lighting.

You are now ready to use your unit.

MAINTENANCE

Cleaning Dome

Using an acrylic glass cleaner, spray onto surface of dome and rub in with a microfiber cloth.

After Water Care

1) Rinse AquaLens PRO with fresh water. 2) Wipe down, using a microfiber lens cleaning cloth. 3) Safely store AquaLens PRO---cover dome to protect from scratches.

TOPSIDE VIEWING STATION - Optional



PACKAGE INCLUDES:

Viewing Sphere with 25 ft. of cable attached

Topside Viewing Station with:

7" LCD screen

Power Control Box

Remote Control

Connector Cable

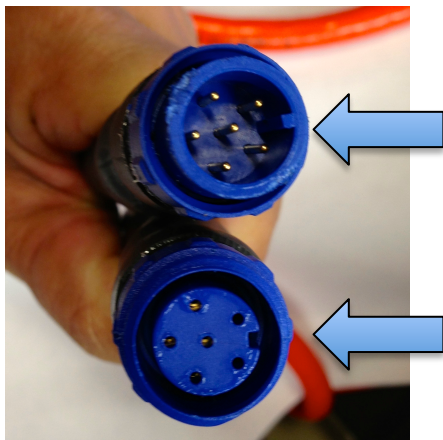
Battery Power with recharge plug

Waterproof Carrying Case



STEP 1 Charging

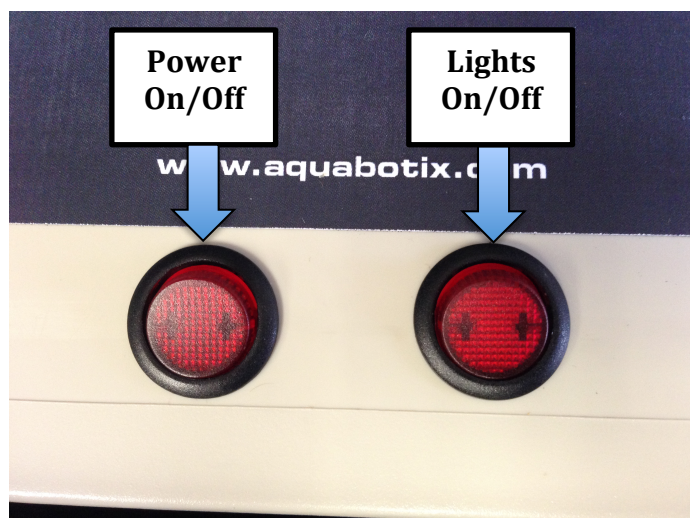
Your AquaLens PRO has been charged before shipment, however you should charge the unit fully before use. Plug the black wall plug into your outlet. It takes approximately 12 hours to fully charge the battery. The unit should be charged while powered off.



STEP 2 Connection

Connect the cable from the topside viewing station to your AquaLens Pro cable. [see image at left]

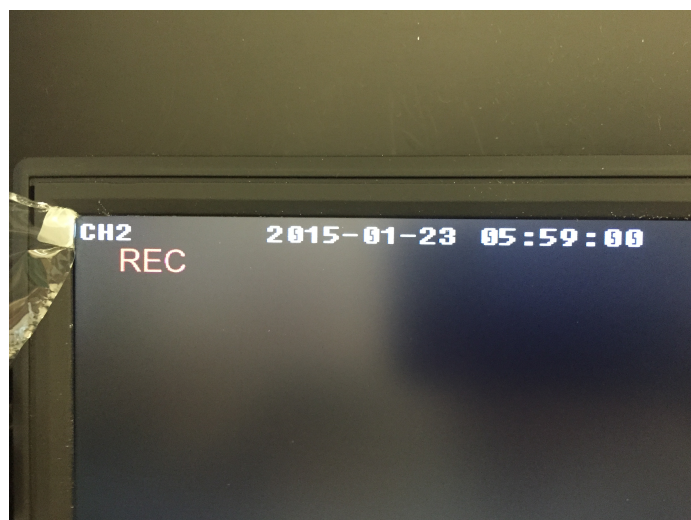
The notch in the connector must align with the groove in the other connector. After inserting the connectors together, be sure to twist the fastener ring until tight.



STEP 3 Power ON

Turn the power on by flipping the left switch. To turn on the LED lights, flip the right switch.

After powering the unit on, you will be able to see the live video feed on the monitor.



STEP 4 Recording

The screen will show 4 different channels upon startup. Select Channel 2, this is the channel that records to the SD card. Channels 1, 3 and 4 are obsolete.

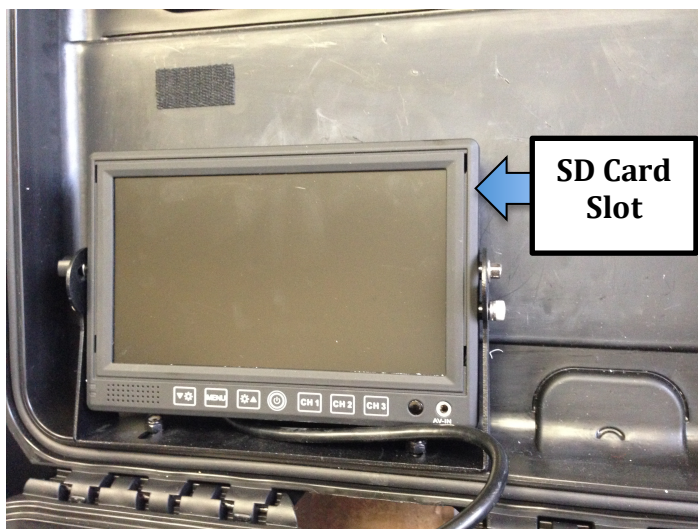
The video automatically begins recording when powered on. In the top center of the screen you will be able to see the time recorded.



STEP 5 Recording

The OK button on the remote is used to start/stop recording the video feed. When recording, the word record will be written in red on the screen – otherwise record will be written in white. Video is recorded in 5 minute intervals.

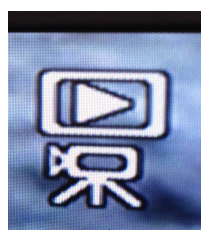
Please note: This remote has other features that are not supported by Aquabotix.



STEP 6 Recording

All video is recorded to the SD card located on the side of the monitor. (32 GB card records approximately 17 hours)

To access the SD card, simply push the SD card to release it. Remove the SD card and insert it into your computer. You will now be able to download your videos.



View
video
Mode



STEP 7 Playback/Delete

To playback and/or delete all your videos, push enter on your remote 2x. This will bring you into the View videos mode.

To playback the most recent video, push ok on the remote. You can scroll through the different videos by using the up/ down arrows.

To delete all your videos, push setup 2x on the remote and select others. Hit ok to enter the menu and scroll down to SD Card format (delete) and hit ok. You will be asked if you would like to format SD card. By selecting yes you will delete ALL of your videos on the SD card. Press setup to return to the main menu. To delete a single video please insert the SD card into your computer.

Directions for Adjusting Date/Time (using the remote provided)

1. Quickly push setup 2 times.
2. Scroll down to TIME SETTING.
3. Hit OK to select , and then scroll down and select SET.
4. Press OK to highlight the field that needs to be changed.
5. Scroll down through the fields until your desired input is highlighted and select OK.
6. Hit SETUP to move to the next number that need to be updated and so on through the rest of the options.
7. When finished hit OK and then SETUP to exit the menus.

WARANTY

AquaLens Pro One Year Limited Warranty Certificate

Aquabotix warrants that, under normal use and service, the AquaLens Pro will be free from defects in material and workmanship for one year from the date of purchase, applies only to the original purchaser and may not be transferred. Unless authorized by Aquabotix, any modification, customization, repair, disassembly of the product, abuse, exposure to contamination, excessive electric or magnetic force will void this warranty.

If Aquabotix receives, during the applicable warranty period, notice of defect in any product, which is covered by Aquabotix's warranty, Aquabotix shall either replace or repair the product at Aquabotix's discretion. If Aquabotix is unable to repair or replace, as applicable, a defective product, which is covered by Aquabotix's warranty, Aquabotix shall, within a reasonable time after being notified about the defect, refund the full purchase price of the product.

Aquabotix shall have no obligation to repair, replace or refund the purchase or product until the customer submits an RMA form and returns the defective product to Aquabotix.

Warranty does not cover the following: damage caused by abuse or misuse, improper maintenance, incorrect assembly, accidental damage, or damage due to incorrect power connection as described in the user manual. Consumable items including o-rings, moisture absorbing packs, LED lights and batteries are specifically excluded from the warranty. Items subject to normal wear and tear include, but are not limited to, the lens and the outer shell which are only covered for defects in workmanship or materials. In no event will Aquabotix be liable for any incidental or consequential damages.

Opening the AquaLens' dome (unless instructed by Aquabotix) voids this warranty.

Claims for damage, shortage or errors in shipping must be reported within three (3) days following delivery to the customer. Aquabotix is not responsible for returned items lost or damaged during shipping. A copy of the dated receipt or bill of sale from the original end user purchase is required to determine coverage.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For more information: returns@aquabotix.com or (508) 676-1000