GoFish Cam

Underwater Fishing Camera
Basic Owner's Manual

December 3, 2017
Version: 0.003

Thank you for purchasing the GoFish Cam – the underwater, inline fishing Camera. Please review these instructions carefully before using the product and save this manual for future use.

You will need to download the iOS application or Android application to connect to your GoFish Cam. Please see the app description pages on the iOS App Store or Google Play store for minimum system requirements for your device.

Download on the App Store

GET IT ON Google Play

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Warnings and Notes

IMPORTANT INFORMATION ABOUT THE WATERPROOF/DUSTPROOF AND ANTI-SHOCK PERFORMANCE OF THIS UNIT

1. Waterproof/Dustproof Performance*

   This unit's waterproof/dustproof rating complies with the "IPX8" rating. Provided the care and maintenance guidelines described in this document are strictly followed, this unit can operate underwater, to a depth of 150m (492 Feet) for a time not exceeding 1 hour.

2. Anti-Shock Performance**

   This unit has cleared a test conducted by GoFish Cam, which complies with MIL-STD 810G Method 516.5-Shock (a drop test performed from a height of 1.22m (4.0 Feet) onto 3cm (0.10 feet) thick plywood.

This does not guarantee no destruction, no malfunction, or waterproofing in all conditions.

3. Portrait Rights

   Be sure to pay special attention to the privacy policy, terms and conditions, and terms of use, etc. when you use this unit and the mobile application. Use it at your own risk.

4. Indemnity about recorded content

   GoFish Cam does not accept any responsibility for damages directly or indirectly due to any type of problems that result in loss of recording or edited content, and does not guarantee any content if recording or editing does not work properly. Likewise, the above also applies in a case where any type of repair is made to this unit.

** This means that this unit can be used underwater for specified time in specified pressure in accordance with the handling method established by GoFish Cam.*

*** "MIL-STD 810G Method 516.5-Shock" is the test method standard of the U.S. Defense Department, which specifies performing drop tests from a height of 122 cm (4.0 feet), at 26 orientations (8 corners, 12 ridges, 6 faces) using 5 sets of devices, and passing the 26 orientation drops within 5 devices. (If failure occurs during the test, a new set is used to pass the drop orientation test within a total of 5 devices.) GoFish Cam's test method is based on the above "MIL-STD 810G Method 516.5-Shock". This drop test was passed. (Disregarding appearance change such as loss of paint or distortion of the part where drop impact is applied.)*

Handling of this unit

- The waterproof performance may be degraded due to the strong water pressure when this unit is used deeper than 150m (492 Feet) underwater. GoFish Cam does not recommend using this unit deeper than 150m.
- When this unit is splashed with detergent, soap, hot spring, bath additive, sun oil, sunscreen, chemical, etc., wipe it off immediately.
- If used in salt water, rinse in clean freshwater, such as tap water
- Waterproof function of this unit is for seawater and freshwater only.
- Any malfunction caused by customer misuse, or mishandling will not be covered by the warranty.
- Cards are not waterproof. Do not handle with a wet hand. Also, do not insert wet card into this unit.
- Do not attach/remove the Rear Cap or Lens Cap when your hands are wet or water droplets are present on this unit. If water droplets get inside this unit, the terminals may rust and cause malfunctions. Other types of damage may also result.
- Do not leave this unit for a long period of time in places where temperature is very low (at high altitude, extreme depth, etc.) or very high (inside a car under strong sunlight, close to a heater, on the beach, etc.) waterproof performance and battery performance may be degraded.
- The inside of this unit is not waterproof. Water leakage will cause malfunction.
- The sound quality may b lowered when using this unit. This is for ensuring the waterproof performance of this unit, and not a malfunction. Removing the Rear Cap will restore the original volume. It is not recommended to remove the Rear Cap near open water, underwater, with wet hands, or when the unit is wet. Removing the Rear Cap could expose the internals to moisture in the air which can cause damage to the internals, and will also affect the impact rating and durability of the unit if dropped.
- The unit contains small parts that' could be a choking hazard, and is not intended for small children, always use with adult supervision.
- This unit is not waterproof when the Rear Cap is off when usb connection is in use. In this case, do not use this unit underwater or touch it with wet hands.

If any foreign objects are found on the internal components, threaded portions, rubber seals, or other parts of this unit, remove them with a soft dry cloth.

If any liquid such as water droplets are found on the internal components, threaded portions, rubber seals, or other parts of this

unit, wipe it off with a soft dry cloth. Do not attach/remove the Rear Cap or Lens Cap near open water, underwater, with wet hands, or when the unit is wet. Doing so may cause water to leak in.

If you attach/remove the Rear Cap or Lens Cap in a sandy or dusty place, sand or other foreign objects may adhere to the internal components, threaded portions (portions of this unit, Rear Cap and Lens Cap with helical threads), rubber seals or other parts of this unit. Be extra careful when attaching parts to this unit. If foreign objects are caught in it, water may leak in and cause malfunctions and other problems.

A Note about condensation

- Condensation occurs when there is a change in temperature or humidity, such as when the unit is taken from outside or a cold room to a warm room. Please be careful, as it may cause the lens to become soiled, moldy, or damaged.
- When taking the unit to a place that has a different temperature, if the unit is accustomed to the room temperature of the destination for about one hour, condensation can be prevented. When the difference in temperature is severe, place the unit in a plastic bag or the like, remove air from the bag, and seal the bag.
- When condensation occurs, turn off this unit, bring the unit indoors in a room temperature, remove the Rear Cap and lens cap and leave this unit for approximately 2 hours. Once this unit adjusts to the ambient temperature, the condensation will disappear naturally. Note: Do not leave this unit open (without the caps) outdoors or near water, humid locations, or salt water/air.
- The inside of this unit is not waterproof. Condensation can cause water droplets which will cause malfunction.

Check before using underwater

Do not attach/remove the Rear Cap or lens cap in sandy or dusty locations, near water, or with wet hands. If sand or dust adheres to this unit, water may leak in.

Step 1: Rotate the Rear Cap and lens cap in the directions of the arrows to remove them.

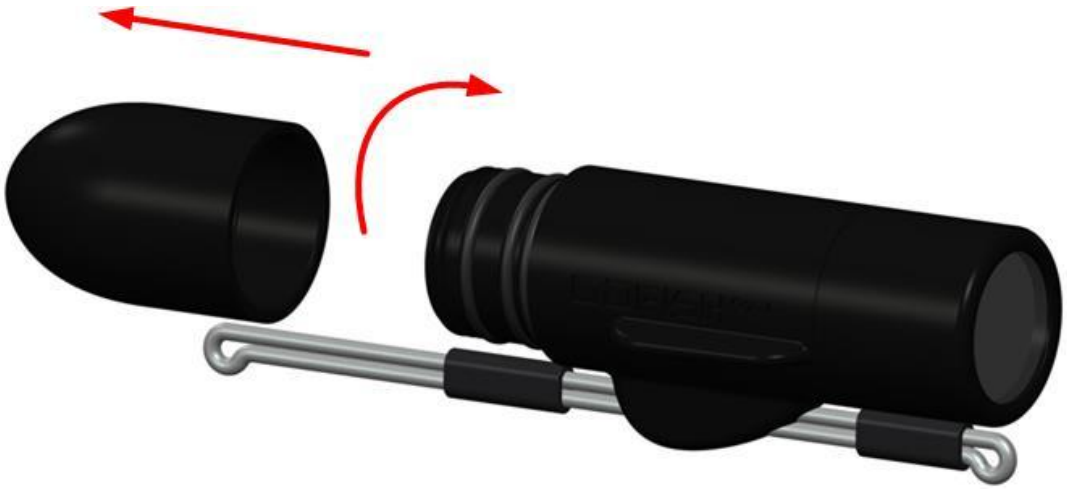

Figure 1

Step 2: Check that no foreign objects are found on the internal components, threaded portions, and rubber seals of this unit.

- If there are any foreign objects, such as lint, hair, sand, etc., water will leak within a few seconds causing malfunction.
- If there are foreign objects adhering to the unit like dust or lint, remove it with a dry, soft cloth.
- If there is any liquid, wipe it off with a dry, soft cloth.
- If there are foreign objects that cannot be reached or removed with a dry, soft cloth - use a commercially available air blower (or compressed air can) to remove them.

Step 3: Check that the rear cap, lens cap, and rubber seals are neither cracked nor deformed.

Step 4: Rotate the rear cap and lens cap in the OPPOSITE direction as used in Step 1. Tighten, them firmly to ensure that they are not loose and no gaps between caps and housing body are present.

To prevent water from seeping into the unit, be careful not to trap foreign objects like sand, hair, or dust between the rear cap / lens cap and the main unit.

Using this unit underwater

- Use this unit underwater at a depth of down to 150M (492 feet) with the water temperature between -5°C and 40°C (23F and 104F)
- Do not use this unit at a depth of over 150M (492 feet)
- Do not use it in hot water over 40°C (104F) (in a bath or hot spring)
- Do not use this unit underwater longer than 3 hours continuously
- Do not attach/remove the Rear Cap or lens cap.
- Do not apply shock to this unit underwater. (Waterproof performance may not be maintained, and there is a chance of a water leak.)
- Do not dive into the water holding this unit. Do not use this unit in a location where the water will splash strongly, such as rapid flow or waterfall. Strong water pressure may be applied, and it may cause malfunction.

This unit will sink in the water. Take care not to drop this unit.

Caring for this unit after using it underwater

- Do not attach/remove the Rear Cap or lens cap until you remove the sand and dust by rinsing and drying this unit.
- Make sure to clean the unit after using it.
    - Thoroughly wipe off any water droplets, sand, dirt, and saline matter on your hands, body, hair, etc.
    - It is recommended to clean the unit indoors, avoiding places where water spray or sand/dirt may fall.
- Do not leave this unit uncared for longer than 60 minutes after using it underwater
    - Leaving this unit with foreign objects or saline matter on it may cause damage, discoloration, corrosion, unusual odor, or deterioration of the waterproof performance.
- Rinse this unit without removing the Rear Cap and lens cap.
    - After use at the seaside or underwater, soak the unit in fresh water pooled in a shallow container for about 10 minutes.
- Wipe off water drops on this unit with a soft dry cloth and dry this unit in a shaded area that is well ventilated.
    - Dry this unit on a dry cloth.
    - Do not dry this unit with hot air from dryer or similar. It will deteriorate the waterproof performance or cause failure due to deformation.

    - Do not use chemicals such as benzene, thinner, alcohol or cleanser, soap or detergents.
- After checking that there are no water droplets, remove the Rear Cap and lens cap, and wipe off any water droplets or sand left inside with a soft, dry cloth.
    - If you remove the Rear Cap or Lens Cap without thoroughly drying this unit, water droplets may form on the card or other parts. Also, water may accumulate in the gap around the card slot or the USB terminal connector. Be sure to wipe any water off with a soft, dry cloth.
    - If you attach the Rear Cap or Lens Cap while still wet, water droplets may seep into this unit and cause condensation or malfunctions.

In case water enters this unit, stop the use immediately. Remove both lens cap and rear cap and let unit air dry indoors in a room temperature environment and contact us letting us know what happened at info@gofishcam.com. Malfunctions resulting from water leakage due to wrong handling by customers are not subject to compensation.

When using in a cold climate or at low temperatures

- It may cause injury to the skin if you directly touch the metal parts of the unit in places where temperature is very low (environments under 0°C / 32F, such as ice fishing, northern waters, deep waters, winter climates, or places at high altitude) for a long period of time. GoFish Cam will not be held liable for any such injuries.
- The performance of the battery (recording time / operating time) may decrease temporarily when using in a temperature lower than 0°C / 32F, (cold places such as ice fishing, northern waters, deep waters, winter climates, or places at high altitude). Make sure you charge the battery sufficiently before use.
- The battery cannot be recharged at temperatures lower than 0°C / 32F. Charge the battery sufficiently in a place where the ambient temperature is between 10°C and 30°C (50F and 86F).
- If the unit is used in cold places such as ice fishing, northern waters, deep waters, winter climates, places at high altitude, some parts of the unit may become hard to move. This is not a malfunction. Let the unit warm up before forcing any parts to move.
- If the Wi-Fi® function is used in cold places such as ice fishing, northern waters, deep waters, winter climates, or places at high altitude, playback and app connectivity may not be performed correctly.

- If the unit is consistently used in cold places such as ice fishing, northern waters, deep waters, winter climates, or places at high altitude, overall productivity of battery life of unit may decrease over time

Names and Functions of Main Parts

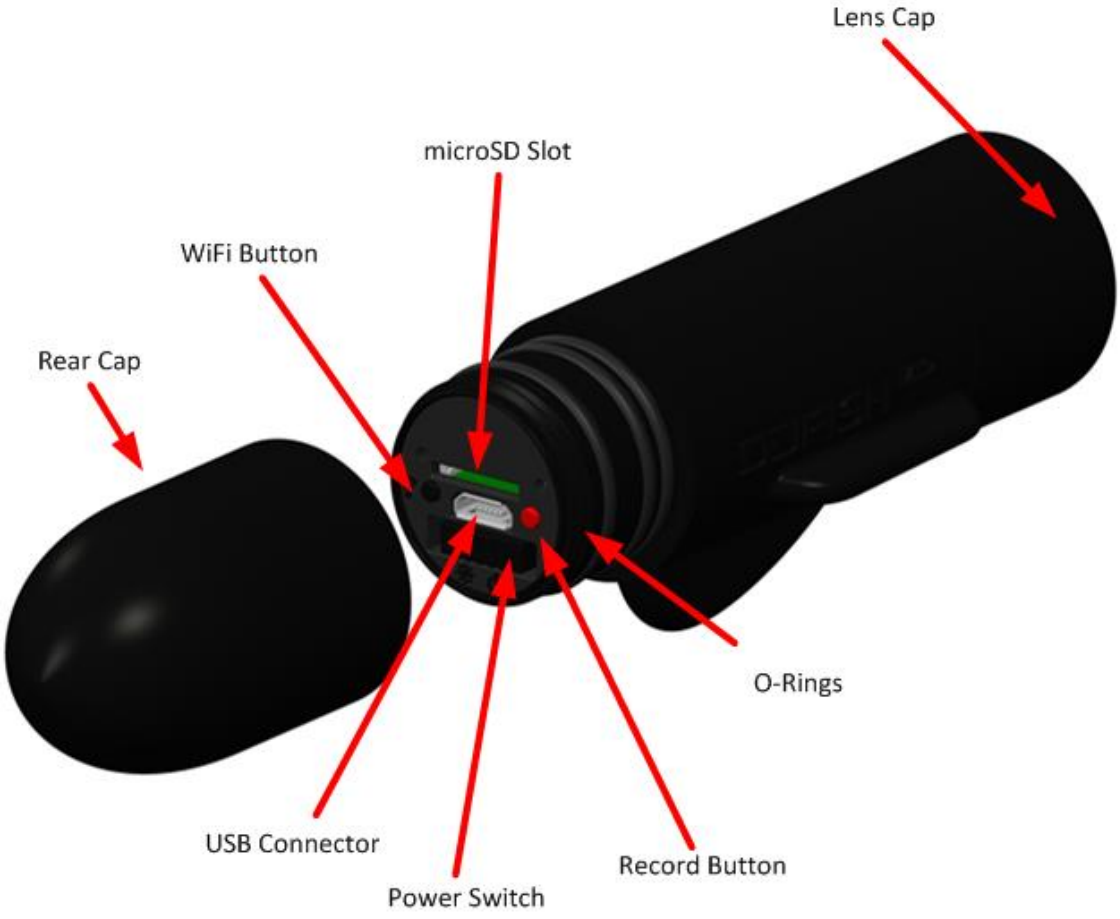

Figure 2

Charging the battery

When this unit is purchased, the battery is not charged. Charge the battery fully before using this unit for the first time.

- This unit has a built-in rechargeable lithium-ion battery. Do not ever remove or attempt to remove this unit's batteries. If you need to dispose of your GoFish Cam, please send it back to GoFish Cam so we can properly dispose of it..
- It is recommended to charge the battery in a temperature between 10°C and 30°C (50F and 86F).
- When this unit is turned on, it takes longer than usual to charge the battery.

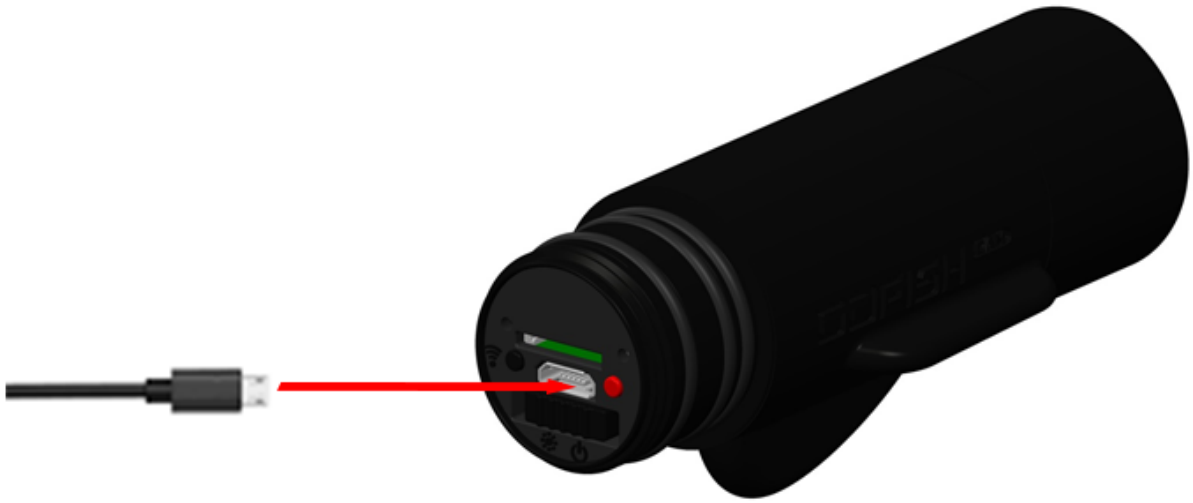

Figure 3

1) Rotate and remove the rear cap to remove it, see page 8 for removal instructions.
2) Connect the USB cable (provided) to the GoFish Cam and connect the other end to a Wall Outlet or a PC. The left indicator light on the back of the unit will turn red to indicate that it is charging. Once the unit is completely charged the charging light will turn off.
3) Once charging is complete, disconnect the USB cable from the GoFish Cam and replace the rear cap, see page 8 for removal instructions. Make sure the cap is tightened completely so that water cannot enter the camera.

Charging Warnings

- **Do not use any other USB cables except the supplied one. (Operation is not guaranteed with any other USB cables.)**
- **Do not heat or expose to flame.**
- **Do not leave the unit (including built-in battery) in a car exposed to direct sunlight for a long period of time with doors and windows closed.**
- **If the operating time is very short even after the battery has been recharged, the battery has worn out.**
- **When the PC is in a power saving mode such as a standby state, the battery may not be charged. Cancel the power saving mode, and connect this unit again.**
- **Operation is not guaranteed when devices are connected through USB hubs or by using extension cables.**
- **Operation cannot be guaranteed on all devices having a USB terminal.**

Indicator lights when operating

Right Indicator

When this unit is turned on, the indicator light on the right side stays on. The color of the indicator light shows the recording mode:

Green	1080 @ 60fps
Dark Blue	1080 @ 30fps
Light Blue	720 @ 60fps

Once the unit is recording, the above indicator lights will flash.

Left Indicator

The left indicator light signals the WiFi status and recharge status. When the WiFi is searching, the light will flash orange. Once the WiFi has established a connection, the light will remain solid orange.

If at any time the unit is on and charging is in process, the left indicator light will turn red and will remain on with whichever right indicator light is also on at the time. The red light will go off when unit is charged.

Charging and recording time*

Charging Time	Frame Rate	Maximum Continuous Recording Time	Actual Recording Time
2.5 Hours	1080pHD @ 60 FPS With Lights	2 Hours 1.5 Hours	1.5 Hours 1.3 Hours
	1080pHD @ 30 FPS With Lights	2.5 Hours 1.5	2 Hours 1.3
	720pHD @ 60 FPS With Lights	2.5 Hours 1.6	2.5 Hours 1.5

Note: Battery Life with WiFi on will be diminished. Maximum time with WiFi is 1.5 Hours. We recommend charging this unit while using WiFi to review and edit footage with the "GoFish Cam App"GoFish Cam App“GoFish Cam App”

* These times are approximations. The indicated charging time is for when the battery has been discharged completely. Charging time and recording time vary depending on the usage conditions such as high / low temperature and may change over time. The actual recording time refers to the recording time when repeatedly starting / stopping recording, turning this unit on/off, etc. The Unit heats up after use or charging. This is not a malfunction.

When the red indicator light is not on during charging

If the red light is not on when USB is plugged in

- Check that the USB terminals of this unit or the connecting device, such as PC are not dirty or covered with a foreign object, and reconnect correctly. If a foreign object or dirt is present, turn off this unit before removing.
- The environment is at an extremely high or low temperature. Wait until the temperature has returned to an appropriate level and try charging again. If you are still unable to charge, there may be a fault in this unit or the connecting device. Try a different connecting device.
- The red light might be worn out, try leaving the unit plugged in for an hour and see if battery has been charged.

If the red light is on but has exceeded expected charging times

- When the battery is over discharged or the temperature of the battery is too high or low. It can be charged, but it may take a few more hours to complete the charging normally.

If the red light goes off:

- Charging has finished.

Recording to a card

Your GoFish Cam can record video to a microSD card allowing you to review the footage at a later time. In order to record video, you will need to use a microSD card with an SD Speed Class Rating of Class 4 or higher. If you use an SD Speed Class Rating with a lower speed rating the recording may stop suddenly or other unexplained behavior may occur. You can use any of the following cards in your GoFish Cam:

- microSD card - 1 GB to 2 GB
- microSDHC card - 4 GB to 32 GB
- microSDHX card - 48 Gb to 64 GB

This unit does not support memory cards that exceed the capacities listed above.

Inserting/Removing a microSD Card

When using a microSD card not supplied from GoFish Cam, or one previously used on other equipment, for the first time on this unit, format the microSD card. Note: When a microSD card is formatted, all of the recorded data is deleted. Once the data is deleted, it cannot be restored.

Figure 4

1) Rotate and remove the rear cap to remove it, see page 8 for removal instructions.
2) Turn the unit OFF.
3) Insert (remove) the microSD card into (from) the MicroSD card slot with the terminals facing down. Push it straight in until it clicks into place. Press the center of the microSD card and pull it straight out to remove.
4) Replace the rear cap, see page 8 for removal instructions. Make sure the cap is tightened completely so that water cannot enter the camera.

Please note, do not insert or remove the microSD card when the unit is turned on. Turn the camera OFF first.

Turning this unit on/off

Push the power switch to the right to turn on this unit. The indicator on the right hand side will flash a couple times and then stay on. To turn off this unit, move the power switch to the middle position. All indicator lights will go off. To turn the unit on with night vision, move the power switch to the left position.

About battery level indications

You can check the battery level of the unit by looking at the mobile app on the live camera feed screen. When the battery level reaches a low level, the right indicator light will flash rapidly.

Wi-Fi® function

- Use this unit as a wireless LAN device
  - When using equipment or computer systems that require more reliable security than wireless LAN devices, ensure that the appropriate measures are taken for safety designs and defects for the systems used. GoFish Cam will not take any responsibility for any damage that arises when using this unit for any purpose other than as a wireless LAN device.
- Use of the Wi-Fi function of this unit is presumed to be in countries where this unit is sold
  - There is the risk that this unit violates the radiowave regulations if used in countries other than those where this unit is sold, and GoFish Cam takes no responsibility for any violations
- There is the risk that data sent and received via radio waves may be intercepted
  - Please note that there is the risk that data sent and received via radio waves may be intercepted by a third party.
- Do not use this unit in areas with magnetic fields, static electricity or interference
  - Do not use this unit in areas with magnetic fields, static electricity or interference, such as near microwave ovens. Radio waves may not reach this unit.
  - Using this unit near devices such as cordless telephones or any other wireless LAN device that use the 2.4 GHz radio wave band may cause a decrease in performance in both devices.
- Before use
  - To use a Wi-Fi function with this unit, you need a device equipped with a wireless LAN function.
  - For the operations and settings of your device such as the smartphone, please read the operating instructions of the device.

- ❑ *This unit uses the 2.4 GHz frequency band. You cannot establish a wireless LAN connection using the 5 GHz frequency band.*
- ❑ *Before sending videos, we recommend you charge the battery fully. We recommend charging while reviewing, editing, and sharing footage.*
- ❑ *Depending on radio wave conditions, it may not be possible to connect to Wi-Fi networks.*
- ❑ *When using the Wi-Fi function, do not cover the Wi-Fi transmitter with your hand.*
- ❑ ***NOTE: On some mobile devices when connecting to the unit in your WiFi settings an error message may indicate "not connected to internet" This does not mean there is something wrong with your***

unit; the unit's WiFi is a hotspot to connect solely to it and not the internet. You will still be able to connect to the unit even with this error message showing.

Using the "GoFish Cam App" on your smartphone

You will need to download the iOS application or Android application in order to register your GoFish cam. Please see the app description pages on App Store or Google Play store for minimum system requirements for your device.

	For Android Apps	For iOS Apps
OS Version	Android 5.0* or later	iOS 9.0* or later
Installation Procedure	1. Connect your Android device to a network 2. Select "Google Play™ Store". 3. Enter "GoFish Cam App" into the search box. 4. Select "GoFish Cam App" and install it.	1. Connect your iOS device to a network. 2. Select "App Store℠ " 3. Enter "GoFish Cam App" into the search box. 4. Select "GoFish Cam App" and install it.

*The supported OS versions are current as of July 2017 and subject to change. After you have downloaded the app, please make sure you keep the app up to date. Refer to the Tutorial inside the app for updated instructions on how to operate the application. The app may not work properly depending on the type of smartphone you are using. For more information on the "GoFish Cam App" check the support section at GoFishCam.com. Please note that downloading the app over a mobile / cellular network will use data and fees may be incurred depending on the details of your contract.

Connecting to a smartphone

1) Install the "GoFish Cam App" on your phone.
2) Make sure that WiFi is turned on on your smartphone

3) Unscrew the cap from the GoFish Cam and press the Wi-Fi button. The Wi-Fi indicator light will flash orange. See page 8 for removal instructions.
4) Open the WiFi settings on your smartphone and look for the SSID “GoFish Cam” and select it
5) Enter the password “1234567890”
6) When the connection is complete, the indicator light on your GoFish Cam will stop blinking and remain steady orange.

Figure 5

- To terminate the Wi-Fi connection
  - Press Wi-Fi button and remove your finger.
    - The Wi-Fi indicator light will turn off

- Change the default SSID and Password using the "GoFish Cam App" after entering them for the first time. Visit the settings icon when in live stream view in camera mode.
- Wi-Fi mode and Wi-Fi indicator light will turn off if this unit cannot be connected with the smartphone in approx. 5 minutes. Retry the connection setting from the Step 1.
- If this unit and the smartphone are too far apart from each other when making the settings, the connection may not be established. Move the devices closer to each other before making the settings.
- Even if you have changed the SSID/password, the default SSID/password are restored when you reset or format the network settings. We recommend you keep this owner’s manual in a safe place.
- Transmission speed may decrease, or may not be usable depending on the environment it is used in.
- The connection between this unit and the smartphone may be interrupted temporarily depending on radio wave conditions. An attempt to reconnect is made automatically when radio wave interference, etc. is eliminated.
- Note: Water will interrupt radio wave communications, therefore this unit, when submerged underwater will <u>not live stream</u> to a smartphone or any other device. Live stream is only available when properly using the GoFish Cam Float Accessory.

Setting date and time

Your unit will automatically set the date and time of your videos when you sync with your smartphone. You do not need to do anything, once connected to the "GoFish Cam App" the unit time will be set to the correct time zone you are in.

When you turn on this unit for the first time, we recommend you to change the SSID/ Password. Be sure to change them. Otherwise, third parties may intercept your information or use it for malicious purposes.

Using the Setup Menu

Launch the "GoFish Cam App" and tap the “Connect to Camera” icon and follow the steps to add a new camera. Once the camera is connected and you are on the live view screen, tap the settings icon. For the latest information on how to use the "GoFish Cam App", click on the Tutorial item in the user profile menu. As you read the instructions below, please keep in mind that some displayed items may differ depending on your OS or "GoFish Cam App" version.

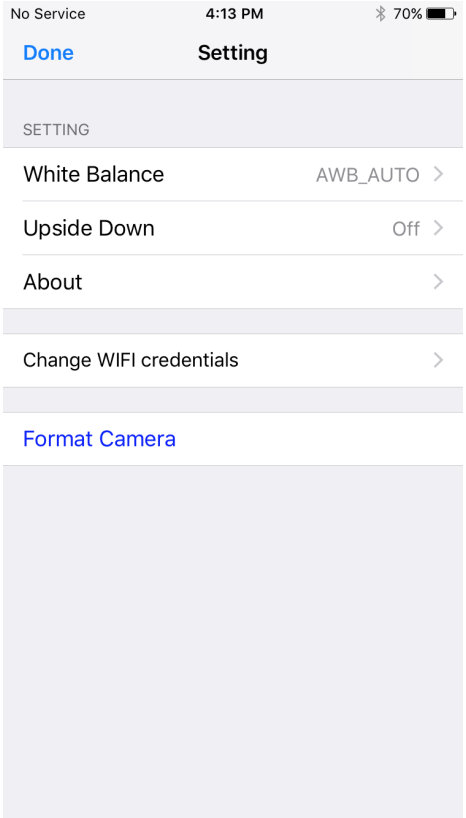

Figure 6

White Balance

When the color tone does not look natural due to a light source conditions, tap “Auto White Balance and select the appropriate mode from the list below:

Preset Mode	Recording Conditions
AWB_AUTO	Automatic white balance adjustment
AWB_DAYLIGHT	Outdoors under a clear sky
AWB_CLOUDY	Outdoors under cloudy sky
AWB_FLUORESCENT	Color fluorescent lamps, sodium lamps etc.
AWB_INCANDESCENT	Incandescent light, video lights etc.

Upside Down

The camera sits on your fishing line with the leader line facing down. If you wish to use the camera for alternative type filming and would like the camera to film upside down (leader line facing up) change this setting to ON.

About

This will show you information about the app and the unit. It will display the version number of your "GoFish Cam App" and the firmware version of your GoFish Cam.

Change WiFi Credentials

This will allow you to change the SSID and password for your GoFish Cam. It is recommended that you change both of these from their default settings in order to prevent others from connecting to your GoFish Cam or interfering with other fisherman nearby who are also using a GoFish Cam.

Format Camera

If you are using a new microSD card in your GoFish Cam or if the card was previously used in another electronic device, you should format the card in your GoFish Cam for proper operation.

Formatting a microSD card will erase ALL the data stored on the card, so make sure you have copies of any data that is on the card before performing a formatting operation. Once you format a card, you will not be able to easily recover lost information.

Using this unit for different styles of fishing

For the recommended best practices and items to use for each style of fishing, please visit www.GoFishCam.com

Using this unit for cast & retrieve

When fishing in the cast & retrieve style, you will want to attach your camera to the fishing line in-between a casting line and your leader line as shown in Figure A. We recommend using a leader line that is less weight capacity than your casting line to raise the odds that if your lure gets snagged or a fish takes it, your camera has the best chance of staying on the line while the leader line would snap and you would lose the lure only. This is not a guarantee, but it is a recommended method.

Cast and retrieve as you normally would, note that with the added weight of the camera you will get more distance on your cast. Also note that when you retrieve with more speed you will see more stability on the video.

When cast and retrieving it is best to side cast rather than overhead cast.

Using this unit for trolling

When fishing in the trolling style, you will want to attach your camera to the fishing line in-between a casting line and your leader line as shown in Figure AA We recommend using a leader line that is less weight capacity than your casting line to raise the odds that if your lure gets snagged or a fish takes it, your camera has the best chance of staying on the line while the

leader line would snap and you would lose the lure only. This is not a guarantee, but it is a recommended method.

Troll as you normally would, note that when trolling at higher speeds (over 9 miles/hour) you will want to add weight to the casting line ahead of the camera as shown in Figure BB to make sure that the camera does not rise at higher speeds. Depending on the lure you are using and the speed you plan to troll at you will need a heavier weight.

Using this unit for bottom fishing

When fishing in the bottom fishing style, you will want to attach your camera to the fishing line in-between a casting line and your leader line. We recommend using a leader line that is less weight capacity than your casting line to raise the odds that if your lure gets snagged or a fish takes it, your camera has the best chance of staying on the line while the leader line would snap and you would lose the lure only. This is not a guarantee, but it is a recommended method.

Bottom Fish as you normally would. If you usually bottom fish as shown in Figure CC, you will want to connect the weight ahead of the camera. If you usually bottom fish as shown in Figure DD , you will want to connect the weight after the bait or lure.

Note that when bottom fishing at depths past 30 meters it is recommended to use the night vision mode. When bottom fishing we recommend sinking your gear at a slow sink rate. Sinking at a fast rate might force the camera to hit an item on the bottom of the fishing area that may contain rocks or hard surfaces and could cause a crack in the unit's housing. Therefore slow sink speed is recommended.

Using this unit for float fishing - with the GoFish Cam live-stream float accessory

This accessory is to be used for float fishing. Instead of using a float, you can attach this accessory to your unit and use it as your float instead. This accessory will also allow you to live-stream footage (up to 75 feet) directly to the mobile app from the camera giving you a bird's eye view of your bait or lure. As shown in figure EE.

You Attach the GoFish Cam Live-Stream Float Accessory to the camera by sliding the camera into the accessory. Make sure that the GoFish Cam Logo on the accessory is facing the rear cap of the camera. Make sure you slide the accessory onto the camera from the lens side as seen in Figure FF. Make sure the unit is attached to your fishing line before attempting to use the float

Do not open the unit when the accessory is attached. Remove accessory, dry the surface of the unit, before opening either end of the unit.

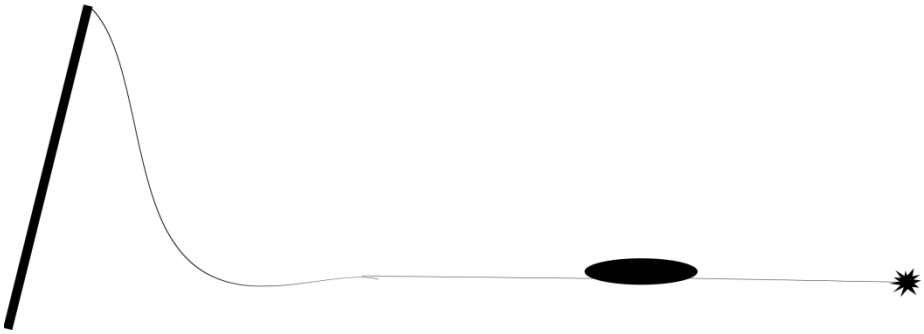

Figure AA

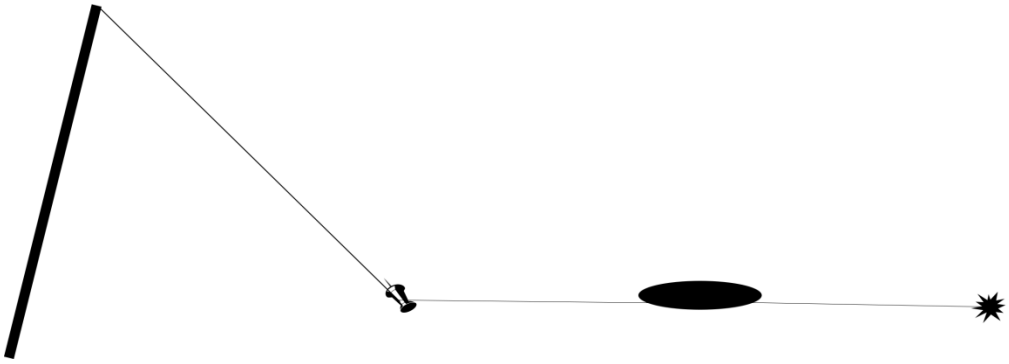

Figure BB

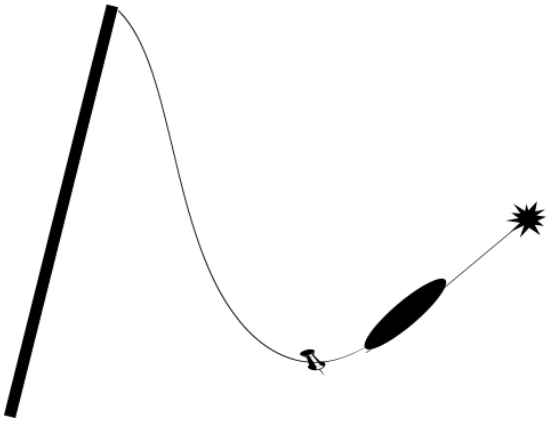

Figure CC

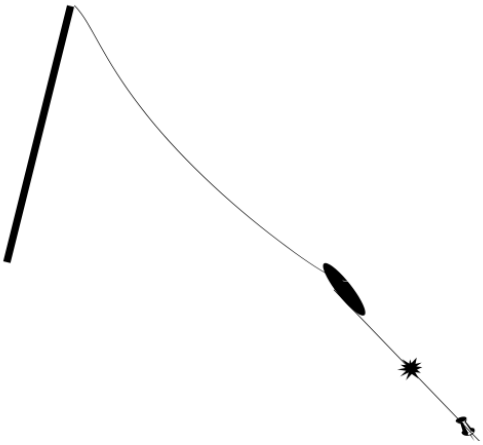

Figure DD

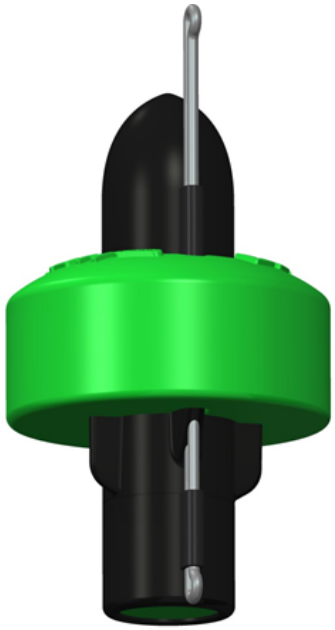

Figure EE

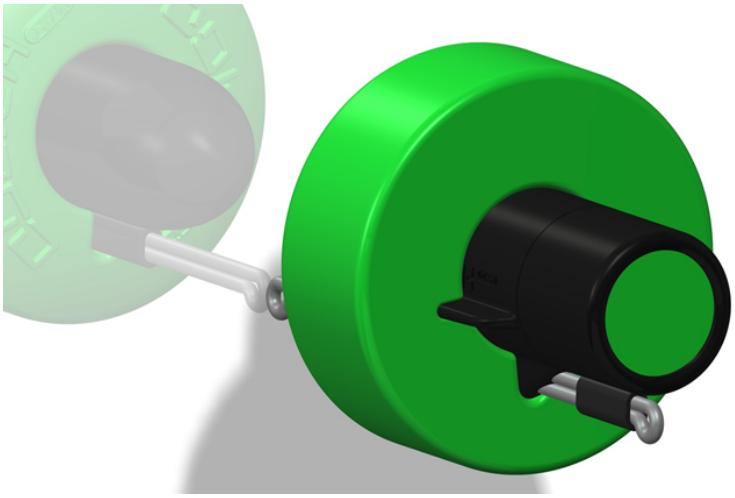

Figure FF

Recording

Check before recording

When you connect this unit and a smartphone and start up the "GoFish Cam App", you can check the video from this unit on the live view screen.
We recommend that you make a test recording to check the angle of view mode, White Balance setting and other settings before recording

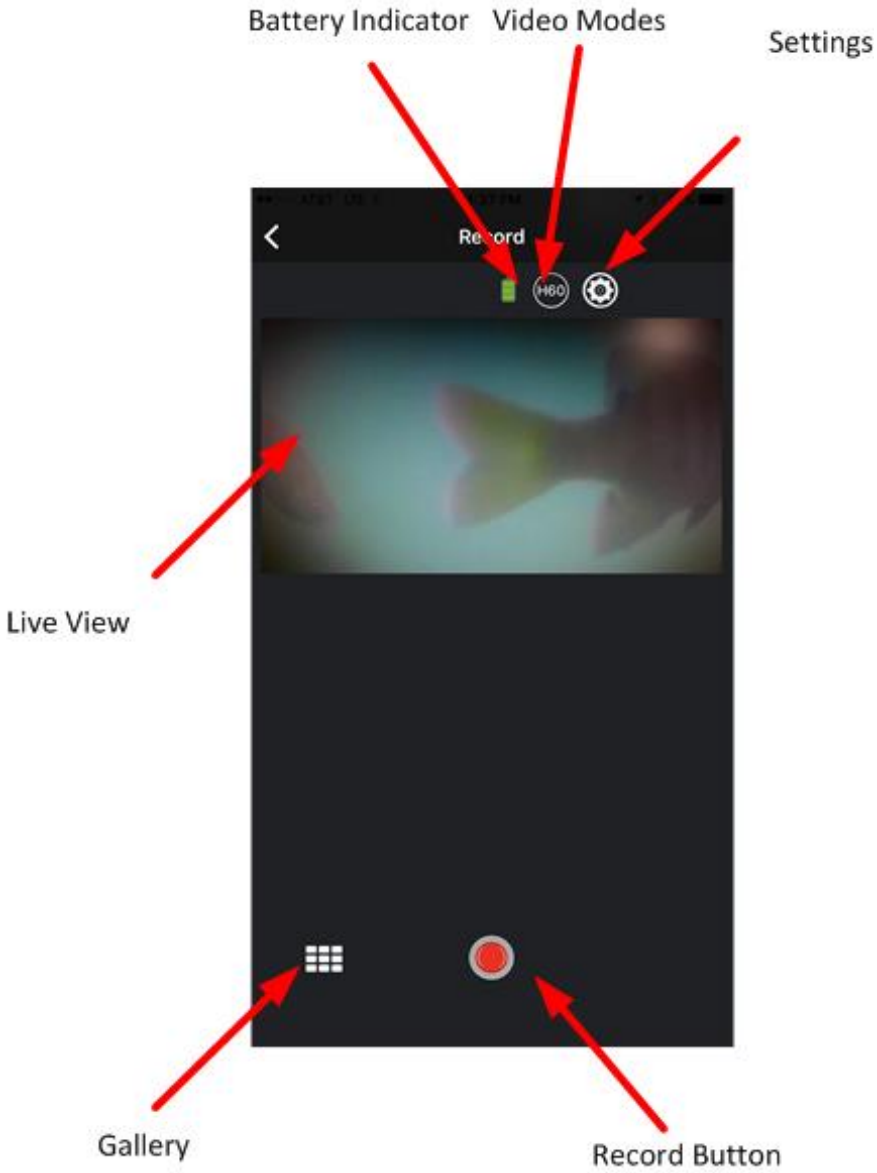

Figure 7

Depending on your OS or the version of the smartphone application "GoFish Cam App", the screen may differ from the one above.

- The live view screen will disappear when the unit disconnects from the WiFi connection. This will happen anytime the unit is in the water. When you reel the unit back in, you can turn on WiFi again and reconnect the camera to the app to review footage. If surfacing the unit within approx. 5 minutes of the unit disconnecting, the WiFi will already be on and will re-connect to your smartphone automatically.

Recording with this unit

You can record images even when this unit is not connected to a smartphone.

1. Hold the recording/mode button to switch to the desired recording mode. Indicated by different colored lights.
    - The recording mode changes each time you hold the button. The recording mode will cycle between green for 1080p @ 60FPS, dark blue for 1080p @ 30FPS, and light blue for 720p @ 60FPS.
2. Press the recording/mode button to start/stop recording
    a. The indicator light will flash when recording in the respective color of the mode you are in

❑ *You cannot change the recording mode during recording*

- *You can also perform recording on the "GoFish Cam App". Refer to Tutorial in the "GoFish Cam App" profile menu settings for information on how to perform the operation.*
- *When you are recording with the "GoFish Cam App", the recording will continue even if this unit is disconnected from the smartphone. To stop the recording, operate this unit or reconnect to the smartphone.*

The microphone may not pick up or record any sound when unit is fully sealed.
Note: different modes will have different battery lifes and will affect the battery power.

Recording in dark locations (Night Vision Mode)

You can record brighter images in dark locations using the GoFish Cam night vision mode.

***Preparation**:*
Turn off this unit

- *To enter night vision mode, Push the power switch to the left. This will turn the unit on as well as the night vision lighting on the lens cap side of the unit.*
    - *unit operates as it does in normal 'ON' mode.*
- *To exit night vision mode, turn off this unit by pushing the power switch to the middle position, wait a few seconds until all indicator lights are off, and then push the power switch to the right.*

Note: using night vision will decrease battery power and life.

Caution: The GoFish Cam night vision mode uses a high powered Creed LED light to illuminate the underwater scene. This light is very powerful and should never be pointed directly at anyone or at any reflective surfaces that might reflect the light at anyone including yourself. This is to prevent the beam from getting in their and your eyes, possibly causing eye damage. GoFish Cam is not responsible for any damage that may occur from the LED light on the unit

Using the Recording Function

Tap the connect to camera icon (ICON) on the "GoFish Cam App"'s menu bar, as shown in figure 7. Connect to a registered camera, or add a new camera. Once the camera is connected and you are in Live View mode, you can tap the red record button to turn on and off recording as shown in figure 7. When recording using the app, tap the record button to turn on recording. You can then fish like you normally would. The camera may disconnect from the app when underwater but the recording will continue. When you reel in, open the app, return to the live view mode and tap the record button to stop recording..

Pixels/Frame Rate

You can switch the video quality of the footage you record. When connected to the camera from the "GoFish Cam App", tap the camera icon in the menu bar. Connect to a registered camera, or add a new camera, once the camera is connected and you are in Live View mode tap the circle icon that will read H60 or H30, as shown in figure 7. A menu will appear offering you to change video resolution and frame rate.

Note: The greater the frame rate and resolution is, the higher the image quality is. However the file size also becomes greater.

1080@60FPS - Top Quality, Less Battery	Records footage in full high-definition image quality
1080@30FPS - Good Quality, Good Battery	Records footage in full high-definition image quality with a slower frame rate per second
720@60FPS - Less Quality, Top Battery	Records footage in a regular high-definition image quality

PLAYBACK

Playback using a smartphone

Videos stored on the MicroSD card in this unit are played back with the smartphone using the *"GoFish Cam App"*. For more information, refer to the Tutorial section in the Personal Library Tab under settings.

Connect this unit with the "GoFish Cam App". Follow instructions for Playback:

1. Tap the video library in the bottom left corner of the Live View Screen,
2. Select the preferred video to watch
3. On the review screen, use the play button to play selected video. To pause video press pause button. To rewind or fast forward use the slider below the video.
    a. Note: you can rotate the smartphone to a horizontal orientation to expand video size
4. To save video to your smartphone tap the save icon.
5. To save video to your personal library on the "GoFish Cam App" tap on “Share” and follow those steps. See Share section for more help.
6. To delete video off your unit, tap the delete icon and confirm.
7. To edit video tap the edit icon.

Note: Copying motion picture files stored in this unit to a smartphone may not be possible depending on the smartphone you are using and depending how much memory your smartphone has available.

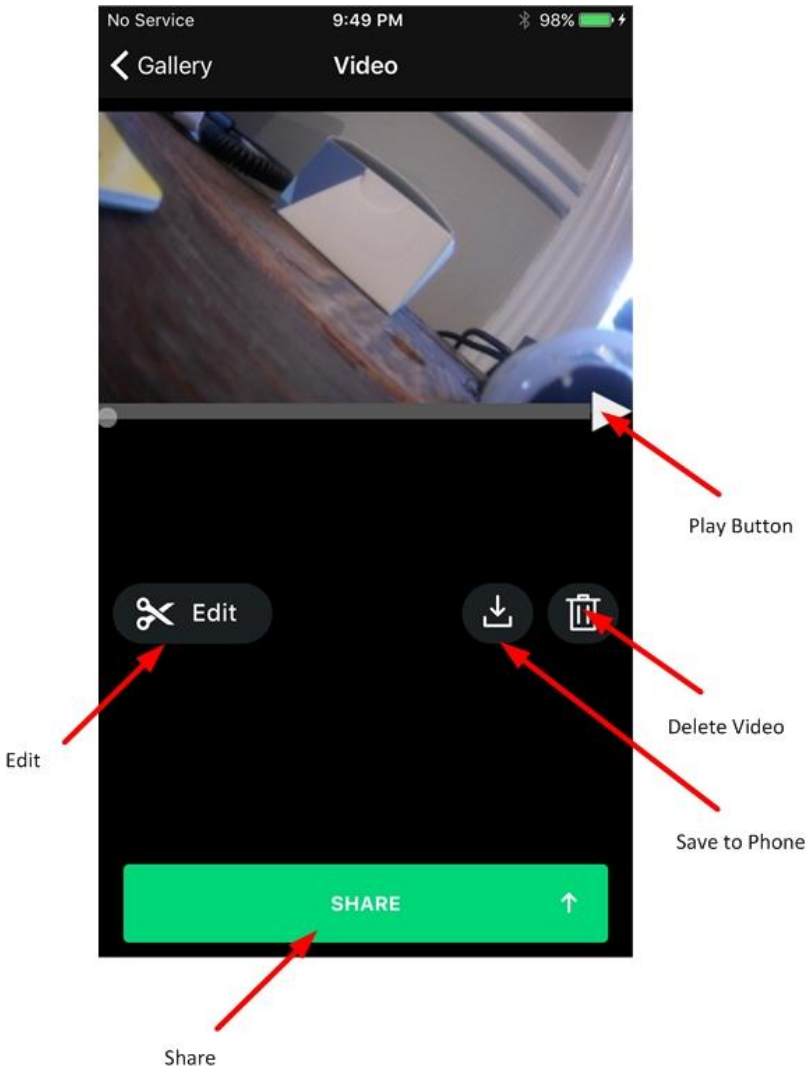
No Service
9:49 PM
98%
Gallery
Video
Play Button
Edit
Delete Video
Edit
Save to Phone
SHARE
Share

Figure 8

EDITING

Editing using a smartphone

Videos stored on the MicroSd card in this unit are edited with the smartphone using the *"GoFish Cam App"*. For more information, refer to the Tutorial section in the Personal Library Tab under settings.

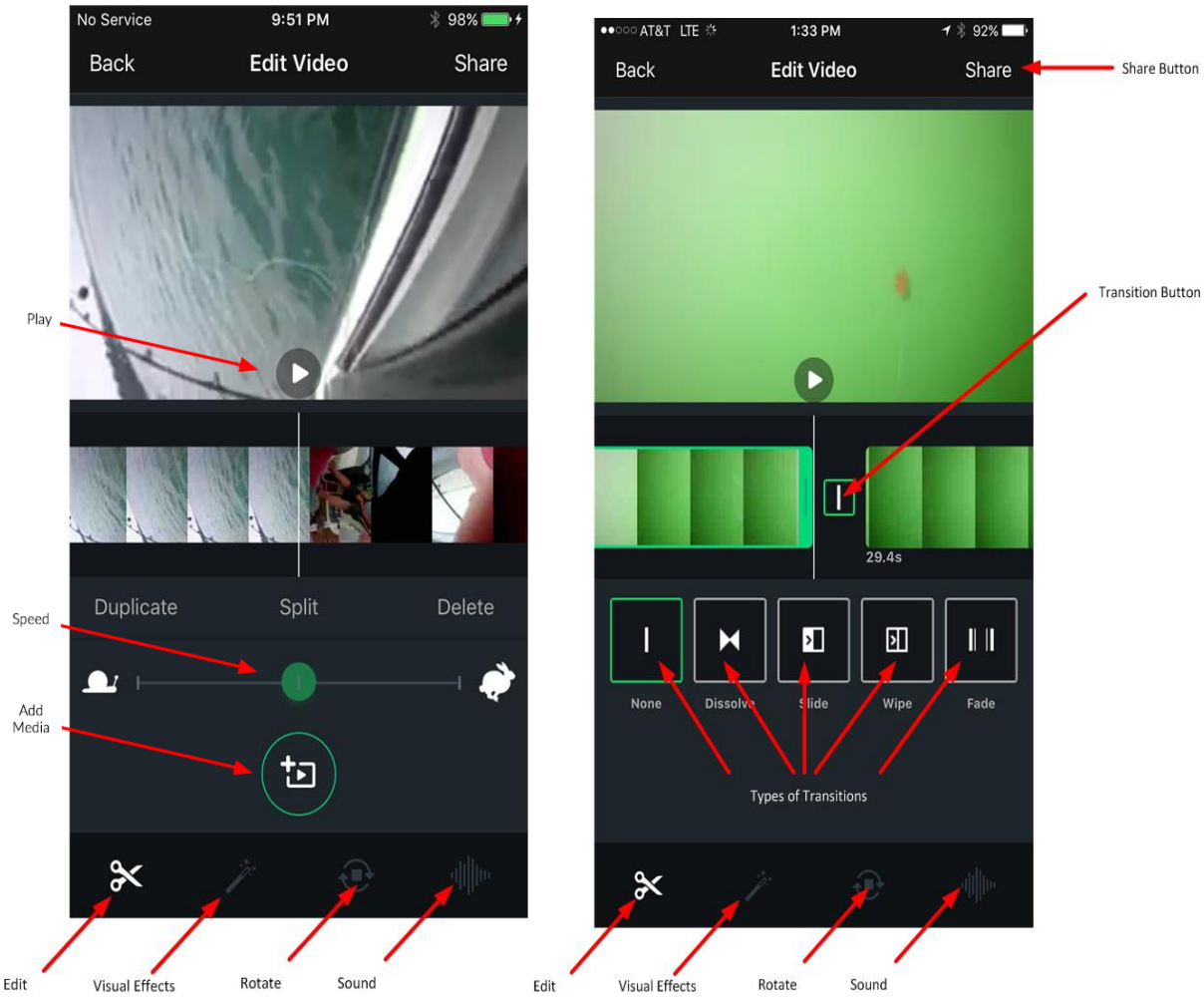

Figure 9

Connect this unit with the *"GoFish Cam App"* and follow the instructions for Editting.

1. Tap the video library in the bottom left corner of the Live View Screen.
2. Select the preferred video to edit.
3. On the review screen, tap the edit icon.
4. The video will complete processing and you will be on the edit screen.
5. To trim video, duplicate video, split video, speed up / slow down, or add in more clips click on the Trim icon.
    a. From the trim screen you can click on a clip by tapping on it in the video preview slider.
    b. You can then drag to where in the clip you want to split the clip by tapping split.
    c. You can delete the clip by tapping delete.
    d. You can duplicate the clip by tapping duplicate.

e. Use the speed slider to change the speed of the clip.
f. To add in more clips from the unit, click on the Add Video icon. Select the clip from the library. After a new clip is added or a clip is split, you will be able to add in transitions by clicking on the transition icon.

6. To edit visual effects, click on the visual effects icon.
   a. Tap on the list of pre-made filters to apply to the clip.
   b. Tap on the visual edit icons below filters to manually change Exposure, Contrast, Fade, Sharpen, Temperature, and Saturation.
   c. Drag the green slider to the desired visual setting for each visual setting for each enhancement. Tap the checkmark to apply the change.

SHARING

Sharing using a smartphone

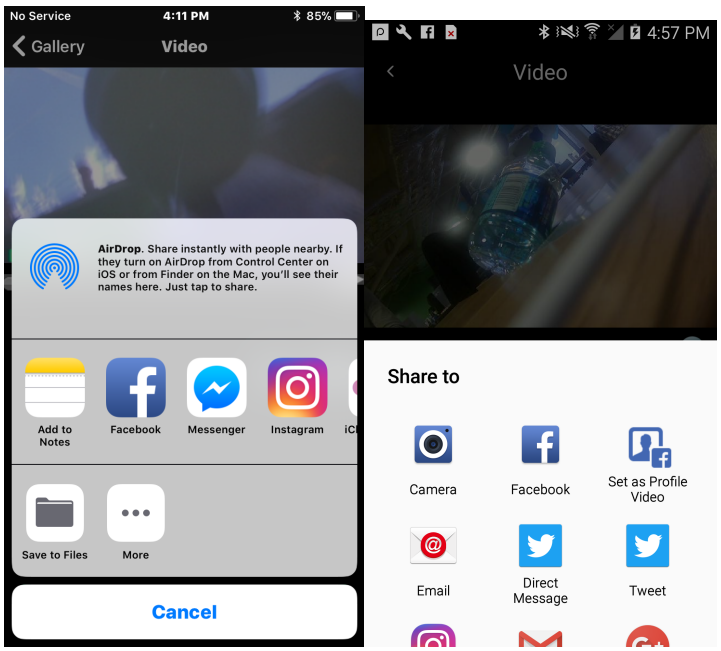

Figure 10

Videos stored on the microSD card in this unit are shared to social media, your personal library on the *"GoFish Cam App"* and your smartphone with the smartphone using the *"GoFish Cam App"*. For more information, refer to the Tutorial section in the Personal Library Tab under settings.

Click on the Share button from the edit screen of the *GoFish Cam App*. From there you can add hashtags, a description of your video, or log specific data about your clip. Then you can post the video to social media sites for others to see.

Using a PC

You can use the following functions by connecting this unit to a PC:

- Charging the battery
  - When you connect this unit to a PC, the PC starts charging the battery
- Card Reader Function (Mass Storage)
  - When you connect this unit to a PC, the PC will detect it as a card reader, allowing you to access the footage on the microSD card inserted in the unit from the PC.
  - To use this unit as a card reader, you need a PC that meets the following system requirements. Even if the system requirements mentioned in this User Manual are fulfilled, some PCs cannot be used.

OS	
Windows	Windows 8/Windows 8.1 (32 bit/64 bit) Windows 7 (32 bit/64 bit) (SP1) Windows Vista (32 bit) (SP2)
MAC	OS X v10.10

- When using unit with PC:
  - Do not delete the microSD card's folders. Doing so may make the microSD card unusable in this unit.
  - When a file not supported by this unit has been recorded on a PC, it will not be recognized by this unit.
  - Always use this unit to format microSD cards.
  - It is possible to playback footage on a PC using a video player standard to Windows or Mac.

Troubleshooting

- It is not a malfunction in following cases:

The lens fogs up	This is due to condensation. It is not a malfunction. To rid the unit of condensation, please refer to page 8

POWER	
Problem	Check Points
The unit cannot be turned on The unit does not stay on long enough Battery runs down quickly	● Charge the battery again to ensure it is sufficiently charged ● In cold places, the battery usage time becomes shorter ● If the operating time is very short even after the battery has been recharged sufficiently, the battery has worn out. If

	within the 1 year of purchase please contact us via www.GoFishCam.com/warranty and follow the instructions
The unit will not turn off	● If the unit will not turn off, or the indicator lights remain on, even after switching the power switch to the off (middle) position this is not an error. Move the power switch to the off position, Press the WiFi button and the record/mode position simultaneously and the unit will turn off. This is called the Manual Reset function.

Light Indicators	
Problem	Check Points
Rapid flashing of right indicator light	This means that the unit is either: ● low on battery and needs to be re-charged. ● The microSD card in the unit is corrupt or does not meet the required standards as outlined in this User Manual. Try formatting the microSD card or replacing it with a new one that is suitable to the outlined standards.

Recording	
Problem	Check Points
This unit suddenly stops recordings	● The unit either stopped recording because the battery died, or ● The unit stopped recording because the memory card is full
Color balance, brightness of footage is strange and unclear	In waters that are not clear, when there is excessive light the footage may be out of focus or strange looking. Try changing the white balance settings from the "GoFish Cam App"

I can not hear any sound in my recording	This is not an error. Although GoFish Cam does have a microphone, when fully sealed you may not always be able to hear any sound at all due to the heavy duty housing and seals.

PLAYBACK	
Problem	Check Points
When reviewing footage, my videos keep cutting themselves at 1 minute lengths	This is not an error. The GoFish Cam is programmed to record in 1 minute clips to easily manage the experience through the mobile app. Note: You can combine multiple 1 minute experiences into a longer video using the "GoFish Cam App" editing software. You can also delete multiple video clips at the same time from the camera's review screen as by tapping the "Select" button in the top right of the screen.
Playback of footage from the camera is very slow or pauses frequently	This is not an error. Depending on the smartphone, and the conditions of where you are, and radio wave conditions, when you review a video, the playback may not be smooth or rapid.

Wi-Fi Connection	
Problem	Check Points
When I connect my smartphone to the unit's WiFi a notification on my smartphone says "No Internet Connection"	This is not an error. GoFish Cam's hotspot is simply for connection between the unit and the mobile app, but it is not a WiFi to access the internet. Even with this error message you can still get full use of the "GoFish Cam App"
The Wi-Fi connection is not possible between this unit and a smartphone.	● Make sure the smartphone is properly connected to this unit by checking the Wi-Fi settings on the smartphone ● Make sure the SSID and Password have been correctly inputted ● Make sure the unit is not connected to a different smartphone in the area or that the smartphone isn't connected to

	another device or network
It takes a long time to connect to a smartphone	This is not an error. It may take a longer time to connect depending on the Wi-Fi connection settings of the smartphone.
The unit is not displayed in the Wi-Fi setting Screen on the smartphone	Try turning on/off the Wi-Fi Function of the unit and on the smartphone. Try turning on/off the unit. Try manual reset of the unit (turn unit off, press the WiFi button and the record/mode button simultaneously)
My Wi-Fi suddenly disconnected	● The unit may be out of range ● Wi-Fi enabled devices can have more preferred devices to connect with. Check your settings on your smartphone that it is not connected to a different network. Also, if the orange indicator light for WiFi is on and not flashing, the unit has connected to a different device.

Caution

About this unit

This unit and the microSD card become warm during use. This is not a malfunction.

- Keep this unit as far away as possible from electromagnetic equipment (such as microwave ovens, TVs, video games etc.).
    - *If you use this unit on top of or near a TV or similar device, the videos and/or sound on this unit may be disrupted by electromagnetic wave radiation.*
    - *Recorded data may be damaged, or videos may be distorted, by strong magnetic fields created by speakers or large motors.*
    - *Electromagnetic wave radiation generated by microprocessors may adversely affect this unit, disturbing the videos and/or sound.*
- Do not use this unit near radio transmitters or high-voltage lines.
    - If you record near radio transmitters or high-voltage lines, the recorded pictures and/or sound may be adversely affected

Make sure to use the supplied cable. Do not extend the cable.

- Do not spray insecticides or volatile chemicals onto this unit.
    - If this unit is sprayed with such chemicals, its body may be marred and the surface finish may peel off. The durability of the unit may also be affected.
    - Do not leave rubber or plastic products in contact with this unit for a long time.
- When you use this unit in a sandy or dusty place such as a beach, do not let sand or fine dust get into the body and terminals of this unit.
    - Sand or dust may damage this unit. (Care should be taken when inserting and removing a card and when removing and putting on the rear or lens caps.)

Do not use this unit in strenuous sports involving impacts and collisions.

- When carrying this unit, do not drop or bump it.
    - A strong impact can break this unit's casing, causing it to malfunction.

Keep this unit clean and dry after use

- Cleaning
    - Before cleaning, make sure the unit is sealed,, and then wipe this unit with a soft dry cloth.
    - If this unit is very dirty, dip a cloth in water and squeeze firmly, and then wipe this unit with the damp cloth. Next, dry this unit with a dry cloth. Make sure the unit is sealed when doing this.
    - Use of benzine, paint thinner, alcohol, or dishwashing liquid may alter the camera body or peel the surface finish. Do not use these solvents.
    - When using a chemical dust cloth, follow the instructions that came with the cloth.
    - If using the unit in salt water, rinse the unit, when fully closed, in fresh water and dry completely with a dry cloth.

Do not use this unit for surveillance purposes or other business uses.

- This unit was designed for consumer intermittent use. It was not intended for continuous use, or for any industrial or commercial application resulting in prolonged use.
- In certain situations, continuous use could cause this unit to overheat and cause a malfunction. Such use is strongly discouraged.

When you are not going to use this unit for an extended time.

- Store this unit in a cool place with minimal humidity, and with a constant temperature where possible (recommended temperature: 15 degrees C to 25 degrees C (59 F to 77 F), recommended humidity: 40%RH to 60%RH).
- Always remove the card from this unit.
- When storing this unit for an extended time, it is recommended that you charge it once every year.
- The battery discharges slowly even if this unit is not used. The remaining battery level will decrease when this unit is not used for an extended time.
- When storing this unit in a cupboard or cabinet, it is recommended that you place a desiccant (silica gel) in with it.

About personal information

When the Wi-Fi function is used, personal information, including the SSID and Password for the Main unit connected to this unit, will be saved on this unit.

Disclaimer

Information including personal information may be altered or vanish due to erroneous operation, effect of static electricity, accident, malfunction, repair, or other handlings. Please note in advance that GoFish Cam is not liable in any way for any direct or indirect damage from the alteration or vanishing of information or personal information.

- When requesting a repair, transferring to another party, or disposing.
    - Make a note of your personal information first, and initialize the network settings to delete information saved on this unit, including the SSID and other personal information that you set up.
    - Remove the Memory Card from this unit when requesting a repair.
    - Settings may return to factory default when this unit is repaired.
    - Please contact the dealer where you purchased this unit or GoFish Cam if above operations are not possible due to malfunction.
- When uploading images on web services.
    - Videos may contain information that can be used for identifying individuals such as titles and recording dates. When uploading videos on web services, check carefully, and then upload.

About the microSD card

- The memory capacity listed on the microSD card label is the total of the capacity that is used for protection and management of copyright, and capacity that can be used normally with this unit and computer.
- Do not subject the microSD card to strong shocks, bend it or drop it.
- Data on the microSD card may be damaged or deleted due to electrical noise, static electricity or malfunctions with this unit or the microSD card.

When the microSD card is being accessed (when the unit is recording or WiFi is on and "GoFish Cam App" is being used to control the unit), do not perform the following:

- Remove the microSD card
- Turn the unit off
- Expose the unit to vibrations or shock

When disposing of or giving away the microSD card, note that:

- Formatting and deletion of data on this unit or computer only changes the file management information and does not completely delete the data in the microSD card.
- It is recommended that the microSD card is physically destroyed when disposing of the microSD card.
- The customer is responsible for the management of the data in the microSD card.

Cautions for using a microSD card

- Do not expose the terminals of the microSD card to water, dirt or dust.
- Do not place microSD cards in the following areas:
    - In direct sunlight
    - In very dusty or humid areas
    - Near a heater
    - Locations susceptible to significant difference in temperature (condensation can occur.)
    - Where static electricity or electromagnetic waves occur
- To protect microSD cards, return them to their cases when you are not using them.

About firmware updates

To update the firmware version of this Gofish Cam unit, follow the steps listed below.

1. Turn off unit, make sure it is fully charged
2. Take out microSD card
3. Copy the update firmware file to the microSD
4. Put the SD card back in the GoFish Cam unit
5. Turn on the GoFish Cam unit. The red light will flash indicating update in process.
6. Do not do anything with the GoFish Cam unit until the light is solid indicating it it done with the update
7. Turn the GoFish Cam unit off, remove the microSD and delete the update file.
8. Replace the microSD and turn the GoFish Cam unit on and it is ready for use.

Manually resetting the unit

Turn power switch into off mode (middle position) after turning off this unit, press the record/mode button and WiFi button simultaneously. Hold them down for approximately 3 seconds. All indicator lights will go off. Turn unit back on (power switch into regular or night vision mode)

About the battery

The battery used in this unit is a rechargeable lithium-ion battery. It is susceptible to humidity and temperature and the effect increases the more the temperature rises or falls. Due to the waterproof, dustproof, and anti- shock design of this product, it is not possible to replace the built-in battery. If the operating time is very short even after the battery has been recharged, the battery has worn out.

Disposal of the product at end of life

The symbol on the box indicates that the end of the product useful life must be separated from all other waste. The user is responsible for delivering the unit to the appropriate recycling center for electronic waste, or returns it to the dealer when purchasing a new equivalent product on a one to one.
Proper waste collection equipment succession to start recycling, treatment and environment compatibility disposal contributes in preventing possible environment and health effects negative and promote the recycling of the material making up the product.
Illegal disposal of the product by the user includes the application of administration penalties
Modification and repair of the unit should be done by an authorized and qualified service center of returned to the manufacturer
-The warranty gives you specific legal rights, and you may also have other rights, which vary by local law

About Copyright

Whatever you have recorded and created can be used for your personal entertainment only. Under copyright laws, other materials cannot be used without obtaining permission from the holders of the copyrights. Please read the terms and conditions when using the "GoFish Cam App" before use with this unit and the videos recorded with it.

Licenses

- microSDXC Logo is a trademark of SD-3C, LLC.
- Microsoft®, Windows® and Windows Vista® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.
- iMovie, Mac and OS X are trademarks of Apple Inc. registered in the U.S. and other countries.
- iPhone is a trademark of Apple Inc., registered in the U.S. and other countries.
- Intel® and Intel®CoreTM are trademarks of Intel Corporation in the U.S. and/or other countries.
- App Store is a service mark of Apple Inc.
- Android and Google Play are trademarks or registered trademarks of Google Inc.
- The Wi-Fi CERTIFIEDTM Logo is a certification mark of the Wi-Fi Alliance®.
- “Wi-Fi®” is a registered trademark of Wi-Fi Alliance®.
- “WPATM”, and “WPA2TM” are trademarks of Wi-Fi Alliance®.

- Other names of systems and products mentioned in these instructions are usually the registered trademarks or trademarks of the manufacturers who developed the system or product concerned.

About Compliance

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body.

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