Oregon
SCIENTIFIC

ATCMini
ACTION CAMERA

User Manual

SmartLiving

Item No.: ATCMini

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Precautions - Camera

Notice the following guidelines when using your camera

- The camera is shock resistant, not shock proof.
- Do not let operating the camera distract you from your immediate surrounding.
- Do not place the camera in areas prone to dust or damp for long periods of time. This may cause a fire or an electric shock.
- Do not leave the camera in places exposed to extremely high temperatures, such as under direct sunlight, for long periods of time. This may affect the camera housing and internal components.
- Clean the lens with a soft cloth to remove fingerprints or dust.
- Do not disassemble the camera.
- Turn the camera off before removing the rechargeable battery or the MicroSD card. The card and the data may be damaged if the MicroSD card is inserted or removed while the camera is still on.
- Remove the rechargeable battery and the MicroSD card before storing the camera for long periods of time. Keep it in a well-ventilated place to prevent mould.

* Shielded USB cable and RCA cable with ferrite must be used with this unit to ensure compliance with the class B FCC limits.

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Precautions - Battery

If the rechargeable battery is mishandled, it can burst, cause a fire or even chemical burns. Observe the following cautions:

- Never charge the battery around or in area of any inflammable materials.
- Do not incinerate or dispose of the battery in fire.
- Do not short circuit and do not allow metal objects to come into contact with the battery terminals.
- Do not expose the battery to extreme temperatures below 0°C (32°F) or above 40°C (104°F).
- Keep the rechargeable battery out of the reach of small children.
- Do not crush or dismantle the rechargeable battery or expose it to any shock or force such as hammering, dropping or stepping on it.
- Always inspect batteries before charging.
- Never use or charge a LiPo battery with any damage, swelling or disfigurement.
- Never charge LiPo battery unattended.
- Replace the battery only with the same type recommended by Oregon Scientific.
- Only charge the battery via the main unit.

CAUTION
There is a risk of explosion if you replace the battery with an incorrect type.
Dispose of used batteries according to your local environmental guidelines.
Do not puncture, drop, or incinerate the battery.

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Precautions - Waterproof

- The camera is waterproof up to 20m (60ft). Oregon Scientific will not assume any responsibility for camera malfunction caused by liquid entering the camera as a result of misuse by the user. Liquid may get inside the camera if the battery cover is not firmly closed.
- If the camera gets wet, wipe the liquid off as soon as possible with a dry cloth.
- Other camera accessories may not be waterproof.
- Don’t use the camera in extreme temperatures as this may cause the camera to malfunction.

Waste electrical and electronic equipment

The crossed-out wheeled bin indicates the product needs to be disposed of separately and not as domestic waste.

Battery disposal

Do not dispose of used batteries with domestic waste.

Notes on copyright:
Users are asked to note that the transfer of memory containing photos or data protected under copyright laws is only permissible within the restrictions imposed.
Users assume all responsibility in the event that copyrights are violated by the use of this camera.

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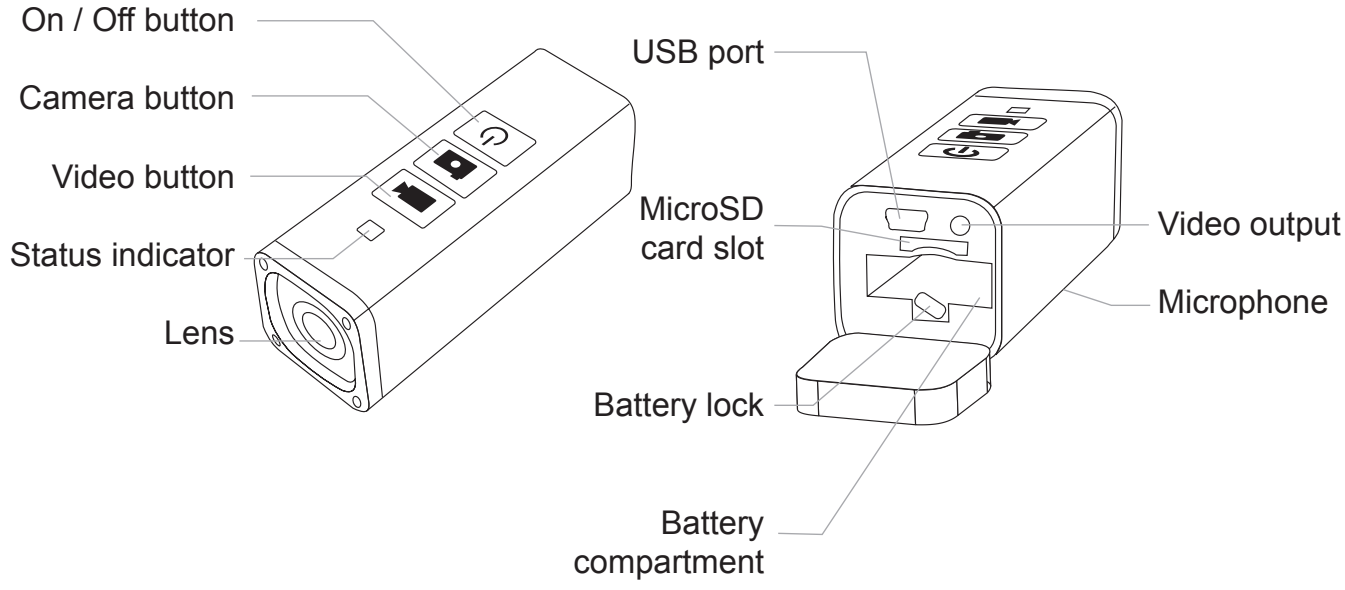
Operating Elements - Main Unit



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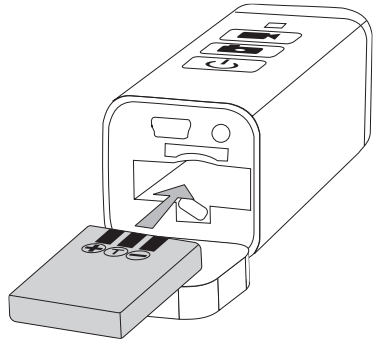
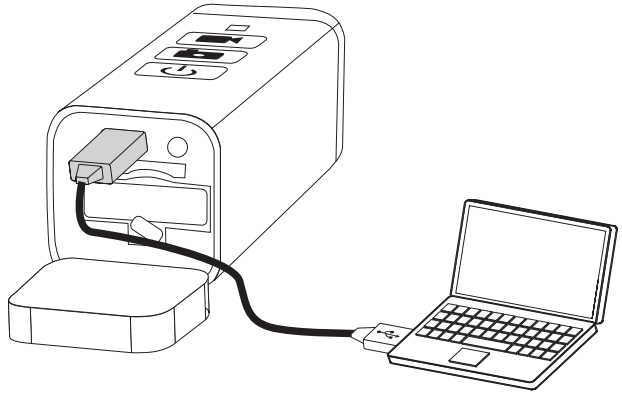
Operating Elements - Battery Installation & Charging

- Insert the provided battery to the battery compartment. The metal contacts should face toward the camera.
- Lever the latch to pull the battery out.



⚠ Make sure the battery is locked in place.

1. Connect the camera to a USB port through USB cable. **The status indicator will flash green and red alternately and two beeps will be generated.**
2. When charging is finished, **the status indicator turns green and a long beep will be generated.** Remove the camera from the USB port.



⚠ Recharge the battery when the status indicator flashes green. The battery is low.

Please fully charge the battery before first use.

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Operating Elements - Date & Time Setting

1. Create SETTINGS.txt file with Notepad (Windows) or TextEdit (Mac).
2. Type in the predicted time when you insert the MicroSD card in the following format*

   YYYY.MM.DD
   hh:mm:ss
   xxHz

   Please note that both filename and the content are case sensitive.
3. Save the .txt file in the root folder of the MicroSD card.
4. Insert the MicroSD card and turn on the ATCMini, the camera will be updated the date and time.

* **YYYY** = year; **MM** = month; **DD** = day;
hh = hour in 24-hour format; **mm** = minute; **ss** = second;
xx = local mains frequency (50Hz or 60Hz).

⚠ Note on mains frequency
Input the correct local mains frequency. The shutter frequency will match the local mains frequency to reduce banding and flicker effect while recording under certain types of lighting, such as fluorescent or mercury vapour lamp.

If you are uncertain about the local mains frequency, test both 50Hz and 60Hz and choose the one that produces the best results.

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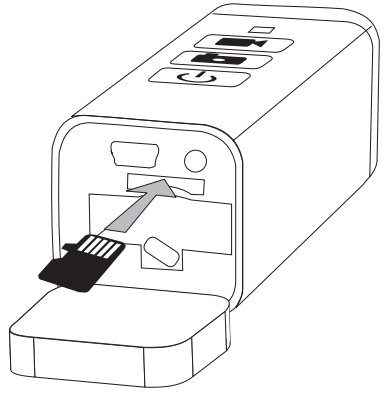
Operating Elements - MicroSD Card Insertion & Formatting

MicroSD card insertion

1. Insert the MicroSD card until it clicks into place, the metal contacts should be facing upward.
2. To remove the MicroSD card, push it further into the camera and it will spring out from the camera for being pulled out.



⚠ Insert or remove the MicroSD card only when the camera is turned off.

MicroSD card formatting

1. Press and hold ⏻ to turn on the camera.
2. Press and hold 🎥 , 📷 and ⏻ to format the MicroSD card.
3. Press ⏻ after the beep to confirm. **The status indicator flashes in blue and red alternately**.
4. When formatting is finished, **the camera will give two beeps and the status indicator will light green**.

⚠ When the available memory of MicroSD card is **less than 10%, the status indicator flashes blue.**

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Operation - Main Buttons

Video recording

Press to start.

Press the button again to stop.

Camera beeps once and status indicator turns red.

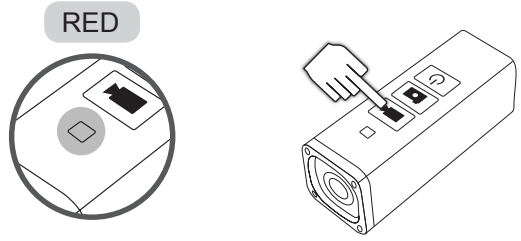


Photo shooting

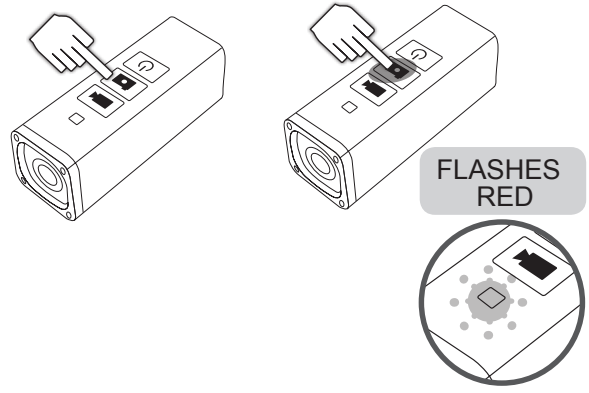
Single mode:

Press to take one photo.

Continuous mode:

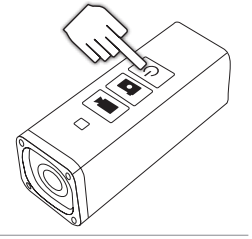
Press and hold to take 9 photos consecutively.

Camera beeps and status indicator flashes red whenever a photo is taken.



Power on / Off

Press and hold to turn on / off the camera.



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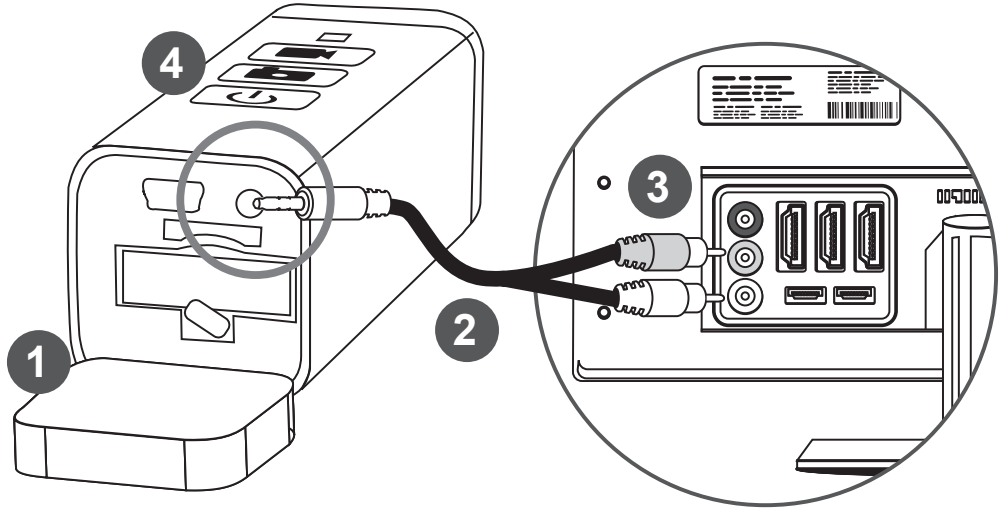
Operation - Connecting to Monitor



1. Open the rear part of camera.
2. Insert the 2.5 mm stereo plug to the camera video output.
3. Connect the RCA plugs to the monitor, yellow plug to video input and white plug to audio input.
4. Turn on the camera.

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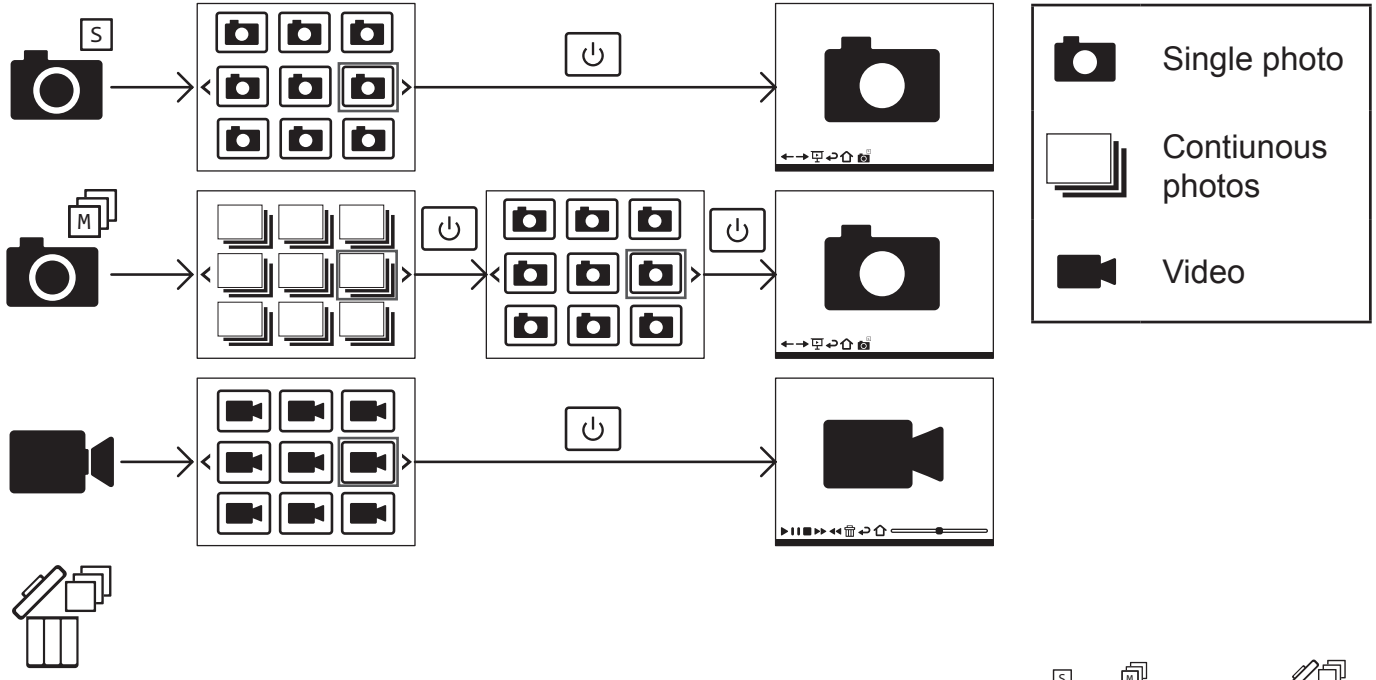
Operation - On-Screen Menu



- After the start up screen, the home page will appear will the four icons, , , and .
- Use or to navigate and to confirm / select.
- The toolbar hides automatically when no button is pressed for 2 seconds. Press any buttons to show the toolbar again.

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Operation - On-Screen Menu index & Connecting to Computer

On-Screen Menu Index

On-screen icon	Function
	Video
	Single photo
	Continuous photos
	Delete all files
	Previous
	Next

On-screen icon	Function
	Slide show
	Confirm
	Cancel
	Play
	Pause
	Stop

On-screen icon	Function
	Fast forward
	Rewind
	Delete
	Return
	Return to homepage
	Delete selected file

Connecting to a computer with Windows operating system

1. Connect the camera to a computer with the provided USB cable.
2. Turn on the camera. The computer will recognise the camera as a “removable disk”.
3. Open the “DCIM” folder of the removable disk.
4. Double click on a file to open it.

Connecting to a Mac

Connect the camera to a Macintosh with the provided USB cable and then turn on the camera. The Macintosh will recognise the camera automatically as an external hard drive.
Please note that in order to completely remove the deleted files from the MicroSD card, empty the trash before ejecting the camera.

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Table of Indications

Conditions	Indicator Color	Sound
Battery Charging		
Camera connected with USB cable	Flashes Green / Red	2 beeps
Finished battery charge	Green	Long beep
MicroSD Card		
Memory is less than 10% memory	Flashes blue	- -
Finished card format	Green	2 beeps
Camera Operating		
Video recording	Red	2 beeps
Photo shooting in continuous mode	Flashes red	1 beep

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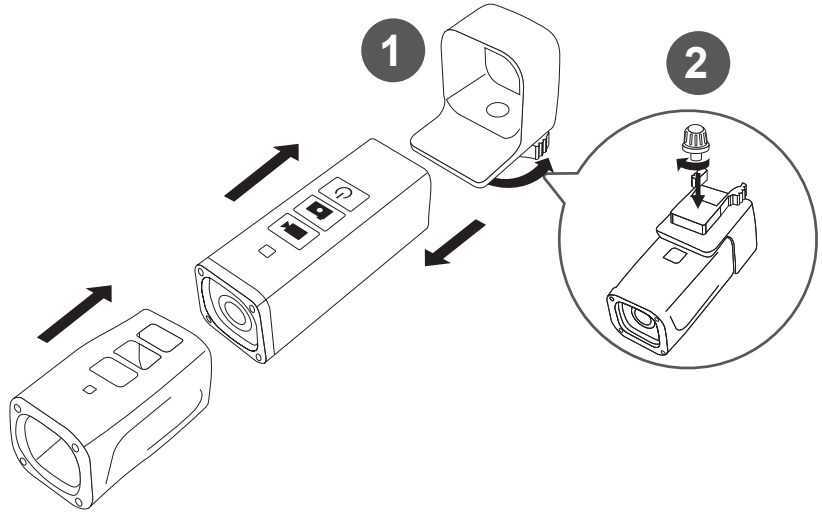
Mounting - Basic & Tripod Mount

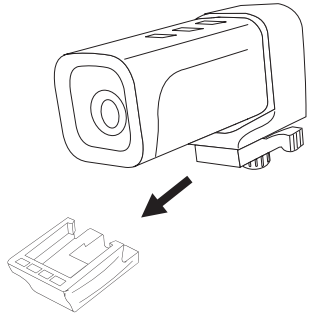
Basic mounting

1. Insert the camera to the quick release bracket.
2. Tighten the screw to secure the camera.
3. The quick release bracket can be attached to different mounts.



Tripod Mounting

Slide the quick release bracket to the tripod mount.



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Mounting - Other Mounting Options

The camera can be mounted on hardshell helmet, surfboard or handlebar of bicycle or motorcycle with designated mounts.

Other cameras from the ATC series can also utilise those mounts through conversion set. The camera grip of the ATC conversion set can be used for ATC3K & ATC9K. ATC5K users can make use of the existing ATC5K grip along with the ATC conversion set's quick release to work with our new mounting series.

Mounting instructions can be found in the "Advanced Mounting".
Optional mounts and conversion set are sold separately.

⚠ Mountings warnings

- Make sure the mounting is secure before embark.
- Do not modify the mounting object structurally to mount the camera.
- Clean the mounting surface before applying the adhesives.
- Apply the adhesives at room temperature (18°C ~ 38°C).
- Leave the mount unloaded for 72 hours to strengthen the bond.
- Do not use abrasive powders or solvents, such as benzene or thinner to clean the product.

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Specification

Power consumption:	DC3.7V; 0.92W
Battery	3.7V LiPo; 445mAh / 1.65Wh
Photograph resolution	1.3 MP
Field of view	110º
Video format	AVI
Video quality*	720p (1280 x 720 pixels); 16:9; 30fps; ~8Mbit / s data rate, approximately 15 minutes of video per 1 Gbyte
Audio format	Mono
USB interface	USB 2.0
Operating systems	Windows XP / Vista / Windows 7 or Apple Mac OS X 10.6 or above
Dimensions	30 (H) x 30 (W) x 82 (L) mm
Weight	75g with battery, excluding quick release and mounts

* 720p video playback is only available with computer playback.

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FCC Compliance Statement

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.

WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC 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 the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

* Shielded USB cable and RCA cable with ferrite must be used with this unit to ensure compliance with the class B FCC limits.

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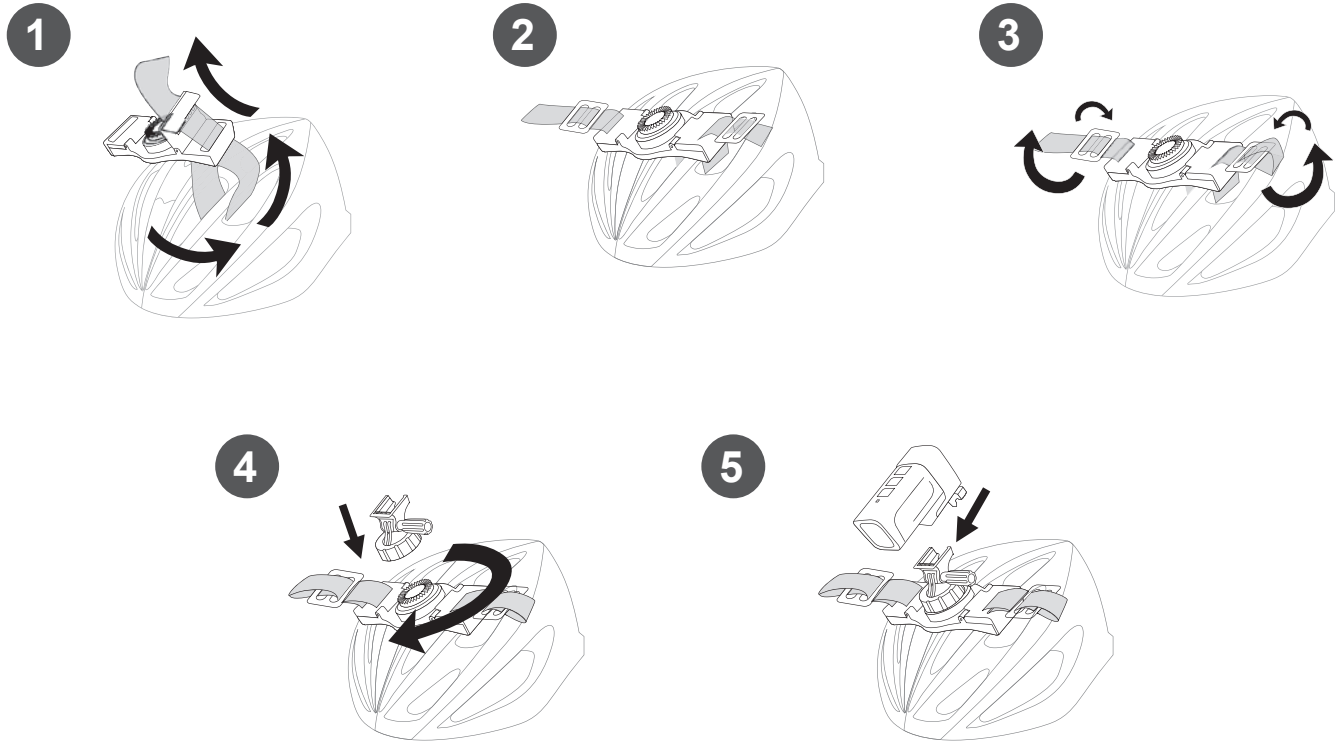

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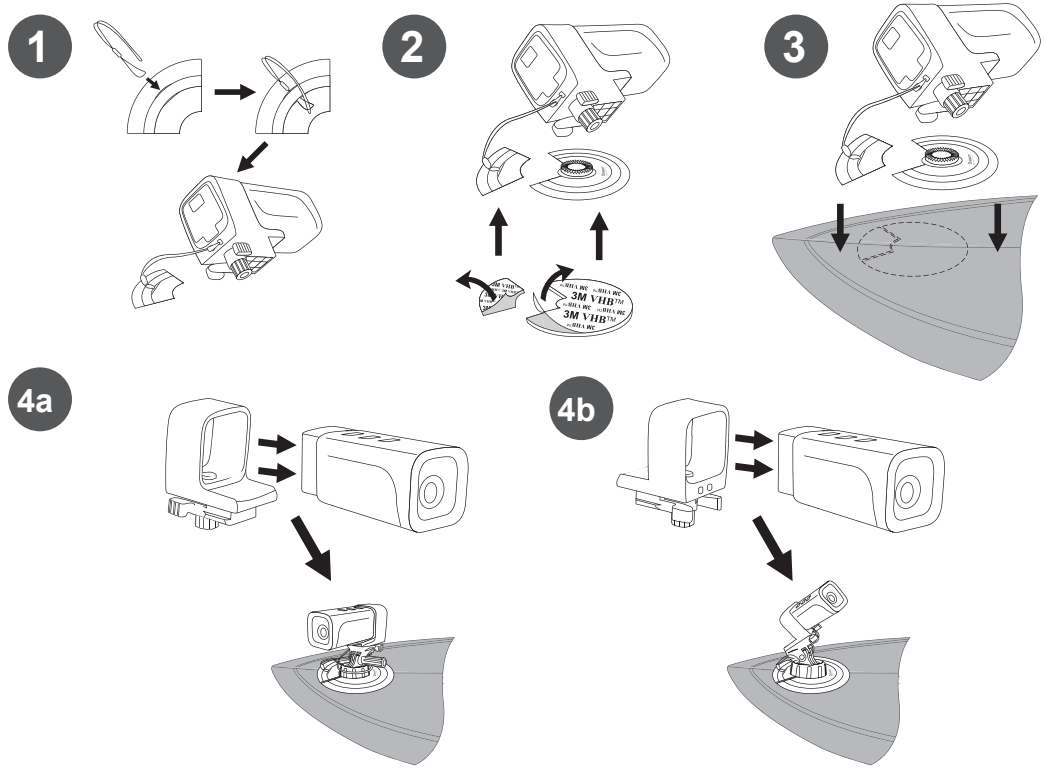
Surf Mount



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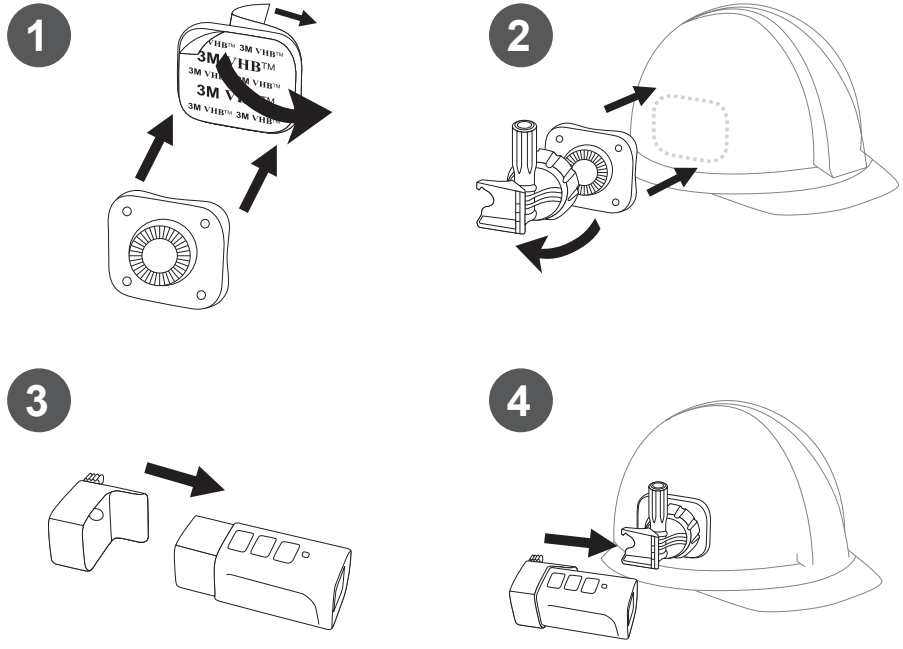

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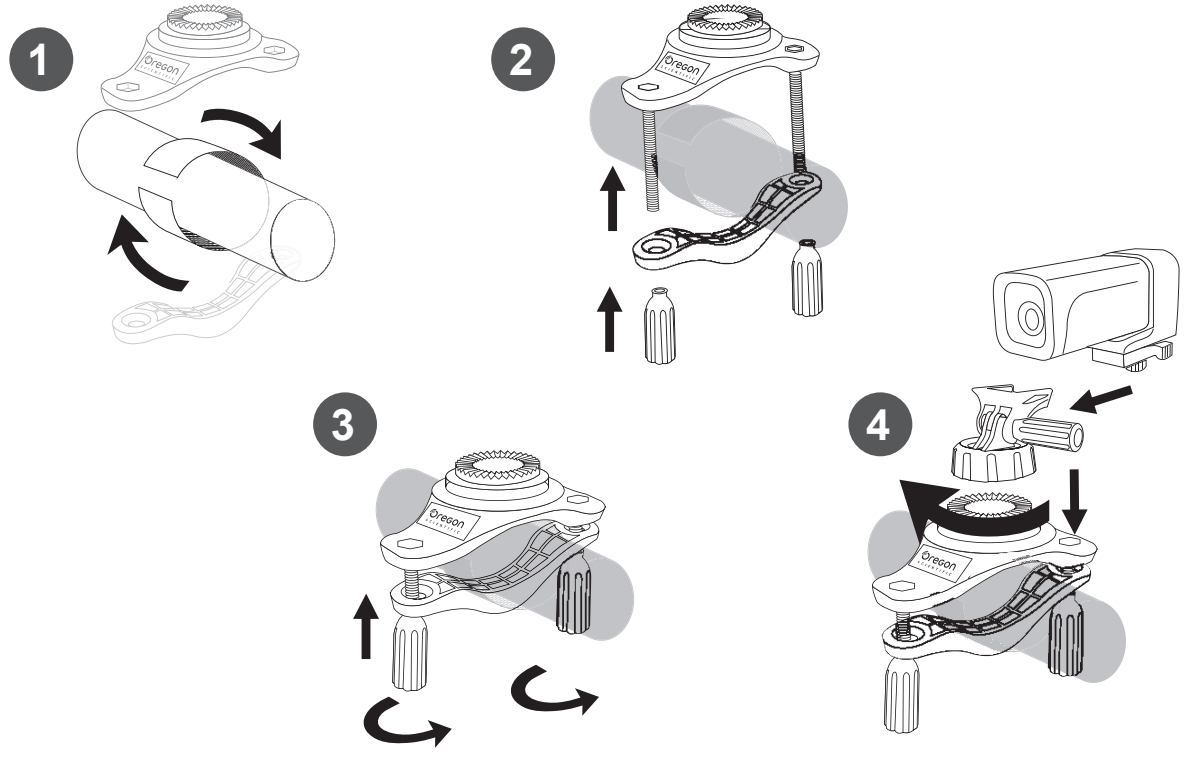
Handlebar Mount



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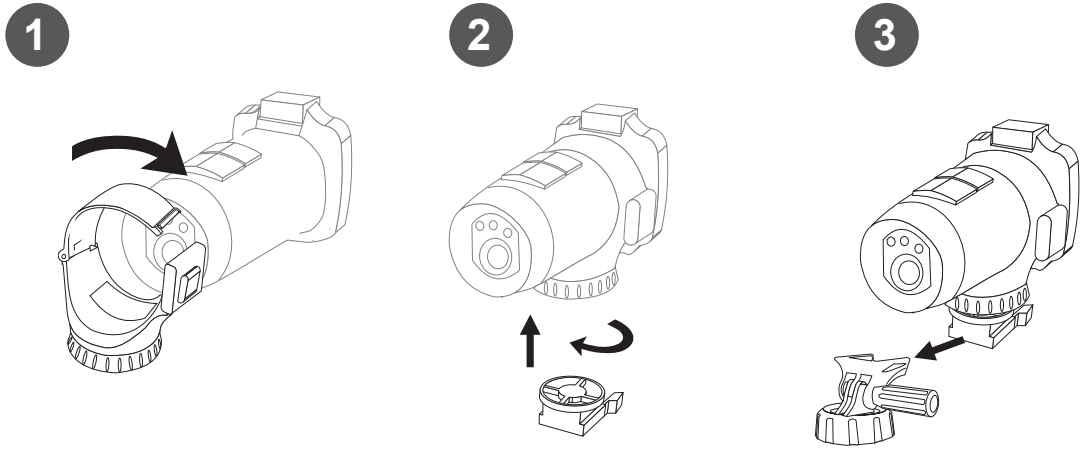

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