



Life. Camera. Action!

www.activeon.com

ACTIVEON
ACTION CAMERA

LX

USER MANUAL





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USER MANUAL

ACTIVEON

ACTION CAMERA

「Please read this manual completely and thoroughly before use!」

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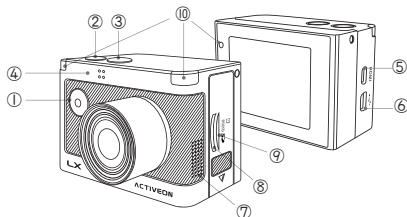


RoHS

LX

1. Names of each part

- ① Power / REC. / Select
- ② Setup / Quick setup / right
- ③ Mode / Zoom / Left
- ④ Internal MIC
- ⑤ Micro HDMI Port (Cable not included)
- ⑥ Mini USB Port
- ⑦ Speaker
- ⑧ Micro SD Slot (SD Card not included)
- ⑨ Li-ion battery slot
- ⑩ LED Indicator



2. Operation & button description

- ACTIVEON LX is operated by three buttons (Button , SETUP, MODE)
- Button () means 'POWER / REC. / SELECT'.
- Button (SETUP) means 'SETUP / QUICK SETUP / RIGHT'.
- Button (MODE) means 'MODE / ZOOM / LEFT'.
- The definition of each button is as below table.

Function	Button	Description
Power On / Off		Press the POWER button and hold for 2 seconds * If Auto Power off is set, the camera will automatically shut down in 3 minutes when there is no operation.
REC Start / Stop		Press the () button to start video recording or photo shoot
Switch Mode	MODE	Press the (MODE) button and hold for 2 seconds to switch modes (Video, Photo, Playback)
Quick Setup	SETUP	Press the (SETUP) button to change quick setup before recording
Enter Quick Setup		Press the () button to confirm to enter the quick setup menu

Function	Button	Description
User Setup	SETUP	Press the (SETUP) button and hold for 2 seconds to enter user setup mode
Change setting category	SETUP	Within user setup mode, press (SETUP) button to switch category
Enter Setting Menu	MODE	Within user setup mode, press (MODE) button to enter setting menu in each category
Confirm setting menu		Within user setup mode, press () button to confirm setting menu
Zoom Mode	MODE	Press MODE button to enter zoom mode
Zoom-in	SETUP	Press SETUP button to zoom-in (max. 4x enlarge) 1x → 2x → 3x → 4x → 1x

3. Start the camera

1. Open the battery cover and insert ACTIVEON LX Li-ion battery.
2. Open the battery cover and insert Micro SD card. (The camera does not record when there is no Micro SD inside)
3. Press the shutter POWER () button and hold for two seconds.
The camera turns on and LCD monitor shows camera image.

4. LCD screen shot

Video screen



Photo screen



No.	Function	Description
①	Current mode	Shows current shooting mode (video or photo)
②	WiFi	Shows WiFi connection status
③	Zoom	Shows current zoom level
④	Memory capacity	Shows usable memory capacity in percentage (%)
⑤	Battery	Shows battery capacity status
⑥	Recording option	While shooting video or photo, it shows current recording option
⑦	Resolution	While shooting video or photo, it shows resolution and speed
⑧	Image quality	While shooting video or photo, it shows image quality
⑨	WiFi Hotkey	Shows WiFi connectivity (WiFi OFF/APP/RC/EXIT)

5. Graphical icon description

Mode	Function	Icons	Description
ALL	Current mode		Video Recording Mode
			Photo Shooting Mode
	WiFi		WiFi signal activated
			WiFi signal deactivated
	Zoom		Zoom level (Upto x4) * Zoom function will be disabled during high speed recording (720p 120fps / 480p 240fps)
	Memory capacity		Shows usable memory capacity in percentage (%)
	Battery		Shows battery capacity status
VIDEO	Recording options		Video recording starts and stops by Shutter REC(Ⓢ) button only.
			Record consecutive videos files of setup time continuously. (1min / 5min / 10min / 30min) - maximum 4GB in each file Press (Ⓢ) button to stop.
			Recording automatically stops in setup time.
			Captures one image in setup time and save as time lapse video file. (1sec / 3sec / 5sec / 10sec / 30sec) Press (Ⓢ) button to stop.

Mode	Function	Icons	Description
VIDEO	Resolutions		Full HD (1920x1080) 30fps video recording
			(1280x960) 30fps video recording
			Real HD (1280x720) 60fps / 30fps video recording
			
			WVGA (848x480) 60fps / 30fps / 120fps video recording <u>* In 480p 120fps video, time-lapse mode will not be activated.</u>
			
			
	Image quality		Super fine video image quality <u>* Use CLASS10 memory card only</u>
			Fine video image quality
			Normal video image quality
	WiFi Hotkey	  	Shows WiFi connectivity (WiFi OFF/APP/RC/EXIT)

Mode	Function	Icons	Description
Photo	Photo shoot options		Single photo shooting
			Captures each image of setup time and save as photo. (2sec / 3sec / 5sec / 10sec / 30sec / 60sec) Press shutter REC. (⦿) button to stop.
			Burst photo shooting (35 photo images for 5 seconds)
	Image Size		3.15MP (2048x1536) 4:3 ratio
			3.5MP (2304 x 1536) 3:2 ratio
			3MP (2304 x 1296) 16:9 ratio
	Image quality		Super fine photo image quality (* Use CLASS10 memory card only.)
			Fine photo image quality
			Normal photo image quality
	WiFi Hotkey		Shows WiFi connectivity (WiFi OFF/APP/RC/EXIT)



6. Video recording

1. After the camera is turned on, press (●) button to start video recording.
2. When the camera starts to record, LED light blinks* and shows recording time on LCD.
3. Press (●) button to stop recording.
4. Without entering user setting menu, user can select video 'QUICK SETUP' before start recording.
(* If 'LED off' option is selected in user setup, LED light will not blink.)

7. Photo shoot

- Press (MODE) button and hold for two seconds to change to photo camera mode.
 - Mode changes as
(video mode → photo mode → playback mode → video mode) in turn.
1. Press (●) button to shoot photo.
 2. In time lapse photo mode, press (●) button to stop photo shooting.
 3. Without entering user setting menu, user can select photo 'QUICK SETUP' before start shooting.

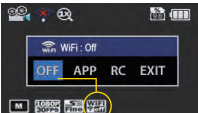


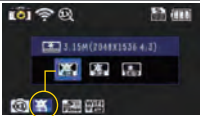
8. Quick setup

• Without entering user setting menu, user can adjust various quick setups in live screen.

1. Press (SETUP) button to select quick setup options on bottom of the screen.
2. Quick setup mode changes as
(**recording option** → **resolution** → **image quality** → **wifi on/off** → **exit**) in turn.
3. Select the quick setup option and press (⊙) button to adjust setting option.
4. In setting option, press (SETUP) and (MODE) button to choose setting option.
5. Press (⊙) button to confirm setting option.

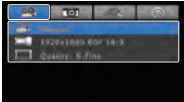
Quick setup screen	Operation
	• Video quick setup screen • Press (SETUP) button to go to quick setup • Select recording options • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option

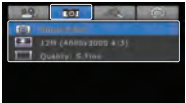
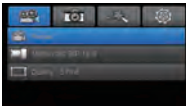
Quick setup screen	Operation
	• Video quick setup screen • Press (SETUP) button to go to quick setup • Select video resolution and recording speed • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option
	• Video quick setup screen • Press (SETUP) button to go to quick setup • Select image quality • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option
	• Video quick setup screen • Press (SETUP) button to go to quick setup • Select WiFi connectivity • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option

Quick setup screen	Operation
	• Photo quick setup screen • Press (SETUP) button to go to quick setup • Select photo shooting option • Use (SETUP) and (MODE) button to choose option • Press (OK) button to confirm setting option
	• Photo quick setup screen • Press (SETUP) button to go to quick setup • Select image size • Use (SETUP) and (MODE) button to choose option • Press (OK) button to confirm setting option

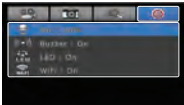
9. User setup menu

- User can select basic settings and detailed setting options through user setup menu.
 1. Press (SETUP) button and hold for 2 seconds to enter user setup menu.
 2. User setup menu is divided into four categories (video, photo, effect, settings)
 3. Press (SETUP) button to move category.
 4. Press (MODE) button to enter the sub-menu.
 5. Press (OK) button to select and confirm setting option within sub-menu.

Function	Sub menu	Description	
	Recording option	Manual	
		Timer 1min, 5min, 10min, 30min	
		Time lapse 1sec, 3sec, 5sec, 10sec, 30sec (captures each image of setup time and save as video file)	
		Multi file REC. 1min, 5min, 10min, 30min (record consecutive video files of setup time)	
	Resolution	NTSC	PAL
		1080p 30fps	1080p 25fps
		960p 30fps	960p 25fps
		720p 60fps, 30fps	720p 25fps, 50fps
		480p 30fps, 60fps, 120fps	480p 25fps, 50fps, 100fps
	Image quality	Super Fine (*Use CLASS10 memory card only)	
		Fine	
		Normal	

Function	Sub menu	Description
Photo 	Recording option	Manual
		Time lapse 2sec, 3sec, 5sec, 10sec, 30sec, 60sec (captures each image of setup time and save as photo)
		Burst photo-shooting (35 photo images for 5 seconds)
	Resolution	3.15M (2048 x 1536) 4:3
		3.5M (2304 x 1536) 3:2
		3M (2304 x 1296) 16:9
Effect 	Image quality	Super Fine (*Use CLASS10 memory card only)
		Fine
		Normal
	Upside down	Camera Upside down On/Off
	Aqua Mode	On / Off . When the camera is shooting underwater, select 'aqua scene on' to give more vivid color images in the scene
	Exposure	High / Middle / Low
	Black / White	On / Off

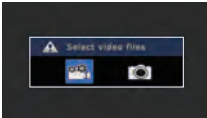


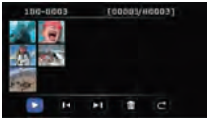
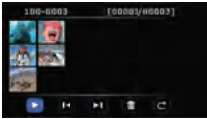
Function	Sub menu	Description
	Mic. Volume	Off, 30%, 60%, 100%
	Buzzer	Buzzer On / Off
	LED	LED On / Off
	WiFi	WiFi On / Off
	TV Out	NTSC / PAL
	TV OSD	TV OSD On / Off
	Time	Set current time (YYYY/MM/DD HH:MM)
	Format	Yes / No. Memory card format
	Default Setting	Yes / No Turn back all settings to default
	Auto LCD Off	Yes / No LCD will automatically turn off in 30sec when there is no operation
	Auto Power Off	Yes / No The camera will automatically turn off in 3min when there is no operation.
	Info	Shows current firmware version



10. Playback mode

- Press (MODE) button and hold for two seconds to change to playback mode.
- Mode changes as
(**video mode** → **photo mode** → **playback mode** → **video mode**) in turn.
- User can view recorded video or photo through LCD screen of the camera.
 1. In playback mode, press (⊙) button to select the file type to playback(video or photo)
 2. Thumbnail of recorded file will be displayed.
Press (SETUP) and (MODE) button to use control panel, and select the file by pressing (⊙) button.
 3. While the file is playing, you can press (SETUP) and (MODE) button to use control panel and select the file by pressing (⊙) button.

Playback mode	Operation
	• In playback mode, select the file type to playback (<u>video</u> or <u>photo</u>) • Press (SETUP) and (MODE) button choose file type • Press (⊙) button to select

Playback mode	Operation
	• Thumbnail of video files. Select the file to play • Press (SETUP) and (MODE) button to use control panel • Press (⊙) button to select
	• Video playback • Press (SETUP) and (MODE) button to use control panel • Press (⊙) button to select
	• Thumbnail of photo files. Select the file to display. • Press (SETUP) and (MODE) button to use control panel • Press (⊙) button to select



Playback mode	Operation
	• Photo playback • Press (SETUP) and (MODE) button to use control panel • Press (O) button to select

11. Recharging battery

- LCD will show the low battery icon when the battery is too low and close to the cut off level.
 - The camera will save the file, if it is recording, and then turn off. Then, you must recharge your battery.
 - It will take about 3.5 hours for full charging by USB.
 - You can use a Battery Charger (optional accessory) for quick charging.
It will take about 2.5 hour for full charging.
1. Turn off the camera.
 2. Connect the camera USB port to your computer via USB cable.
 3. Status LED will be turned on and battery recharging will be started.
 4. LED will be turned off when it is fully charged.



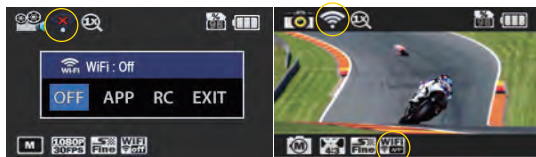
12. Smartphone control

- Utilizing WiFi function of ACTIVEON LX, user can control the camera through smartphone.
- Compatible with iOS ver. 5.0 or better, Android OS Ginger Bread or better.
- Before connect the camera, download 'ACTIVEON APP' application from smartphone app store.
- Search for 'ACTIVEON APP' in iPhone App Store or Google Play Store

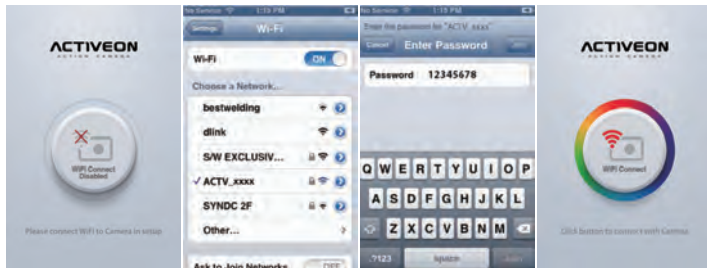
- * While smartphone is connected to the camera, camera button operation will be disabled.
- * Select all settings of the camera before connect to your smartphone.
- * 'ACTIVEON APP' features will be upgraded through application update through your smartphone.

13. Connect ACTIVEON LX to smartphone(using ACTIVEON App)

- Turn on 'WiFi APP' function in ACTIVEON LX.
- Wait 1 min to activate WiFi signal in the camera.
(For the first time connection)
- WiFi signal is activated.
- WiFi is ready to connect.



- 'ACTIVEON APP' is not connected to ACTIVEON LX.
- Setup WiFi connection between the camera and the smartphone.
- Enter 'Setup' of smartphone.
- Select 'ACTV_XXXX' in WiFi setting.
- Default password is '12345678'
- Run 'ACTIVEON APP' application in smartphone.
- Click 'Connect' button in application to connect ACTIVEON LX.
- Smartphone screen will display live screen of the camera.



- Control the camera through the control panel of smartphone application.

① Live screen display	Shows live screen display	④ Viewer mode	Video/Photo viewer Video/Photo download : User can select to download video file size between original size and reduced size. Note: Timelapse or 240fps recording supports only original size.
② Video mode	Start / Stop video recording		
③ Photo mode	Start / Stop photo shooting	⑤ User Settings	Change camera settings



Live Screen / REC. Mode

Mode Select

Viewer Mode

Note:

1. Downloading will be cancelled when telephone rings or application program is closed.
2. While smartphone is connected to the camera, the camera button operation will be disabled.
3. 'ACTIVEON APP' features will be upgraded through application update of your smartphone.
4. It does not support 'live screen', 'preview' and 'reduced size file downloading' in timelapse video or recording speeds of 120 fps and up.



14. Transferring data to computer (compatible both in Windows & Mac OS)

- If the camera is connected to a computer or Battery Charger while it is powered off, the camera starts to recharge the battery.
 - If the camera is connected to a computer while it is powered on, the camera changes to file-transfer mode.
 - While the camera is connected to a Battery Charger or Car charger for recharge, the camera can record while it is recharging.
1. Power on ACTIVEON LX.
 2. Connect the camera to a computer via USB cable.
 3. The camera LCD will display as 'USB Ready'.
 4. Go to 'my computer' in PC.
 5. Search 'removable disc'.
 6. Double click 'removable disc'.
 7. Double click 'DCIM' folder.
 8. Open the folders to find video or photo file.
 9. Copy and paste files to the computer.





15. Firmware Update (find the latest firmware in www.activeon.com)

- You can always find the latest firmware updates of ACTIVEON products on the website.
www.activeon.com
- Firmware upgrade may not available if battery is too low.
Recharge up to two cells of battery gauge for proper upgrade.
 1. Format the memory card, and copy firmware file to the root directory of Micro SD card.
 2. Insert the Micro SD to ACTIVEON LX and turn on power.
 3. Firmware upgrade will be automatically started as showing the updating status on the LCD screen.
 4. When upgrade is completed, the camera shows 'F/W Updating' and automatically turns off.
(*Do NOT turn off the device or take out the battery during firmware upgrade.)





16. Features and specifications

- "ACTIVEON LX " 1080p 30fps Action camera
- FULL HD (1920 x 1080) resolution, 30fps recording
- 60m waterproof housing
- 3.5M Pixel high precision digital Image CMOS sensor
- 140° wide-angle field of view (FOV)
- Built in 2.0" LCD (320x240)
- Built in WiFi antenna
- Versatile recording resolution (1080p / 960p / 720p / 480p)
- Burst photo-shooting (35 photo images for 5 seconds)
- H.264 codec, saved as MP4 format
- Rechargeable Li-ion battery
- Battery running time : Approximately 150 minutes of continuous recording (1080p 30fps)
(* recording time may vary, depends on environmental condition.)
- Recharging time : 3.5 hours by USB
- 1.5 hours by AC adapter (Optional Accessory)
- Easy graphical user interface in LCD display
- Full line of mounting accessories

17. Package Includes

Note: A microSD card is not included with the camera. A high-performance microSD card is recommended for your ACTIVEON camera.



· ACTIVEON-LX



· Waterproof Housing



· Opened Backdoor



· Flat Adhesive Mount



· Curved Adhesive Mount



· Long connector



· Short connector



· 90° Pivot Connector (Short)



· Extension Connector



· 90° Pivot Connector (Long)



· Screw(x3)



· Rechargeable Battery



· USB Cable



· Pouch

LX

NOTICE

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ACTIVEON
ACTION CAMERA

CAUTION

It could be exploded if the battery is inappropriate type. Please insert proper type of battery according to instructions.



The symbol means that according to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Some collection points accept products for free. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

FCC RADIO FREQUENCY INTERFERENCE STATEMENT

FCC ID : 2AAHK-MST-X7, 2AAHK-1EXR100, 2AAHK-ACT-LX

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.

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 on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

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

RF Exposure Information (SAR)

NOTE : This appliance and its antenna must not be co-located or operation in conjunction with any other antenna or transmitter. A minimum separation distance of 20 cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements.

This device meets the U.S. government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate(SAR). The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC, with the device transmitting at the certified power level in all tested different channels.

The FCC have granted an Equipment authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC , and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID : 2AAHK-MST-X7 , 2AAHK-IXR100

This device is compliance with SAR for general population / uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET bulletin 65 Supplement C.

LX

Warranty

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English

ACTIVEON LIMITED WARRANTY

This limited warranty is provided by ACTIVEON to the original end-user purchaser ("Purchaser"), when delivered in new condition in its original container.

The Product is warranted to be free from manufacturing defects under normal use and service for a period of 12 months from the date of original purchase ("Warranty Period"). Where there is no evidence of the date of original purchase, ACTIVEON shall consider the date of manufacture as the date of original purchase.

If the Product is returned to an ACTIVEON and ACTIVEON concludes in its discretion that the product is defective in manufacture, ACTIVEON may, at its sole discretion and without charge (a) exchange the Product for a new Product, or (b) exchange the Product for a refurbished Product.

Exchange or replacement of the Product does not extend the original warranty period of the Product.

No warranty shall be provided if the Product is damaged through the negligence or fault of others, abuse, mishandling, improper packaging by you, alteration, accident, electrical current fluctuations, failure to follow ACTIVEON's operating and maintenance instructions, or if services are performed to the Product by someone other than ACTIVEON or its authorized service provider. Water, environmental, sand, and corrosion damage; battery leakage, scratches, or damage to the Product will be presumed to have resulted from misuse, abuse or failure to operate the Product as set forth in the operating and maintenance instructions. No warranty shall be provided if the Product has had its serial number or dating altered or removed.

ACTIVEON SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE DURING OR AFTER THE EXPRESS WARRANTY PERIOD STATED ABOVE, AND NO OTHER EXPERT WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, SHALL BE BINDING ON ACTIVEON. (SOME STATES AND PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU) ACTIVEON SHALL NOT BE LIABLE FOR AND SPECIFICALLY DISCLAIMS LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, ANY ACCIDENT, INJURY, DEATH, LOSS OR OTHER CLAIM RELATED TO OR RESULTING FROM THE USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OR MISUSE OF, OR INABILITY TO USE, THE PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED. ACTIVEON SHALL NOT BE LIABLE FOR WATER HOUSING LEAKAGE OR ANY RESULTING DAMAGES CAUSED BY USER'S REVEALING ERROR. IN NO EVENT SHALL RECOVERY OF ANY KIND AGAINST ACTIVEON BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT, WITHOUT LIMITING THE FOREGOING, THE PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE, THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF ACTIVEON. (SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU). THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE PRODUCT, AND IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

For assistance (USA) – If you purchased ACTIVEON product in USA and have questions regarding the product or this Limited Warranty, please call 1-858-798-3300. Or visit www.activeon.com

It is the Purchaser's responsibility to properly package and send the Product, together with a copy of the original proof of purchase, an explanation of the problem, and a return address to ACTIVEON at the Purchaser's expense. If the Product covered by this limited warranty and proven to be defective upon inspection, it will be serviced and returned to the Purchaser at no charge. Any received Product that is not covered by this limited warranty or is beyond the Warranty Period will be returned as it is.





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