

BALCO™

4K ACTION CAMERA



MODEL NUMBER: HE180433

INSTRUCTION MANUAL

Important

Getting the most out of your Action Camera:



Read the manual carefully

It will help you set up with ease



Visit www.balcolifestyle.com/uk

We have additional support videos and guides



Call After Sales Support - 44 800 496 9698



Email customercare@balcolifestyle.com

We're always happy to help

Warranty Note

If you experience any issues with this product or its performance is not what you had expected, please contact us at Balco Brands before returning the item to the store.

It is likely that we can resolve any problems for you via phone or email.

We can be reached on:

Phone: 0800 496 9698 (24/7)

Email: customercare@balcolifestyle.com

Web: www.balcolifestyle.com/uk

Safety Instructions

- Do not leave the camera in high temperature environments (over 35°C), especially in a parked car with the windows closed in summer. High temperatures may shorten the life span of this electronic device, damage the battery or melt plastic parts
- To reduce the risk of damaging components, do not expose this product to dusty, dirty, or sandy areas
- Do not dry the camera with an external heat source such as a microwave oven or hair dryer
- Do not operate in or expose the Action Camera to the following conditions: direct sunlight, air conditioners, heaters or any other extreme temperatures. Avoid violent vibration. Never store next to a heat source or in dirty, humid or wet places
- Handle with care. Avoid dropping the Camera, especially on a hard surface. Do not crush, squeeze, puncture, bend, deform, shred or submerge the Action Camera in liquid
- Exposing the Action Camera to open flames can cause an explosion
- Do not operate the product with wet hands. Doing so may cause an electric shock
- Keep the camera clean. To maintain, regularly wipe with a clean, dry, lint free cloth
- Press the buttons gently. Pressing too hard can damage the product
- Do not attempt to dismantle, modify or repair the unit yourself. This will void the warranty. Doing so may also cause fire, electric shock, or malfunction. Send the camera or any other accessories to a professional service centre for maintenance if and when required
- Do not use a damaged or modified USB cable with the camera. Damaged or modified power cords may cause an explosion, fire, or malfunction
- This product is intended for personal use only and is not intended for commercial use
- Keep out of reach of infants, children, or pets. There is a risk of them swallowing small components. Children should be supervised to ensure they do not play with this appliance. Close supervision is necessary when any appliance is used by or near children
- No responsibility will be taken for damages suffered by the user or third parties as a result of inappropriate handling or use of the product, its accessories or by operational failure.
- The illustrations included in this user manual are for reference only
- The supplier is NOT responsible for the loss of any data/content during operation
- Attention should be drawn to the environmental aspects of battery disposal
- Do not store batteries with hazardous or combustible material; store in a cool, dry, ventilated area away from excessive heat, direct sunlight or fire
- **CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type
- Battery shall not be exposed to excessive heat such as sunshine, fire or the like
- Only use attachments and accessories specified by Balco
- Unplug this apparatus during lightning storms or when unused for long periods of time
- Before you start using the Action Camera it is assumed that you agree to the above statements

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Hereby, Balco Brands declares that the radio equipment Action Camera is in compliance with Directive 2014/53/EU and 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://balcolifestyle.com/download/HE180433-ECD0C.PDF>



This product complies with EU WEEE Directive (2012/19/EU). This product bears a classification symbol for waste electrical and electronic equipment (WEEE).

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



Packaging materials of the product are manufactured from recyclable materials in accordance with our National Environment Regulations. Do not dispose of the packaging materials together with the domestic or other wastes. Take them to the packaging material collection points designated by the local authorities.



Batteries and rechargeable batteries may not be disposed of with household waste!

As the end user you are required by law to bring all batteries and rechargeable batteries, regardless of whether they contain harmful substances* or not, to a collection point run by the city or county, or to a retailer, so that they can be disposed of in an environmentally friendly manner.

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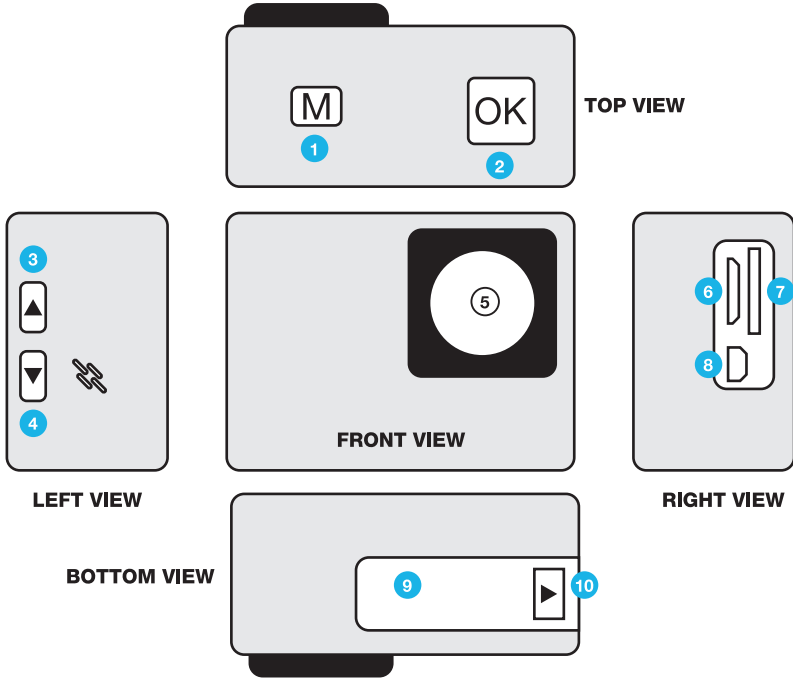
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Model Number HE180433

Product Overview



- | | |
|-----------------------------|-----------------------|
| 1. Power / M Button | 6. Micro USB port |
| 2. OK / shutter button | 7. microSD card slot* |
| 3. Up / Wi-Fi button | 8. Micro HDMI port |
| 4. Down / microphone button | 9. Battery door |
| 5. Lens | 10. Battery latch |

*microSD card is not included

Description of function keys:

- **Power / M button:** Turns the Action Camera on and off. Switches between modes of Photo & Video. Yellow LED lights up when the Action Camera is on
- **Up / Wi-Fi indicator:** Move up in a menu. Or hold button down for 3 seconds to activate the camera's Wi-Fi network
- **Down / microphone button:** Move down in a menu. Or hold button down for 3 seconds to activate the audio in video mode
- **microSD card slot:** Supports up to 128GB (Not included - To record in 4K you will need at least a Class 10 microSD card)
- **Micro USB port:** To charge the camera or transfer data to and from computers
- **Micro HDMI port:** To connect the Action Camera external screens
- **OK/Shutter button:** Take a photo/start video recording/stop video recording/confirm a selection. Hold for 3 seconds to enter Action Camera's menu

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Model Number HE180433

Parts List



- 1. Waterproof housing
- 2. Handlebar/pole mount
- 3. Mount 1- Buckle mount
- 4. Mount 2 - Vertical surface buckle mount
- 5. Mount 3 - Tripod mount
- 6. Mount 4 - Mounting system
- 7. Mount 5 - Mounting system
- 8. Mount 6 - Mounting system
- 9. Mount 7- Universal screw adaptor
- 10. Mounting frame
- 11. 4x hook and loops straps
- 12. Helmet mount 1
- 13. Helmet mount 2
- 14. 2 x 3M adhesive tabs
- 15. Tethers
- 16. Metal tether
- 17. Spare protective back door
- 18. Micro USB cable
- 19. Micro fibre cloth
- 20. Carry case (Not shown)



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Setup & Operation

Opening the Waterproof Housing

1. With the camera display screen facing you, lift the black bracket from the lens side upwards
2. Swing bracket down towards screen
3. Bracket will release from the rear door of the waterproof housing
4. Open the rear door in a downward motion to access the camera

Charging the batteries

1. Connect the camera to a computer or use a standard 5V 0.5A wall adaptor using the supplied USB charging cable
2. The LED beside the screen will turn red. When the battery is fully charged the LED light will turn off completely

NOTE:


- The cameras take around 4 hours to fully charge
- Once charged always disconnect power.
- Do not leave a fully charged battery on charge. The battery will continue charging and this will impact the battery life.

Inserting a microSD card

The Action Camera does not have any internal memory. A microSD card (not included) must be inserted for the Action Camera to record footage and capture images

1. While the Action Camera is off, insert a microSD card into the port on the side of the Action Camera until you hear a small click. When fully inserted into the Action Camera, you will feel a small click. Your Action Camera is now ready to record and capture images
2. To remove the microSD card, turn off the camera then push the card in slightly until you hear a click, the card will then pop out from the Action Camera for removal

NOTE:

- **To get the best from your footage you need use a class 10 or above card. Check for this logo  on your SD Card to know the class**
- **Class 10 is in reference to the speed of the card, meaning the minimum speed is 10MB/s. To get the best footage look for cards that have a high MB/s speed**
- Do not use a microSD card with a capacity over 128GB
- **CAUTION:** If you are installing a previously used memory card into the camera, make sure to back up any data stored on the card, to avoid possible data loss



Setup & Operation

Waterproof housing

The camera comes supplied with a transparent waterproof housing, which allows you to take video footage or photos in wet conditions or under water at a depth of up to 30 meters.

1. To use the camera with the waterproof housing, observe the following:
2. Place the camera in the waterproof housing and close it carefully using the locking clip located at the top of the case. Make sure the latch lock key is securely in place
3. Once the camera is securely installed, you can use the ON/OFF and Shutter buttons by pushing the buttons located on top of the waterproof housing

WARNING: *Once the camera is secured in the case, make sure that all seals are in place to prevent water intrusion.*

Before using the camera in wet conditions

1. Before sealing the case, ensure the rubber seal of the camera housing is clean — even a single hair or grain of sand can cause a leak. You can test watertightness by closing the case without inserting the camera
2. Submerge the empty case completely in water for about a minute. Remove the case from the water, dry off its exterior with a towel, then open the case. If the entire interior is dry, the case is safe for use underwater
3. After using the camera in saltwater, rinse the outside of the housing with non-saltwater and dry. If not properly cleaned, corrosion can occur on the hinge and the pin, which can cause failure.

WARNING: *Do not use aggressive substances such as acetone to clean the case, as these can cause permanent damage*

4. To clean the seal, rinse in fresh water and shake dry (drying with a cloth may cause lint to compromise the seal). Re-install the seal into the grooves in the back door of the housing



Setup & Operation

Powering on & off

- 1. Power on:** Press and hold the **M** button for about 3 seconds; the screen will start up and the camera will enter standby mode
- 2. Power off:** While the camera is in an idle state, press and hold the **M** button for 3 seconds to turn the camera off
- 3. Automatic power off:** When the camera has been idle, it will switch off automatically to save power. The idle time can be set to your preference in the settings menu
- 4. Power off due to low battery:** If the camera's battery power has dropped to extremely low levels, the icon will appear on the LCD screen and you will have to recharge the battery

Mode selection

The camera is equipped with two modes: Video  and Photo . After turning on the camera, quick press the **M** button to select the appropriate mode for your intended use

- 1. Video mode:** Record videos
- 2. Photo mode:** Take photos

These modes can be modified in the Action Camera's menu to the following choices:

Video	Photo
Slow Motion	Auto
Loop	Burst
(Time) Lapse	Timer

TIP: If you have changed some settings and find that the camera is not working as it should, you can reset the camera to its original factory settings



Setup & Operation

Video recording



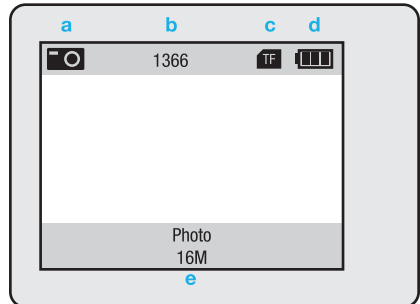
1. Press the **M** button to turn on the camera
2. Select Video mode  with the **M** Button
3. Press the **OK** button to start recording a video
4. While recording, press the **OK** button to stop recording (Video recording will stop automatically if there is no space left on the memory card, or if the battery goes flat)
5. In video mode, the LCD screen will display the following icons
 - a. **Mode:** Indicates that the current mode is Video. When this symbol is red then the camera is recording
 - b. **Storage available:** Shows remaining space on the microSD Card
 - c. **microSD card:** Indicates that a memory card is inserted
 - d. **Microphone:** Indicates if the microphone is active
 - e. **Battery:** Indicates battery level
 - f. **Video quality:** Indicates the quality and frame rate of the recording



Photo mode


1. Press the **M** button to turn on the camera
2. Select camera mode  with the **M** Button
3. Press the **OK** button to take a still picture
4. In camera mode, the LCD screen will display the following icons:
 - a. **Mode:** Indicates that the current mode is Camera. The symbol will be red when a photo is taken
 - b. **Image counter:** Indicates the number of pictures available to be taken
 - c. **microSD card:** Indicates that a memory card is inserted
 - d. **Battery:** Indicates battery level
 - e. **Image resolution:** Indicates the current image resolution



Setup & Operation

Playback


Enter playback mode to browse your photos and videos, and to play videos recorded by the camera

1. Turn on the camera and press the **OK** button for 3 seconds to enter the menu
2. You can press the up/down key to select Playback  option and then press the **OK** button to enter
3. Scroll through the saved videos and photos on your microSD card in Playback
4. To play a video, press the **OK** button to start/pause play video
5. Press the **M** button to stop playing the video
6. Hold the **OK** button for 3 seconds to give the option to delete a Photo or Video

Connecting to an external display

To connect your Action Camera to an external display via the micro HDMI port, you will need to select your desired playback mode first, and then connect the HDMI cable (not supplied) to the Action Camera and your chosen external display


Setting the date and time

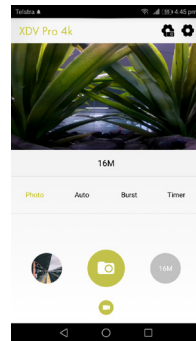
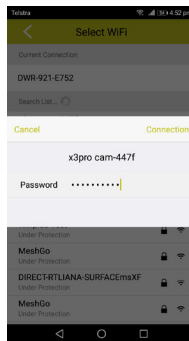
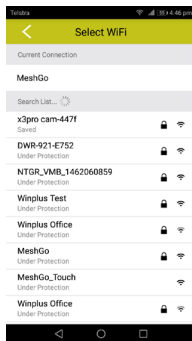
1. Turn on the camera and press the **OK** button for 3 seconds to enter the menu. Press the up/down key to select Settings  option and then press **OK** to enter
2. Press the **M** button to select Settings. From there use the down to go to “Time Set” and “Date Set” to adjust the Action Camera’s internal date and time



Action Camera App

To use Wi-Fi function of your Action Camera, you need to have the “XDV PRO” application installed in your smartphone

1. Search for “XDV PRO” in Google Play (for Android) or App Store (for iOS) to find the app and install it according to the instructions
2. Hold the **OK** button down for 3 seconds access the Action Camera menu
3. Use the arrows & press **OK** on the settings icon . Use **M** to navigate to Wi-Fi settings. Use the arrows & click **OK** to turn on Wi-Fi
4. Disable mobile data on your smartphone or tablet & enable Wi-Fi on your smartphone or tablet
5. Search for the Wi-Fi signal of the Action Camera, then connect it to the camera
6. The system will display “Connected successfully” to confirm
7. You can now control your Action Camera functions via the app



NOTE:

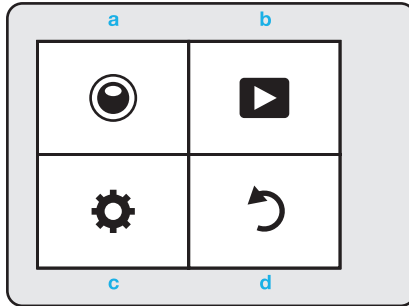
- When connecting to camera for the first time, you will need to enter the password as displayed on the Action Camera. E.g. '1234567890'. Once connected, you can preview the images sent by the Action Camera onto your phone or tablet and record video/photos directly onto your phone
- In 'options mode' you will be able to configure the camera presets before recording
- Mobile upgrades, available phone storage and mobile age can affect the App
- A mobile the phone must be capable of playing 4K to watch footage in 4K

DISCLAIMER: The XDV PRO app has not been developed by Balco. We are not responsible for the operation of the app, its updates, nor its compatibility with all devices

Instructions

Main menu

To access the Action Camera Menu hold the **OK** button for three seconds while the camera is in its Camera / Video Mode. This will show the following Menu screen:



- a. Camera mode
- c. Settings

- b. Playback
- d. Return

Camera mode

Option	Setting	Description
Video	Video	Records in normal time
	Slowly	The video is recorded at a high speed so when played back it is shown in slow motion
	Loop	Sets the video to be replayed as a loop
	Lapse	The video is recorded at a low speed so when played back it is shown in fast motion
Photo	Photo	Takes standard photos
	Auto	Counts down 3 seconds then takes a photo. This will repeat until stopped by the user. The camera will take continuous photos, using the selected duration until the shutter button (OK button) is pressed again
	Burst	Camera takes a burst of three pictures with each button press
	Timer	Counts down three seconds then takes a photo

Instructions

Playback mode

This allows you to select through your photos and videos stored on the internal microSD Card using the **Up** and **Down** buttons and play them back on the Action Camera's screen

Videos or pictures can be deleted individually by holding down the **OK** button for a few seconds. This will give you the option to delete or not. Select delete when highlighted to confirm deletion

Settings mode

Video/Photo settings

Option	Setting	Description
Record resolution <i>Video only</i>	4K 60FPS , 4K 30FPS, 2.7K 30FPS, 1080P 120FPS, 1080P 60FPS, 1080P 30FPS, 720P 240FPS, 720P 120FPS, 720P 60FPS, 720P 30FPS	Choose from different recording resolutions and frame rates
Video length <i>For loop mode</i> <i>Video only</i>	2 min , 3 min, 5 min	Set the maximum length of a recorded video for when loop mode is active
Pixel Inset <i>Photo only</i>	16M , 13M, 8M	Choose between different photo resolutions
Slowly rec <i>For Slowly mode</i> <i>Video only</i>	1080P ~ 720P	Sets the resolution for Slowly mode
Rec interval <i>For Lapse mode</i> <i>Video only</i>	0.5 ~ 60s	Sets the time between photos for Lapse mode
Photo Interval	3s ~ 30s	For auto mode
Photo Frequency	3p/s ~ 10p/s	For burst mode
Countdown	3s ~ 20s	For timer mode
White Balance <i>Allows the removal of unrealistic color casts, so that objects which appear white in person are rendered white in your photo</i>	Auto	Camera analyses the scene and will set the white balance accordingly
	Sunny	Gives neutral colours under midday sun
	Cloudy	Makes it slightly warmer and adds red to the image to neutralise and look more natural
	Incandescent	Usually used for indoors to cool the colour down
	Fluorescence	Similar to cloudy, makes the image warmer
Exposure settings	-3, -2, -1, 0 , +1, +2, +3	Adjust the amount of light which reaches your camera's sensor
Metering mode	Average Metering , Centre Metering, Spot Metering, Matrix Metering	Metering settings work by assessing the amount of light available for a photograph, and then adjusting the exposure accordingly
Sharpness	High, Middle , Low	Adjust the image's overall clarity in terms of both focus and contrast
Video quality	High, Middle , Low	Adjust the quality of the recorded video
ISO	Auto , 100, 200, 400, 800, 1600, 3200, 6400	Measures the sensitivity of the camera's image sensor
Time watermark	On / Off	
Record audio <i>Video only</i>	On / Off	

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General settings

Option	Setting	Description
Image rotation	On / Off	Choose from different recording resolutions and framerates
Wi-Fi	On / Off	Set the maximum length of a recorded video
Wi-Fi information		Provides details to connect to Wi-Fi
Reset Wi-Fi		If phone cannot connect to Wi-Fi
Light Source Frequency	Auto , 50Hz, 60Hz	Adjust to avoid video flickering from fluorescent lighting
LED Indicator	On / Off	Turn LED indicator on or off
Auto Screen Saver	Off, 30 seconds, 1 minute, 2 minutes	Adjust the image's overall clarity in terms of both focus and contrast
Auto Power Off	Off, 3 minutes, 5 minutes, 10 minutes	Adjust the quality of the recorded video
Button Prompt	Low, Mid, High, Off	Change the volume of button presses
Language Selection	English, Japanese, Italian and more	Change the language of the Action Camera
Time Format	DD/MM/YYYY, MM/DD/YYYY, YYYY,MM,DD	
Time Set		Set device time to your region
Date Set		Set device date to your region
Format		Format the memory card
Device Info		Software version information
Factory Reset		Reset all settings to factory default mode

Technical Specifications

Screen size	2.0 inch
Lens	170° diagonal
Video resolution	4K 60/30FPS, 2.7K 30FPS, 1080P 120/60/30FPS, 720P 240/120/60/30FPS
Video format	H.264
Image resolution	16MP
Slow-mo	4X
Battery	1050mAh
Waterproof	30m (with case)
Input rating	5V DC 1A
Frequency band	2400MHz – 2483.5MHz
Maximum radio-frequency power transmitted	Less than 20dBm

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FAQs

Question	Solution
My camera will not take a photo	<ul style="list-style-type: none">• No SD card installed – install SD card• No memory available. Check your SD card is installed & there is available memory
The message “Unsupported file system, do you want to format” appears on the screen when a MicroSD Card is inserted	<ul style="list-style-type: none">• Remove the SD card & save all footage to another storage device. Then format your SD card and try again OR use a higher speed microSD Card (minimum class 10)
Camera footage is blurry or unclear	<ul style="list-style-type: none">• Check if there is any dirt or fingerprints on the camera lens. Use a clean, dry, lint free cloth to clear the camera lens
Sky or water appears black in photos	<ul style="list-style-type: none">• High contrast scenes may influence the automatic exposure feature of the camera. Adjust the ‘white balance’ & ‘exposure’ settings under the recording settings

Disposal

At the end of its working life, do not throw this product out with your household rubbish. Electrical and electronic products contain substances that can have a detrimental effect on the environment and human health if disposed of inappropriately. Observe any local regulations regarding the disposal of electrical consumer goods and dispose of it appropriately for recycling. Contact your local authorities for advice on recycling facilities in your area.

Please keep the original packaging carton and materials in a safe place. It will help to prevent any damage if the product needs to be transported in the future. In the event it is to be disposed of, please recycle all packaging material where possible.

If you require another copy of this instruction manual, please contact customercare@balcolifestyle.com to obtain an electronic copy

Maintenance and Storage

The Action Camera does not require scheduled cleaning. Should cleaning be necessary, simply wipe the outside surface with a dry soft cloth

Always store your Action Camera in its protective case, store in a clean dry environment and avoid storage in extreme heat or cold.

Battery Care

- Make sure that your Action Camera is switched off after use
- Do not leave a fully charged battery connected to a charger, since overcharging may shorten its lifetime
- Before storing the Action Camera for long periods of time, be sure to fully charge the battery
- When the battery is low and flashing red you must charge the Action Camera
- If the battery is completely discharged, the Action Camera cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the Action Camera
- Always try to keep the battery between 15°C and 30°C. A product with a hot or cold battery may not work temporarily, even when the battery is fully charged

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