TomTom Bandit Reference Guide

1.4

Contents

Welcome 5

Welcome 6
What's new in this release 7
TomTom videos 8
Product Safety Information 9

TomTom Bandit 10

TomTom Bandit Quick Start 11
Removing the Batt-Stick 11
Installing the Batt-Stick 12
Charging your TomTom Bandit 14
Inserting a memory card 15
Setting up 16
Installing the basic mount 16
Installing the 360 pitch mount 17
Switching your TomTom Bandit on and off 20
Recording 21
Video highlights 21
Your TomTom Bandit 23
Getting started 23
About your TomTom Bandit 23
What's on the screen 25
Icons shown on the screen 25
Charging your TomTom Bandit 26
Inserting a memory card 27
Video and Photo modes and settings 27
TomTom Bandit status 29
Switching your TomTom Bandit on and off 30
Connecting to the Mobile app 31
Resetting your TomTom Bandit 31
Updating your camera software 31
Caring for your TomTom Bandit 32
Deleting videos and photos, and formatting the memory card 33
Accessing your videos and photos 33
Viewing metrics on your TomTom Bandit 33
Using peripherals 35
Installing the basic mount 35
Installing the 360 pitch mount 36
Using the bike mount 38
Using the optional remote control 39
Using lens covers 40
Adding sensors 42
Recording videos 45
About recording videos 45
Recording a video 45
Video highlights 46
Adding a manual highlight 46
Taking photos 48
About taking photos 48
Taking single photos 48
Taking burst photos 49
Settings 50
About settings 50
About Bluetooth 50

About Wi-Fi 50
About QuickGPSFix 51
General settings 51

Batt-Stick **56**

About the Batt-Stick 57
Removing the Batt-Stick 58
Installing the Batt-Stick 60
Charging your TomTom Bandit 62
Inserting a memory card 63
Transferring data from the Batt-Stick 64

Bandit Mobile App **65**

About the TomTom Bandit Mobile app 66
Connecting to the Mobile app 67
Log in to TomTom MySports 68
Disconnecting from the Mobile app 69
What's on the screen 70
Video settings 71
Photo settings 72
Video highlights 73
My Library 74
Viewing a video or photo in My Library 75
Adding a highlight to a video 75
Adjusting a highlight 75
Uploading your photos 76
Deleting a video, photo or a highlight 76
Creating a story using the mobile app 77
Settings for Create a Story 77
Shaking your mobile to create a video 77
Manually selecting your video highlights 79
Editing your video story 80
Uploading your video story 81
Camera status 82
Preferences 83
App Settings 83
Data Settings 83
Help us improve 83
About 83

Bandit Studio **84**

About Bandit Studio 85
Log in to TomTom MySports 86
What's on the screen 87
Working with the memory card 88
Importing videos and photos from your computer 89
Working with Originals 90
Adding a highlight to a video 90
Working with Highlights 91
Video highlights 91
Using or deleting a highlight 92
Adjusting a highlight 92
Creating your video story 93
Editing your video story 94
Updating Bandit Studio 95
Studio Settings 96

Addendum and Copyright **97**

Addendum 98
Copyright notices 103

Welcome

Welcome

This Reference Guide explains everything you need to know about your new TomTom Bandit. Using your TomTom Bandit you can easily record your action adventures by doing the following:

- Record videos.
- Automatically and manually add highlights to your videos.
- Easily create video stories from your highlights and share your action adventures using the Bandit Mobile app and Bandit Studio.
- Use your smartphone to quickly and easily publish your video stories online within moments of the action.
- Take single photos or burst photos.

If you want a quick read of the essentials, we recommend that you read TomTom Bandit Quick Start.

To create your video story and share your videos and photos on the move, download the Bandit Mobile app and Bandit Studio from tomtom.com/cam.

Don't forget to login with a TomTom MySports account using the Mobile app, then update your TomTom Bandit with the latest firmware.

To quickly get to know your TomTom Bandit, go to:

- Product Safety Information
- About your TomTom Bandit
- Using the universal mount
- Recording a video
- Taking single photos
- Settings
- Bandit Mobile App
- Bandit Studio

Tip: There are also frequently asked questions (FAQs) at tomtom.com/support. Select your product model from the list or enter a search term.

We hope you enjoy reading about and, most importantly, having fun with your new TomTom Bandit!

What's new in this release

Introducing Bandit Studio

Bandit Studio is the easy way to view your videos and photos, and to create your video story, on your computer.

See Bandit Studio in this Guide for full details.

Connect an external microphone

You can now connect the optional TomTom Bandit external microphone to your TomTom Bandit. The external microphone will give better sound quality than the built-in microphone.

See External Microphone in for more details.

Rotating the camera image

You can choose to rotate the videos and photos your camera makes by 180 degrees. This allows you to mount the camera upside down.

See Image settings for more details

Metrics on the camera screen

You can now view metrics on your camera screen while recording a video or taking photos.

Note: Metrics are only shown when the camera is not connected to the Bandit Mobile app.

See Viewing metrics for more details.

Flight or Airplane mode

Flight or Airplane mode switches off your camera's Wi-Fi and Bluetooth connections to make the camera safe in areas that have restrictions for these types of connections.

See Flight mode for more details.

GLONASS satellites

Your TomTom Bandit now uses GLONASS satellites as well as GPS satellites.

Bandit Mobile app

The Bandit Mobile app has been updated to make it easier to use. Update to the latest version now!

See Bandit Mobile app in this Guide for full details.

TomTom videos

You can find many videos on our YouTube channel to help you learn about your new TomTom Bandit and other TomTom products.

Visit the official TomTom Bandit YouTube Channel to learn more about your TomTom Bandit.

Visit www.youtube.com/user/TomTomOfficial/videos to find out more about TomTom products!

Product Safety Information

Before you use your TomTom Bandit, please read all the safety precautions carefully. Failure to follow the guidelines and instructions could result in an accident or collision that causes **death or serious injury** and/or damage to your TomTom Bandit.

- Obey all local laws and pay close attention to your surroundings before and while using your TomTom Bandit. Never adjust or check your TomTom Bandit while operating a bicycle, a motorcycle, a car, or any other vehicle type.
- Only use approved accessories made specifically for your TomTom Bandit.
- Always wear a helmet and protective gear that is appropriate for your activity.
- Make sure your TomTom Bandit is secure before you start every activity. Regularly check the security of the mount. If the activity involves shocks or vibration, use a lanyard to prevent loss of the TomTom Bandit if the mount fails.
- Never mount your TomTom Bandit in such a way that will obstruct or impair your view. Any major impact (for example, dropping or bumping) may damage your TomTom Bandit.
- Your TomTom Bandit may get hot. Certain parts of your TomTom Bandit could (in rare cases) cause skin irritation.
- Do not use or store your TomTom Bandit in a hot places such as a car, or in dusty, humid or steamy places for extended periods of time.
- With the standard white lens cover your TomTom Bandit is splash-proof. If you want to use the TomTom Bandit in water or underwater to depths down to 40 m (5 ATM), or for activities on the water surface, for example surfing, install the optional **Dive** (IPX8) black lens cover. If any abnormality is found during use, switch off your TomTom Bandit immediately. Water inside your TomTom Bandit or Batt-Stick can cause damage and could cause an explosion or fire.
- The reliability of the camera when you use it under water depends on water pressure, depth changes, water contamination, water saltiness, water temperature, and other environmental factors. Moving the camera vigorously under water at a depth of 40 m (5 ATM) is advised against. If the camera is subjected to vigorous movement underwater, TomTom cannot guarantee that the camera will still function in its full capacity.
- Keep your TomTom Bandit lens cover and Batt-Stick clean, especially the seals. Check the lens cover and Batt-Stick seals for debris, damage and cracks. Small debris and cracks can cause leakage and may damage your TomTom Bandit.
- After every use in water or near sand, mud or other foreign materials, rinse the outside of your TomTom Bandit with clean water. After cleaning, dry the camera with a clean, dry and lint-free cloth. On the Batt-Stick, open the external contact cap and dry both the contacts and the cap. Not doing this can cause corrosion or camera failure.

TomTom Bandit

TomTom Bandit Quick Start

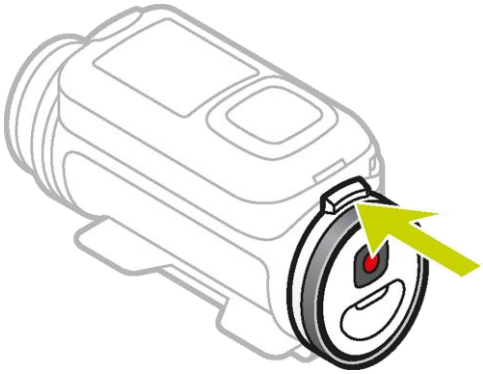
Removing the Batt-Stick

You must remove the Batt-Stick to insert a memory card or to use a different Batt-Stick. You can also use its USB connector to charge the Batt-Stick and transfer files to a computer.

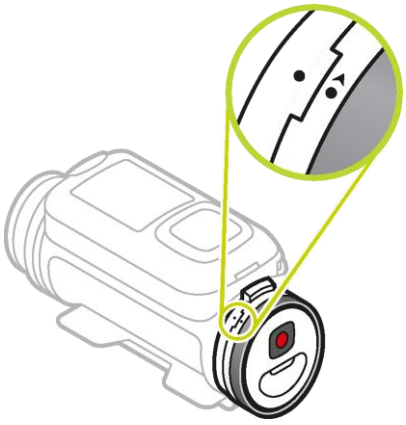
Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

To remove the Batt-Stick, follow these steps:

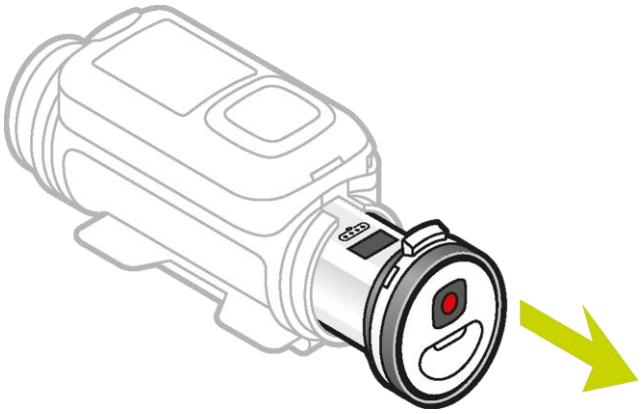
1. Press the release lever of the Batt-Stick.



2. While holding the lever turn the cap anti-clockwise until you see two dots aligned.



3. Pull the Batt-Stick out.



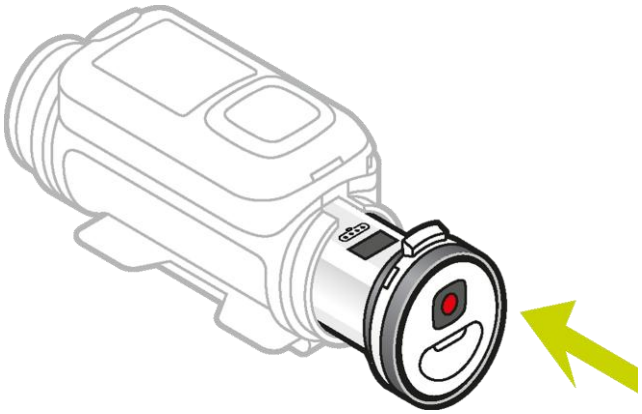
Installing the Batt-Stick

Inserting the Batt-stick

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

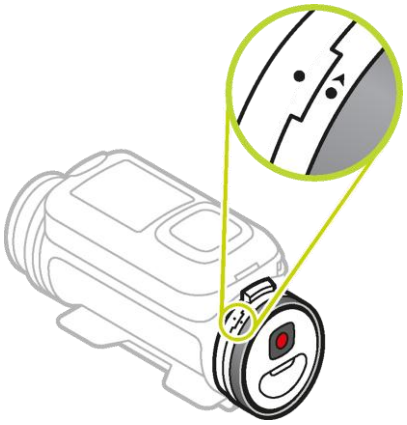
To insert the Batt-Stick, follow these steps:

4. Insert the Batt-Stick into the camera.

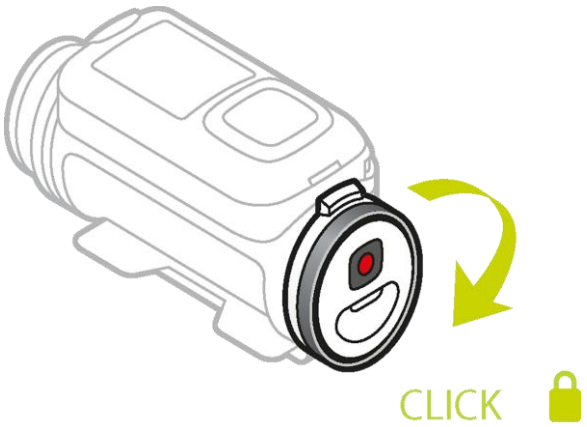


5. Make sure the two dots align and are close together.

Important: If you see only one dot when the Batt-Stick is inserted do not try to turn it. You must first put the Batt-Stick in the unlocked position before you can insert it correctly.



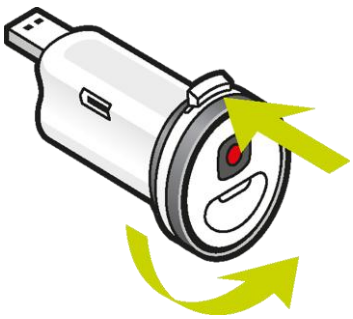
6. Turn the cap clockwise to lock the Batt-Stick into the camera.



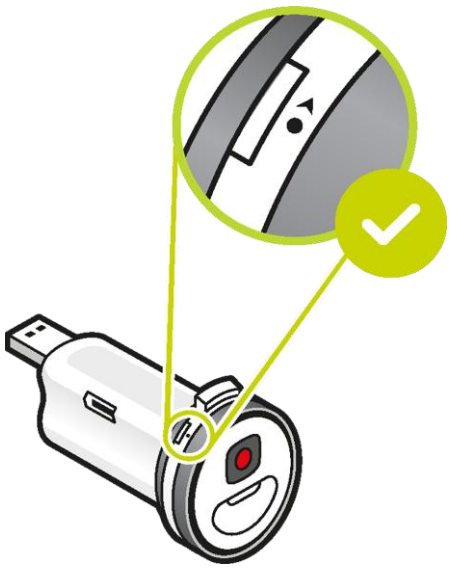
Unlocking the Batt-Stick

To put the Batt-Stick in the unlocked position follow these steps:

1. Hold the Batt-Stick and press the release lever while turning the cap anti-clockwise.



2. When you see a dot and arrow to the left of the release lever the Batt-Stick can be inserted as described above.



Charging your TomTom Bandit

You can charge your TomTom Bandit in the following two ways:

Charging the Batt-Stick using a USB socket

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

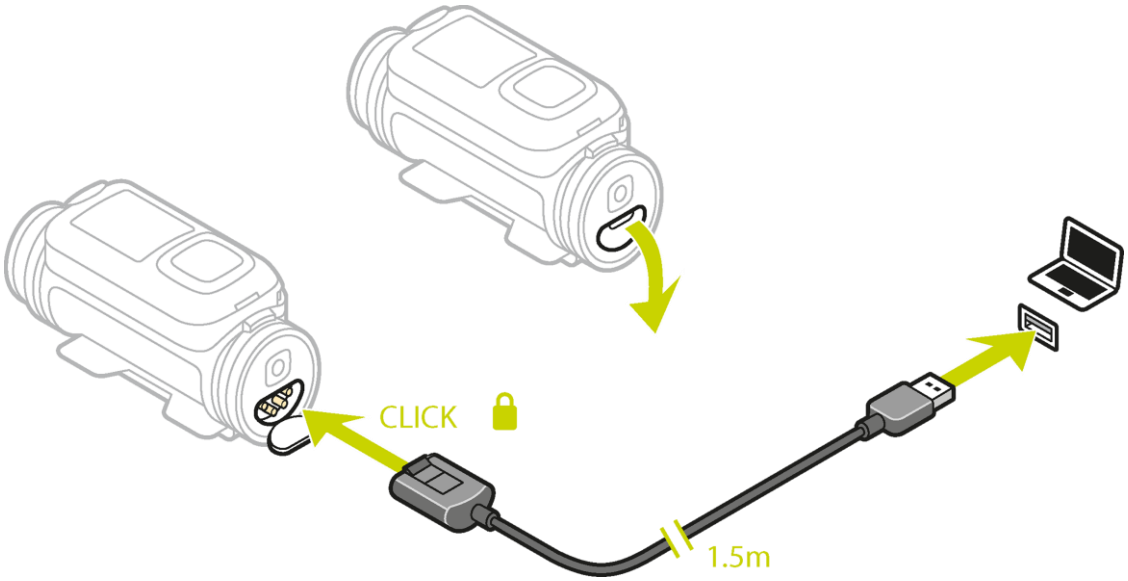
1. Remove the Batt-Stick from the TomTom Bandit.
2. Insert the Batt-Stick USB connector into your computer's USB socket or a standard USB wall-charger.

   Tip: While the Batt-Stick is charging, the LEDs show the charge level and one LED flashes.
3. To see the power level of the Batt-Stick, remove the USB connector from the USB charging socket, then press the ON button.

   The LEDs light up to show the power level.
4. When the Batt-Stick is charged, install the Batt-Stick into the TomTom Bandit.

Charging the TomTom Bandit using the optional power cable

1. Open the connector cap on the back of the Batt-Stick.



Tip: You don't have to remove the Batt-Stick from the TomTom Bandit.

2. Connect the power cable to the Batt-Stick connector and to a USB socket.
   You can see the battery power level on the STATUS screen in the SETTINGS menu.

Inserting a memory card

The photos you take and the videos you record are stored on a microSD card that is located in the Batt-Stick. Use a microSD card that is a Class 10 standard or higher. Go to tomtom.com/support for a list of approved compatible microSD cards.

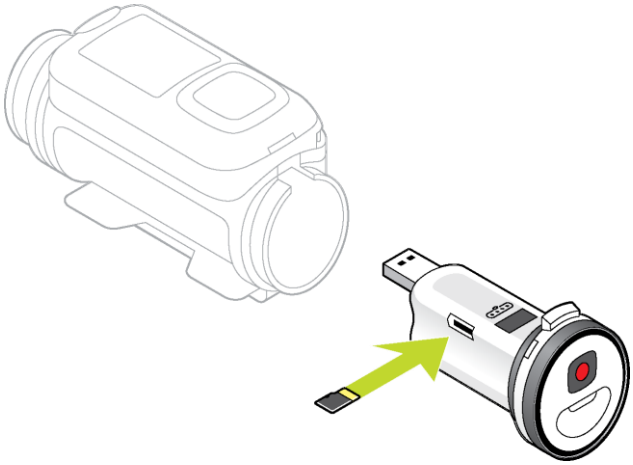
Note: If you insert a microSD card that is too slow to work with your TomTom Bandit, the TomTom Bandit shows you a message and you are asked to use a compatible microSD card.

Tip: MicroSD cards can degrade over time, and performance may decrease as the microSD card fills up. To maintain performance, you should regularly format your microSD card.

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

1. Remove the Batt-Stick from the TomTom Bandit.
2. Insert the microSD card into the memory card slot in the Batt-Stick.

Important: The microSD card must be inserted with the contacts facing up.



3. Install the Batt-Stick into the TomTom Bandit.

Setting up

Note: The language you choose will be used for all text on the screen. You can always change the language later in Language in the **Camera** settings menu.

When you first switch on your TomTom Bandit, you have to answer a few questions to set it up. Answer the questions by pressing the button to move up, down, left or right on the screen.

Tip: You do not need to connect your TomTom Bandit to the internet or to the Mobile app to set it up for first use.

Installing the basic mount

The basic mount kit lets you mount your TomTom Bandit on a helmet or other flat or slightly curved surface. Flat and curved basic mounts are supplied.

Tip: Additional mounts are available as accessories.

Tip: To install your TomTom Bandit on handlebars, use the optional bike mount.

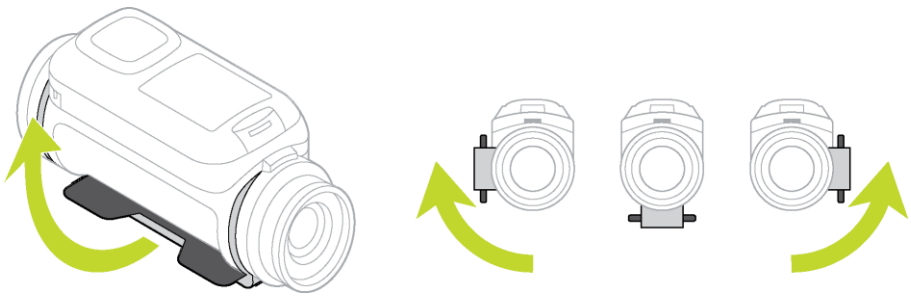
Tip: You can also install your TomTom Bandit upside down. Set the **ROTATION** image setting to 180 to turn the image 180 degrees.

1. Before you install a mount, find the best position for your TomTom Bandit.

   Attach the mount only to a smooth and hard surface. The mount won't securely attach to porous, textured or soft surfaces.

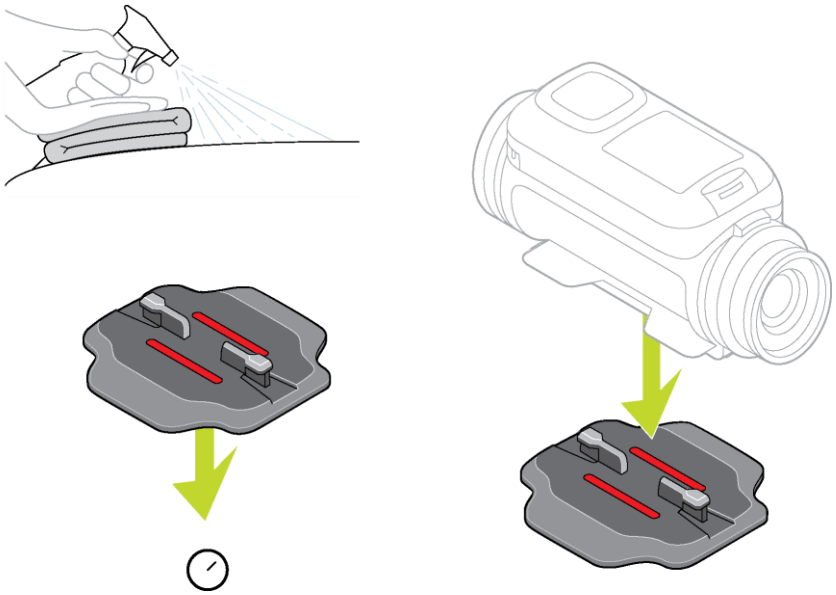
   To mount the TomTom Bandit at different angles and on the left or right side of a helmet, you can turn the TomTom Bandit's base more than 180 degrees around the body.

   Tip: Use the Mobile app live viewfinder to set the TomTom Bandit to the correct view.



2. Clean the area where you want to install the basic mount.

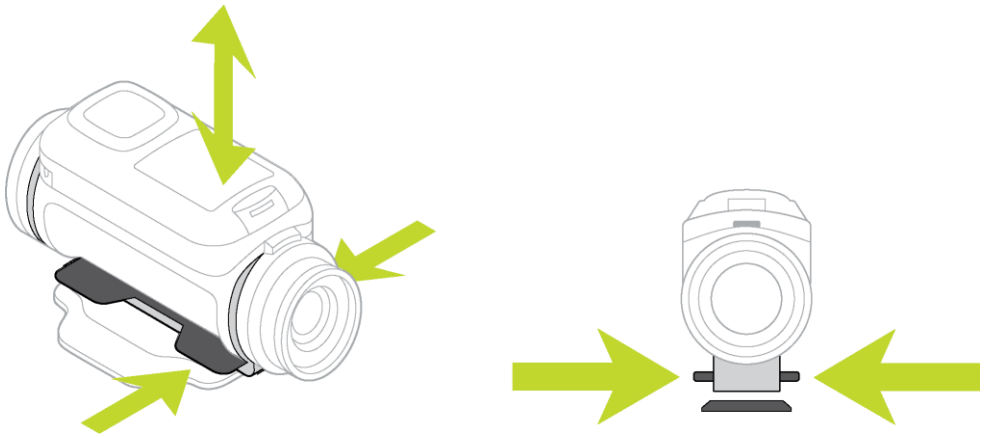
   Wax, oil, dirt and moisture reduce adhesion, which can result in a weak bond. Make sure that the area is completely dry.



3. Make sure the mount is aligned in the correctly direction then, in dry, room-temperature conditions, attach the mount. Push the mount firmly down on to the surface.

   The mount won't securely attach if you install it in damp and cold conditions.
4. Wait 24 hours for the adhesive to cure.
5. Install the TomTom Bandit on the mount. Make sure the TomTom Bandit is secure.

Important: Make sure your TomTom Bandit is secure before you start every activity. Regularly check the security of the mount. If the activity involves shocks or vibration, use a lanyard to prevent loss of the TomTom Bandit if the mount fails.



Installing the 360 pitch mount

The 360 pitch mount kit lets you mount your TomTom Bandit on a helmet or other flat or slightly curved surface. Flat and curved mount bases are supplied. Once installed, you can easily adjust the direction and angle of your TomTom Bandit.

Tip: Additional mounts are available as accessories.

Tip: To install your TomTom Bandit on handlebars, use the optional bike mount.

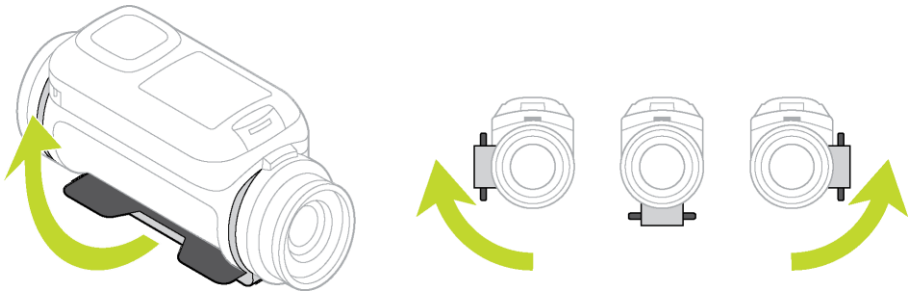
Tip: You can also install your TomTom Bandit upside down. Set the **ROTATION** image setting to 180 to turn the image 180 degrees.

1. Before you install a mount, find the best position for your TomTom Bandit.

   Attach the mount only to a smooth and hard surface. The mount won't securely attach to porous, textured or soft surfaces.

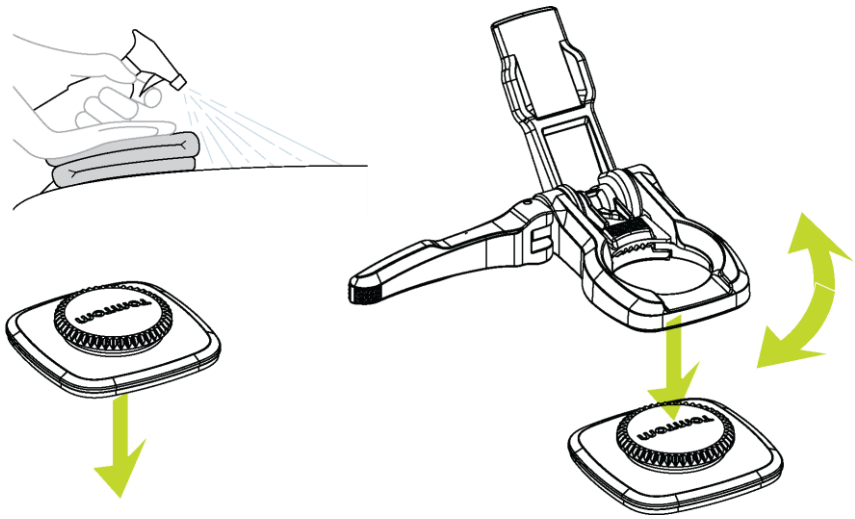
   To install the TomTom Bandit at different angles and on the left or right side of a helmet, you can turn the TomTom Bandit's base more than 180 degrees around the TomTom Bandit body.

   Tip: Use the Mobile app live viewfinder to set the TomTom Bandit to the correct view.



2. Clean the area where you want to install the mount.

   Wax, oil, dirt and moisture reduce adhesion, which can result in a weak bond. Make sure that the area is completely dry.

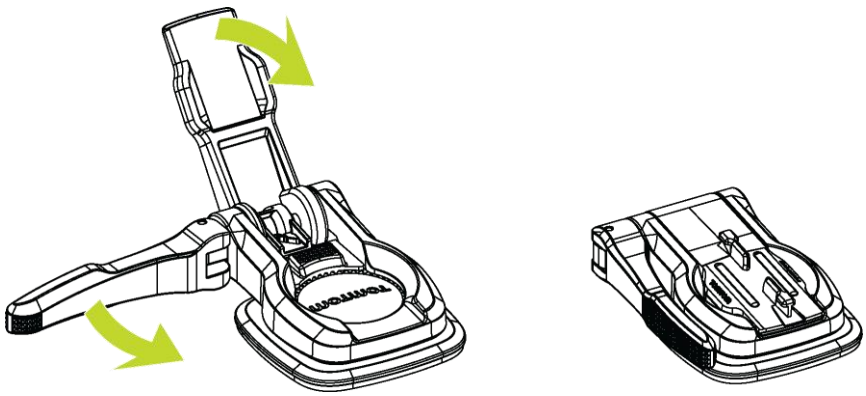


3. In dry, room-temperature conditions, attach the mount base. Push the mount base firmly down on to the surface.

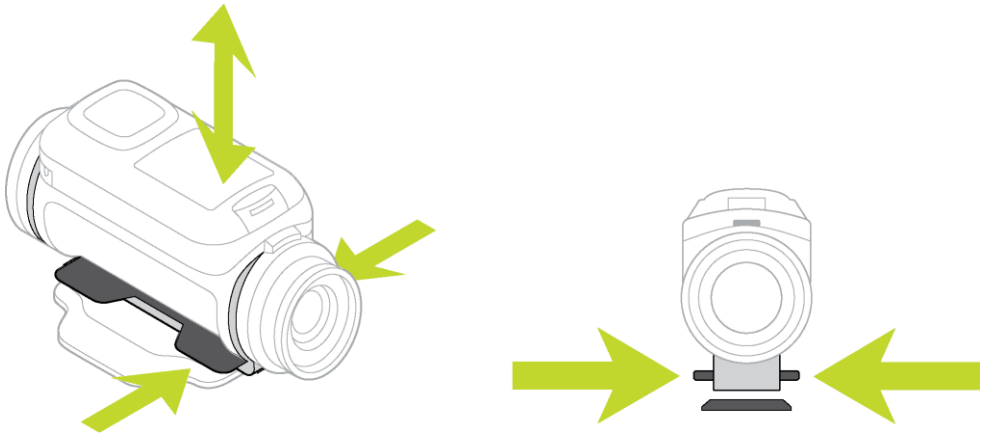
   The mount base won't securely attach if you install it in damp and cold conditions.

4. Wait 24 hours for the adhesive to cure.

5. Install the 360 pitch mount on the mount base. Push down the TomTom Bandit plate to lock the pitch mount on the base.



6. Install the TomTom Bandit on the 360 pitch mount. Make sure the TomTom Bandit is secure.



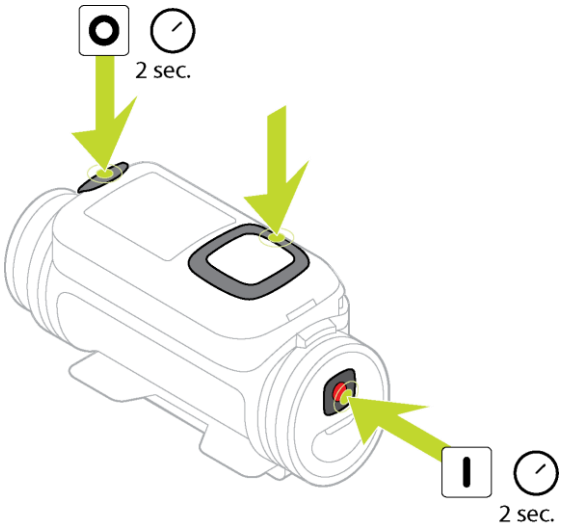
7. Adjust the position of the TomTom Bandit, then push the pitch mount lever to the closed position to lock the pitch mount.

Tip: Use the Mobile app live viewfinder to set the TomTom Bandit to the correct view.

Important: Make sure your TomTom Bandit is secure before you start every activity. Regularly check the security of the mount. If the activity involves shocks or vibration, use a lanyard to prevent loss of the TomTom Bandit if the mount fails.

Switching your TomTom Bandit on and off

Your TomTom Bandit can be on, off, or in standby. You can only switch the TomTom Bandit on and off using the buttons on the TomTom Bandit.



Switching on your TomTom Bandit

Press the START button at the back of the TomTom Bandit for 2 seconds to switch your TomTom Bandit on. The TomTom logo is shown, and the red LEDs flash and you hear the start-up sound. If no microSD card is inserted into the Batt-Stick, you are asked to insert a memory card so that the TomTom Bandit can switch on.

If the TomTom Bandit is in standby mode, press the control button to wake up the TomTom Bandit.

The TomTom Bandit stays on during the following conditions:

- The TomTom Bandit is recording a video or you are taking photos.
- You are using the screen to set-up the TomTom Bandit.
- You are operating the TomTom Bandit from your mobile phone using Wi-Fi or Bluetooth.

Switching off your TomTom Bandit

Press the STOP button at the front of the TomTom Bandit for 2 seconds to switch it off. The red LEDs flash and you hear the shut-down sound.

The TomTom Bandit will automatically shut down if the battery power becomes too low.

Standby

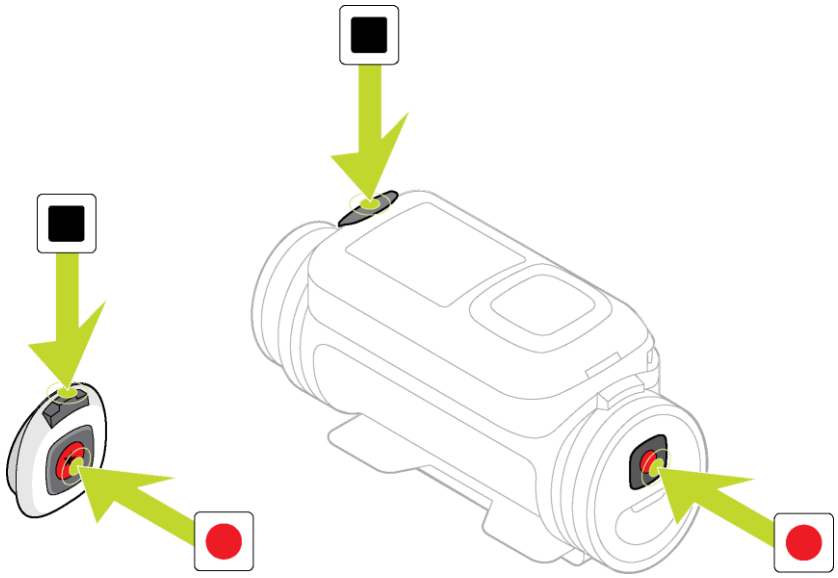
To save power the TomTom Bandit automatically switches to standby after a few minutes if it's not being used.

You can wake up the TomTom Bandit by pressing the control button, using the remote control, or using the Mobile app. If you press the START button, the TomTom Bandit will start recording or taking photos, depending on the mode you have set.

The TomTom Bandit switches off after two hours in standby.

Recording

Your TomTom Bandit has separate START and STOP buttons, both on the TomTom Bandit and on the remote control. Separate buttons make it easy to start recording, add video highlights and stop recording because the function of the buttons is always the same.



Start recording

When your TomTom Bandit is switched on or in standby mode, press the START button to start recording in your currently selected mode, for example video recording or photo burst. You can also start recording using the optional remote control, or using the Mobile app.

You hear a beep sound when recording starts, then the red LEDs in the START and STOP buttons flash continuously.

Press the START button again to manually highlight your video.

Stop recording

Press the STOP button to stop recording and go back to standby mode. You can also stop recording using the optional remote control, or using the Mobile app.

You hear a beep sound when recording stops, and the red LEDs in the START and STOP buttons stop flashing.

Video highlights

Highlights are added to your video while you are recording. A highlight marks an exciting part of your action video, for example high speed, a jump or even a beautiful view that you might like to view later and add to your video story. A video can contain many highlights.

The highlights let you easily playback your video, create your video story and share your video using the Mobile app or Bandit Studio. Your highlights are shown separately from the video they are in. Each single highlight marks a 6 second length of video.

The highlights are added to your video using inputs from built-in sensors, external sensors, or manually, to highlight the most exciting parts of the action. The highlights from built-in and external sensors are added automatically.

Tip: You can also add highlights to your video when you view it in the Mobile app or Bandit Studio, and you can adjust the position and duration of a highlight.

The following highlights and their symbols are used:

Speed.

G-force.

Maximum acceleration.

Maximum deceleration.

Maximum rotation.

Maximum vertical speed.

Heart rate from a heart rate monitor.

Manual highlight.

Your TomTom Bandit

Getting started

Before you start making videos, it's a good idea to charge your TomTom Bandit, then download any software updates and download QuickGPSfix.

Updating your camera software

You can update your camera software and QuickGPSfix using the Mobile app or Bandit Studio.

Note: QuickGPSfix helps your TomTom Bandit get a GPS fix and find your location quickly.

Battery life

When the battery is fully charged, your TomTom Bandit can be used for up to three hours of recordings with GPS reception. The video resolution and frame rate used to record videos also affects battery life: a recording at a higher resolution or frame rate will use more power.

The TomTom Bandit enters standby mode when it has not be used for a short time. After two hours the TomTom Bandit automatically switches off.

TomTom Bandit Mobile app

You can download the TomTom Bandit Mobile app for free from your usual app store or by going to tomtom.com/cam.

To learn more, go to Mobile App in this guide.

Connecting your TomTom Bandit to your smartphone

To learn more, go to Phone settings in this guide.

TomTom Bandit Studio

You can download Bandit Studio for free by going to tomtom.com/cam.

To learn more, go to Bandit Studio in this guide.

About your TomTom Bandit

Your TomTom Bandit is a modular construction that is easily disassembled so you can swap parts, for example to install a new Batt-Stick or replace the lens cover.

1. Batt-Stick 1900 mAh.
2. Battery power indicator. With the Batt-Stick removed, press the ON button to see the battery level.
3. USB 3.0 connector for charging and data transfer.
4. ON, START and manual highlighting button.
5. Connector with cap for optional power cable and external audio cable.
6. Attachment for a lanyard.
7. Control button to move up, down, left or right to other screens on the TomTom Bandit display:
   - Move up or down to select items in a menu.
   - Move right to select an item and open the menu for that item.
   - Move left to exit a menu.
   - To select an option in a menu, make sure it is highlighted when you leave the menu. Your TomTom Bandit remembers the option you highlighted.
   - If an option in a menu switches on and off, move right to change the setting.

   Note: The control button is disabled when you use the TomTom Bandit deep underwater.
8. Screen.
9. STOP and OFF button.
10. Lens cover.

    The standard white lens cover is splash-proof (IPX7). If you want to use the TomTom Bandit in water or underwater to depths down to 40 m (5 ATM), or for activities on the water surface, for example surfing, install the optional **Dive** (IPX8) black lens cover.
11. Rotatable mount rings with quick-release.
12. Lens (a lens cover must always be fitted to protect the lens).

What's on the screen

The TomTom Bandit screen lets you select the type of video or photo you want to record, and lets you change the settings for each video and photo mode. You move to other screens using the control button by doing the following:

- Move up or down to select items in a menu.
- Move right to select an item and open the menu for that item.
- Move left to exit a menu.
- To select an option in a menu, make sure it is highlighted when you leave the menu. Your TomTom Bandit remembers the option you highlighted.
- If an option in a menu switches on and off, move right to change the setting.

Note: The control button is disabled when you use the TomTom Bandit deep underwater.

You can see the following screens:

Camera Status screen	The Camera Status screen is shown when you are not recording videos or photos. This screen shows the mode and the specific settings you have selected.
Mode screen	The Mode screen lets you choose the mode you want to use. The modes are Photo, Video, Slow Motion, Time Lapse, and Cinematic.
Recording screen	The Recording screen is shown when you are recording a video or taking photos. The screen shows you the remaining time you can still record, and the time you have already recorded, or the number of photos taken.
Settings screen	The Settings screen lets you change the settings for the selected mode and the general settings for the TomTom Bandit. Selecting Status will show you the status of the TomTom Bandit.
Video and Photo settings	For each Video and Photo mode you can set different settings to customize the video or photo. For example, you can set the frame rate, the lens angle, and the scene.
General settings	The General settings set the options for the TomTom Bandit, for example Language, Units and Sound.

Icons on the screen show the status of various camera features and connected sensors.

Icons shown on the screen

The following icons on the screen show the status of various camera features and connected sensors:

This icon shows the number of GPS satellites that have been located. 4 bars are required to fix the camera's GPS location.

This icon shows that a Heart Rate Monitor is connected to your TomTom Bandit.

This icon shows that a memory card is inserted.

The battery status icon.

This icon shows that the video or photo image is rotated 180 degrees.

This icon shows that the camera exposure is set to **Bright** or **Night**.

This symbol shows that the camera is in flight mode.

This symbol shows that an external microphone is connected to your TomTom Bandit.

This symbol shows that a remote control is connected to your TomTom Bandit.

Charging your TomTom Bandit

You can charge your TomTom Bandit in the following two ways:

Charging the Batt-Stick using a USB socket

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

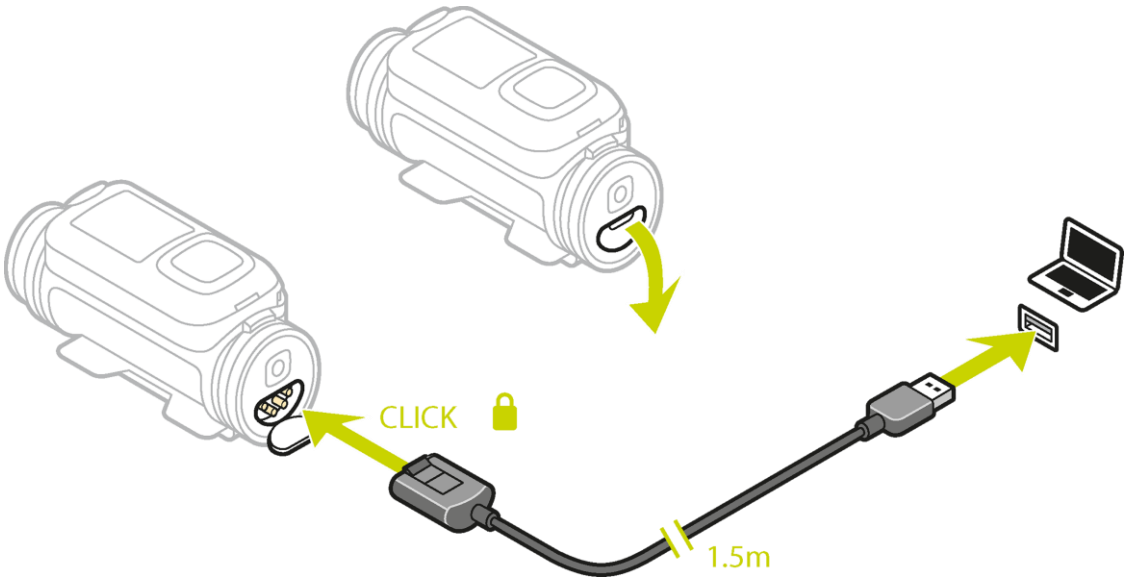
1. Remove the Batt-Stick from the TomTom Bandit.
2. Insert the Batt-Stick USB connector into your computer's USB socket or a standard USB wall-charger.

   Tip: While the Batt-Stick is charging, the LEDs show the charge level and one LED flashes.
3. To see the power level of the Batt-Stick, remove the USB connector from the USB charging socket, then press the ON button.

   The LEDs light up to show the power level.
4. When the Batt-Stick is charged, install the Batt-Stick into the TomTom Bandit.

Charging the TomTom Bandit using the optional power cable

1. Open the connector cap on the back of the Batt-Stick.



   Tip: You don't have to remove the Batt-Stick from the TomTom Bandit.
2. Connect the power cable to the Batt-Stick connector and to a USB socket.

   You can see the battery power level on the STATUS screen in the SETTINGS menu.

Inserting a memory card

The photos you take and the videos you record are stored on a microSD card that is located in the Batt-Stick. Use a microSD card that is a Class 10 standard or higher. Go to tomtom.com/support for a list of approved compatible microSD cards.

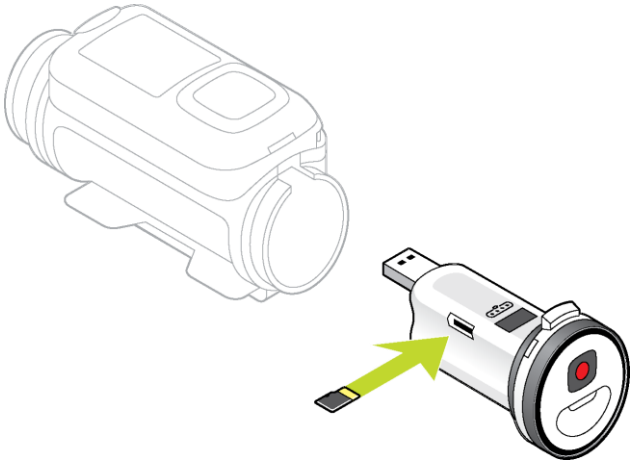
Note: If you insert a microSD card that is too slow to work with your TomTom Bandit, the TomTom Bandit shows you a message and you are asked to use a compatible microSD card.

Tip: MicroSD cards can degrade over time, and performance may decrease as the microSD card fills up. To maintain performance, you should regularly format your microSD card.

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

1. Remove the Batt-Stick from the TomTom Bandit.
2. Insert the microSD card into the memory card slot in the Batt-Stick.

   Important: The microSD card must be inserted with the contacts facing up.



3. Install the Batt-Stick into the TomTom Bandit.

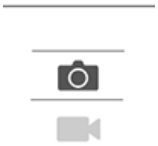
Video and Photo modes and settings

Each video and photo mode has its own settings.

TomTom Bandit modes

Select a mode directly on the TomTom Bandit or from the Mobile App. When you have selected a mode you can change the video or photo settings for the mode.

Video	Normal high-quality video mode.

 Slow Motion	Videos are recorded at a multiple of the normal frame rate (2x, 4x, or 8x), but the video is saved with the normal frame rate (30 fps) for playback, which results in slow motion video. Audio and sensor data are also recorded in the slow motion mode. The available slow motion rate depends on the video resolution you choose.
 Timelapse	When in TIMELAPSE MODE, the TomTom Bandit records a time-lapse video directly as a video recording at the currently set resolution and at the normal frame rate. You can choose the interval between recording. Time-lapse recording stops when the battery level is low, when the memory card is full or when you press the STOP button. No audio or sensor information is recorded during a time-lapse video, but GPS information is recorded at the start of the video if a signal is available.
 Cinematic	CINEMATIC is the highest resolution mode, capturing video at 4K or 2.7K. For normal use, you should find that 1080p offers sufficiently high quality video.
 **Photo**	Photo mode has the following options: ▪ **Normal** - For taking a single photo. ▪ **Burst** - For taking a series of photos in a very short time.

Video settings

Each video mode has its own settings. You can change settings directly on the TomTom Bandit or by using the Mobile App.

From the Camera Status screen, move down to the **SETTINGS** menu and select the mode settings for your current video mode, for example **VIDEO** or **SLOW MO**. Move right, then select the settings you want to change.

Video settings

Size	▪ 1080p at 30 fps ▪ 1080p at 60 fps ▪ 720p at 60 fps ▪ 720p at 120 fps
View	▪ Wide ▪ Normal

Slo Motion settings

Size	▪ 1080p at 2x speed ▪ 720p at 4x speed ▪ WVGA at 6x speed

View	▪ Wide ▪ Normal

Cinematic settings

Size	▪ 4k at 15 fps ▪ 2.7k at 30 fps

Timelapse settings

Size	▪ 4k at 15 fps ▪ 4k at 30 fps ▪ 1080p at 15 fps ▪ 1080p at 30 fps
Interval	▪ 1s, 5s, 10s, 15s, 30s, 60s

Photo settings

Use the photo settings to select a photo mode. Once a mode has been chosen, you can then select settings for that photo mode. You can change settings directly on the TomTom Bandit or by using the Mobile App.

From the Camera Status screen, move down to the **SETTINGS** menu and select **PHOTO**. Move right to select a mode, for example **BURST**, then select the settings you want to change.

NORMAL **settings**

Size	▪ 16 MP

BURST **settings**

Size	▪ 8 MP ▪ 16 MP
Burst	▪ Up to 10 photos in 1 s ▪ Up to 10 photos in 2 s

Image settings

The image settings let you choose the scene lighting and the image rotation. The settings are applied to all video or photo modes.

From the Camera Status screen, move down to the **SETTINGS** menu and select **IMAGE**. Move right to select one of the following settings:

Tip: You can only access the image settings on the TomTom Bandit.

Scene

- **Auto** (default) automatically adjusts the camera exposure for the detected lighting conditions.
- **Bright** sets the camera exposure for bright lighting conditions.
- **Night** sets the camera exposure for low lighting conditions.

Rotation

You can choose to rotate the videos and photos your camera makes by 180 degrees. This allows you to mount the camera upside down.

TomTom Bandit status

From the Camera Status screen, move down to open the **SETTINGS** screen. Select **STATUS** then move right.

The status screen shows the following information:

- **Battery** - the battery power left on your TomTom Bandit. Charge the Batt-Stick if the power is low.
- **Storage** - the amount of free space available on your TomTom Bandit.

  Tip: If you are running out of space, connect the Batt-Stick to your computer and transfer some files.

- **QuickGPS** - the status of the QuickGPSfix information on your TomTom Bandit.

  QuickGPSfix helps your TomTom Bandit find your precise location quickly so that you can start your activity. To automatically update the QuickGPSfix information on your TomTom Bandit, connect your TomTom Bandit to the Mobile app. QuickGPSfix information is valid for three days after you download it.

  These symbols are used to show the status of QuickGPSfix:

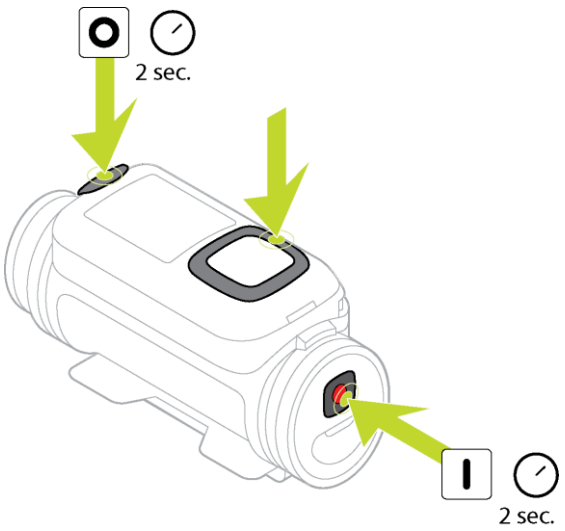
  ✓ QuickGPSfix on your TomTom Bandit is up-to-date.

  QuickGPSfix on your TomTom Bandit is out-of-date. If the QuickGPSfix information on your TomTom Bandit is out-of-date, your camera still works as usual. It may, however, take longer to get a GPS fix when you want to start an activity.

- **Version** - the software version number of your TomTom Bandit. You may need this information if you contact Customer Support.
- **Serial number** - The serial number of your TomTom Bandit.

Switching your TomTom Bandit on and off

Your TomTom Bandit can be on, off, or in standby. You can only switch the TomTom Bandit on and off using the buttons on the TomTom Bandit.



Switching on your TomTom Bandit

Press the START button at the back of the TomTom Bandit for 2 seconds to switch your TomTom Bandit on. The TomTom logo is shown, and the red LEDs flash and you hear the start-up sound. If no microSD card is inserted into the Batt-Stick, you are asked to insert a memory card so that the TomTom Bandit can switch on.

If the TomTom Bandit is in standby mode, press the control button to wake up the TomTom Bandit.

The TomTom Bandit stays on during the following conditions:

- The TomTom Bandit is recording a video or you are taking photos.

- You are using the screen to set-up the TomTom Bandit.
- You are operating the TomTom Bandit from your mobile phone using Wi-Fi or Bluetooth.

Switching off your TomTom Bandit

Press the STOP button at the front of the TomTom Bandit for 2 seconds to switch it off. The red LEDs flash and you hear the shut-down sound.

The TomTom Bandit will automatically shut down if the battery power becomes too low.

Standby

To save power the TomTom Bandit automatically switches to standby after a few minutes if it's not being used.

You can wake up the TomTom Bandit by pressing the control button, using the remote control, or using the Mobile app. If you press the START button, the TomTom Bandit will start recording or taking photos, depending on the mode you have set.

The TomTom Bandit switches off after two hours in standby.

Connecting to the Mobile app

The Mobile app will not start until you have connected your smartphone to your TomTom Bandit using Wi-Fi.

Tip: For iOS only. If your smartphone is Bluetooth Smart (BLE) capable, Wi-Fi is switched on and off automatically by the Mobile app. Wi-Fi is also switched off when it isn't used for a while.

Follow these steps to connect your TomTom Bandit to your smartphone, and start the Mobile app:

1. Switch on your TomTom Bandit.
2. From the Camera Status screen, move up to turn on the TomTom Bandit's Wi-Fi connection.
   The name of the Wi-Fi connection and the password are shown on the screen.
3. On your smartphone, go to the phone's Wi-Fi settings screen then select the TomTom Bandit Wi-Fi connection from the network list.
4. Enter the password shown on the TomTom Bandit screen.
   Your phone connects to the TomTom Bandit. On the TomTom Bandit, the screen shows **Connected to device**.
5. Start the Mobile app.
   The Mobile app starts and shows the **Viewfinder** screen.

Resetting your TomTom Bandit

To reset your TomTom Bandit, do the following:

From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** screen. Select **GENERAL** then select **OPTIONS**.

Select **RESET** to choose from two reset options:

- **RESET ALL** resets your TomTom Bandit to the factory settings and restarts the TomTom Bandit.

  Note: A reset does not delete your photos and videos stored on the microSD card.
- **RESET WIFI** generates a new Wi-Fi name and password.

Updating your camera software

To receive updates, first register your TomTom Bandit with a TomTom MySports account using the Mobile app or Bandit Studio.

You can install updates on your TomTom Bandit in the following ways:

- Install updates directly to your TomTom Bandit from the Mobile app.
- Transfer updates to your Batt-Stick from Bandit Studio, then install the Batt-Stick in your TomTom Bandit.

Install updates using the Mobile app

1. Connect your smartphone to your TomTom Bandit using Wi-Fi.
2. Open the Bandit Mobile app.

   If an update is available it is transferred to your TomTom Bandit in the background. When the update is ready to install you see a message on the app.

   Tip: To see if your TomTom Bandit has the latest software installed, select the app menu button then select **Camera Status**. You see a green cross next to **Camera software version** if your camera has up-to-date software.
3. Restart your TomTom Bandit.
4. Follow the instructions on the screen to install the update.

Install updates using Bandit Studio

1. Make sure your Bandit has sufficient battery charge.
2. Remove the Batt-Stick from your TomTom Bandit.
3. Start Bandit Studio on your computer.
1. Insert the Batt-Stick USB connector into a USB port on your computer.
2. In Bandit Studio, select the settings menu button.

   If an update is available the screen displays **Update** next to the Camera firmware version.
3. Select **Update**.

   The Mobile app transfers the update to your Batt-Stick.
4. Install the Batt-Stick in the TomTom Bandit.
5. Switch on the TomTom Bandit.
6. Follow the instructions on the screen to install the update.

QuickGPSFix updates

In the following situations, your TomTom Bandit uses QuickGPSFix to help find your position:

- The TomTom Bandit hasn't been used for a long time.
- The TomTom Bandit has been out of GPS coverage for more than one week.
- The TomTom Bandit is restarted more than 500 km away from your previous position.

QuickGPSfix contains information about satellite positions which helps your TomTom Bandit find your position faster.

Tip: QuickGPSFix information is updated automatically from the Mobile app.

Caring for your TomTom Bandit

It is recommended that you clean your camera once a week if you use it frequently.

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

- Wipe the camera with a damp cloth as needed. Use mild soap to remove oil or dirt. If the camera is very dirty, rinse it in cold or lukewarm water.
- Clean the lens cover and the lens using a cloth and spray specifically made for cleaning camera lenses.

Tip: You can use the TomTom micro-fibre camera bag to clean the lens and lens cover.

- Do not expose your camera to strong chemicals such as petrol, cleaning solvents, acetone, alcohol, or insect repellents. Chemicals can damage the camera's seals, case, and finish.
- After using your camera in water, rinse your TomTom Bandit with clean water and dry it with a soft cloth. On the Batt-Stick, open the external contact cap and dry both the contacts and the cap.

Deleting videos and photos, and formatting the memory card

You can delete individual or all videos and photos from the microSD card, or you can format the microSD card:

- **DELETE** - This option deletes the last recorded video or photo from the microSD card.
- **DELETE ALL** - This option deletes all videos, photos and sensor data from the microSD card, but does not delete data that is not in the same folder.
- **FORMAT SD** - This option formats the microSD card and deletes all data from the microSD card.

Delete the last recorded video or photo

1. In the **SETTINGS** menu, select **GENERAL** then **STORAGE**.
2. Select **DELETE**, then select **YES**.
   The last recorded video or photo is deleted.

Delete all videos and photos

1. In the **SETTINGS** menu, select **GENERAL** then **STORAGE**.
2. Select **DELETE ALL**.
3. Select **YES**.
   All videos and photos are deleted.

Format the memory card

Important: Formatting the memory deletes ALL data from the microSD card.

1. In the **SETTINGS** menu, select **GENERAL** then **STORAGE**.
2. Select **FORMAT SD**.
3. Select **YES**.
   The microSD card is formatted and all data is deleted.

Accessing your videos and photos

Your videos, photos and highlights are stored on the memory card that is inserted in the Batt-Stick. The easiest way to create a video story using your photos and highlights is to use the Bandit Mobile app or Bandit Studio.

The Bandit Mobile app connects to your TomTom Bandit using a Wi-Fi connection. You can use the app to create and upload your video story while moving, directly from your camera.

Bandit Studio is installed on a computer. You must remove the Batt-Stick from your TomTom Bandit and insert the Batt-Stick USB connector into your computer's USB socket.

Note: When your Batt-Stick is connected to your computer you can also access your videos and photos in a file explorer.

Viewing metrics on your TomTom Bandit

During recording or when taking photos, move right from the Camera Status screen to view the Metrics screen. Move up or down to view the different metrics available, for example a heart-rate monitor. Move right again to select the actual metrics measured by the sensor or device.

You see two metrics which vary depending on which mode you are using. The text underneath each metric shows which information is currently being displayed.

Some examples of metrics available:

- **SD card** - minutes remaining at the top of the screen, minutes already recorded shown at the bottom of the screen.
- **Speed mode** - maximum speed shown at the top of the screen, current speed at the bottom of the screen.
- **Heart rate** - maximum heart rate shown at the top of the screen, current heart rate at the bottom of the screen using the optional heart rate monitor.

Note: Your TomTom Bandit also has built-in sensors that record metrics that are stored with the video file. You cannot view these metrics on your TomTom Bandit.

Using peripherals

Installing the basic mount

The basic mount kit lets you mount your TomTom Bandit on a helmet or other flat or slightly curved surface. Flat and curved basic mounts are supplied.

Tip: Additional mounts are available as accessories.

Tip: To install your TomTom Bandit on handlebars, use the optional bike mount.

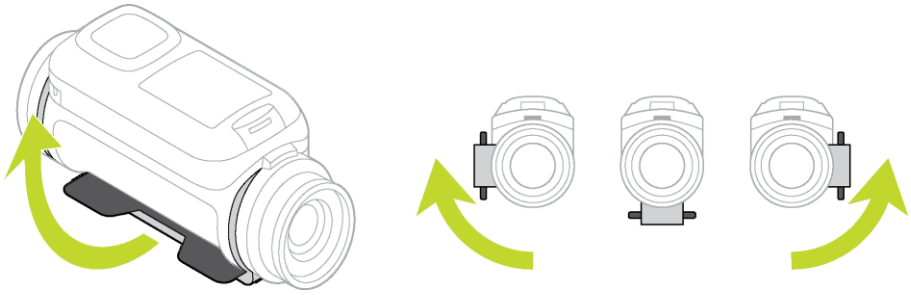
Tip: You can also install your TomTom Bandit upside down. Set the **ROTATION** image setting to 180 to turn the image 180 degrees.

1. Before you install a mount, find the best position for your TomTom Bandit.

   Attach the mount only to a smooth and hard surface. The mount won't securely attach to porous, textured or soft surfaces.

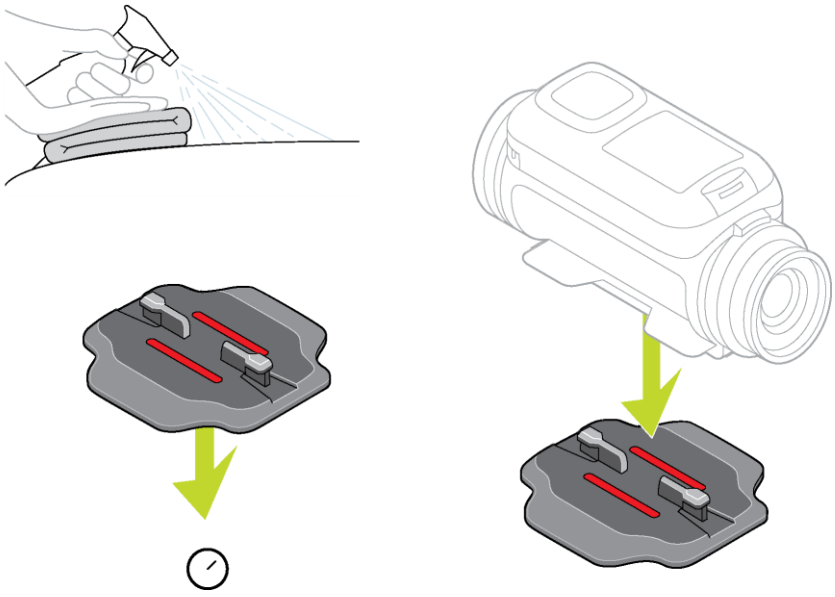
   To mount the TomTom Bandit at different angles and on the left or right side of a helmet, you can turn the TomTom Bandit's base more than 180 degrees around the body.

   Tip: Use the Mobile app live viewfinder to set the TomTom Bandit to the correct view.



2. Clean the area where you want to install the basic mount.

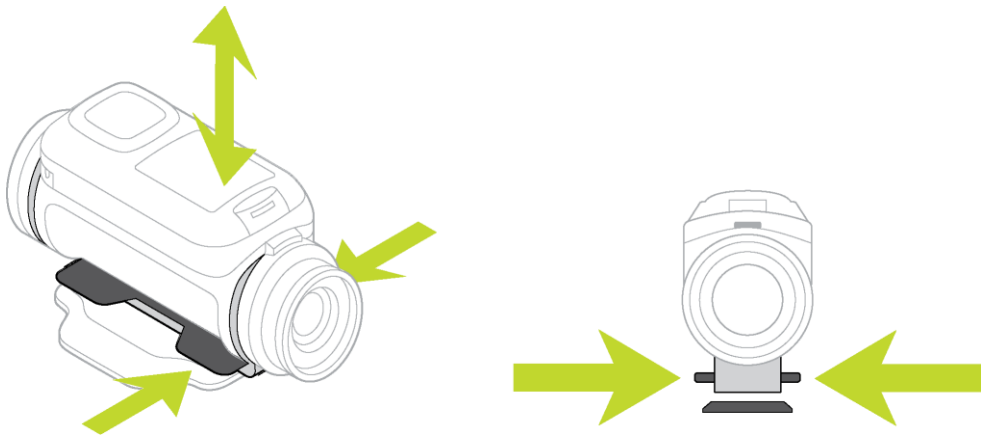
   Wax, oil, dirt and moisture reduce adhesion, which can result in a weak bond. Make sure that the area is completely dry.



3. Make sure the mount is aligned in the correctly direction then, in dry, room-temperature conditions, attach the mount. Push the mount firmly down on to the surface.

   The mount won't securely attach if you install it in damp and cold conditions.
4. Wait 24 hours for the adhesive to cure.
5. Install the TomTom Bandit on the mount. Make sure the TomTom Bandit is secure.

Important: Make sure your TomTom Bandit is secure before you start every activity. Regularly check the security of the mount. If the activity involves shocks or vibration, use a lanyard to prevent loss of the TomTom Bandit if the mount fails.



Installing the 360 pitch mount

The 360 pitch mount kit lets you mount your TomTom Bandit on a helmet or other flat or slightly curved surface. Flat and curved mount bases are supplied. Once installed, you can easily adjust the direction and angle of your TomTom Bandit.

Tip: Additional mounts are available as accessories.

Tip: To install your TomTom Bandit on handlebars, use the optional bike mount.

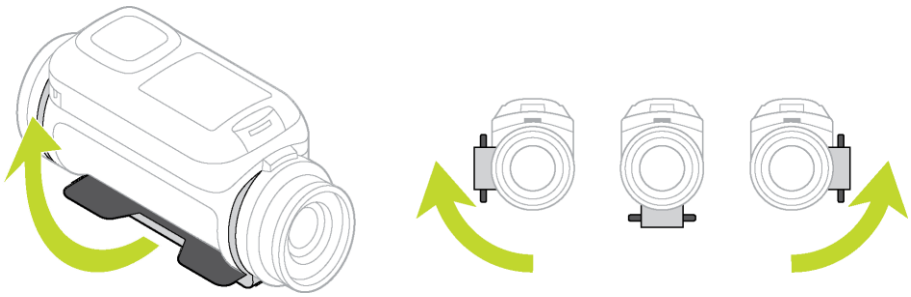
Tip: You can also install your TomTom Bandit upside down. Set the **ROTATION** image setting to 180 to turn the image 180 degrees.

1. Before you install a mount, find the best position for your TomTom Bandit.

   Attach the mount only to a smooth and hard surface. The mount won't securely attach to porous, textured or soft surfaces.

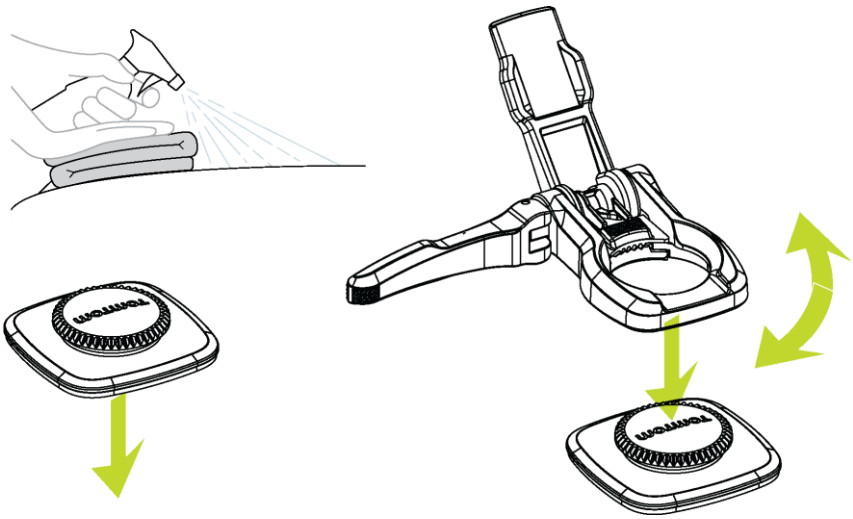
   To install the TomTom Bandit at different angles and on the left or right side of a helmet, you can turn the TomTom Bandit's base more than 180 degrees around the TomTom Bandit body.

Tip: Use the Mobile app live viewfinder to set the TomTom Bandit to the correct view.



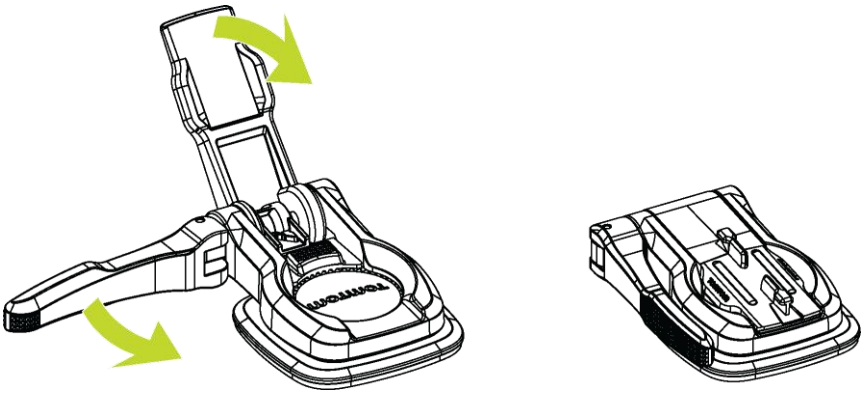
2. Clean the area where you want to install the mount.

Wax, oil, dirt and moisture reduce adhesion, which can result in a weak bond. Make sure that the area is completely dry.

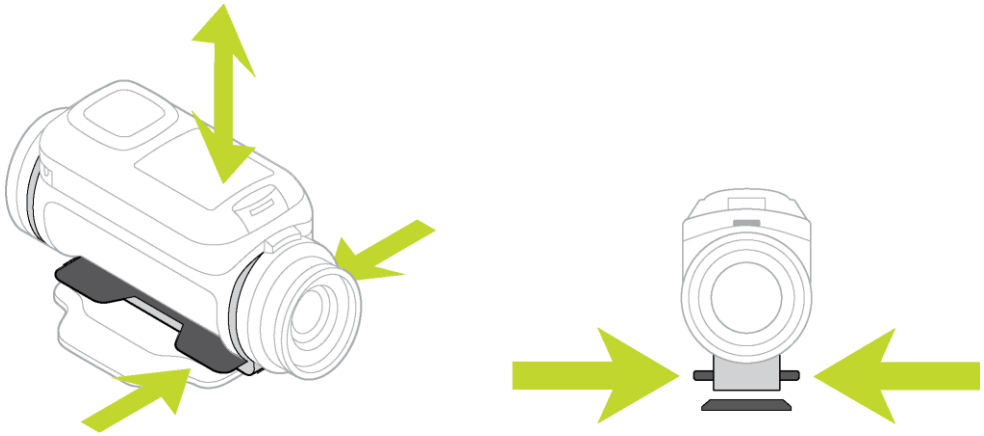


3. In dry, room-temperature conditions, attach the mount base. Push the mount base firmly down on to the surface.

   The mount base won't securely attach if you install it in damp and cold conditions.
4. Wait 24 hours for the adhesive to cure.
5. Install the 360 pitch mount on the mount base. Push down the TomTom Bandit plate to lock the pitch mount on the base.



6. Install the TomTom Bandit on the 360 pitch mount. Make sure the TomTom Bandit is secure.



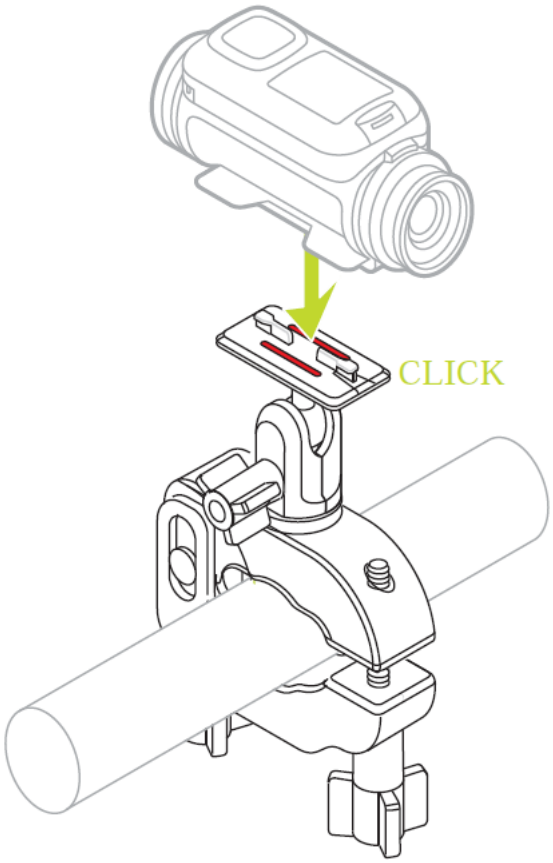
7. Adjust the position of the TomTom Bandit, then push the pitch mount lever to the closed position to lock the pitch mount.

Tip: Use the Mobile app live viewfinder to set the TomTom Bandit to the correct view.

Important: Make sure your TomTom Bandit is secure before you start every activity. Regularly check the security of the mount. If the activity involves shocks or vibration, use a lanyard to prevent loss of the TomTom Bandit if the mount fails.

Using the bike mount

The optional bike mount kit lets you mount your TomTom Bandit on the handlebars of a bike or other tube-shaped component of a similar size.



Install the bike mount only on a clean and dry surface. Wax, oil, dirt and moisture will reduce grip, causing the mount to move.

Tighten the bike mount clamps securely by hand. Install the TomTom Bandit on the bike mount then adjust the TomTom Bandit's position to get the correct view.

Tip: Use the Mobile app live viewfinder to set the TomTom Bandit to the correct view.

Tip: You can also install your TomTom Bandit upside down. Set the **ROTATION** image setting to 180 to turn the image 180 degrees.

Tighten the clamps a little more using a hexagon key. Do not overtighten the clamps or you might damage the bike mount.

Important: Make sure your TomTom Bandit is secure before you start every activity. Regularly check the security of the mount. If the activity involves shocks or vibration, use a lanyard to prevent loss of the TomTom Bandit if the mount fails.

Using the optional remote control

The remote control can be used to start and stop recording, and to manually add highlights to your video. Use the remote control when you can't easily or safely reach your TomTom Bandit.

You can hold the remote control in your hand, or you can attach it to a place you can easily reach.

Note: The remote uses Bluetooth Smart to connect to your TomTom Bandit, and can only be used with one TomTom Bandit at a time.

Connecting the remote control

1. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu.
2. Select **GENERAL**, then move right.
3. Select **CONNECT**, then move right.
4. Select **REMOTE**, then move right.
5. Move up or down to turn it on.
6. On the remote control, press the ON button for 3 seconds until the LED flashes green three times.

   The remote control is connected to the TomTom Bandit.

Tip: You can also use the Mobile app live viewfinder as a remote control.

The remote control can only be used with one camera at a time. If you want to connect your remote control to a different camera, repeat the instructions above with the remote control in range of the new camera.

Using the remote control to record a video

To wake up the remote control, press the START button (button 2) for 3 seconds until the LED (3) flashes green three times.

Press the START button (button 2) to start recording. The LED (3) flashes one time.

Press the START button (button 2) to add a highlight to your video.

Press the ON button (button 1) to stop recording. The LED (3) flashes one time.

Remote control straps and mounts

The remote control wrist strap fits over a bare wrist. The strap extension can be used to make the wrist strap longer so it fits over the arm of a winter coat, for example during snow sports. The straps can also be used to secure the remote control to a handle bar, a selfie stick, or any suitable location.

Note: The remote control is splash-proof and should not be submerged in water.

Changing the battery in the remote control

The remote control uses a button cell CR2032 battery.

To change the battery do the following:

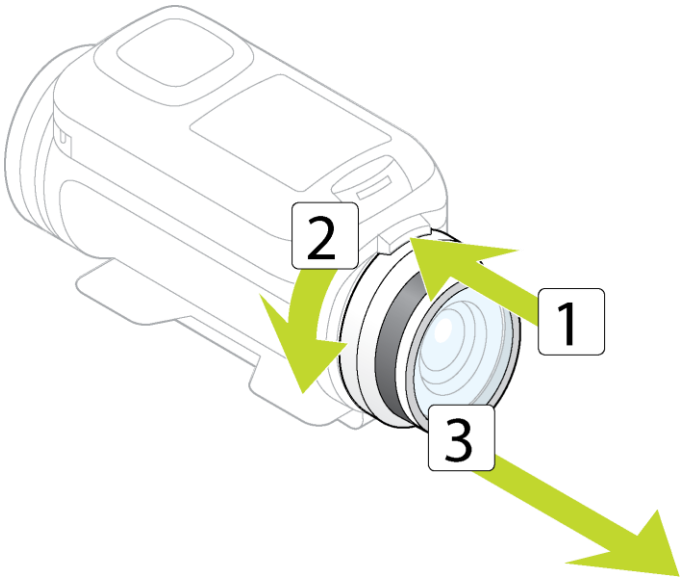
1. Twist the remote button anticlockwise to remove it from its black base.
2. Using a coin, turn the battery cover anticlockwise a small amount until it unlocks, then remove it.
3. Gently lever out the battery cell.
4. Replace the battery with a new one.
5. Install the cover turn it clockwise with a coin until it locks.
6. Twist the remote button clockwise into its black base.

Using lens covers

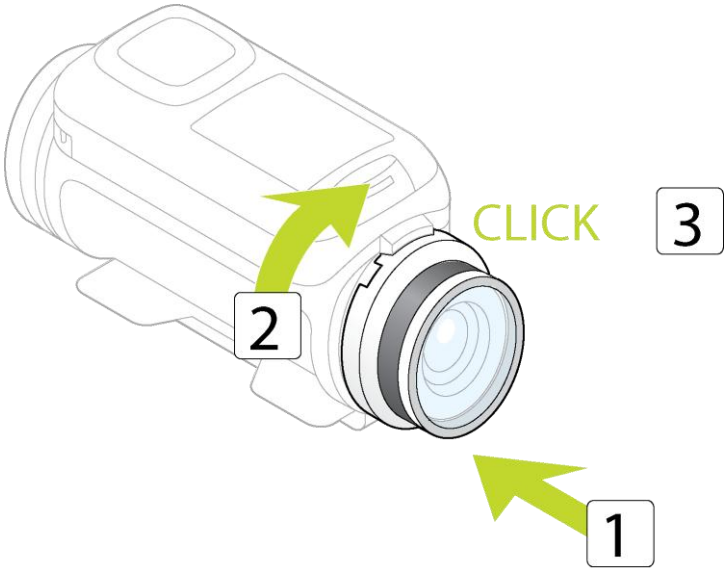
The standard white lens cover is splash-proof (IPX7). If you want to use the TomTom Bandit in water or underwater to depths down to 40 m (5 ATM), or for activities on the water surface, for example surfing, install the optional **Dive** (IPX8) black lens cover.

Note: When using the **Dive** IPX8 black lens cover, the microphone and barometer are concealed and will not work with this lens cover.

To remove the lens cover, press the release button and turn the lens cover anticlockwise.



To install a lens cover, put the lens cover on the TomTom Bandit lens and turn it clockwise until it locks.



Important: Store the lens cover in its storage bag when you are not using it.

Important: To prevent damage to the TomTom Bandit lens, never use the TomTom Bandit without a lens cover.

Important: Clean the lens cover and the lens using a cloth and spray specifically made for cleaning camera lenses.

Important: Check the lens cover and Batt-Stick seals for debris, damage and cracks. Small debris and cracks can cause leakage and may damage your TomTom Bandit.

About sensors

Sensors are used by your TomTom Bandit to record data simultaneously with your video files. This makes it easier for you to find the highlights in the video when reviewing it.

Note: Your TomTom Bandit stores all sensor data in the video file.

The following two types of sensors are available for your TomTom Bandit:

Built-in sensors

For more information about built-in sensors, see Sensors in your camera.

External sensors

External sensors are external devices that you can link to your TomTom Bandit to provide extra information about your activity.

You can attach an external heart rate monitor using a Bluetooth Smart (BLE) connection. This sensor measures your heart rate during your sport or activity. The external TomTom Heart Rate Monitor is available as an accessory.

Your TomTom Bandit connects to external sensors when recording starts. When recording stops the sensor is disconnected.

Sensors in your TomTom Bandit

Your TomTom Bandit has built-in sensors that record the following metrics:

Speed.

G-force.

Maximum acceleration.

Maximum deceleration.

Maximum rotation.

Maximum vertical speed.

Heart rate from a heart rate monitor.

Manual highlight.

The GPS location is also recorded.

The metrics data are stored with your videos, and can be seen as video highlights in the Mobile app or Bandit Studio and added as an overlay to your video story.

You can also use external sensors, for example a heart-rate monitor, to enhance your action metrics.

An optional external mono microphone can also be connected to your TomTom Bandit.

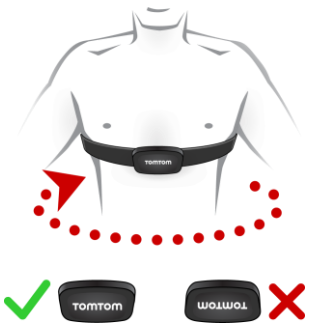
The heart rate monitor

To use the external TomTom Heart Rate Monitor with your TomTom Bandit, do the following:

1. Attach the monitor to the strap.

2. Attach the strap around your chest, so the monitor sits just above the base of your chest bone.

   Make sure the monitor is the right way up so that the word 'TomTom' is the right way up for someone standing in front of you.



Tip: Wet the sensors on the inside of the strap before placing it around your chest. This makes it easier for the monitor to pick up your heartbeat.

3. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** screen.
4. Select **GENERAL** then select **CONNECT**.
5. Select **SENSORS** then move right.
6. Select **HEART**, then move right to turn it on.
7. When you begin an activity, your TomTom Bandit connects to the monitor and you see a heart icon at the top of the screen.

The first time your TomTom Bandit tries to connect to your monitor, if it finds more than one monitor, your TomTom Bandit doesn't know which monitor to connect to. Move to a place where there are no other monitors within range of your TomTom Bandit.

When you have connected to your monitor once, your TomTom Bandit always reconnects to your monitor.

You can also use the external Heart Rate Monitor with other Bluetooth® Smart Ready devices and apps. See the documentation that comes with your product or app for more information.

To change the CR2032 battery on the monitor, use a coin to open the back of the monitor. The battery must be recycled or disposed of according to local laws and regulations.

Note: The TomTom Heart Rate Monitor is not waterproof.

Recording videos

About recording videos

You can use your TomTom Bandit to record videos in the following modes:

- **VIDEO** - Use this mode to record normal high-quality videos.
- **SLOW MO** - This mode records slow-motion videos at high-quality.
- **TIMELAPSE** - This mode creates videos from time-lapse recordings taken at set intervals.
- **CINEMATIC** - Very high quality video mode for the video specialist.

You can select the mode using the control button on the TomTom Bandit, or you can use the Mobile app.

Each video mode has its own range of settings.

Recording a video

You can start and stop a video recording either directly from the TomTom Bandit, or by using the remote control, or from the Mobile app.

Tip: You can also manually add highlights to your video.

Note: If your TomTom Bandit is connected to the Mobile app, you can only use the app to change TomTom Bandit settings.

Record a video using only the TomTom Bandit or the remote control

1. Press the START button on the TomTom Bandit or remote control.
   - The TomTom Bandit beeps and the red LEDs flash to show that recording has started.
   - The TomTom Bandit screen shows the recording time and the video mode.

   Tip: Move right on the TomTom Bandit screen to see the time remaining that you can video. The time remaining depends on the space available on the microSD card, and the video mode you are using.
2. When videoing, press the START button to manually add highlights to your video.
3. Press the STOP button to stop the recording.
   - The TomTom Bandit beeps and the red LEDs stop flashing.
4. Edit and upload your videos using the Mobile app or Bandit Studio.

Record a video using the Mobile app

1. Connect the Mobile app to your TomTom Bandit.
2. Press the START button on the TomTom Bandit or the record button in the Mobile app.
   - The TomTom Bandit beeps and the red LEDs flash to show recording has started.
   - The TomTom Bandit screen shows the recoding time and the video mode.
3. When videoing, press the START button on the TomTom Bandit or the highlight button on the app to manually add highlights to your video.
4. Press the STOP button on the TomTom Bandit or the record button in the Mobile app to stop the recording.
   - The TomTom Bandit beeps and the red LEDs stop flashing.
5. Edit and upload your videos using the Mobile app.

Video highlights

Highlights are added to your video while you are recording. A highlight marks an exciting part of your action video, for example high speed, a jump or even a beautiful view that you might like to view later and add to your video story. A video can contain many highlights.

The highlights let you easily playback your video, create your video story and share your video using the Mobile app or Bandit Studio. Your highlights are shown separately from the video they are in. Each single highlight marks a 6 second length of video.

The highlights are added to your video using inputs from built-in sensors, external sensors, or manually, to highlight the most exciting parts of the action. The highlights from built-in and external sensors are added automatically.

Tip: You can also add highlights to your video when you view it in the Mobile app or Bandit Studio, and you can adjust the position and duration of a highlight.

The following highlights and their symbols are used:

Speed.

G-force.

Maximum acceleration.

Maximum deceleration.

Maximum rotation.

Maximum vertical speed.

Heart rate from a heart rate monitor.

Manual highlight.

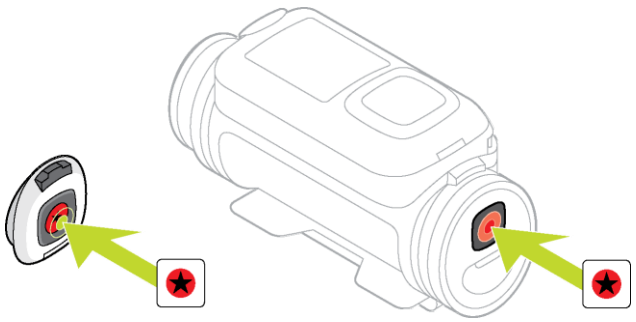
Adding a manual highlight

You can add a highlight manually to your video when something exciting or memorable happens, either before or after the event.

Manually highlight your video when something happens that automatic highlighting might not detect, for example a beautiful view, the high point of a walk or being with your friends.

Tip: You can also add highlights to your video when you view it in the Mobile app or Bandit Studio, and you can adjust the position and duration of a highlight.

To manually add a highlight while recording a video, press the START button on the TomTom Bandit or the remote control, or the highlight button on the Mobile app.



If you are using the TomTom Bandit without the Mobile app, when you have manually added a highlight, the screen shows a star symbol and the message **New highlight**.

Taking photos

About taking photos

You can use your TomTom Bandit to take photos in the following modes:

- Normal - A single photo is taken.
- Burst - A series of photos are taken in a very short time.

You can select the mode using the control button on the TomTom Bandit, or you can use the Mobile app.

Each photo mode has its own range of settings.

Photo Mode Summary

Mode	Resolution	Capture rate	**Field of view**
NORMAL	16 MP	Single photo	Wide
BURST	16 MP	10 photos in 1 s 10 photos in 2 s	Wide
BURST	8 MP	10 photos in 1 s 10 photos in 2 s	Wide

Photos are saved in JPEG format.

Taking single photos

You can take a photo either directly from the TomTom Bandit, or by using the remote control, or from the Mobile app.

To take single photos, select **NORMAL** mode, either directly on the TomTom Bandit or from the Mobile app.

Note: If your TomTom Bandit is connected to the Mobile app, you can only use the app to change TomTom Bandit settings.

Take a photo using only the TomTom Bandit or the remote control

1. Select **NORMAL** photo settings on the TomTom Bandit.
2. Press the START button on the TomTom Bandit or remote control.
   - The TomTom Bandit beeps and the red LEDs flash to show that a photo is being taken.
   - The TomTom Bandit beeps again when the photo is saved.
   - The TomTom Bandit screen shows the number of photos taken.

   Tip: Move right on the TomTom Bandit screen to see the time remaining that you can video or how many photos you can take. The time remaining depends on the space available on the microSD card, and the photo mode you are using.
3. Edit and upload your photos using the Mobile app or Bandit Studio.

Take a photo using the Mobile app

1. Connect the Mobile app to your TomTom Bandit.
2. Select **Single photo** on the Mobile app.
3. Press the START button on the TomTom Bandit or the record button in the Mobile app.

- The TomTom Bandit beeps and the red LEDs flash to show that a photo is being taken.
- The TomTom Bandit beeps again when the photo is saved.

4. Edit and upload your photos using the Mobile app.

Taking burst photos

You can take burst photos either directly from the TomTom Bandit, or by using the remote control, or from the Mobile app.

To take burst photos, select **BURST** mode, either directly on the TomTom Bandit or from the Mobile app.

Note: If your TomTom Bandit is connected to the Mobile app, you can only use the app to change TomTom Bandit settings.

Take burst photos using only the TomTom Bandit or the remote control

1. Press the START button on the TomTom Bandit or remote control.
   - The TomTom Bandit beeps and the red LEDs flash to show that photos are being taken.
   - The TomTom Bandit beeps again when the photos are saved.
   - The TomTom Bandit screen shows the number of photos taken.

   Tip: Move right on the TomTom Bandit screen to see the time remaining that you can video. The time remaining depends on the space available on the microSD card, and the photo mode you are using.
2. Edit and upload your photos using the Mobile app or Bandit Studio.

Take burst photos using the Mobile app

1. Connect the Mobile app to your TomTom Bandit.
2. Press the START button on the TomTom Bandit or the record button in the Mobile app.
   - The TomTom Bandit beeps and the red LEDs flash to show that photos are being taken.
   - The TomTom Bandit beeps again when the photos are saved.
3. Edit and upload your photos using the Mobile app.

Settings

About settings

Note: You can also change settings using the Mobile App on your smartphone.

To change settings that you use frequently such as the TomTom Bandit mode, move left from the Camera Status screen.

To access other settings that you may need to change less frequently, use the Settings menu. These settings determine the overall behaviour of your TomTom Bandit, and are used to adjust the mode settings for each photo and video mode.

From the Camera Status screen, move down to open the **SETTINGS** menu. The Settings menu has the following items:

- **VIDEO** or **PHOTO** - Use these settings to adjust the mode settings for the Photo or Video mode you have selected.
- **GENERAL** - These settings determine the overall behaviour of your camera
- **STATUS** - This screen shows you the general status of your camera.

About Bluetooth

Your TomTom Bandit uses the Bluetooth 4.0 specification for Bluetooth Smart, which is also known as Bluetooth Low Energy or BLE.

BLE is used for the following:

1. Connections to external sensors that support BLE.
2. Connection to the remote control.
3. Waking up the TomTom Bandit using the remote control.
4. Using your smartphone to switch the TomTom Bandit's Wi-Fi connection on when the TomTom Bandit is not connected and is not easily accessible. (Apple iOS only.)

Note: On the TomTom Bandit, Bluetooth is always switched on.

About Wi-Fi

What is Wi-Fi used for?

Wi-Fi is used to connect your TomTom Bandit to your smartphone. The Mobile app uses the Wi-Fi connection for the viewfinder, video and photo play back, creation of your video story, and for sharing your media.

Switching Wi-Fi on

Tip: For iOS only. If your smartphone is Bluetooth Smart (BLE) capable, Wi-Fi is switched on and off automatically by the Mobile app. Wi-Fi is also switched off when it isn't used for a while.

Follow these steps to connect your TomTom Bandit to your smartphone, and start the Mobile app:

1. Switch on your TomTom Bandit.
2. From the Camera Status screen, move up to turn on the TomTom Bandit's Wi-Fi connection.
   The name of the Wi-Fi connection and the password are shown on the screen.

3. On your smartphone, go to the phone's Wi-Fi settings screen then select the TomTom Bandit Wi-Fi connection from the network list.
4. Enter the password shown on the TomTom Bandit screen.

   Your phone connects to the TomTom Bandit. On the TomTom Bandit, the screen shows **Connected to device**.
5. Start the Mobile app.

   The Mobile app starts and shows the **Viewfinder** screen.

About QuickGPSFix

In the following situations, your TomTom Bandit uses QuickGPSFix to help find your position:

- The TomTom Bandit hasn't been used for a long time.
- The TomTom Bandit has been out of GPS coverage for more than one week.
- The TomTom Bandit is restarted more than 500 km away from your previous position.

QuickGPSfix contains information about satellite positions which helps your TomTom Bandit find your position faster.

Tip: QuickGPSFix information is updated automatically from the Mobile app.

General settings

These settings determine the overall behaviour of your TomTom Bandit.

Connect

Note: You can also change settings using the Mobile App on your smartphone.

From the Camera Status screen on your TomTom Bandit, move right then move down to open the **SETTINGS** menu. Select **GENERAL** then select **CONNECT**.

Use these settings to connect your TomTom Bandit to your smartphone, a remote control or an external sensor.

Phone - Settings - Camera

The Mobile app will not start until you have connected your smartphone to your TomTom Bandit using Wi-Fi.

Tip: For iOS only. If your smartphone is Bluetooth Smart (BLE) capable, Wi-Fi is switched on and off automatically by the Mobile app. Wi-Fi is also switched off when it isn't used for a while.

Follow these steps to connect your TomTom Bandit to your smartphone, and start the Mobile app:

1. Switch on your TomTom Bandit.
2. From the Camera Status screen, move up to turn on the TomTom Bandit's Wi-Fi connection.

   The name of the Wi-Fi connection and the password are shown on the screen.
3. On your smartphone, go to the phone's Wi-Fi settings screen then select the TomTom Bandit Wi-Fi connection from the network list.
4. Enter the password shown on the TomTom Bandit screen.

   Your phone connects to the TomTom Bandit. On the TomTom Bandit, the screen shows **Connected to device**.
5. Start the Mobile app.

The Mobile app starts and shows the **Viewfinder** screen.

Remote

The remote control can be used to start and stop recording, and to manually add highlights to your video. Use the remote control when you can't easily or safely reach your TomTom Bandit.

You can hold the remote control in your hand, or you can attach it to a place you can easily reach.

Note: The remote uses Bluetooth Smart to connect to your TomTom Bandit, and can only be used with one TomTom Bandit at a time.

Connecting the remote control

1. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu.
2. Select **GENERAL**, then move right.
3. Select **CONNECT**, then move right.
4. Select **REMOTE**, then move right.
5. Move up or down to turn it on.
6. On the remote control, press the ON button for 3 seconds until the LED flashes green three times.

   The remote control is connected to the TomTom Bandit.

Tip: You can also use the Mobile app live viewfinder as a remote control.

Sensors

You can connect and then turn on and off an external sensor, for example a heart rate monitor.

You can check if a heart rate monitor or other sensor is working without having to start an activity. See **Testing a heart rate sensor** lower down in this topic.

Connecting a sensor and switching it on

1. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu.
2. Select **GENERAL**, then move right.
3. Select **CONNECT**, then move right.
4. Select **SENSORS**, then move right.
5. Select **HEART**, then move right, followed by moving up or down to turn it ON.

Switching a sensor off

Follow the same steps as shown above but select OFF for step 5.

Testing a heart rate sensor

You can check if a heart rate monitor or sensor are working without having to start an activity. Do the following:

1. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu.
2. Select **GENERAL**, then move right.
3. Select **CONNECT**, then move right.

4. Select **SENSORS**, then move right.
5. Select **HEART** then move right.

   You see ON, OFF or EXTERNAL. If the setting is set to ON or EXTERNAL you see **bpm** which means that your heart rate is measured in beats per minute.

   You then see either your heart rate shown immediately or dashes which blink to show that your watch is searching for the heart rate sensor.

Tip: When the heart rate is detected, the monitor stays active for another 30 seconds in case you want to start an activity straight away.

External Microphone

You can connect and then turn on and off the optional TomTom Bandit external microphone. The external microphone will give better sound quality than the built-in microphone.

Connecting an external microphone

1. Follow the instructions that came with the external microphone to connect the microphone to the TomTom Bandit.
2. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu.
3. Select **GENERAL**, then move right.
4. Select **CONNECT**, then move right.
5. Select **EXT MIC**, then move right, followed by moving up or down to turn it ON.

Switching an external microphone off

Follow the same steps as shown above but select OFF for step 5.

Camera

Note: You can also change settings using the Mobile App on your smartphone.

From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu. Select **GENERAL** then select **CAMERA**.

Use these settings to select the general options for your TomTom Bandit, such as language and units.

Language

Select **LANGUAGE** to set the language used for menus and messages on your TomTom Bandit.

Units

Select **UNITS** to set the units to **KM** (metric) or **Miles** (imperial).

Beep

Select **BEEP** to switch the buzzer sound on the TomTom Bandit **ON** or **OFF**.

When the TomTom Bandit is out of your sight, for example when mounted on your helmet, the buzzer tells you when the TomTom Bandit has started and stopped recording, when the power is switched on or off, and for notifications.

You may wish to turn the buzzer off if you need silence when recording, for example, when in a landscape with wildlife.

Note: This setting does not control the audio recordings made while videoing.

Light

Select **LIGHT** to switch the screen backlight **ON** or **OFF**.

Tip: Switch the backlight off to save battery power.

Reset

Select **RESET** to choose from two reset options:

- **RESET ALL** resets your TomTom Bandit to the factory settings and restarts the TomTom Bandit.

  Note: A reset does not delete your photos and videos stored on the microSD card.

- **RESET WIFI** generates a new Wi-Fi name and password.

Storage

Using the **STORAGE** settings you can delete items from the microSD card and format the memory card.

Deleting the last file

This selection deletes only the last file that was recorded and stored on the microSD card since the TomTom Bandit was switched on. If no file was stored since the TomTom Bandit was last switched on, then no file is deleted.

1. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu.
2. Select **GENERAL** then select **STORAGE**.
3. Select **DELETE LAST**.

Deleting all photos and videos

This selection deletes all the photos and videos you made with your TomTom Bandit from the microSD card.

1. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu.
2. Select **GENERAL** then select **STORAGE**.
3. Select **DELETE ALL**.

Formatting the memory card

This selection formats your microSD card.

Important: Formatting a microSD card deletes all files stored on the memory card.

Note: When a microSD card is formatted by the TomTom Bandit, the volume name is chosen by the TomTom Bandit, for example "TOMTOMCAM" and you cannot change the name.

1. From the Camera Status screen on your TomTom Bandit, move down to open the **SETTINGS** menu.
2. Select **GENERAL** then select **STORAGE**.
3. Select **FORMAT SD**.

Flight Mode

When flight mode or airplane mode is switched on, an aeroplane icon is shown on the camera screen and all Wi-Fi and Bluetooth connectivity is disabled.

Select flight **MODE** to switch flight/aeroplane mode on the TomTom Bandit **ON** or **OFF**.

About

The **About** screen contains standards and legal information that is applicable to the TomTom Bandit.

Batt-Stick

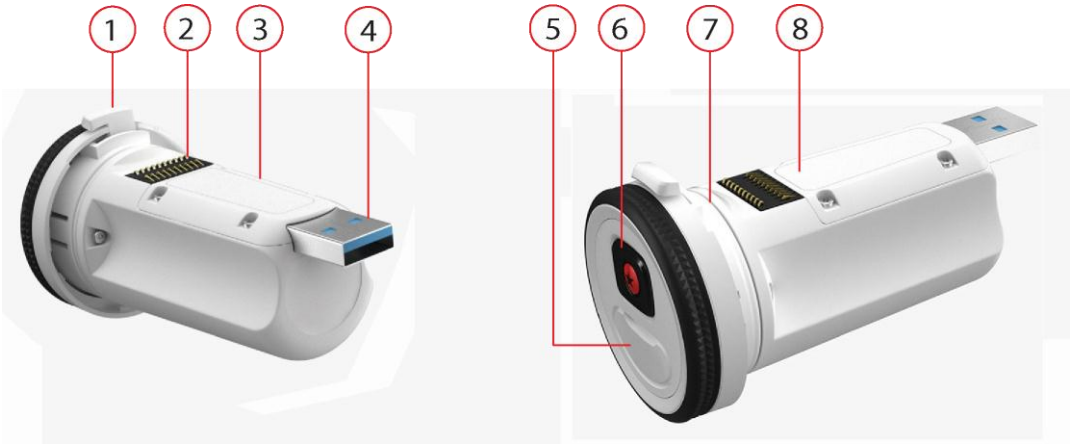
About the Batt-Stick

The Batt-Stick provides power for your TomTom Bandit and storage space for all your videos and photos. When the Batt-Stick is inserted into the TomTom Bandit and locked, it forms a waterproof seal.

The Batt-Stick contains TomTom Bandit battery and holds the microSD card. The USB connector is used to charge the Batt-Stick and to transfer files to a computer. There is also an external connector for an optional power cable.

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

Tip: Additional Batt-Sticks are available as accessories. Carry additional Batt-Sticks with you so you always have enough power for your TomTom Bandit. Always keep the waterproof cover on a Batt-Stick when the Batt-Stick isn't being used.



1. Batt-Stick lock.
2. TomTom Bandit connector.
3. microSD card slot.
4. USB 3.0 connector for charging and data transfer.
5. Connector with rubber cap for optional power cable and external audio cable.
6. TomTom Bandit ON, START and manual highlighting button.
7. Batt-Stick seal.
8. Battery power indicator.

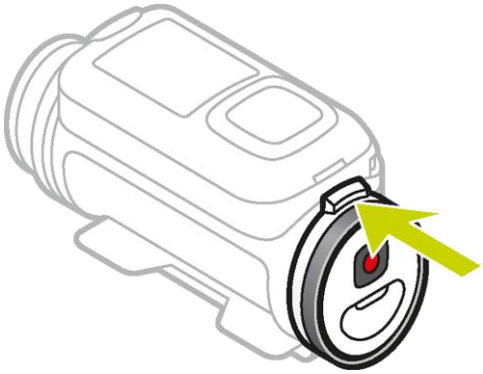
Removing the Batt-Stick

You must remove the Batt-Stick to insert a memory card or to use a different Batt-Stick. You can also use its USB connector to charge the Batt-Stick and transfer files to a computer.

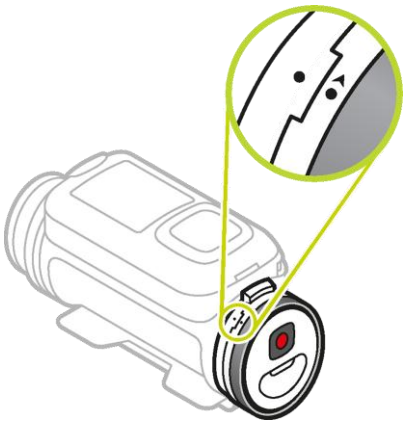
Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

To remove the Batt-Stick, follow these steps:

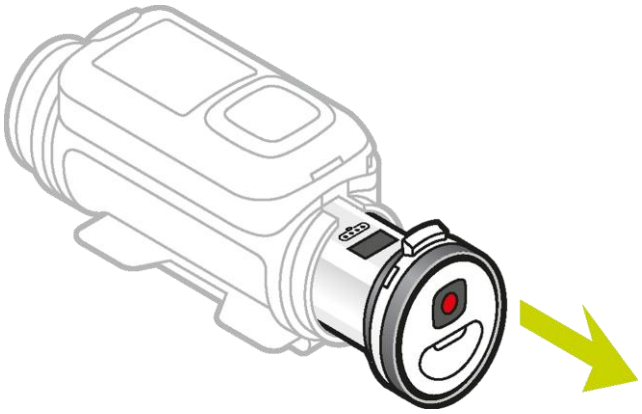
1. Press the release lever of the Batt-Stick.



2. While holding the lever turn the cap anti-clockwise until you see two dots aligned.



3. Pull the Batt-Stick out.



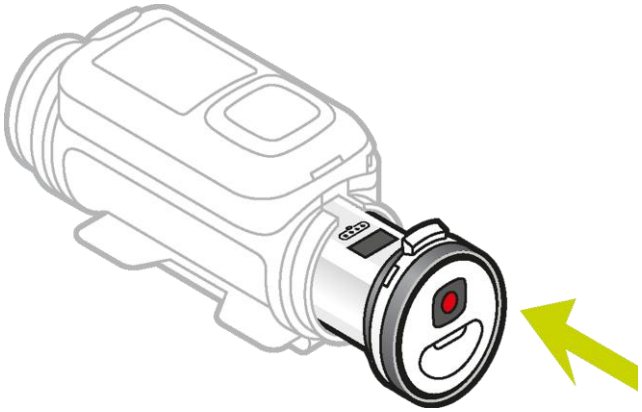
Installing the Batt-Stick

Inserting the Batt-stick

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

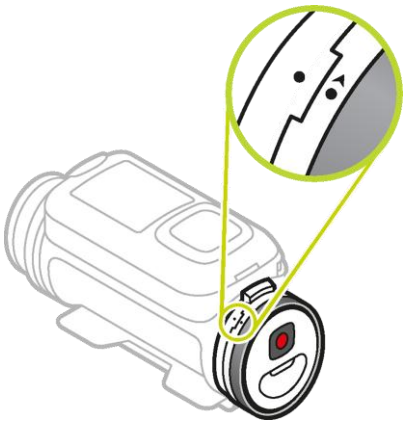
To insert the Batt-Stick, follow these steps:

1. Insert the Batt-Stick into the camera.

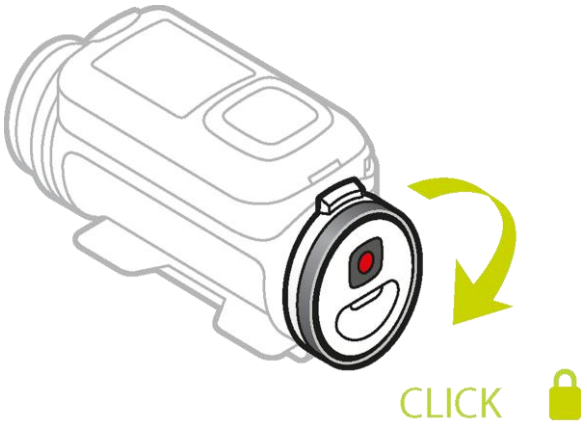


2. Make sure the two dots align and are close together.

Important: If you see only one dot when the Batt-Stick is inserted do not try to turn it. You must first put the Batt-Stick in the unlocked position before you can insert it correctly.



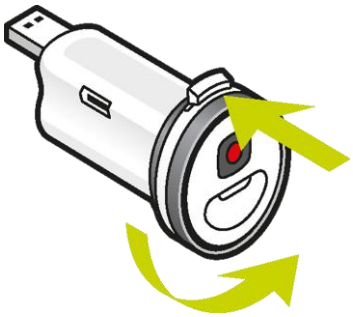
3. Turn the cap clockwise to lock the Batt-Stick into the camera.



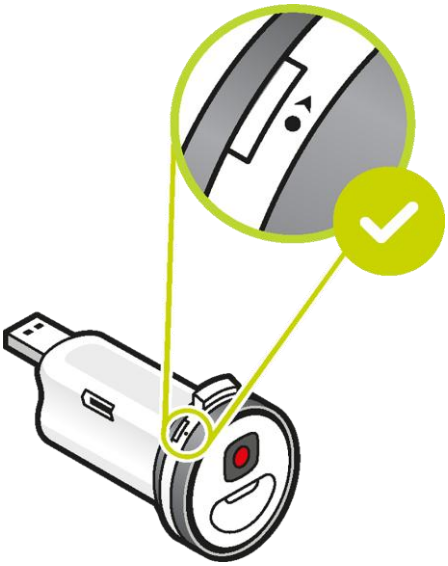
Unlocking the Batt-Stick

To put the Batt-Stick in the unlocked position follow these steps:

1. Hold the Batt-Stick and press the release lever while turning the cap anti-clockwise.



2. When you see a dot and arrow to the left of the release lever the Batt-Stick can be inserted as described above.



Charging your TomTom Bandit

You can charge your TomTom Bandit in the following two ways:

Charging the Batt-Stick using a USB socket

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

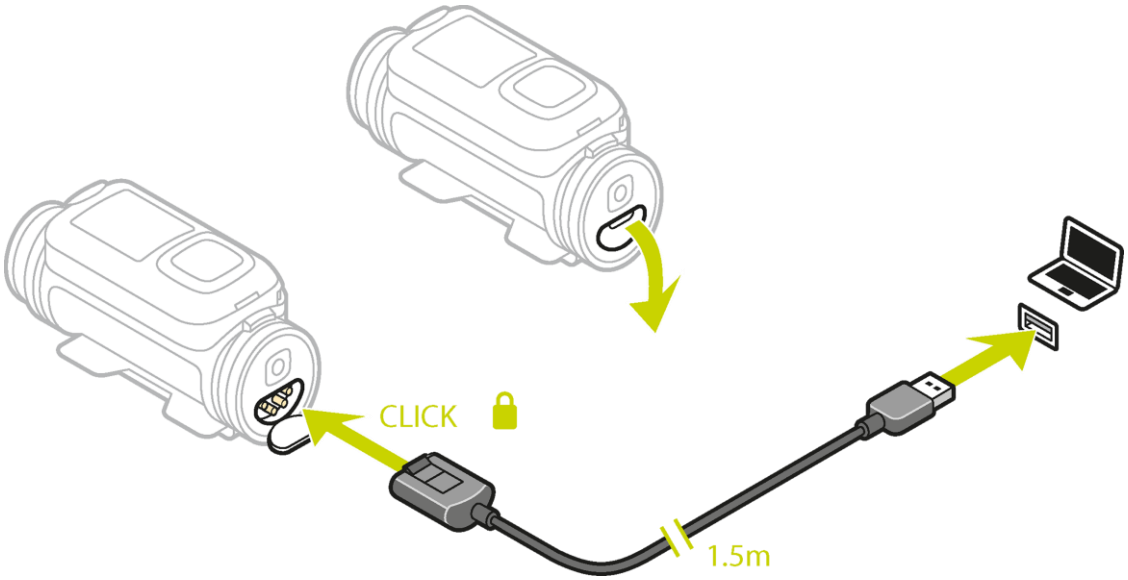
1. Remove the Batt-Stick from the TomTom Bandit.
2. Insert the Batt-Stick USB connector into your computer's USB socket or a standard USB wall-charger.

   Tip: While the Batt-Stick is charging, the LEDs show the charge level and one LED flashes.
3. To see the power level of the Batt-Stick, remove the USB connector from the USB charging socket, then press the ON button.

   The LEDs light up to show the power level.
4. When the Batt-Stick is charged, install the Batt-Stick into the TomTom Bandit.

Charging the TomTom Bandit using the optional power cable

1. Open the connector cap on the back of the Batt-Stick.



   Tip: You don't have to remove the Batt-Stick from the TomTom Bandit.
2. Connect the power cable to the Batt-Stick connector and to a USB socket.

   You can see the battery power level on the STATUS screen in the SETTINGS menu.

Inserting a memory card

The photos you take and the videos you record are stored on a microSD card that is located in the Batt-Stick. Use a microSD card that is a Class 10 standard or higher. Go to tomtom.com/support for a list of approved compatible microSD cards.

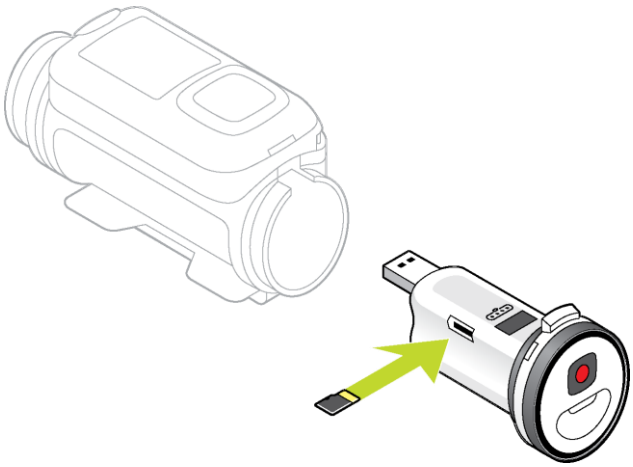
Note: If you insert a microSD card that is too slow to work with your TomTom Bandit, the TomTom Bandit shows you a message and you are asked to use a compatible microSD card.

Tip: MicroSD cards can degrade over time, and performance may decrease as the microSD card fills up. To maintain performance, you should regularly format your microSD card.

Important: If you remove the Batt-Stick or lens cover be extra careful not to let dirt or water enter the TomTom Bandit or the Batt-Stick. Only remove the Batt-Stick or lens cover in clean and dry conditions.

1. Remove the Batt-Stick from the TomTom Bandit.
2. Insert the microSD card into the memory card slot in the Batt-Stick.

   Important: The microSD card must be inserted with the contacts facing up.



3. Install the Batt-Stick into the TomTom Bandit.

Transferring data from the Batt-Stick

The photos you take and the videos you record are stored on a microSD card that is located in the Batt-Stick. The best way to view your videos, photos and highlights is by using the Mobile app and Bandit Studio.

If you want to make space on your microSD card, you can move your videos and photos from your Batt-Stick to your computer and view them later in Bandit Studio.

1. Remove the Batt-Stick from the TomTom Bandit.
2. Insert the Batt-Stick USB connector into a USB port on your computer.
3. On your computer, open a file manager program.
   Your TomTom Bandit appears in your computer's file system as a Removable Disk.
4. Open the DCIM folder to find your videos and photos.
5. Move your files to your computer.

   Tip: Don't forget to make a back-up of your files.
6. Install the Batt-Stick in the TomTom Bandit.

Bandit Mobile App

About the TomTom Bandit Mobile app

The TomTom Bandit Mobile app is the easy way to view your videos and photos, and to create your video story within minutes of the action.

You can also use the Mobile app to change video and photo modes on your TomTom Bandit, to start and stop recording, and to take photos.

You can use the Mobile app to login to a TomTom MySports account. This allows you to register your TomTom Bandit and get software and QuickGPSFix updates.

Note: You cannot use the TomTom Bandit Mobile app until your TomTom Bandit is connected to your smartphone using Wi-Fi.

You can download the TomTom Bandit Mobile app for free from your usual app store or by going to tomtom.com/cam.

Supported operating systems

The TomTom Bandit Mobile app is available for Apple iOS7 and higher, and for Android 4.4 and higher.

Important: Because of limitations in some operating systems, not all Mobile app features are available on all operating systems.

Connecting to the Mobile app

The Mobile app will not start until you have connected your smartphone to your TomTom Bandit using Wi-Fi.

Tip: For iOS only. If your smartphone is Bluetooth Smart (BLE) capable, Wi-Fi is switched on and off automatically by the Mobile app. Wi-Fi is also switched off when it isn't used for a while.

Follow these steps to connect your TomTom Bandit to your smartphone, and start the Mobile app:

1. Switch on your TomTom Bandit.
2. From the Camera Status screen, move up to turn on the TomTom Bandit's Wi-Fi connection.

   The name of the Wi-Fi connection and the password are shown on the screen.
3. On your smartphone, go to the phone's Wi-Fi settings screen then select the TomTom Bandit Wi-Fi connection from the network list.
4. Enter the password shown on the TomTom Bandit screen.

   Your phone connects to the TomTom Bandit. On the TomTom Bandit, the screen shows **Connected to device**.
5. Start the Mobile app.

   The Mobile app starts and shows the **Viewfinder** screen.

Log in to TomTom MySports

Login to TomTom MySports and register your TomTom Bandit to get software updates and QuickGPSFix updates from TomTom.

You can login to TomTom MySports with an existing account, or you can create a new account.

1. Select **Preferences** in the menu.
2. Select **Log in**.
3. Enter your email address and password of your existing account, or create a new account.
4. Follow the on-screen instructions to register your TomTom Bandit and get updates.

Disconnecting from the Mobile app

You can disconnect your TomTom Bandit from the Mobile app in the following ways:

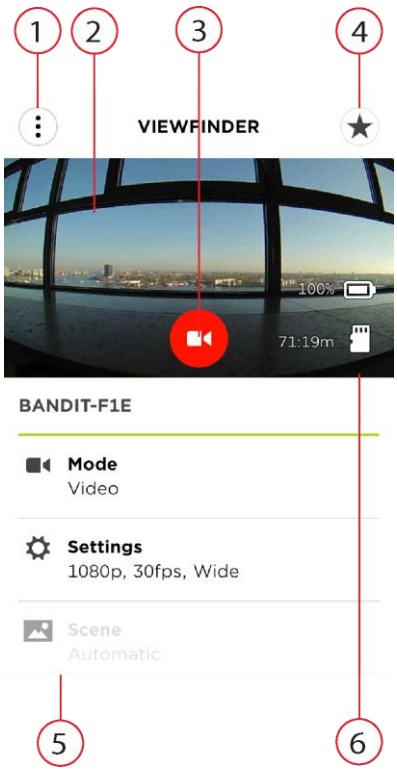
- On your TomTom Bandit move right to the **DISCONNECT** screen, then move left to **YES**.
- On your Mobile, close the Mobile app.

The TomTom Bandit Wi-Fi connection is switched off. Your smartphone will revert to a Wi-Fi connection available in your area.

Note: You cannot use the Mobile app when there is no Wi-Fi connection to your TomTom Bandit.

What's on the screen

The TomTom Bandit Mobile app shows the **Viewfinder** screen when the app starts.



1. Menu button.

   Select this button to open the menu. From the menu you can open the Library, create your video story, and change Mobile app preferences.

2. Live Viewfinder.

   The live viewfinder shows the live image from the TomTom Bandit. Use the image to help you frame your video or photo when your TomTom Bandit is mounted out of sight or in a position that's difficult to reach.

   Tip: Turn your smartphone to landscape to view the viewfinder in full-screen mode. The video and photo settings are not shown in full-screen mode.

3. Remote Control button.

   Use this button to start and stop the TomTom Bandit.

4. Video highlighting button.

   Use this button to manually add highlights to your action video. Your highlights let you easily create your video story.

   Tip: Automatic highlighting is always on.

5. Video and photo settings.

   These settings let you change the video and photo modes and settings.

6. TomTom Bandit information.

   The information shows you the battery level of the Batt-Stick, and the space on the memory card.

Video settings

Each video mode has its own settings. You can change settings directly on the TomTom Bandit or by using the Mobile App.

From the Camera Status screen, move down to the **SETTINGS** menu and select the mode settings for your current video mode, for example **VIDEO** or **SLOW MO**. Move right, then select the settings you want to change.

Video settings

Size	▪ 1080p at 30 fps ▪ 1080p at 60 fps ▪ 720p at 60 fps ▪ 720p at 120 fps
View	▪ Wide ▪ Normal

Slo Motion settings

Size	▪ 1080p at 2x speed ▪ 720p at 4x speed ▪ WVGA at 6x speed
View	▪ Wide ▪ Normal

Cinematic settings

Size	▪ 4k at 15 fps ▪ 2.7k at 30 fps

Timelapse settings

Size	▪ 4k at 15 fps ▪ 4k at 30 fps ▪ 1080p at 15 fps ▪ 1080p at 30 fps
Interval	▪ 1s, 5s, 10s, 15s, 30s, 60s

Photo settings

Use the photo settings to select a photo mode. Once a mode has been chosen, you can then select settings for that photo mode. You can change settings directly on the TomTom Bandit or by using the Mobile App.

From the Camera Status screen, move down to the **SETTINGS** menu and select **PHOTO**. Move right to select a mode, for example **BURST**, then select the settings you want to change.

NORMAL **settings**

Size	▪ 16 MP

BURST **settings**

Size	▪ 8 MP ▪ 16 MP
Burst	▪ Up to 10 photos in 1 s ▪ Up to 10 photos in 2 s

Video highlights

Highlights are added to your video while you are recording. A highlight marks an exciting part of your action video, for example high speed, a jump or even a beautiful view that you might like to view later and add to your video story. A video can contain many highlights.

The highlights let you easily playback your video, create your video story and share your video using the Mobile app or Bandit Studio. Your highlights are shown separately from the video they are in. Each single highlight marks a 6 second length of video.

The highlights are added to your video using inputs from built-in sensors, external sensors, or manually, to highlight the most exciting parts of the action. The highlights from built-in and external sensors are added automatically.

Tip: You can also add highlights to your video when you view it in the Mobile app or Bandit Studio, and you can adjust the position and duration of a highlight.

The following highlights and their symbols are used:

Speed.

G-force.

Maximum acceleration.

Maximum deceleration.

Maximum rotation.

Maximum vertical speed.

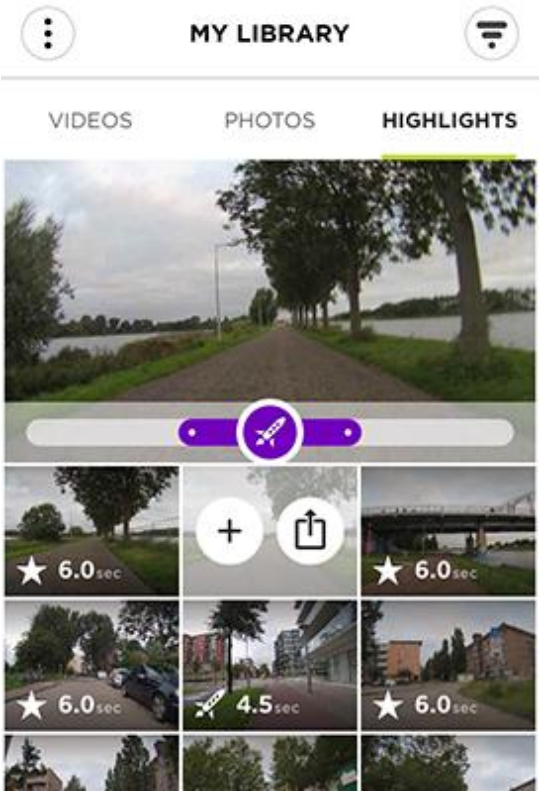
Heart rate from a heart rate monitor.

Manual highlight.

My Library

My Library shows the videos, photos and highlights that are on your TomTom Bandit. You can view your complete videos or just see your video highlights.

Tip: The videos and photos remain on your TomTom Bandit until you delete them.



The menu button.

Select this button to show the menu.

The filter button.

Select this button to show the filters you can use to find the videos, photos or highlights you want.

Tip: You can also swipe left to show the filters.

Select video highlight button.

Select this button to select the video highlight for your story. Open the **Create a Story** screen to see your selected video highlights.

Upload video, photo or highlight button.

Select this button to upload a video, photo or highlight from your TomTom

Bandit to your phone.

Delete a video, photo or highlight button.

Swipe left on a video, photo or highlight to show the delete button. Select the button to delete the video or photo from your TomTom Bandit.

Viewing a video or photo in My Library

1. Select **Videos**, **Photos** or **Highlights** from the menu.
2. Select a video, a photo or a highlight.
   The selected video or highlight starts to play in the video player.
   The selected photo is shown in the viewer.

Tip: Turn your smartphone to landscape to view the video or photo in full-screen mode.
Tip: If you are viewing a video, select a highlight to play the video from that highlight.

3. Swipe left or right to see the previous or next video, photo or highlight.
4. Swipe up to close the viewer.

Adding a highlight to a video

If some important moments in your video have not been highlighted, you can manually add highlights to the video so those moments will also become part of your video story.

1. Select **Videos** from the menu.
2. Select the video you want to add a highlight to.
   The video starts playing in the video player.
3. Turn your phone to landscape to view the video in full-screen mode.
4. When the video is at the moment that you want add a highlight, select the highlight button at the top right-hand corner of the screen.

A highlight is added to your video. You can see the highlights as green dots in the video time-bar at the bottom of the video player.

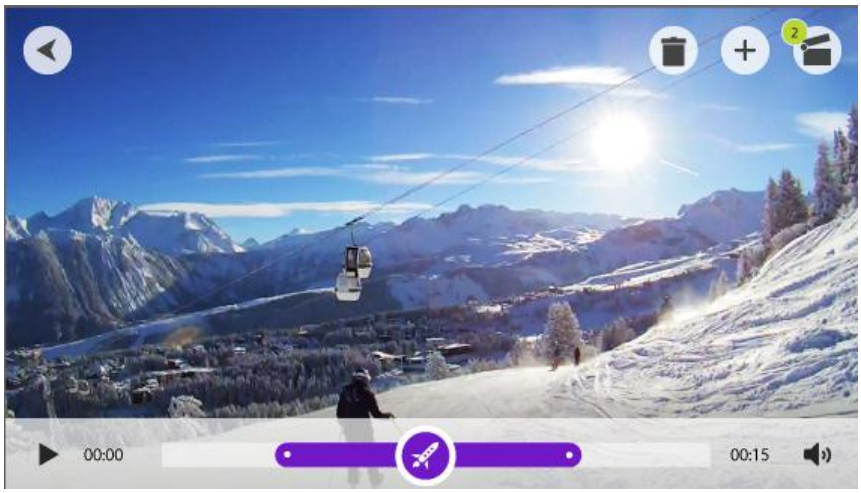
Tip: If you cannot see the video time-bar, tap the screen to show the bar.

Adjusting a highlight

Sometimes a highlight tag misses the most exciting part of your video. You can adjust the start and finish points of the highlight, and its duration, as follows:

1. Select **Highlights** from the menu.
2. Select the highlight that you want to adjust.
   The highlight starts playing in the video player.
3. Turn your phone to landscape to view the video in full-screen mode so it is easier to edit.
4. You can adjust the highlight using its time-bar in the following ways:
   - Slide the start dot to the point that you want your highlight to start.
   - Slide the end dot to the point that you want your highlight to end.

- Slide the highlight symbol to move the whole highlight towards the start or the end.



Your highlight is automatically saved.

Uploading your photos

If you just want to upload a complete video or a photo to you phone, follow this procedure:

1. Select **Videos**, **Photos** or **Highlights** from the menu.
2. Select a video, a photo or a highlight.
   The selected video or highlight starts to play in the video player.
   The selected photo is shown in the viewer.

   Tip: Turn your smartphone to landscape to view the video or photo in full-screen mode.
3. Select the upload button to upload the video, photo or highlight to your phone's gallery.

Deleting a video, photo or a highlight

1. Select **Videos**, **Photos** or **Highlights** from the menu.
2. Swipe left on the video, photo or highlight that you want to delete.
3. Select the delete button.

4. Select **Yes** to delete your video, photo or highlight from your TomTom Bandit.

Creating a story using the mobile app

You can create a video story from highlights in your TomTom Bandit videos. The highlights were added automatically and manually when the video was recorded, but you can also add highlights to a video using the Mobile app.

Using the Mobile app, you can create your story in different ways. The easiest and quickest is to just shake to edit and let your smartphone do the work, but you can also create a video story yourself.

Settings for Create a Story

The **Create a Story** settings are used to set the duration of your video story, and to set the date range of the videos used to create your story.

Select **Create a story** from the menu, then select the settings button.

Duration

Select the maximum duration of your video story that is created when you shake your phone. Remember that a long video will have a large file size and will take a longer time to upload and share.

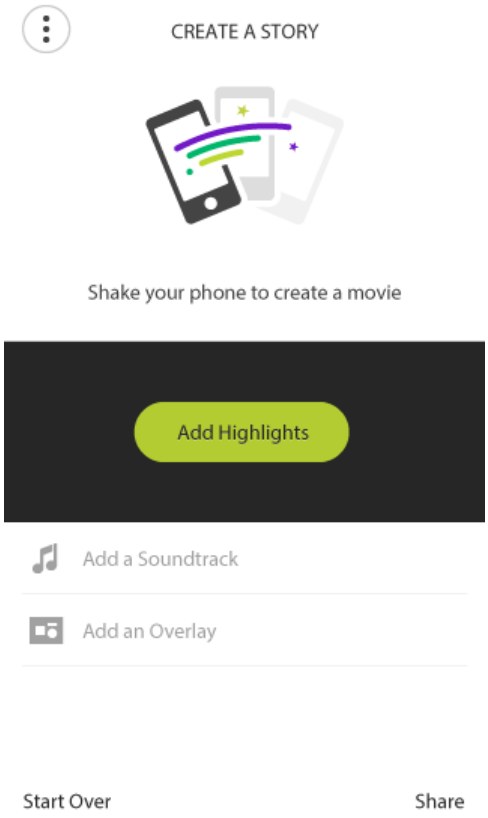
Date range

Select the maximum date range from which video highlights are selected to create your video story.

Shaking your mobile to create a video

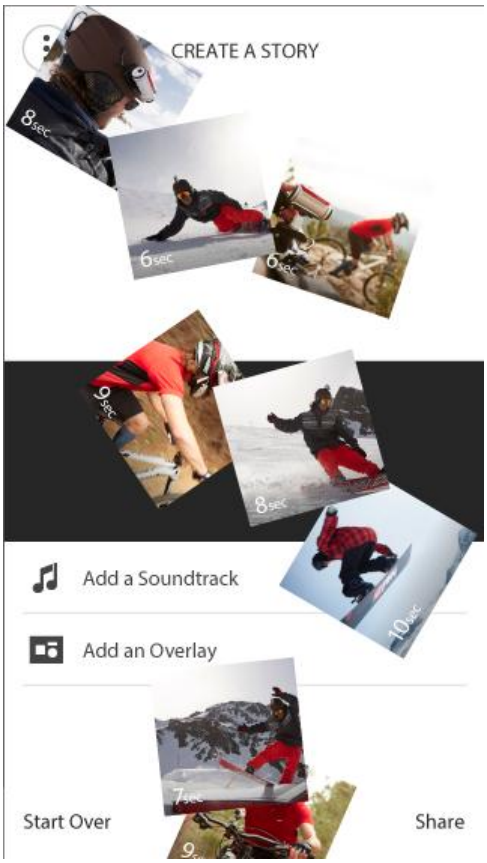
Note: You must have highlights in your videos to be able to create a video story.

1. Select **Create a story** from the menu.



2. Shake your phone to create a video story.
   The Mobile app creates a video story from your video highlights. The video plays in the video player.

Tip: Turn your phone to landscape to view the video in full-screen mode.



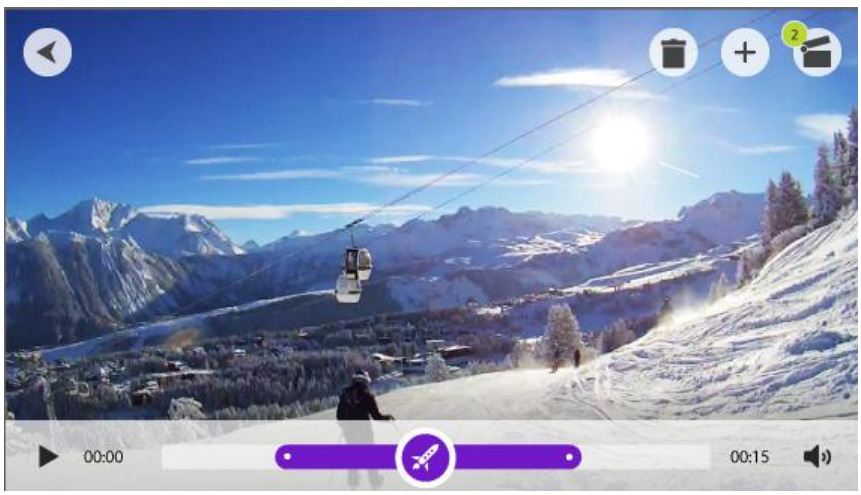
You can now edit and share your video story.

Manually selecting your video highlights

Note: You must have highlights in your videos to be able to create a video story.

1. Select **Highlights** from the menu.
2. Select a highlight.
   The highlight plays in the viewer.

Tip: You can adjust the duration of the highlight and its start and end points.



3. If you want to use the highlight in your video story, select the select video button.

4. Select more highlights to add to your video story.
5. Select **Create a story** from the menu.

Tip: You can also select the confirmation bar that appears when you select a highlight.

The Mobile app creates a video from your video highlights. The video plays in the video player.

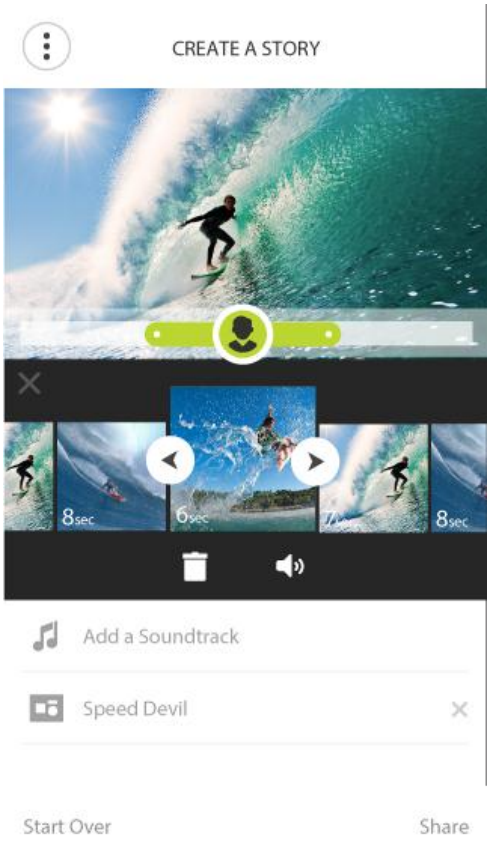
Tip: Turn your phone to landscape to view the video in full-screen mode.

You can now edit and share your video story.

Editing your video story

After you have created your video story from your highlights, either by shaking or manually, you can edit your video story.

1. To edit the order of the highlights used to create your video story, select and hold a highlight moment from the highlight bar then move it left or right using the buttons that appear.



2. To delete a highlight moment from the highlight bar, select the highlight then select the delete button.
3. To add a highlight, scroll to the end of your video story and select the + button to manually select video highlights.

   Your highlights are added to the end of your video story.
4. Select the sound button to switch off the sound from the selected highlight.
5. Select **Add an overlay** to add metrics to the selected highlight. (This feature is only available on iOS devices.)

6. Select **Add a soundtrack** to add a music track to your video story.
7. Select the **Share** button.

   Your video story is created and saved in your phone's video gallery. From the gallery you can upload your video story to your chosen website.

Uploading your video story

When you have created your video story select the **Share** button. Your video story is transferred to your phone's video gallery. From the gallery you can upload your video story to your chosen website.

Tip: Save your video story locally on your phone, then upload it later when you have a Wi-Fi connection to a network. Your video story will upload quicker and in a higher quality, and you won't have mobile data charges.

Camera status

This screen shows information about your TomTom Bandit. You may be asked to go to this screen during a call to TomTom Customer Support.

Preferences

App Settings

Highlight units

Select the units for the metrics that are shown with your highlights.

Data Settings

Choose to download camera updates and QuickGPSFix updates using only Wi-Fi, or using Wi-Fi and your mobile data connection.

Important: Using mobile data to download updates will use your data connection and may cost you money.

Help us improve

We will continually improve the TomTom Bandit mobile app and introduce new features. To help us, you can share anonymous information about your app and how you use it.

About

This is an information screen rather than a setting and shows you information about the TomTom Bandit and the Mobile app.

Bandit Studio

About Bandit Studio

Bandit Studio is the easy way to view your videos and photos, and to create your video story, on your computer. You can import videos and photos directly from your Batt-Stick, or from a location on your computer.

Note: You can only import video files that have been created on a TomTom Bandit.

You can use Bandit Studio to log in to a TomTom MySports account. This allows you to register your TomTom Bandit and get software and QuickGPSFix updates.

You can download Bandit Studio for free by going to tomtom.com/cam.

Supported operating systems

Bandit Studio is available for Apple iOS X 10.7 and higher, and for Microsoft Windows 7 and higher.

Log in to TomTom MySports

Log in to TomTom MySports and register your TomTom Bandit to get software updates and QuickGPSFix updates from TomTom.

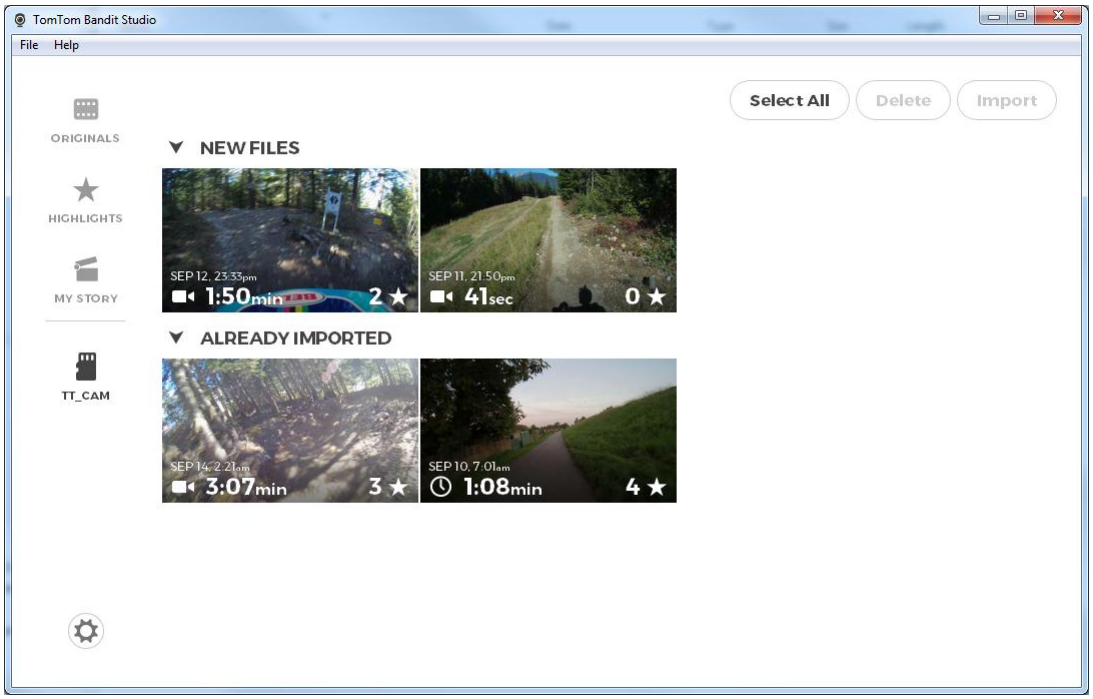
You can log in to TomTom MySports with an existing account, or you can create a new account.

1. Select the settings button.

2. Select **Log In**.
3. Enter your email address and password for your existing account, or create a new account.
4. Follow the on-screen instructions to register your TomTom Bandit.

What's on the screen

When you start Bandit Studio, you see your new files on your Batt-Stick, and your already imported files.



Bandit Studio has the following four screens:

Originals

Original files are the video and photo files that you have already imported from your memory card. These files are stored in your personal videos folder on your computer.

Highlights

The highlights shown are the highlights in the video files that are shown in Originals. You can select the highlights you want to use in your video story, and you can adjust the highlights.

My Story

My Story shows the highlights you have selected to create your video story. You can edit your video story and add music and overlays. The Share feature lets you easily create and share your video story.

Memory card

Memory card shows the video and photo files on your memory card. The memory card can either be in a Batt-Stick or in a card reader. When Studio detects a TomTom Bandit memory card, the memory card screen is shown automatically.

Your new files that are ready to import are shown, and the files that you have already imported to Studio but did not yet delete from your memory card.

Working with the memory card

The memory card screen shows the video and photo files on your memory card. The memory card can either be in a Batt-Stick or in a card reader. When Studio detects a TomTom Bandit memory card, the memory card screen is shown automatically.

Tip: You can disable the automatic start option in Studio Settings.

Double-click on a file to play it or view it in a larger screen. Select the full-screen button in the lower right corner of the viewer to view the video or photo in full-screen mode.

Your new files that are ready to import are shown in your **New Files** list. The files that you have already imported but did not yet delete from your memory card are shown in your **Already Imported** list.

Select a file in your **New Files** list, then select **Import** to copy the files to your computer. The file will be shown in the Originals screen.

Tip: You can select multiple files to import in one time.

If you select and import a file from your **Already Imported** list, you are asked if you want to import it as a duplicate.

After your file is imported, you are asked if you want to delete the file from the memory card.

Importing videos and photos from your computer

If you have moved your videos and photos from your Batt-Stick to your computer, you can import them into Bandit Studio as follows:

1. Open Bandit Studio on your computer.
2. Select **File** then **Import**.
3. Find your TomTom Bandit .MP4 video files in your computer's file system.

   Note: You can only import video files that have been created on a TomTom Bandit.
4. Select the video or photo file you want to import.

   Tip: You can select multiple files.
5. Select **Open**.
   Your files are imported into Bandit Studio and appear in the **Originals** screen.

Working with Originals

Original files are the video and photo files that you have already imported from your memory card or from your computer. These files are stored in your personal videos folder on your computer.

Double-click on a file to play it or view it in a larger screen. Select the full-screen button in the lower right corner of the viewer to view the video or photo in full-screen mode. You can also add highlights to your videos.

Right-clicking on a file shows the following options:

- **Delete** - Deletes your file from the folder on your computer.
- **Show in Explorer** - Opens the folder on your computer that contains the file.

Adding a highlight to a video

If some important moments in your video have not been highlighted, you can manually add highlights to the video so those moments will also become part of your video story.

1. Double-click on a video to play it in a larger screen.
2. When the video is at the moment that you want add a highlight, select the highlight button at the top right-hand corner of the screen.

   A highlight is added to your video. You can see the highlights as green dots and markers in the video time-bar at the bottom of the video player.
3. Select the back button to return to the **Originals** screen.

   Your highlights are automatically saved in your video.

Working with Highlights

Highlights are added to your video while you are recording. You use the highlights to create a video story. The highlights from all your original videos files are shown. The symbol on the highlight shows the type of highlight.

Double-click on a highlight to play it in a larger screen. Select the full-screen button in the lower right corner of the viewer to view the highlight in full-screen mode.

You can adjust a highlight so it includes the most exciting part of the action.

Video highlights

Highlights are added to your video while you are recording. A highlight marks an exciting part of your action video, for example high speed, a jump or even a beautiful view that you might like to view later and add to your video story. A video can contain many highlights.

The highlights let you easily playback your video, create your video story and share your video using the Mobile app or Bandit Studio. Your highlights are shown separately from the video they are in. Each single highlight marks a 6 second length of video.

The highlights are added to your video using inputs from built-in sensors, external sensors, or manually, to highlight the most exciting parts of the action. The highlights from built-in and external sensors are added automatically.

Tip: You can also add highlights to your video when you view it in the Mobile app or Bandit Studio, and you can adjust the position and duration of a highlight.

The following highlights and their symbols are used:

Speed.

G-force.

Maximum acceleration.

Maximum deceleration.

Maximum rotation.

Maximum vertical speed.

Heart rate from a heart rate monitor.

Manual highlight.

Using or deleting a highlight

Click on a highlight to select it, then choose one of the following actions:

Tip: You can also right-click on a highlight to show these actions.

Add the highlight to your video story.

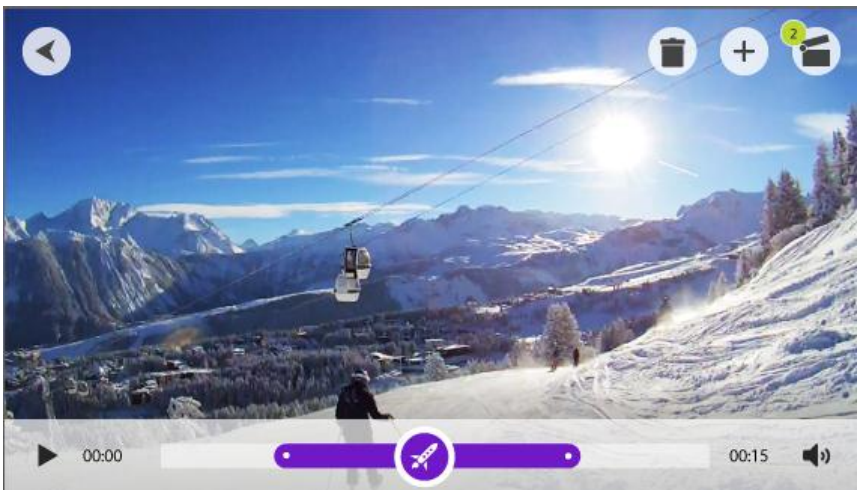
Export the highlight as an MP4 file.

Delete the highlight.

Adjusting a highlight

Sometimes an automatic highlight tag misses the most exciting part of your video. You can adjust the start and finish points of the highlight, and its duration as follows:

1. Double-click on a highlight to play it in a larger screen
2. You can adjust the highlight using its time-bar in the following ways:
   - Slide the start dot to the point that you want your highlight to start.
   - Slide the end dot to the point that you want your highlight to end.
   - Slide the highlight symbol to move the whole highlight towards the start or the end.



3. Select the back button to return to the **Highlights** screen.
   Your highlight changes are automatically saved.

Creating your video story

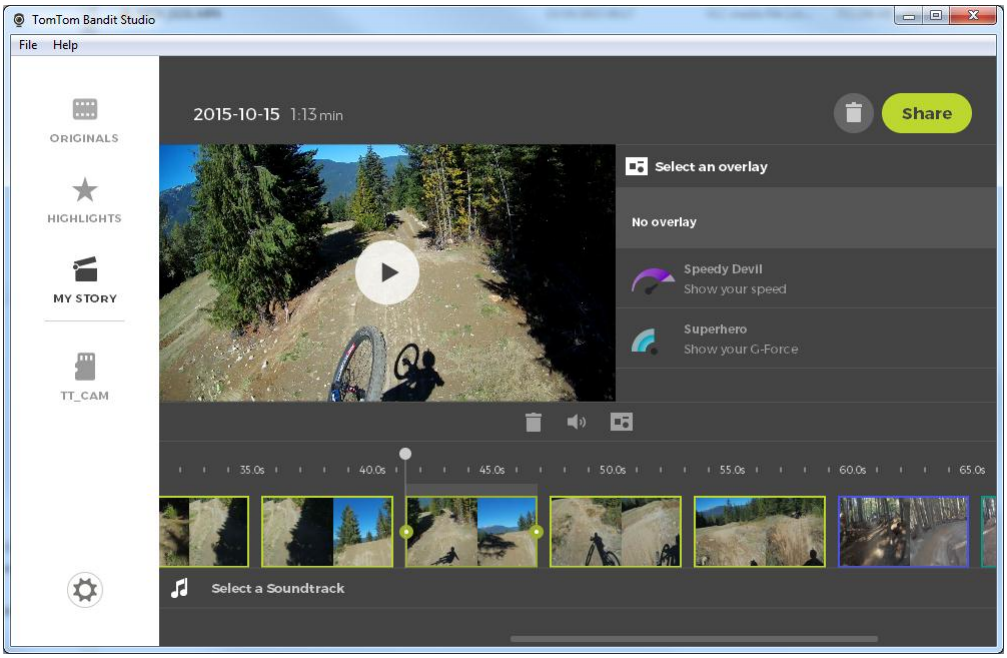
Your video story is created from your video highlights. You can either create your video story in two ways:

- You can select highlights yourself using the Highlights screen.
- You can use the **I Feel Lucky** button on the My Story screen to let Bandit Studio select your highlights.

When your highlights are selected and added, your video is shown in the editing mode so you can edit your video.

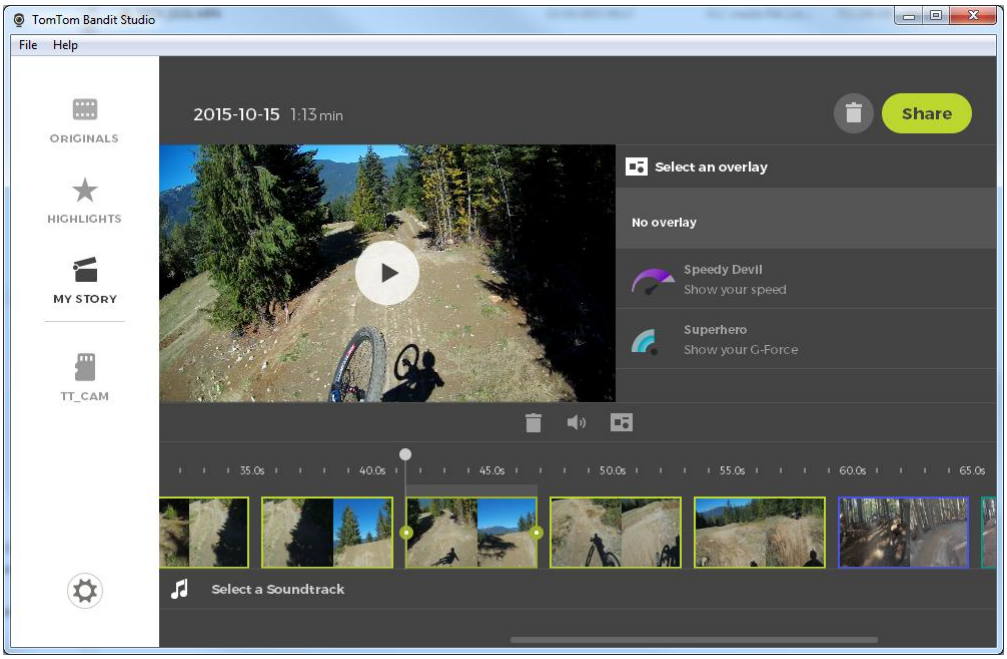
You can play your video by clicking the preview window. Select a highlight to play the video from that point.

The delete button deletes your video story. The highlights are not deleted and can be found in the Highlights screen.



Editing your video story

Your video story is created from your video highlights. You can edit your video story before you share it.



1. To edit the order of the highlights used to create your video story, click and drag a highlight along the highlight bar to the place you want in your video story.
2. To delete a highlight from the highlight bar, select the highlight then select the delete button.
3. To add a highlight, scroll to the end of your video story and select the + button to manually select video highlights.

   Your highlights are added to the end of your video story.
4. Select the sound button to switch off the sound for the selected highlight.
5. Select the overlay button to add metrics to the selected highlight.
6. Select **Select a soundtrack** to add a music track to your video story.
7. Select the **Share** button.

   Your video story is created and saved as an MP4 file on your computer. You can upload your video to your chosen website.

Updating Bandit Studio

1. Select the settings button.

   If a Bandit Studio update is available the screen displays **Update** next to the Studio version number.
2. Select **Update**.

   The Bandit Studio update is downloaded to computer.
3. Follow the instructions on the screen to install the update.

Studio Settings

The settings page shows information about your TomTom Bandit and Bandit Studio. You can update both the camera software and Bandit studio from this page, and choose general settings.

Language

Select your preferred language. Restart Bandit Studio to see your chosen language.

Units

Select the units for the metrics that are shown with your highlights.

Privacy

We continually improve Bandit Studio and introduce new features. To help us, you can share anonymous information about Studio and how you use it.

Auto Start

Bandit Studio starts when you either insert the Batt-Stick USB connector into a USB port on your computer, or you insert the memory card from a Batt-Stick into a card-reader on your computer.

Addendum and Copyright

Addendum

Product and Safety Information

- Before using your Bandit Action Camera, please carefully read all the safety precautions below. Failure to adhere to the guidelines and instructions set out below, in the Quick Start Guide and the Reference Guide could result in an accident or collision resulting in **death or serious injury** and/or a reduction in the performance of your Bandit Action Camera.
- Abide by all local laws and pay close attention to your surroundings before and during shooting. Never operate or check your Bandit Action Camera when operating a bicycle, motorcycle, car, or any other motorised vehicle.
- Never operate a vehicle while operating your Bandit Action Camera with a strap. The strap may become stuck and it may cause a collision, falling, accident, **injury or death**.
- If using your Bandit Action Camera with a helmet mount or strap (or any other accessory), always select accessories that meet the applicable safety standard. Choose the right helmet for your activity.
- Pay close attention when mounting your Bandit Action Camera to prevent it from falling or being damaged. Never mount your Bandit Action Camera in such a way that will obstruct or impair the user's view. Any major impact (for example, dropping or bumping) may damage your Bandit Action Camera.
- Your Bandit Action Camera may get hot. The parts of your Bandit Action Camera could (in rare cases) cause skin irritation. Do not use or store your Bandit Action Camera in hot place such as an automobile, in a dusty, humid, or steamy place for an extended period of time. Your Bandit Action Camera is waterproof. However, TomTom does not guarantee waterproof ability in all conditions. Pay close attention when using your Bandit Action Camera in rain, snow, or by a body of water. If any abnormality is found during use, turn your Bandit Action Camera off immediately.
- Do not use your Bandit Action Camera submerged in water or whilst carrying out activities on the water without the waterproof lens cover. The waterproof lens cover will keep the entire camera waterproof up to 40m (5 ATM) in static conditions.
- The reliability of the camera when you use it under water depends on water pressure, depth changes, water contamination, water saltiness, water temperature, and other environmental factors. Moving the camera vigorously under water at a depth of 40 m (5 ATM) is not advisable. If the camera is subjected to vigorous movement underwater, TomTom cannot guarantee that the camera will still function to its full capacity.
- Keep your Bandit Action Camera's lens cover and Batt-Stick clean. Small debris can cause a leak and/or damage your Bandit Action Camera.
- After every use in water or near sand, mud or other foreign materials, rinse the outside of the camera casing with non-salt water. After cleaning, dry the camera with a clean, dry and lint free cloth. Not doing this can cause corrosion or camera failure.
- Failure to follow these steps each time you use your Bandit Action Camera can result in leaks that may damage or destroy your Bandit Action Camera. Water will damage both the camera and the battery, which could cause an explosion or fire.
- Scratches and cracks to the waterproof rubber will allow water to penetrate into your Bandit Action Camera.

Global Positioning System (GPS) and Global Navigation Satellite System (GLONASS)

The Global Positioning System (GPS) and Global Navigation Satellite System (GLONASS) systems are satellite-based systems that provide location and timing information around the globe. GPS is operated and controlled by the Government of the United States of America, which is solely responsible for its availability and accuracy. GLONASS is operated and controlled by the Government of Russia, which is solely responsible for its availability and accuracy. Changes in GPS or GLONASS availability and accuracy, or in environmental conditions may impact the operation of this device. TomTom disclaims any liability for the availability and accuracy of GPS or GLONASS.

How TomTom uses your information

Information regarding the use of personal information can be found at tomtom.com/privacy.

Battery and Environmental information

This product uses a lithium polymer battery that is not user accessible or user replaceable. Do not open the case or (attempt to) remove the battery. Substances in the product and/or battery may be harmful to the environment or your health if disposed of improperly. The battery contained in the product must be recycled or disposed of properly according to the local laws and regulations and always kept separate from household waste.

WEEE directive

The wheelie bin symbol on the product or its packaging indicates that this product shall not be treated as household waste. In line with EU Directive 2012/19/EU for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling. By doing this you will help conserve the environment.

R&TTE directive

Hereby, TomTom declares that TomTom products and accessories are in compliance with the essential requirements and other relevant provisions of the EU Directive 1999/5/EC. The declaration of conformity can be found here: tomtom.com/legal.

CE

Battery operating temperatures

Operating temperatures for camera battery: -20°C (-4°F) to 40°C (104°F). Do not expose to temperatures beyond this.

FCC information for the user

THE DEVICE COMPLIES WITH PART 15 OF THE FCC RULES

Federal Communications Commission (FCC) Statement

This equipment radiates radio frequency energy and if not used properly - that is, in strict accordance with the instructions in this manual - may cause interference to radio communications and television reception.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device 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.

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

This transmitter within this device must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC ID: S4L4LB00, S4L4LB01, S4L4LBA2

IC: 5767A-4LB00, 5767A-4LB01, 5767A-4LBA2

Radiation Exposure Statement for the CAMERA:

This device meets the 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 for wireless device employs a unit of measurement known as the Specific Absorption Rate, or 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 its highest certified power level in all tested frequency bands.

A minimum separation distance of 1.2 cm must be maintained between the user’s body and the device, including the antenna during body-worn operation to comply with the RF exposure requirements in Europe.

Responsible party in North America

TomTom, Inc., 24 New England Executive Park, Suite 410, Burlington, MA 01803

Tel: 866 486-6866 option 1 (1-866-4-TomTom)

Emissions information for Canada

Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.

Operation is subject to the condition that this device does not cause harmful interference.

This Class B digital apparatus complies with Canadian ICES-003. CAN ICES-3(B)/NMB- 3(B).

Note: The Country Code Selection feature is disabled for products marketed in the US or Canada. Per FCC regulations, all Wi-Fi products marketed in the US must be fixed to US operation channels only.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

this device may not cause interference, and

this device must accept any interference, including interference that may cause undesired operation of the device.

IMPORTANT NOTE:

IC Radiation Exposure Statement for the CAMERA

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Regulatory Compliance Mark

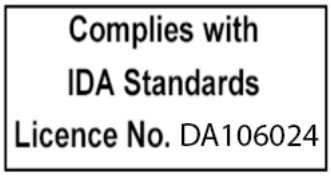
This product displays the Regulatory Compliance Mark (RCM) to show that it complies with relevant Australian regulations.

Notice for New Zealand

This product displays R-NZ to show it complies with relevant New Zealand regulations.

Notice for Singapore IDA

This product displays the Singapore IDA licence number to show that it complies with relevant Singapore regulations.



Customer support contact (Australia and New Zealand)

Australia: 1300 135 604

New Zealand: 0800 450 973

This document

Great care was taken in preparing this document. Constant product development may mean that some information is not entirely up to date. The information in this document is subject to change without notice.

TomTom shall not be liable for technical or editorial errors or omissions contained herein, nor for incidental or consequential damages resulting from the performance or use of this document. This document contains information protected by copyright. No part of this document may be photocopied or reproduced in any form without prior written consent from TomTom N.V.

Model names

Camera: 4LB00, Battery Stick: 4LB02, Remote Control: 4LBA2

Copyright notices

© 2013-2015 TomTom. All rights reserved. TomTom and the "two hands" logo are registered trademarks of TomTom N.V. or one of its subsidiaries. Please see tomtom.com/legal for limited warranty and end user licence agreements applying to this product.

© 2013-2015 TomTom. All rights reserved. This material is proprietary and the subject of copyright protection and/or database rights protection and/or other intellectual property rights owned by TomTom or its suppliers. The use of this material is subject to the terms of a licence agreement. Any unauthorised copying or disclosure of this material will lead to criminal and civil liabilities.

Please check the legal section of the camera for any Open Source attributions.