



saphe  
drive

## Welcome to Saphe and the traffic alarm Saphe Drive

Thank you for choosing Saphe Drive.

### About Saphe

Saphe A/S was founded in 2015 by Freddy Sørensen, a Danish entrepreneur, who holds a Master of Science in Engineering (MSE). The company currently has 18 employees. More than 500,000 units have been sold in Scandinavia since the product was launched on the market. The sheer number of Saphe units sold means that we are able to offer the largest network of users, and the best platform for sharing traffic data on the market.

Saphe A/S is a tech company based in North Jutland, Denmark, that develops, manufactures and sells intelligent traffic systems both in Denmark, and in Europe. Our aim is to increase traffic safety by helping motorists communicate better with each other through sharing traffic data. We develop tried and tested solutions that can make a difference and significantly reduce the number of traffic related accidents.

Our vision is to become the preferred community within the fields of traffic safety and mobility in Northern Europe.

### About Saphe Drive

Saphe Drive, which has an advanced screen, is a traffic alarm that helps increase traffic safety. The system is comprised of a device that is placed in the car, which connects to an app on your smart phone via Bluetooth, and, is thus able to warn you about traffic hazards, accidents, and speed control cameras ahead.

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## Identification

**Product name:** Saphe Drive

**Model No.:** 0002-00-001-001

**Manufacturer:**

Saphe A/S

Lyngvej 1

9000 Aalborg, Denmark

CVR Number: 36704586

www.saphe.dk

info@saphe.dk

## Technical specifications

### Specifications

Dimensions:	65 x 38 x 10 mm
Weight:	32 g
Screen:	1,54"
Temperature range (use):	0° - 50° Celsius
Temperature range (when charging battery):	0° - 45° Celsius
Temperature range (short-term storage):	-20° - 60° Celsius
Temperature range (long-term storage):	0° - 35° Celsius
Charge cycle:	Approx. 8 hours
Battery type:	Rechargeable Lithium-Ion
Charging plug:	Micro USB

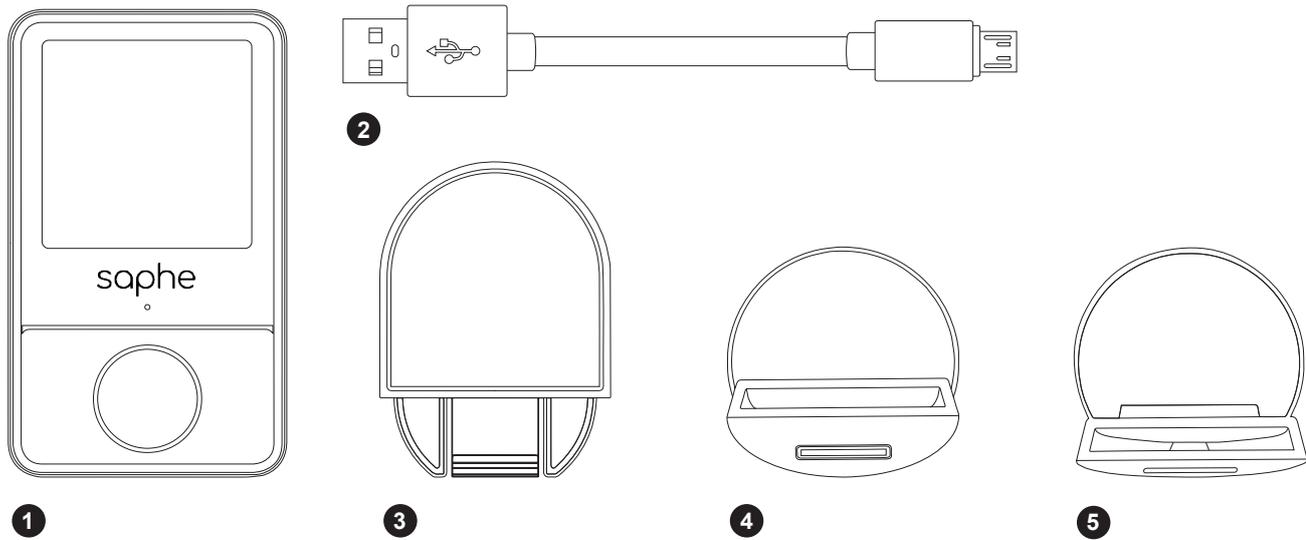
## Warning

### Important safety instructions

1. Read these instructions.
2. Respect all warnings.
3. Follow all instructions.
4. Do not use this product close to water.
5. Only clean the product with a dry cloth.
6. Install the device in accordance with the manufacturer's instructions.
7. Only use accessories that are approved by the manufacturer.
8. **WARNING:** Do not use the product if damaged.
9. **WARNING:** The battery (the battery, batteries or the battery pack) must not be subjected to excess heat from e.g. sunlight, fire or similar.
10. **WARNING:** In order to avoid the risk of fire or electric shock, the product must not be subjected to rain or moisture. Do not subject the product to drips or splashes from liquids.

## Package contents

The package contains six different parts:



1. Saphe Drive

3. Magnetic holder

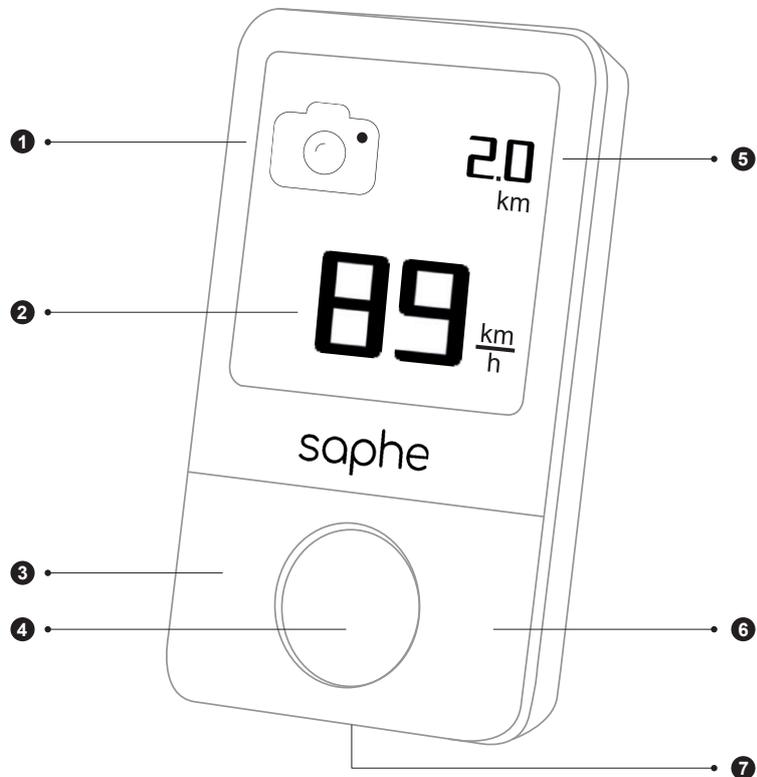
5. 80 degree base

2. Micro USB

4. 60 degree base

## Product description

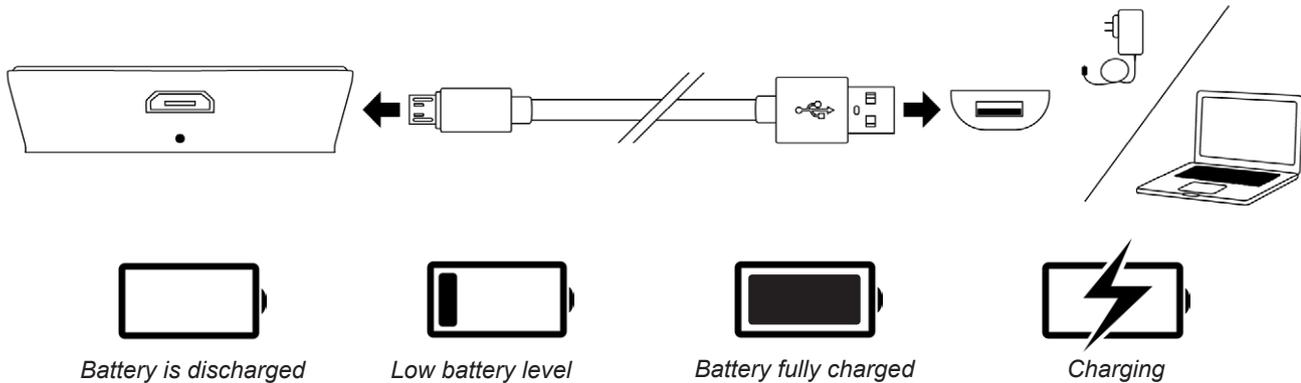
1. Alarm type.
2. Current speed.
3. Left button.  
(set-up speed camera)
4. Centre button.  
(select/confirm)
5. Distance to alarm.
6. Right button.  
(set-up unknown hazard)
7. USB plug.



## Before use

### Charging

Charge the Saphe Drive prior to first use. Use the enclosed Micro-B USB cable to charge the Saphe Drive. The cable can be connected both with a common USB charger or the USB port on a computer. Saphe Drive displays the battery status using a battery icon. The icons are shown below.



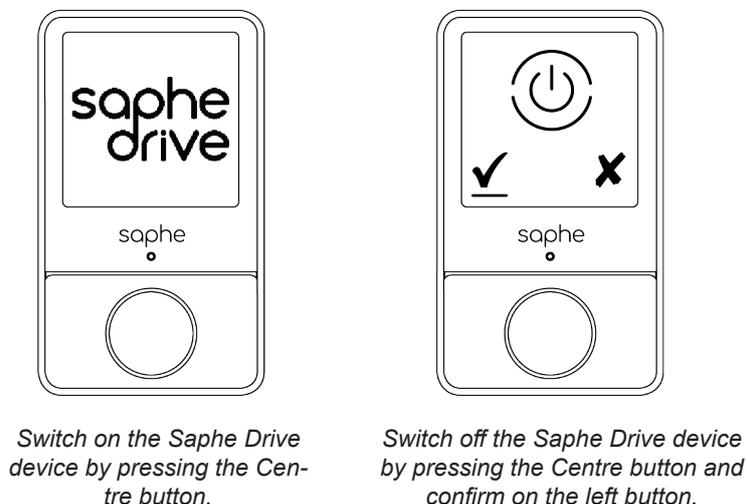
### Download the app

Saphe Drive receives data from your phone to be able to warn you about the different alarm types. You must download the “Saphe Link 2” app. Follow the instructions in the app for user set-up and settings.



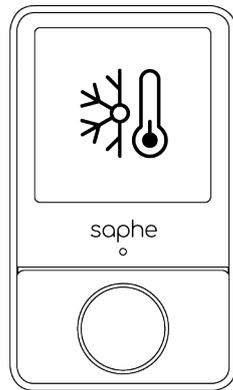
### On/Off

For everyday use, there is no need to switch the Saphe Drive device on and off. Saphe Drive has a highly optimised power consumption and automatically goes into rest mode when you are not out driving. To switch the Saphe Drive device on and off, press the centre button until the power off icon appears.

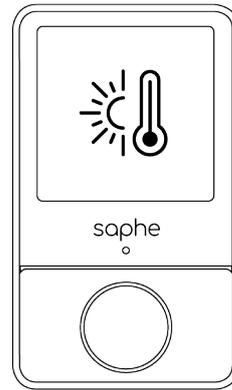


## Temperature effect

Saphe Drive becomes affected by low and high temperatures, and may display the icons below should these circumstances occur. The cold icon appears at temperatures around the freezing point and the hot icon appears when temperatures exceed 50 degrees Celsius. At these temperatures, Saphe Drive cannot display alarms, but you will still receive audible alarms.



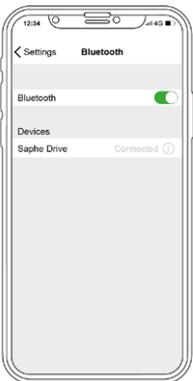
*The cold icon appears at <0 degrees Celsius.*



*The hot icon appears at +50 degrees Celsius.*

## Pairing your phone and Saphe Drive

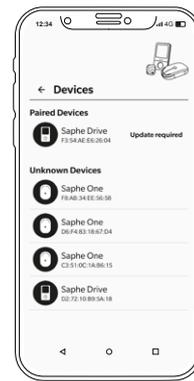
Before you can start using Saphe Drive in your vehicle, you must make sure to pair Saphe Drive with your phone. This must be done via the “Saphe Link 2” app and not via the Bluetooth menu on your phone. To start the pairing process you must do the following:



*Turn on Bluetooth on your phone.*



*Start the Saphe Link 2 app.*



*Open “Devices” in the menu and select the Saphe device you want to pair the phone with.*

## Pairing with several telephones

To pair the Saphe Drive with several phones, you must ensure Bluetooth is turned off on the other phones that have already been paired with the Saphe Drive device. This will facilitate the process, as Saphe Drive will not attempt to connect with the phones that it has already been paired with.

## Before driving

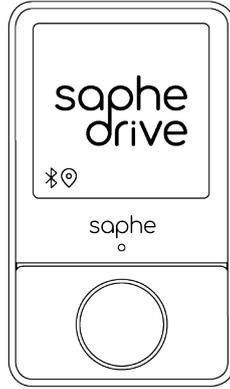
Before driving, you must ensure you understand the different signals that Saphe Drive notifies you about. This will allow you to make sure that Saphe Drive is connected correctly, and that you are ready to receive alarms in traffic.

When you get into the car, Saphe Drive starts searching for Bluetooth, then GPS and then a data connection will be established.

As Saphe Drive connects, the icons for Bluetooth, GPS and data connection will blink one by one, until they stop and the device has been connected. Once Saphe Drive has connected, it will make a sound, and you are now ready to start driving.



*Saphe Drive is searching for Bluetooth.*



*Saphe Drive is searching for GPS.*



*Saphe Drive is searching for data connection.*

If Saphe Drive cannot connect, this may be because either the Bluetooth, GPS or data connection have not been available. If this is the case, then you can read more about the error in the app.

### **GPS/Location services**

On an iPhone, it is important that the Location service for Saphe Link 2 is set to “Always”. This means that the app is always allowed to turn on the GPS, but it only does so while you are driving. If you choose “While using”, then Saphe Link 2 will only work if you turn on the app and keep the screen turned on during your drive.

### **Check GPS**

We recommend using Google Maps to see whether your GPS works. Both the location and the accuracy must be correct. The accuracy is viewed as a radius on the transparent circle that surrounds your location. The accuracy should be less than 50 metres, and preferably 10 - 20 metres.

## Get to know Saphe Drive

### Types of alarms

Saphe Drive has three general categories of alarm types, which are identified on the app using three colours: Red for Warnings, Blue for Cameras, and Yellow for Traffic Information. There are different types of alarms under each category and they all have their own unique icons. These are illustrated below.



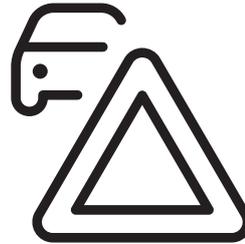
### Warnings



*Hazard\**



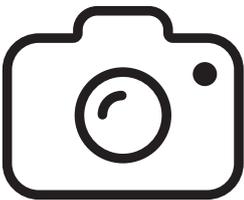
*Accident*



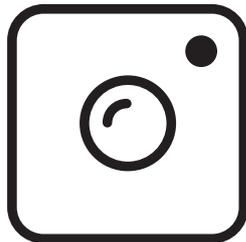
*Car on shoulder\**



### Cameras



*Mobile speed camera\**



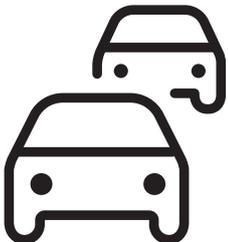
*Fixed speed camera*



*Red light camera*



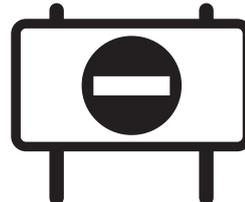
### Traffic Information



*Congestion\**



*Roadwork*

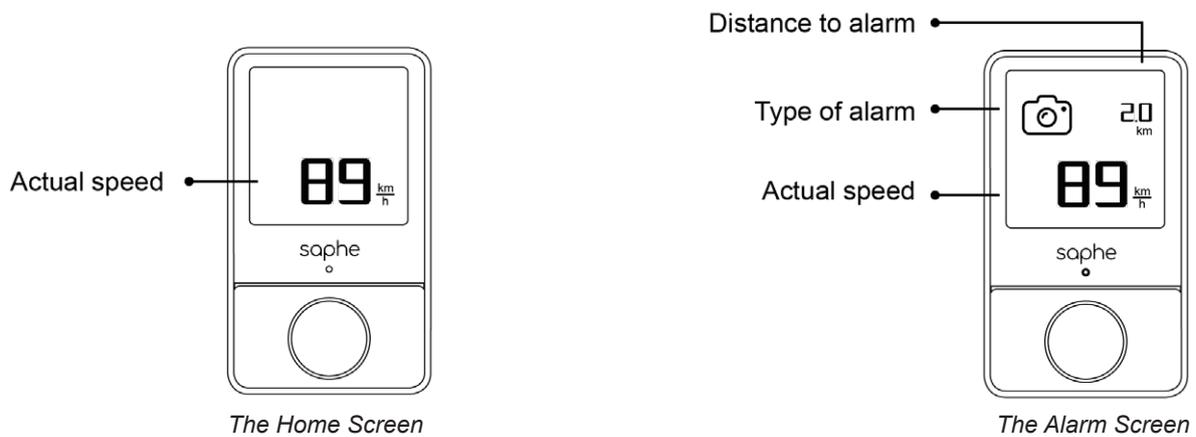


*Blocked road*

\*You can set up these types of alarms yourself. The rest of the alarm types are received from third parties.

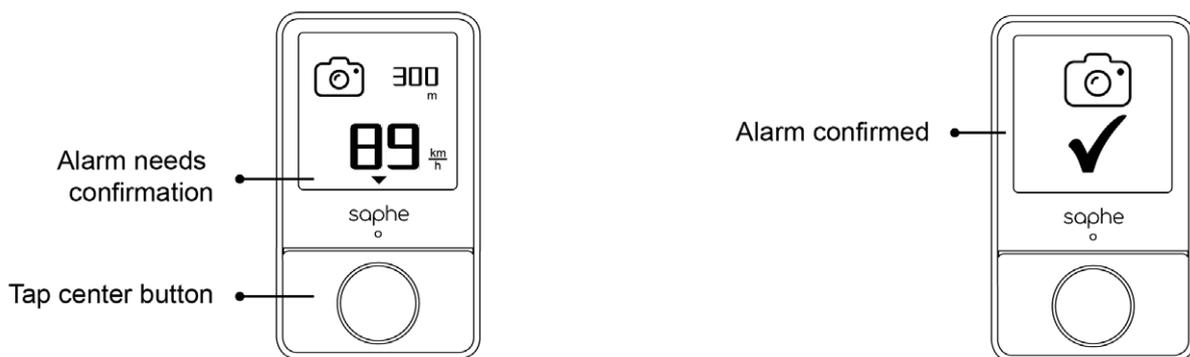
## Display

Saphe Drive has two main screens: the Home Screen and the Alarm Screen. The Home Screen is only displayed if there are no incidents nearby, and it works as an extra speedometer. If there is an alarm nearby, which has already been set up by other users or received from a third party, then the Alarm Screen will be displayed. This is where you receive information about the type of alarm you are approaching, and your current distance to the alarm. Your current speed will also still be shown.

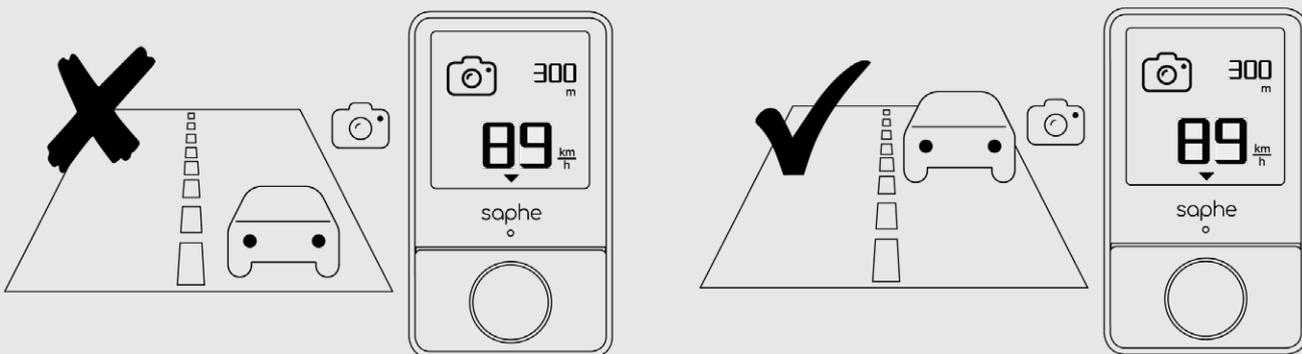


## Confirm Alarm

There are four alarms that can be confirmed. They are the same alarms you can set-up: Congestion, Speed Camera, Hazard and Car on shoulder. When an alarm is to be confirmed, an arrow will appear below your current speed, and you confirm the alarm by pressing the centre button. If the alarm is no longer relevant, then you do not need to take any further action. Saphe's control system ensures the alarm is deactivated if it hasn't been confirmed after a while.

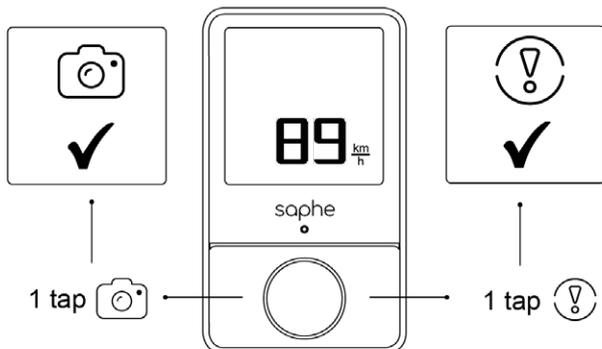


Note: You will be able to confirm the alarm approx. 300 metres before you reach it. However, we encourage you to first confirm the alarm when you are right next to the alarm in question. This will allow us to make the location of the alarm more accurate, so we can forward the exact location to other users.



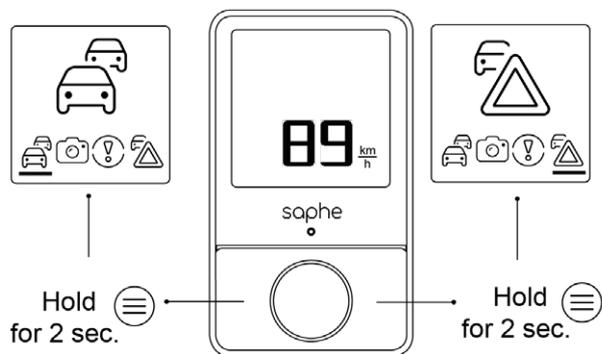
## Set up alarm

In case you experience an incident that has not yet been reported, you have the opportunity to set it up yourself. You can set up four different types of alarms: Congestion, Speed Camera, Hazard and Car on shoulder. You can use the side buttons as hot keys to set up either a Speed Camera alarm or Hazard alarm. Press the left side button one time to set up Speed Camera, or the right side button to set up a Hazard.

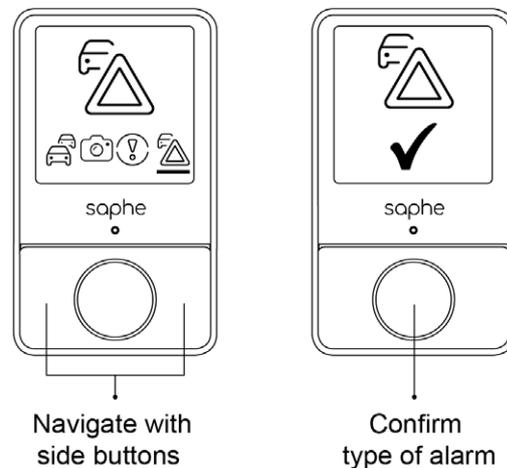


Simply press a side button to set up either a Speed Camera alarm or a Hazard alarm.

If you would like to set up a Congestion alarm or a Car on Shoulder alarm, then press one of the side buttons for a few seconds. If you press the left side button for a few seconds, then the Set-up menu will appear, and it will initially display Congestion. If you press the right side button for a few seconds, then the menu will display Car on shoulder. When you are in the Set-up menu, you can use the side buttons to navigate. Confirm your choice by pressing the centre button and the alarm is set up. The GPS coordinates for the alarm are calculated from the time you press the side buttons.

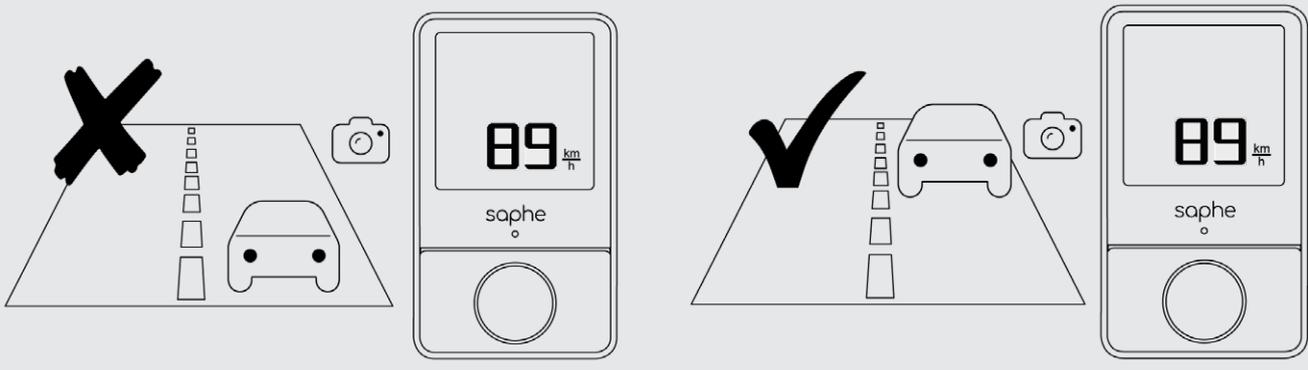


Press the side buttons for a few seconds to enter the Set-up menu.



Navigate by using the side buttons and confirm the alarm type by pressing the centre button.

Note: You should set up the incident when you are right next to the given alarm type. This will allow us to make the location more accurate, so we can forward the exact location to other users.



### Alarms when abroad

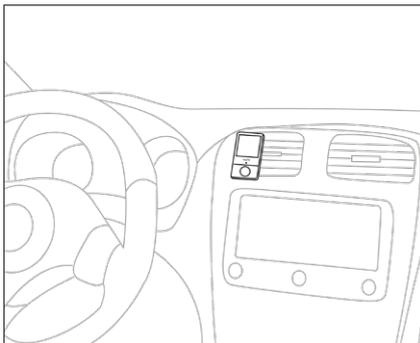
Saphe Drive also works abroad. At the end of 2018, Saphe's traffic community had more than 500,000 users reporting and sharing traffic information throughout Europe.

Saphe Drive allows you to receive alarms for all fixed speed cameras (automatic cameras in fixed locations) throughout the world, i.e. over 60,000. There are a few countries where providing warnings about speed cameras is illegal, these include: Turkey, Switzerland, Cypress and Macedonia.

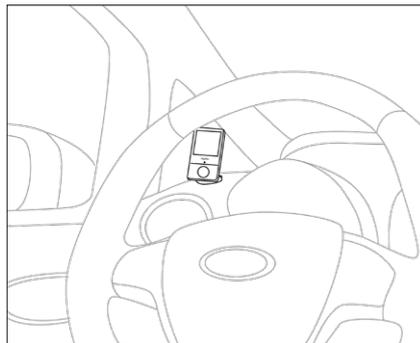
### Installation of Saphe Drive

Saphe Drive comes with a holder in two different angles. The device should be installed so it is always within your range of vision and your reach. The holder can either be mounted on the windscreen or on the instrument panel. Ensure that Saphe Drive is not covered by the sun visor.

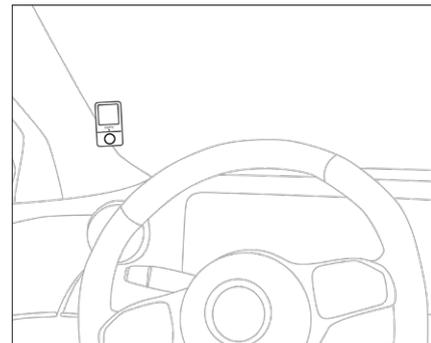
Should the accompanying holder not fit your car, then you can purchase any third-party magnetic mobile telephone holder. Saphe A/S accepts no liability for damage or problems that have occurred through the use of a third-party holder.



*Placement on the air vent grate.*



*Placement on the instrument panel.*



*Placement on the window.*

## Maintenance

### Battery

Saphe Drive contains a rechargeable battery, which is charged using a Micro B USB cable. The average motorist will be able to use Saphe Drive for approximately 3-6 months, before a recharge is required. A full battery charge takes approx. 8 hours, and we recommend that you bring Saphe Drive inside and charge it overnight. This will ensure the device is ready for use the following day.

### Firmware updates

During the course of its lifespan, Saphe Drive will need to have new firmware updates. In addition to improvements, updates will also contain new features that are released concurrently with the development of these features. When a new firmware update is available, Saphe Link 2 will notify you of this: Enter the app to start the updating process.

Note: Saphe Drive must have enough power to be able to run the update. The app will notify you if there isn't enough power to complete the update.

## Disclaimer

Saphe A/S disclaims itself from all liability in association with traffic safety and potential speeding tickets. Saphe A/S cannot be held liable if you receive a speeding ticket whilst using Saphe Link 2. For additional terms and conditions related to the purchase and use of Saphe Drive, please refer to the following:

Terms and Conditions: <https://saphe.dk/en/terms-and-conditions/>

Privacy Policy: <https://saphe.dk/privatpolitik-for-saphe/>

Terms of Trade: <https://saphe.dk/handelsbetingelser/>

## Certificates and Directives



### CE marking

Saphe A/S hereby declares that Saphe Drive conforms with Directive 2014/53/EU and the The Radio Equipment Directive 2014/53/EU (RED).

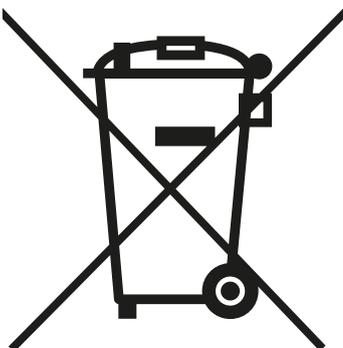
In accordance with paragraphs 10.8(a) and 10.8(b) of the above stated RED, the following contains information about the frequency ranges used and the maximum RF transmitter effect for the product when sold in the EU:

### Frequency range (MHz)

2.4 - 2.483 GHz

### Maximum transmission power (dBm)

≤10 dBm



### The Waste Electrical and Electronic Equipment Directive (WEEE Directive)

Electric and electronic equipment, spare parts and batteries, which are marked with this symbol, may not be disposed of together with normal household waste. It must be collected and disposed of separately to protect the environment.

If problems occur with your battery, or if you have questions concerning disposal of the product, then please write to. [support@saphe.com](mailto:support@saphe.com).