USER MANUAL

TARGET BLU EYE GO



TARGET BLU EYE GO

Know what's out there...

CE

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INTRODUCTION

Thank you for choosing Target Blu Eye GO.

With Target Blu Eye, you are always warned well in advance of approaching emergency services, including ambulances, fire brigades, police and unmarked surveillance vehicles. This applies even when they are travelling at high speed without lights and sirens.

Emergency services use TETRA radio systems. As soon as the radio in an emergency vehicle is switched on, it periodically transmits ultra short pulses to the antenna masts in the TETRA network. These pulses are detected by Target Blu Eye and converted into an alert, allowing you to make room for approaching emergency services in time and without stress whenever necessary.

As a result, Target Blu Eye makes an important contribution to your safety, the safety of emergency responders and the safety of your fellow road users.

SAFETY INSTRUCTIONS

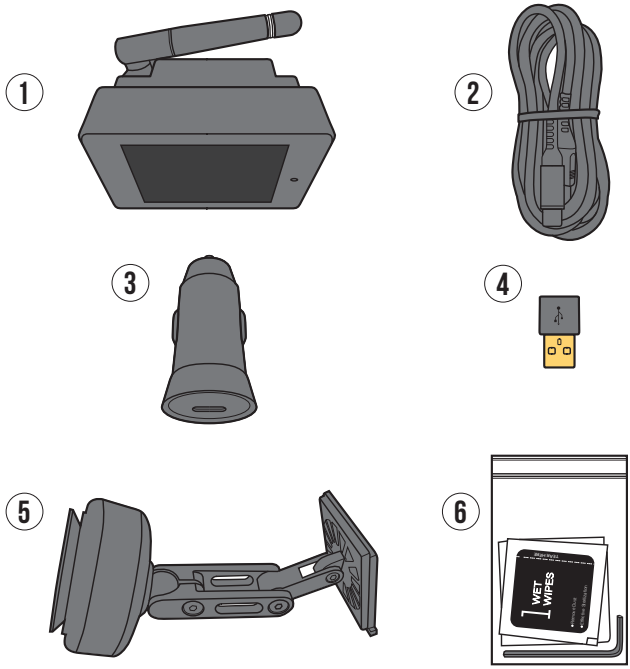
IMPORTANT WARNINGS

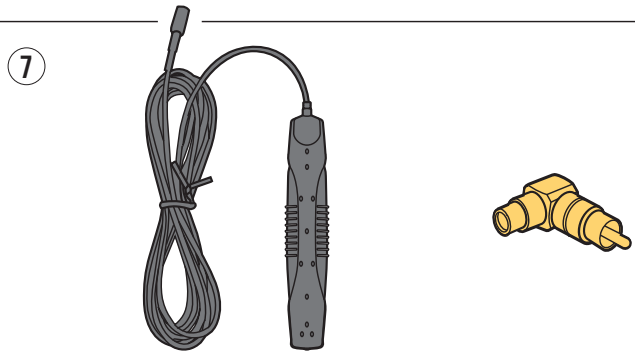
- Do not mount the system in any position that obstructs the driver's view.
- Mount the suction cup holder only on a clean, dry windshield.
- Operate the system as little as possible while driving.
- Do not route the charging cable or any external antenna cable along moving parts or airbags.
- The system must not be opened by the user. Doing so will void all warranty claims.
- Blu Eye GO is **NOT** suitable for use on motorcycles. This may damage the system and void all warranty claims.

ELECTRICAL SAFETY INFORMATION

- Use only the vehicle's built in USB port or the supplied power adapter.
- Use only the supplied USB C cable, which provides sufficient power for correct and safe operation of the system.
- Avoid exposure to extreme heat when the vehicle is parked. Do not leave Blu Eye GO hanging in the windshield mount or lying on the dashboard in direct sunlight.

IN THE PACKAGE





1. Blu Eye GO receiver
2. High power USB C cable
3. 12–24V USB C adapter
4. USB A to USB C adapter for computers without USB C
5. Suction cup mount with built in battery and vacuum pump
6. Cleaning wipes for windshield and suction cup plus hex key for adjusting the suction cup mount
7. Optional external antenna with right angle antenna connector for use with the external antenna

REGISTERING AND INSTALLING THE FIRMWARE ON WINDOWS AND MAC

Connect your Blu Eye GO to a computer using the supplied USB cable. If your computer does not have a USB C port, use the included USB C to USB A adapter. Your computer must be connected to the internet to install the firmware.

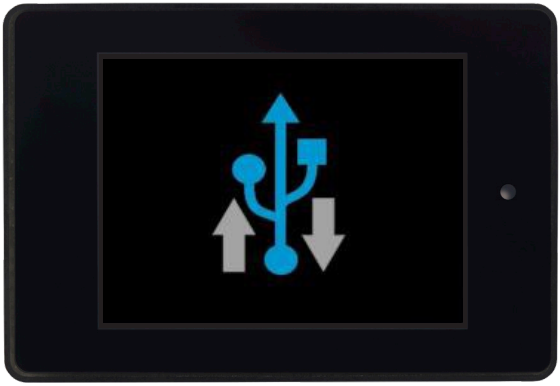
The following screen will appear.



Tap on the right side of the screen (highlighted in red in the image).



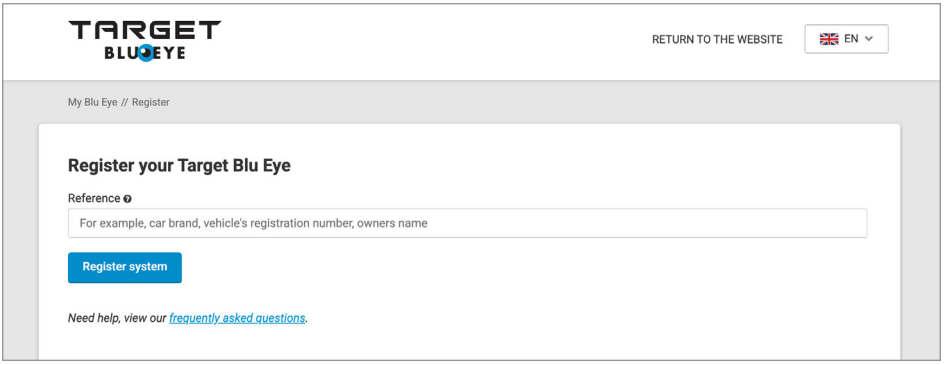
The following screen will appear.



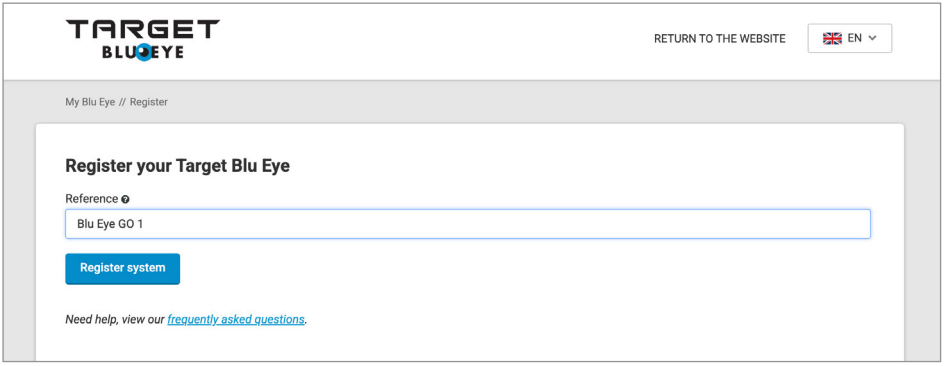
Blu Eye GO now behaves like a USB drive. In Explorer, your computer will display a drive named BLU_EYE_GO containing the files shown below.
Double click 'register'.

Name	Date modified	Type	Size
Devices		File folder	
Firmware		File folder	
register	23/11/2025 15:38	Chrome HTML Document	1 KB

The following screen will appear.

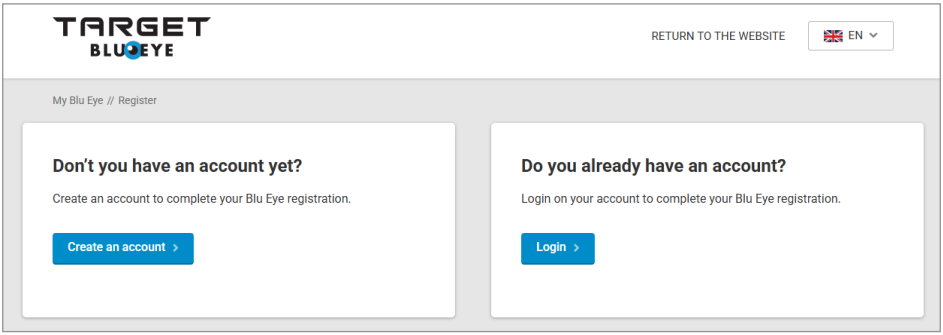


The black-circled question mark provides an explanation of what you can enter under **'Reference'**. This works the same way in other settings on the website. To display the pop up window, move your cursor over the question mark.



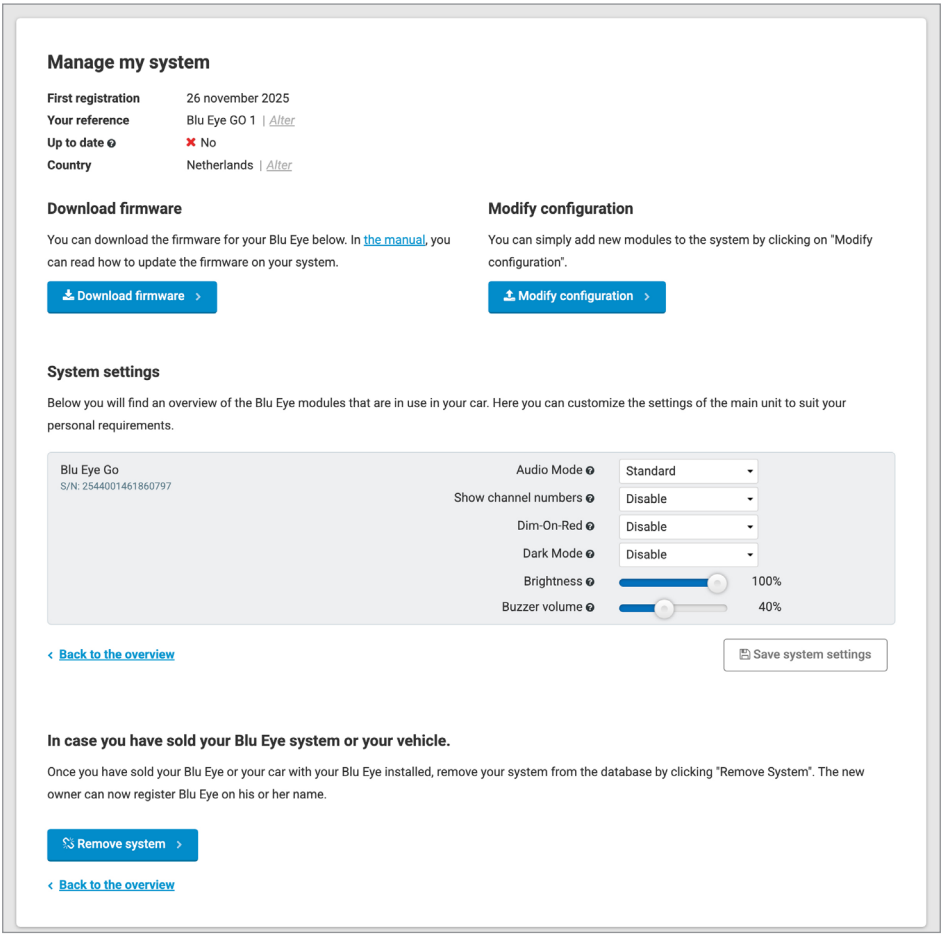
In the example below we give the system the reference 'Blu Eye GO 1'
Click 'Register system'.

The following screen will appear.

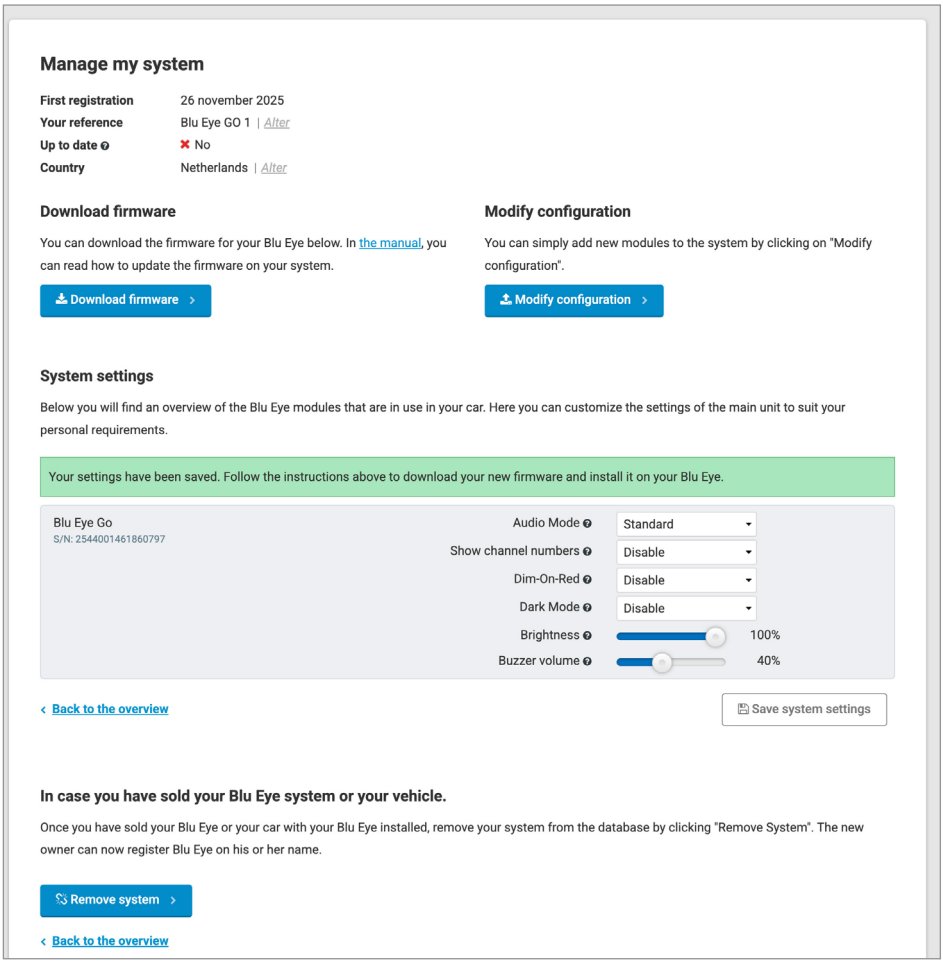


Click **'Create account'** if you do not yet have an account.
If you already have one, log in using your email address and password.

The management screen will appear. By hovering your cursor over the black-circled question marks next to each setting, you can view an explanation of that specific option. Have you selected your preferred settings?
Click 'Save system settings'.



The following screen will appear.
Click on 'Download firmware' at the top left of the page.

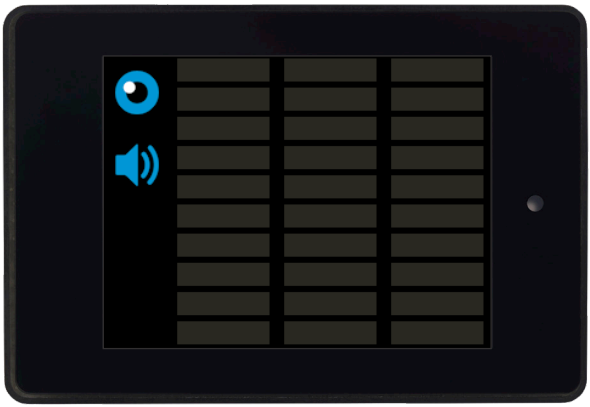


1. The file, in this example 'blu-eye-go-1.bin', is copied to the Downloads folder on your computer.
2. Copy the file and paste it into the Firmware folder of your Blu Eye GO.
3. The green arrow on the Blu Eye GO screen will light up. Wait until the green arrow turns off.
   Do not disconnect Blu Eye GO from the computer while the firmware is updating.
4. Tap the right side of the Blu Eye GO scree

The bootloader is activated and the firmware is installed.
When this process is completed successfully, the following screen will appear. The hardware, bootloader and application numbers shown here are examples and may differ from the information displayed on your own Blu Eye GO.

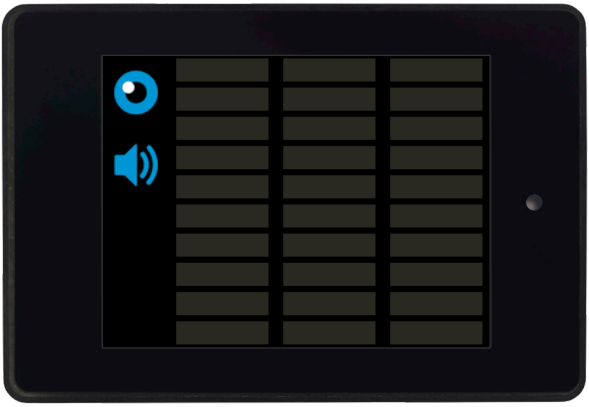


The start screen of your Blu Eye GO will appear. Your system is now ready for use!



DETECTION DISPLAY / SIGNAL STRENGTH METER

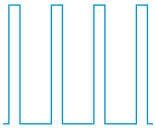
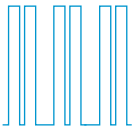
The display automatically starts in the detection view when the ignition is switched on.



VISUAL AND ACOUSTIC ALERTS FOR APPROACHING EMERGENCY VEHICLES

If an emergency vehicle is approaching, you will receive the following alerts:

- The bars on the signal strength meter light up from green to red. Green indicates a weak signal, meaning the emergency vehicle is still at a greater distance. Red indicates a strong signal, meaning the emergency vehicle is in your immediate vicinity. The signal strength meter can display up to three different emergency vehicles simultaneously, each with its own signal strength. In some cases, one vehicle may transmit two signals of equal strength. This can happen when two emergency personnel inside the same vehicle each carry their own TETRA radio.
- An acoustic warning tone will also be heard.

Communication type	Acoustic warning signal Target Blu Eye	Explanation
Periodic registration	Short, repetitive, typically at four second intervals 	Emergency vehicles register at fixed time intervals with the nearest C2000 mast, even when the mobile radio or handheld radio is not being used for communication. This periodic registration is detected by Target Blu Eye. You are warned by a short repeating signal, usually every four seconds.
Communication and data messages	Repeating interval with a double tone within one second 	When emergency services communicate with each other or with the control room, Target Blu Eye detects this. You will be alerted by a double tone within one second. This also applies when data messages are being transmitted from the emergency vehicle.

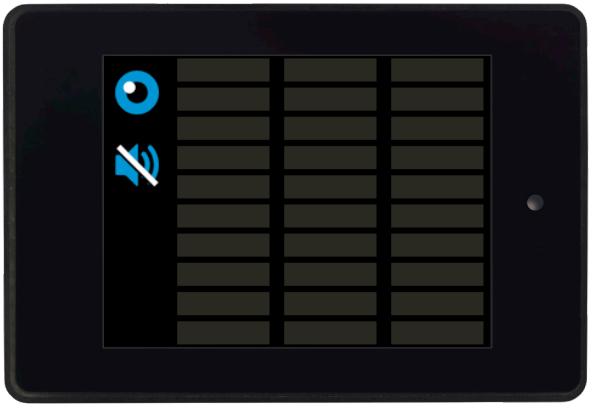
MUTE

This suppresses the acoustic alert.

TEMPORARY MUTE

Tap the screen once to activate **TEMPORARY MUTE**.
A short tone will sound, and a diagonal white line will appear across the speaker icon.

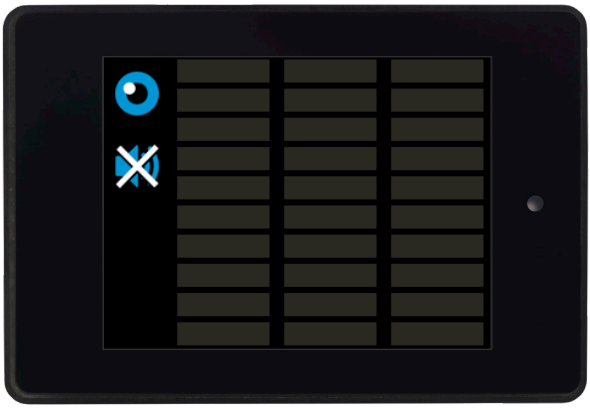
The **TEMPORARY MUTE** status remains active for 30 seconds after the last alert.
When a new alert occurs, the acoustic warning will automatically reactivate.



CONTINUOUS MUTE

Tap the screen twice to activate **CONTINUOUS MUTE**.
Two short tones will sound, and a white cross will appear across the speaker icon.

The CONTINUOUS MUTE status remains active for the entire drive. Tap the screen again or switch the ignition off and on to deactivate **CONTINUOUS MUT**E.



CITY MODE

In **CITY MODE** a threshold value is set for alerts. Signals up to and including this threshold are displayed visually only. This setting is recommended within built up areas, where many strong emergency service signals may be present.

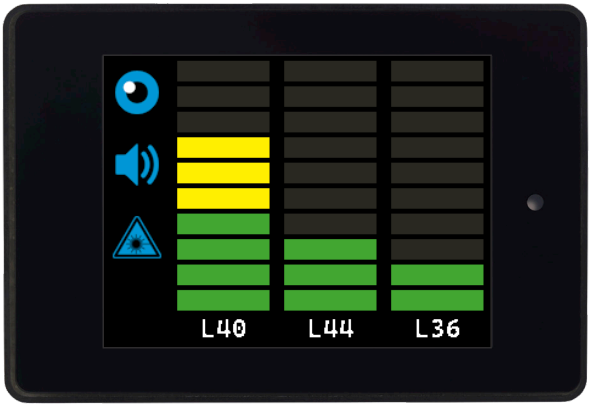
CITY MODE is set as follows:
Tap on the right side of the screen (highlighted in red in the image).



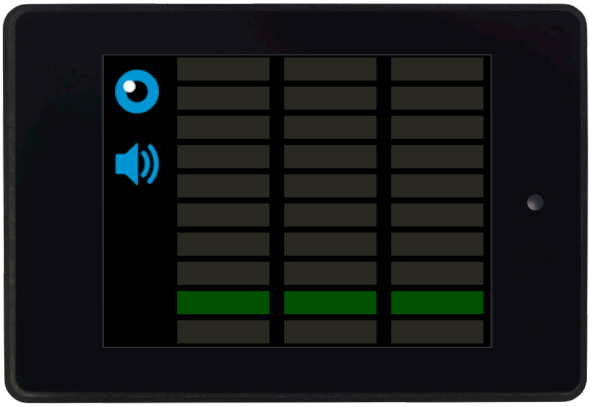
The following screen will appear.



Tap **CITY MODE:**
The **CITY MODE** setting appears.
In this example, **CITY MODE** is set to a threshold of two signal bars.



Tap twice on the right side of the screen: the display returns to the detection view.
The selected threshold value is shown.



VOLUME

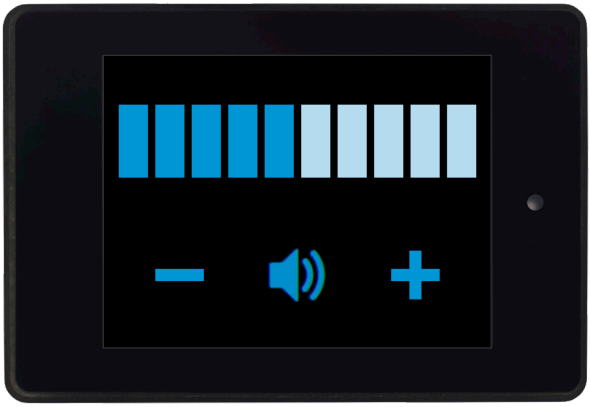
Tap the right side of the screen: the main settings screen will appear.
Tap **SETTINGS**.



The following screen will appear.



Tap **VOLUME**:
the volume can be adjusted in 10 steps. If you set the volume to '0', the speaker icon will turn grey.



AUDIO MODE

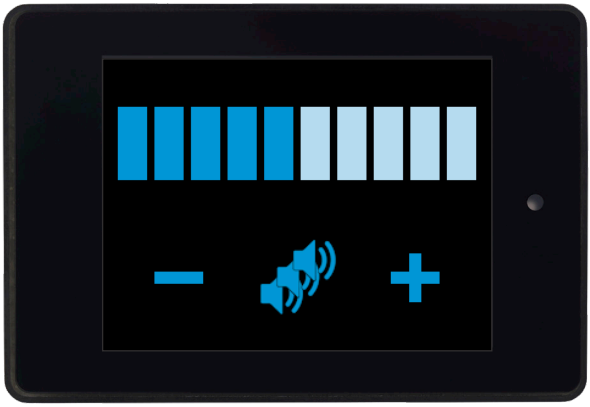
There are two acoustic alert options to choose from:

1. **Standard**
   regardless of the signal strength, a warning tone is heard once every four seconds when a detection occurs.

2. **Adaptive**
   Depending on the signal strength, a single, double or triple warning tone will be heard.
   - Green: single warning tone
   - Yellow: double warning tone
   - Red: triple warning tone

Tap the speaker icon briefly to select the desired audio mode.

- 1 speaker icon: standard mode
- 3 speaker icons: adaptive mode

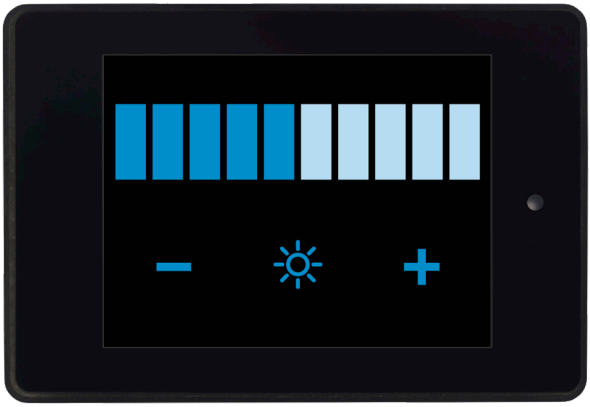


Tap the right side of the screen to return to the previous view.

BRIGHTNESS



The brightness can be adjusted in 10 steps.



Tap the right side of the screen to return to the previous view.

DARK MODE

When **DARK MODE** is selected, the LCD display turns off 15 seconds after the last alert.
As soon as a new alert comes in, the display automatically turns back on.
Tapping the screen once will also turn the display back on.



DARK MODE off:



DARK MODE on:



DIM-ON-RED



DIM-ON-RED automatically switches off the entire display when a very strong signal (red) is detected.When mounting the LCD display in a location visible to other traffic, this function is intended to avoid distracting the attention of drivers behind you.

Tap briefly on the **DIM-ON-RED** icon to switch this feature on or off.

DIM-ON-RED off:



DIM-ON-RED on:



ATTENTION!
When **TEMPORARY MUTE** or **CONTINUOUS MUTE** is selected and Dim on Red is active, an acoustic alert will still be given during **DIM-ON-RED** when the display switches off.
If you set the volume to '0', **DIM-ON-RED** cannot be activated.

CHANNEL NUMBER DISPLAY ON OR OFF

When **CHANNEL NUMBER DISPLAY** is enabled, each channel shows its channel number at the bottom.
A letter is shown in front of the number: L (low) indicates the low band and H (high) indicates the high band.

Tap the channel number display icon briefly to switch this function on or off.



CHANNEL NUMBER DISPLAY off:

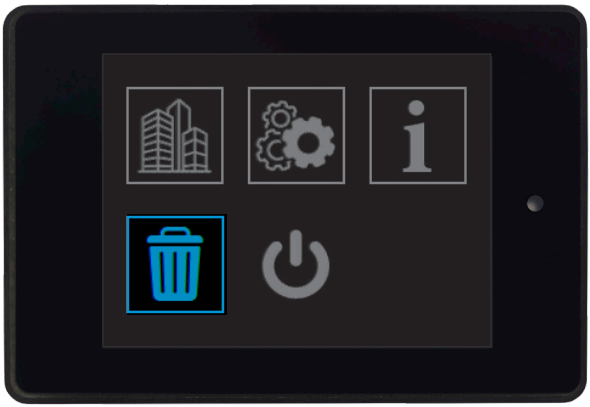


CHANNEL NUMBER DISPLAY on:

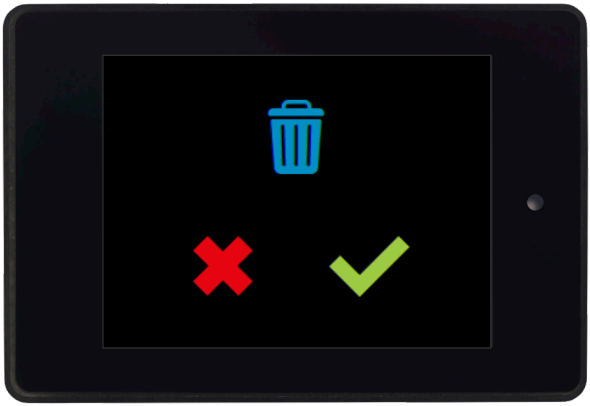


RESTORE FACTORY SETTINGS

Tap **DELETE**:



The screen below appears. Tap the red cross to cancel. Tap the green check mark to confirm.



- A multi tone signal will sound for five seconds.
- The bin icon will flash.
- The system has now been restored to factory settings.

INFORMATION ABOUT HARDWARE AND SOFTWARE

Tap **INFORMATION:**



All data about hardware and software versions will be displayed.



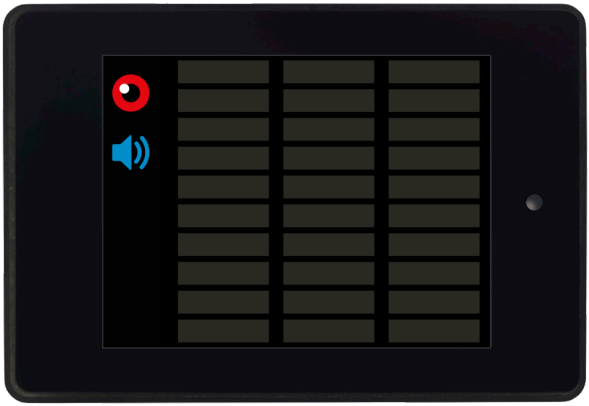
MEMORY FUNCTION FOR POWER ON AND OFF

Tap **OFF** to switch off the system. When the vehicle's ignition is switched on again, the system will remain off. You can switch it back on by tapping the screen once.



ERROR MESSAGES

Blu Eye performs a self diagnosis. If a malfunction occurs, a warning tone will sound and the Blu Eye logo will temporarily turn red.



Tap the Blu Eye logo. A QR code will then appear on the screen. Scan this code with your phone for information about the nature of the malfunction.



NOTIFICATIONS FOR EXTREME TEMPERATURE AND SUPPLY VOLTAGE

If the temperature of your Blu Eye GO falls outside the specified range of 0 to 70 degrees, the system will temporarily stop functioning.
Low temperatures may occur when the device is left in the car during winter conditions below freezing.
High temperatures may occur when the device is left in direct sunlight behind the windshield of a parked car.

Blu Eye GO is designed so that once the system is switched on, the temperature returns to a normal level within a short time.

If the temperature is too low, you will see the image below for a short time.



If the temperature is too high, you will see the image below for a short time.



The warning screens disappear once the normal temperature has been reached.

If the supply voltage of your Blu Eye GO falls outside specification (too high or too low), the system will not be operational.

If the supply voltage is too low, you will see the image below.



If the supply voltage is too high, you will see the image below.

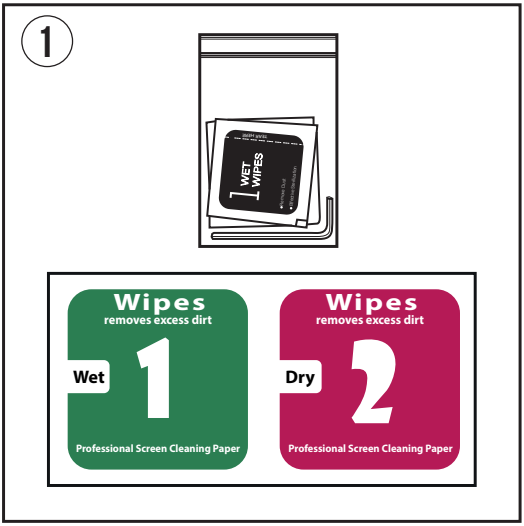


A low supply voltage almost always indicates a poor-quality USB cable. Always use the supplied USB cable or a USB cable that supports higher power (Power Delivery).

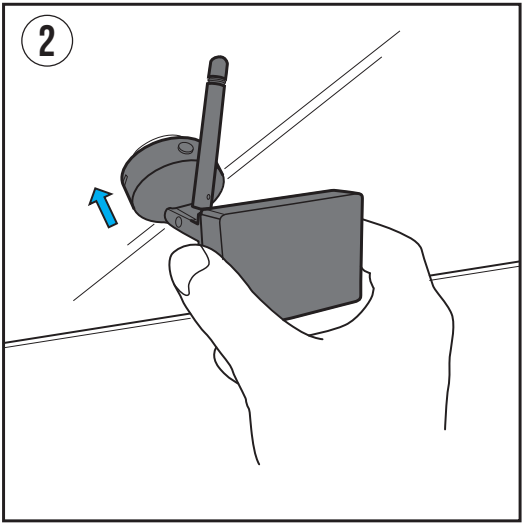
A high supply voltage may indicate a fault in the USB port or in your 12V adapter.

PLACEMENT OF THE SUCTION CUP MOUNT ON THE WINDSHIELD

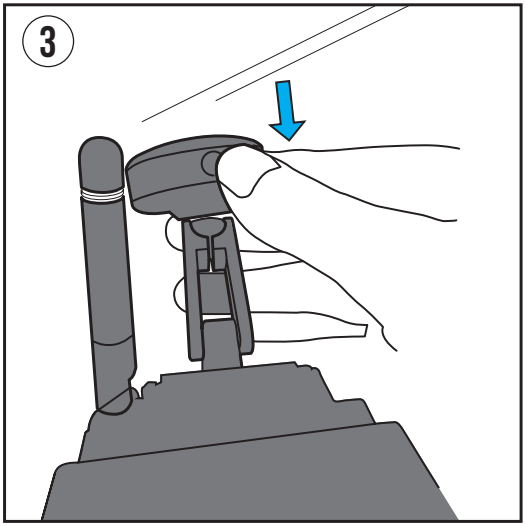
1. Clean the windshield at the spot where you want to place the suction cup mount using wipe 1. You may also use alcohol or a glass cleaner such as Glassex. Dry this spot with wipe 2.



2. Press the suction cup flat against the windshield. This activates the built in vacuum pump, which will secure the suction cup automatically.



3. Press the black button on the base of the suction cup mount to release it from the windshield.



MAINTENANCE

1. Keep the suction cup clean. Remove dust and dirt regularly with a damp, lint-free cloth.
2. Charge the battery of the suction mount every two to three weeks using the supplied charger and USB C cable.

MOUNTING THE EXTERNAL ANTENNA

The external antenna can be used in the following cases:

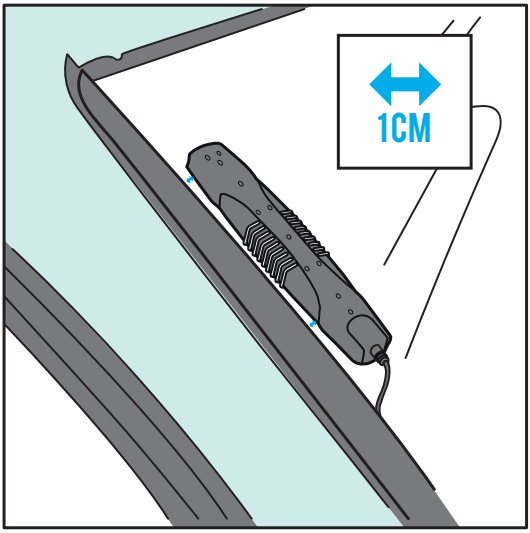
- When you do not mount your Blu Eye GO behind the windshield but for example inside the centre console of your car. In that case, the flex antenna of your Blu Eye GO does not have a clear line of sight to the outside.
- When your car is equipped with heat reflective windshield film and or when your car has a heated windshield.

ATTENTION!

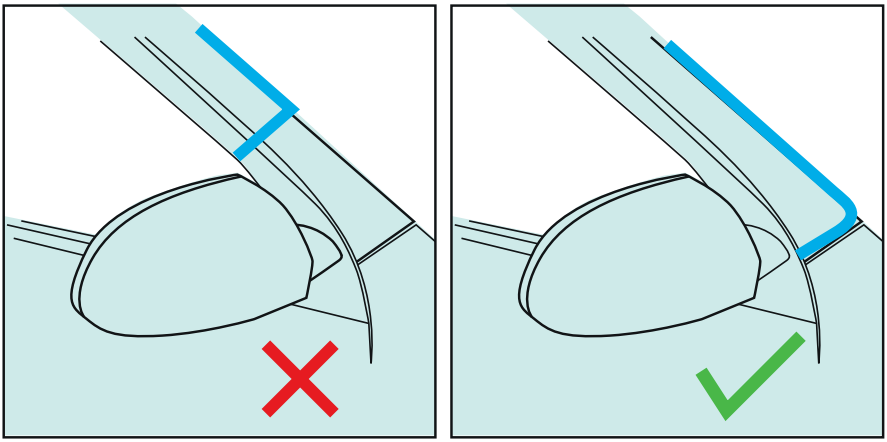
If your car is equipped with sun protection film and or with a heated windshield, mount the antenna on the outside of the windshield.

For the best performance, mount the antenna as high on the windshield as possible.

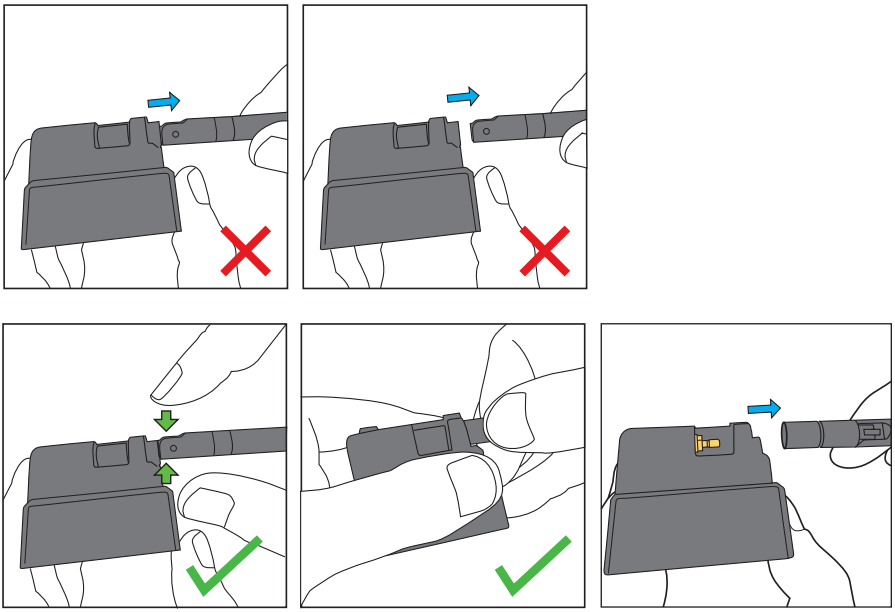
1. Clean the windshield at the location where you want to mount the antenna using alcohol or a glass cleaner such as Glassex. Remove the protective film from the tape on the back of the antenna. Mount the antenna at least 1 cm away from the A pillar.



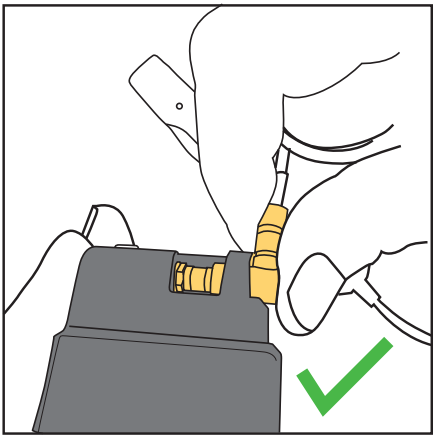
2. Run the antenna cable through the door seal into the interior of the car. Do not route it through the window seal. Opening and closing the window can damage the antenna cable.

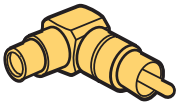


3. Remove the flex antenna from your Blu Eye GO by firmly grasping it between your thumb and index finger just below the pivot point and pulling straight up with some force. Never pull on the antenna itself. This can damage it. Keep the antenna and the loosened ferrule in a safe place.



4. Click the right angle antenna connector into the antenna connector of your Blu Eye GO. Some force is required for this. The semicircular edge of the connector must click into the recess on the inside of the bracket.
   NOTE: The ferrule cannot be used with the right-angled antenna connector.
5. Connect the external antenna's connector to the right angle antenna connector.





IMPORTANT INFORMATION

Antenna connections such as SMA and the SMB type used in the Blu Eye GO have a so called 'mating cycle' of 500 to 1000. This means that after being connected and disconnected this many times, the connector begins to lose reliability. In that case, the right angle connector must be replaced. The connector on your Blu Eye GO is not subject to wear due to this design.

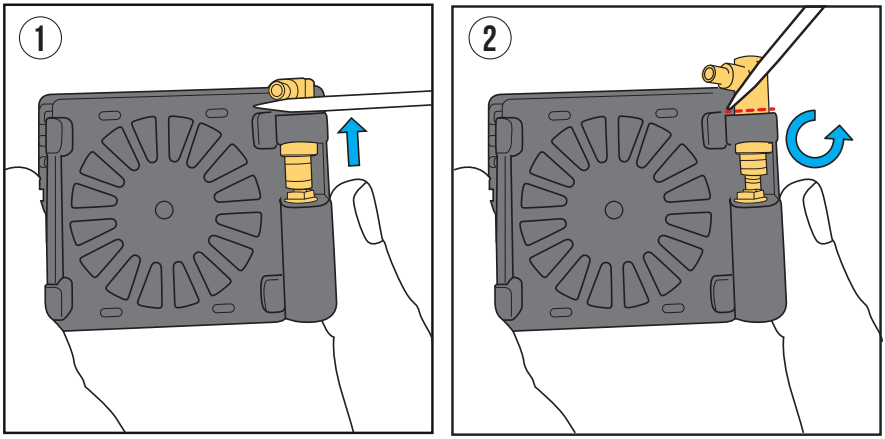
If you use your Blu Eye GO exclusively with the factory mounted flex antenna, the antenna connector on your Blu Eye GO is also not subject to wear.

REMOVING THE RIGHT ANGLE ANTENNA CONNECTOR

If it becomes necessary to remove the right angle antenna connector, proceed as follows:

Use a small flat head screwdriver.

1. Support the flat head of the screwdriver on the guide track of the clip directly next to the antenna bracket. Make sure the screwdriver is positioned firmly against the vertical part of the antenna connector.
2. Carefully lever the antenna connector upward until the semicircular edge of the connector (indicated in red in image 2) releases from the antenna bracket.



TECHNICAL SPECIFICATIONS

- Power supply: 5V via USB
- Power consumption: maximum 1.5 A
- Frequency range: 380 to 430 MHz
- Temperature range: 0°C to +70°C
- Receiver dimensions: 75.5 × 51.5 × 46 mm (L x W x D)
- Receiver weight including flex antenna: 127 grams
- TETRA detection using waveform recognition, no decoding

WARRANTY AND SERVICE

WARRANTY PERIOD

Blu Eye GO comes with a warranty period of 24 months from the date of first registration.
The warranty covers manufacturing defects and faults that occur during normal use as described in this manual.

WHAT IS COVERED BY THE WARRANTY?

- Defects caused by material or manufacturing faults
- Malfunctions that are not the result of improper use
- Repair or replacement of parts at no additional cost

WHAT IS NOT COVERED BY THE WARRANTY?

- Damage caused by incorrect use, impact or drop damage
- Damage caused by moisture, overheating or incorrect installation in the vehicle
- Normal wear and tear
- Modifications or repairs carried out by non authorised service centres

SERVICE AND SUPPORT

- First check the manual for troubleshooting tips.
- Contact our customer service for assistance or advice at info@tracktechnologies.nl
- If a repair is required, you will receive instructions on how to send in the product.
- Make sure to include proof of purchase.

REPAIR OR REPLACEMENT

If a defect is covered under the warranty, the product will be repaired or replaced free of charge.
If repair or replacement is not possible, an equivalent alternative will be offered.

SAFETY AND USE

Use the product only as described in the manual. Improper use may cause damage to the device or your vehicle and may void the warranty.

DECLARATION OF CONFORMITY / CE

We,

Track Technologies B.V.

Zuidergracht 19

3763 LS Soest, The Netherlands

declare under our sole responsibility that the product:

Target BluEye-Go

to which this declaration relates, is in conformity with the essential requirements and other relevant requirements of the EU Directive 2014/53/EU and the following standards:

EN 301 489-1 V2.2.3 (2019-11)

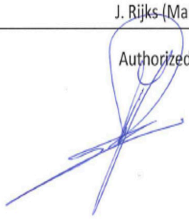
EN 301 489-3 V2.3.2 (2023-01)

EN 300 220-1 V3.1.1 (2017-02)

EN 300 220-2 V3.3.1 (2025-03)

EN 62368-1:2024

Soest, November 01, 2025	J. Rijks (Managing Director)
Place and date	Authorized signature



TRACK
TECHNOLOGIES

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