



USER & INSTALLATION MANUAL TARGET BLU EYE



An eye for safety.

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USER AND INSTALLATION MANUAL TARGET BLU EYE

Congratulations! With the purchase of this Target Blu Eye system you have become the owner of a very sophisticated traffic safety system that is patented worldwide and manufactured in The Netherlands. To ensure maximum benefit from your new Target Blu Eye, please read all operating instructions completely. We believe our system will increase your comfort of driving and we wish you many safe years using your Target Blu Eye on the road.

Target Automotive B.V.

IN THE BOX

- Central unit
- Control display
- Antenna and 2m. antenna cable
- Cable between central unit and control display
- Power cable (+15V.) including fuse
- SD card
- Quick Start Manual

FUNCTIONS TARGET BLU EYE

The operation of the Target Blu Eye system is very user-friendly. If an emergency vehicle is nearby, Target Blu Eye is able to recognize such a vehicle in time, thanks to the very advanced electronics. You will be warned in advance with an acoustic and visual alert. The signal strength meter on the control display allows you to see at first glance whether an emergency vehicle is approaching you or moving away from you.



ON/OFF-MUTE-VOLUME-BUTTON 1

- System on/off manually: press and hold the button for at least 2 seconds
- Mute on/off: press the button shortly
- Set volume: press buttons 1 and 2 simultaneously

ON/OFF

The system is powered by the ignition key switch of the car. Press button 1 for at least 2 seconds in order to switch on/off the display manually.

MUTE

Press button 1 shortly to activate the Mute function: the left green led is flashing. The Mute function remains activated during 12 seconds after the last alert indication. In case of a new alert indication you will be warned automatically by the acoustic signal. To deactivate the Mute Status press button 1 again shortly.

VOLUME

Press and hold the buttons 1 and 2 simultaneously for the desired volume level and release both buttons. If the volume has reached the maximum or minimum level, please release both buttons shortly. Press and hold both buttons again in order to increase or decrease the volume level.

MODE-DIM BUTTON 2

- Select sensitivity mode: press button shortly
- Set brightness display: hold the button

MODE

Press button 2 shortly in order to select the sensitivity mode. The Highway mode is selected if the red led lits hsortly and the City mode is selected if the first three leds lit continuously.

1. City mode 3

This mode offers a lower level of sensitivity than the Highway mode and is recommended for use in urban areas.

2. Highway mode 4

This mode offers the highest level of sensitivity and is recommended for use in rural areas.

DIM

Press and hold button 2 for the desired brightness level and release the button. If the brightness has reached the maximum or minimum level , please release the button shortly. Press and hold the button again in order to increase or decrease the brightness level.

VISIBLE WARNINGS BY LEDS 3

Besides an acoustic alert, Target Blu Eye also warns you by the leds on the signal strenght bar on the control display. If an emergency vehicle is approaching, the leds will run up from green to fi nally red. Green represents the longest distance to the emergency services vehicle and red the shortest distance.



AUDIBLE WARNINGS 4

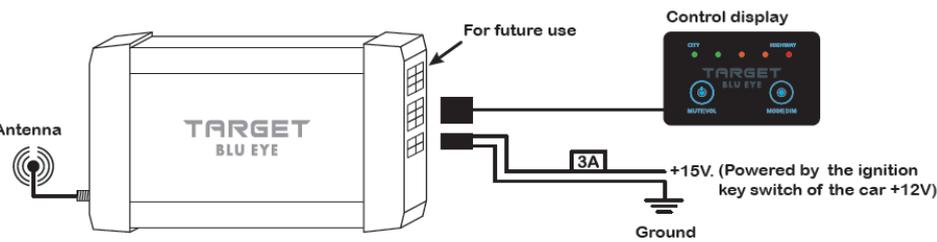
Target Blu Eye will generate two different audible warnings depending of the type communication that is used at a specific moment:

Type of communication	Acoustic alert Target Blu Eye	Explanation
Periodic log-on	Short, repeating signal, mostly 4 seconds interval. 	Emergency services vehicles log-on periodically to the nearest TETRA base station. Even if the TETRA equipment is not used for communication. Target Blu Eye recognizes such log-ons, you will be warned by a short, repeating beep (mostly 4 seconds).
Communication (speech) and data transfers	Repeating double tone within' one second. 	If emergency vehicles communicate with each other or with the emergency room you will be warned by a repeating double tone within' one second. You will also be warned in case of data transfers between emergency vehicles or between an emergency vehicle and the emergency room.

IMPORTANT INFORMATION

The periodical Tetra radio signals can only be received if the particular radio is switched off or in DMO mode (Direct Mode Operation). In DMO, communication signals between emergency services and communication with the emergency room (speech) is always detected. The detection range of Target Blu Eye varies from hundreds of meters 'till approximately one kilometer. The range depends on the selected sensitivity mode and the environmental area.

INSTALLATION INSTRUCTIONS



ANTENNA

The supplied antenna can be mounted both outside the car (on the roof) and inside the car on a metal or plastic substrate. Be aware that the reception sensitivity will decrease while mounting the antenna inside the car. If the car is equipped with a heated windshield, insulating glass (with or without solar foil) it is recommended to mount the antenna outside the car. The antenna can be painted in the color of the car's bodywork. Clean and degrease the location where the antenna will be placed with the supplied alcohol pad.

TIP: Mount the supplied antenna upside down behind the rear view mirror. Despite a slightly decrease of sensitivity this position of the antenna will hardly affect the performance of your Blu Eye. Moreover, in this way the antenna can be mounted out of sight.

Mounting the antenna on the back side of the roof

Mount the antenna as near as possible to the rear window in such a way that the cable can be directed from the window rubber to the boot. Direct the antenna cable form underneath the boot rubber to the inside of the car. File a small part of the raised metal border where the rubber is mounted in order to avoid pinching off the cable after replacing the rubber. Please file a small part of the raised metal border in order to avoid leakage. Secure the antenna cable on several locations, f.e. by using 3M Strip-Calk. It can be removed easily afterwards.

For estate cars the antenna can be mounted on the roof/back cover spoiler. Make sure that the length of the antenna cable is sufficient to open the back cover completely. If you don't want or if you are not able to use the supplied antenna be informed that alternative antenna's are available, like dipole antenna's (for mounting inside the car on the rear or front window) and so-called combi-antenna's with FM radio, GPS and TETRA reception. For more information about such antenna's please contact Target Automotive. We are happy to advise you.

CAR-WASH

After the antenna has been mounted on the roof of the car you have to wait at least 24 hours before using a car-wash station. Please use a washing program that includes "Avoiding obstacles" to ensure that the antenna won't be damaged. Ask your local carwash station for more information.

CENTRAL UNIT

Mount the central unit in the boot if the antenna is mounted on the back of the car. The unit can be mounted behind the boot's cladding. Be aware that the SD card slot must be accessible in order to run possible firmware updates. If the antenna unit is mounted at the front of the car (only inside), please make sure that the central unit must be mounted nearby, f.e. underneath the dashboard.

IMPORTANT

If you mount the central unit in the boot of the car or behind the dashboard, please choose a location where no car computers or fuse boxes are located. Please do not direct the antenna cable nearby the cable trees of the car.

DISPLAY

The display must be mounted at the front of the car, f.e. on the dashboard. Thanks to its slight depth the display can be mounted even horizontally on the dashboard in such a way that the leds are reflecting in the windshield and are visible for the driver. There are three cable slot options at the bottom of the display where the cable can be directed (depending on the mounting position). If you choose the lower side slot, please use the untight shrink sleeve in order to keep the wires at the inner side of the isolation out of sight. If the shrink sleeve is not necessary, because one of the side slots is being used, please move the shrink sleeve backwards until it is invisible. After directing the cable in the desired slot the duplex tape can be placed at the bottom of the display and the display can be mounted on the selected location. The 5m. cable between the central unit and the display is a special protected cable. It is not allowed to shorten or to extend the cable in order to avoid possible failures.

REGISTRATION OF YOUR TARGET BLU EYE

After the installation of the Target Blu Eye has been finished and the system is connected, you have to register your Target Blu Eye on our website www.blu-eye.eu. After finishing the registration process and downloading and installing the software your Target Blu Eye is ready for use. For registration please follow the next steps:

1. Switch off the ignition of your car and your Target Blu Eye switch off automatically.
2. Insert the SD card into the SD card slot of your Target Blu Eye.
3. Switch on the ignition of your car.
4. The ID of your Target Blu Eye will be copied to the SD card. All leds will lit for five seconds. This step is completed if the leds on the signal strength meter stop lighting and only the two blue leds are lighting.
5. Switch off the ignition of your car.
6. Remove the SD card from your Target Blu Eye.
7. Insert the SD card into the SD card slot of your PC or Mac.
8. Go to www.blu-eye.eu and click on "Register" and follow the instructions in order to register your Blu Eye and to download the files to your SD card. and .
9. After finishing the registration process you remove the SD card from your PC.
10. Switch off the ignition of your car and your Target Blu Eye switch off automatically.
11. Insert the SD card again into the SD card slot of your Target Blu Eye.
12. Switch on the ignition of your car. **IMPORTANT:** Never disrupt the voltage to your Target Blu Eye during the update process!
13. All leds will lit for five seconds. After five seconds the leds on the signal strength meter will stop lighting. The first update process takes about 30 seconds until the data files have been copied. During this process the leds will lit from left to right and otherwise. At the end of this process the three leds at the right will lit, followed by the two leds on the left side. When all leds stop lighting, the process is finished. Please wait at least 15 seconds before switching off the system and removing the SD card.

TECHNICAL SPECIFICATIONS

- Power supply: 10 – 30V.
- Power consumption while display is switched on: 300mA (350mA max.)
- Power consumption while display is switched off: 275mA
- Fuse: 3A
- Frequency range: 380-400 Mhz
- TETRA detection by Waveform recognition, no decoding
- Temperature range: -20°C - +70°C
- Dimensions central unit: 160 x 82 x 27mm. (lxwxh)
- Dimensions display: 64 x 40 x 7,5mm. (lxwxh)
- Dimensions antenna: 72 mm. (H); diameter base: 35 mm.; diameter antenna: 15 mm.

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