INSTALLATION MANUAL | TARGET BLU EYE 2

TARGET
BLUEYE 2

CE

Know what's out there...

CONTENTS

IN THE BOX

- Target Blu Eye 2 receiver
- LED display for mounting in the rear view mirror (including 2 micro switches and connection cable)
  or
- LCD display
- VCD dipole antenna for invisible mounting behind front or rear bumper
- Connection cable between receiver and display
- Power cable with fuse
- USB drive
- Quick start instructions

INSTALLATION SEQUENCE WITH LED DISPLAY

1. Check the suitability of the mirror glass for the led display:

- After dismantling the rear view mirror, always first check whether the mirror glass allows enough light from the LED display to pass through.
- Connect the display cable to the connector of the display marked 'bus'. Connect the other side of the display cable to the 'display' connector of the receiver.
- Connect the power cable to the receiver's 'power' connector and connect it to a 12V power supply.
- Hold the display against the mirror glass and judge whether the LEDs are clearly visible through the mirror glass during the display start-up.

2. Mounting LED display in the rear view mirror. See illustration 1:

- Press the LED display against the inside of the mirror glass at the desired location and apply quick-drying 2-component adhesive to the 4 corners of the display.

3. Connecting and placing microswitches and display cable. See illustration 1:

- Connect the red and black wires to a microswitch using a solder joint. Use tape or shrink tubing to insulate this connection. **This is button 1**.
- Connect the green and white wire by means of a solder joint to a microswitch. Use tape or heat-shrink tubing to nsulate this connection. **This is button 2.**
- Connect the connector with the microswitches to the connector of the display marked 'switch'.
- Drill 2 holes of 3.5mm diameter in the underside of the mirror housing. Mount the buttons a maximum of 5 centimetres apart. They can then still be operated simultaneously with the fingers of one hand.
- Mount button 1 on the left and button 2 on the right seen from the driver's position.
- Place the button in the drilled hole and then apply a quick-drying 2-component adhesive to the top.
- Feed the display cable through the mirror bracket and connect it to the display connector marked 'bus'. Connect the other side of the display cable to the receiver's 'display' connector.
- Connect the receiver to the car's power supply voltage switched via the ignition switch (+15).

INSTALL THE FIRMWARE

- Insert the USB drive into the USB connector of the receiver.
- Switch on the car's ignition; **all LEDs of the display light up.**
- When the LEDs are off and the status LED lights alternately white/red; **switch off the car's ignition and remove the USB drive. A 'device list' has been copied to the USB drive.**
- Go to the website https://www.blu-eye.eu/en/my-blueye/ and click 'Register New Blu Eye'. Here you will find the instructions required to install the Blu Eye firmware.

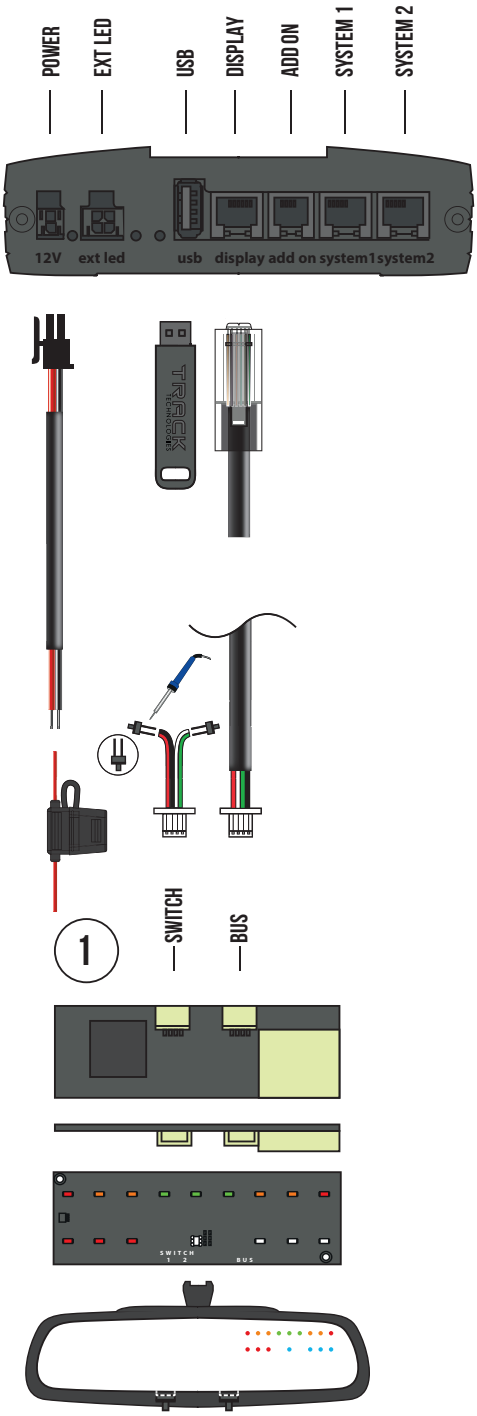

Illustration 1

After the firmware is installed; install the VCD dipole antenna using 'Installer Mode'. Proceed as follows:

ACTIVATE 'INSTALLER MODE'

- Connect the antenna to the antenna connector on the receiver.
- Switch on the car's ignition; **wait until the status LED of Blu Eye lights green.**
- Press and hold buttons 1 and 2 simultaneously for 5 seconds; **a beep sounds. The status LED fades yellow.**
  Note! This setting runs through the menu for setting volume and brightness of the LEDs. This menu is activated after pressing both buttons for 2 seconds. Press and hold both buttons until 'Installer Mode' is activated.
- The LEDs on the display indicate the amount of interference picked up by the antenna. An acoustic signal corresponds to the number of LEDs on the display. This facilitates the search for an interference-free location for the antenna when the display is not visible.

Indication	Result
	Excellent
	Good
	Doubtful
	Poor
	Very poor

LOCATION FOR THE ANTENNA

- Determine the location for the antenna: on a corner of the front or rear bumper (see illustration 2):
- Mounting in the front bumper gives the best reception to the front. Mounting in the rear bumper gives the best reception to the rear.
- Always mount the antenna vertically and with the red radial pointing upwards.
- Preferably fix the antenna with duct tape to the outside of the chosen location first. Start the engine and switch on all lights and accessories.
  Due to reflections from signals in the workshop, it may be necessary to drive the car outside to reliably perform this test.
- LED lighting of the vehicle itself is a common source of interference. This is caused by the pulse-rendering control of the LEDs. Preferably place the antenna as far away as possible from LED lights and lighting wiring.
- When 'Installer Mode' indicates that the chosen location on the outside of the bumper is sufficiently interference-free, move the antenna to the same location on the inside of the bumper.
- If there is not enough space behind the bumper to mount the antenna completely vertically, mount the red radial as vertically as possible and bend the black radial to a maximum of 45 degrees.
  Never mount the antenna right next to (>5 cm) or on metal parts of the vehicle!
- Check that the antenna has interference-free reception even at this location.

- Fix the antenna permanently to the inside of the bumper. Use a 2-component sealant or thermal adhesive for this purpose and make sure the surface is dry and clean. Fix the antenna at least at the marked points as indicated by circles (see illustration 2).
- This will prevent the radials from moving relative to the substrate. This movement can lead to fading and thus to unwanted Blu Eye alerts.

Important: for maximum performance of Blu Eye, only the first or second green LED should be lit at the selected antenna location.

EXIT 'INSTALLER MODE'

- Press and hold buttons 1 and 2 for 2 seconds; a beep sounds. The status LED lights up green.
- Blu Eye is now ready for use.
- Refer to the user manual for the operation and handling of Blu Eye.

ANTENNAS

The VCD dipole antenna supplied is suitable for most common situations and ensures good reception results. In the unlikely event that the VCD dipole antenna cannot be used or maximum reception is desired, we offer a choice of the following alternatives:

- Modification of the existing sharkfin antenna: a modification of the sharkfin antenna is possible for almost all car makes. This modification is carried out by Track Technologies' technicians. Performance: better than the VCD dipole antenna.

- Plate antenna (18 cm long) with angled mounting base. Suitable for mounting on roof or rear spoiler. Performance: better than the VCD dipole antenna.

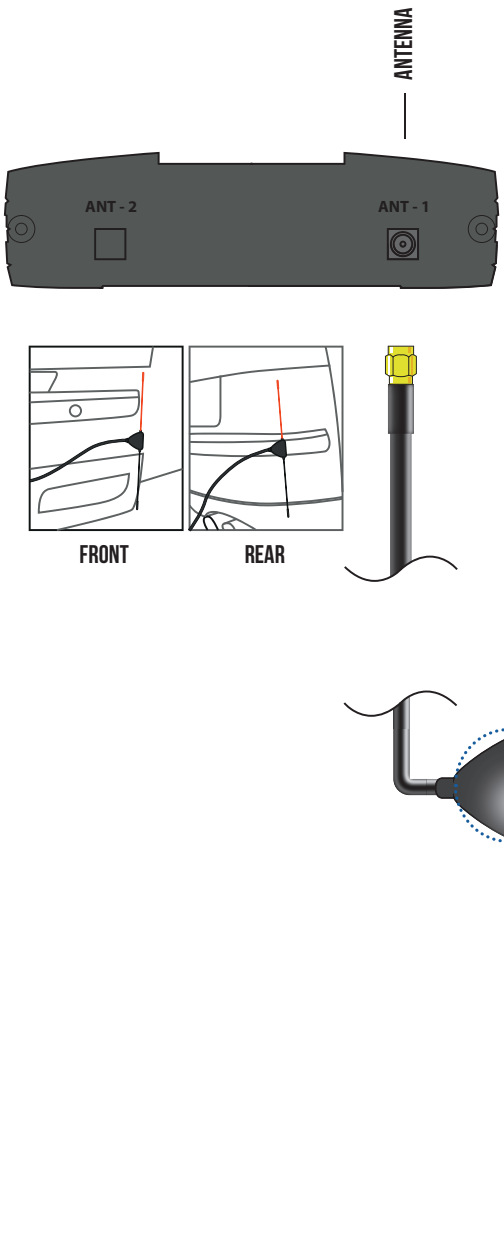

Illustration 2

TECHNICAL SPECIFICATIONS

- Supply voltage: 10 - 16V.
- Power consumption: maximum 550mA
- Fuse: 3A
- Frequency range: 380 – 430MHz.
- TETRA detection by means of 'Waveform recognition', no decoding
- Temperature range: -20°C - +50°C
- Receiver dimensions: 137 x 114 x 32mm. (l•w•h)
- Receiver weight: 475 g
- LED display dimensions: 54 x 18 x 5.6mm. (l•w•h)
- Weight LED display: 6 g
- Antenna Dimensions: total length antenna elements: 345 mm.

TRACK
TECHNOLOGIES

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