



KIYO GPS M1 USER'S GUIDE

1. PURPOSE OF THE GPS DETECTOR DEVICE

The purpose of the device is to ensure the safe driving conditions, by warning the motorcyclist to fixed speed cameras, Section Controls, Red Light Cameras and other risks. To do so, the detector uses a free and updatable GPS database.

2. OPERATION OF THE DEVICE

After igniting the engine, the device powers on and starts connecting to the GPS satellites. This searching is indicated by a flashing LED light. After successfully connecting to the satellites, the flashing light ceases and the continuous LED light indicates that the device is ready for use.

The LED strip of the device lights up only when the motorcycle approaches a speed trap. If the speed of the motorcycle is below the maximum allowed speed limit, the LED strip lights up with a continuous pale light, but when the motorcyclist is speeding, the LED strip indicates the danger with a strong, flashing light.

The database and the software version of the device can be updated with the help of a pendrive connected to the USB port.

The brightness of the LED strip changes according to the current GPS time and the sunrise-sunset timetable, which means that by day, the brightness is set to maximum, while at night it is set to pale light to avoid dazzling.

3. INSTALLATION

a) Accessories

Central Unit



LED wiring harness



GPS receiver



User's Guide



b) Finding the location of the Central Unit

The Central Unit must be installed to a place where the it is safe from water; the area of the battery beneath the seat is usually a suitable location. To avoid any water damage, it is recommended to place the device into a waterproof packet, which will protect it from splashing water and dust. To protect the USB socket when not using it, place the USB dust cap into it.

c) Finding the location of the LED strip and the status indicator

The bottom side of the LED strip is adhesive, therefore you can mount it to any surface on your dashboard. Make sure that the device is placed where you can notice its warnings while driving and that you can safely lead the wiring from that location all the way to the central unit. After this, find a suitable location for the status indicator LED, where you can see it while driving.

Lead the LED wiring all the way to the central unit and fasten it in a way that it would not move or loose. Make sure that the wiring does not restrict the movement of the steering, your arms or any part of the motorcycle.

Connect the wiring to the central unit of the device. Clean the surface of the location where you wish to place the LED strip, then remove the protector foil of the adhesive and mount the device to the selected spot. The next step is to drill a hole for the status indicator and mount the device.

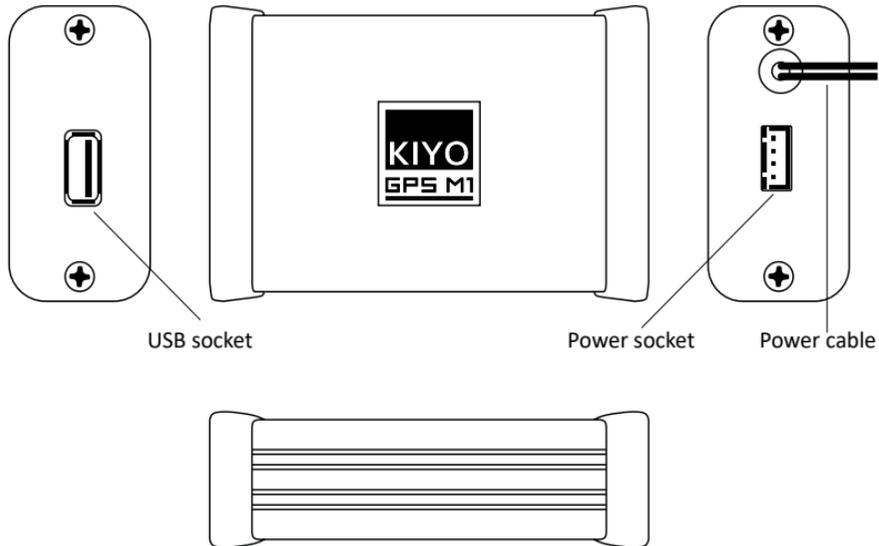
d) Finding the location of the GPS receiver

For the best efficiency, make sure that the GPS receiver has a clear view to the sky. Metallic surfaces might interfere with the connection between the GPS receiver and the satellites, therefore make sure that no such parts are above the antenna. Lead the wiring of the receiver all the way to the central unit and fasten it in a way that it would not move or loose. Make sure that the wiring does not restrict the movement of the steering, your arms or any part of the motorcycle. After it, connect the cable of the GPS receiver to the central unit.

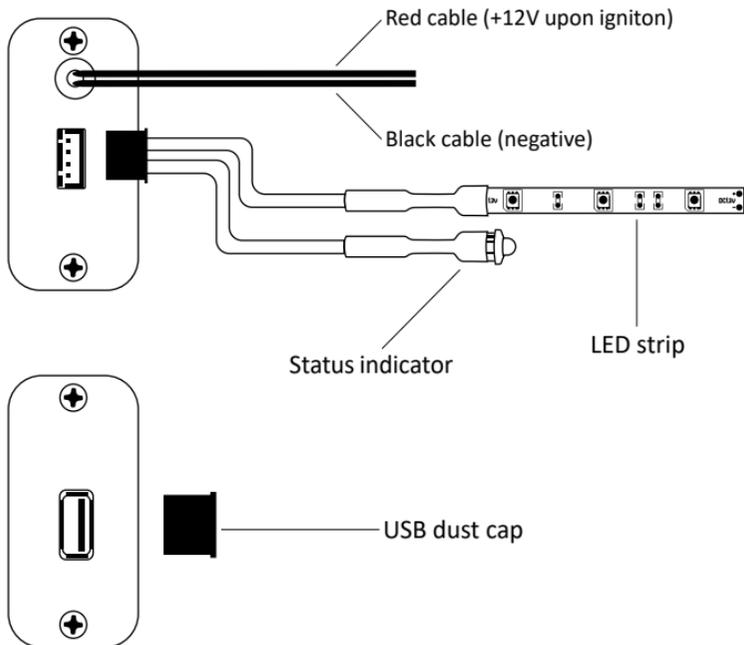
e) Installing the GPS detector

Connect the black cable of the central unit to the battery's negative terminal or to chassis. After this, connect the red cable to a point where a +12V voltage is present following the ignition. The device includes a fuse that will cut off the current in case of a malfunction or a short wire, but will automatically turn back on 30 minutes after the malfunction ceases. Therefore, there is no need for additional fuses attached to the red cable

f) Controls of the GPS M1



g) Wiring diagram of the GPS M1 device



4. USE OF THE GPS DETECTOR

***a)* Turning the detector on**

After igniting the engine, the device powers on and starts connecting to the GPS satellites. This searching is indicated by a flashing LED light. After successfully connecting to the satellites, the flashing light ceases and the continuous LED light indicates that the device is ready for use.

The time for finding the GPS signals for the first time may vary depending on weather conditions, like the humidity of the air and the temperature. In cities, signals reflected from certain objects may also extend the searching time. Upon driving in tunnels or near tall buildings, the device may lose the connection with the satellites and the status indicator may start flashing. Once it is reconnected, the LED strip will flash up and the status indicator will light up continuously.

Warning! Without GPS connection, the device cannot indicate the locations of speed traps, section controls, red light cameras and other dangerous zones.

***b)* Turning the device off**

After the ignition ceases, the device will turn off.

c) Signals of the LED status indicator

Continuous green signal:

The device is connected to the GPS satellites and it is ready for use.

Flashing green signal:

The device is connecting to the GPS satellites and it is NOT ready for use.

No signal:

In this case, the device is not powered. Ignite the engine and check the wiring! The device includes a fuse that will cut off the current in case of a malfunction or a short wire. If the wiring is correct but the status indicator does not show any sign 30 minutes after the ignition, please contact our customer service.

d) Signals of the LED strip

Short flash:

The device just connected to the GPS satellites.

Continuous light blue signal:

You are in a 500 meters vicinity of a dangerous zone and closing on the speed trap, but your speed is below the maximum allowed speed. Pay attention to your speed!

Strong, flashing blue signal:

You are in a 500 meters vicinity of a dangerous zone, closing on the speed trap and your speed is above the maximum allowed speed. Slow down!

5. UPDATING THE GPS DETECTOR

The device contains a complete Europe database, which can be updated without additional costs. However, the software is not updated automatically because the device does not have internet connection, therefore, you have to check for available updates and install them.

a) Registering the GPS Detector

Always make sure that your device is using the latest updates! This is the only way to ensure that the device warns you to all of the possible dangers.

It is not necessary for you to check our website every week, instead, when a new software version is available or a new speed trap location is added to the database, we notify you via e-mail or telephone and help you with the update.

For this, all you have to do is registering your KIYO device.

You can register the device on the following website:

kiyotechnology.hu/registracio

b) Downloading the latest updates

For any information regarding the update, please visit the website of the manufacturer: **kiyotechnology.hu**



GPS M1

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