

VTX900GPS

USER'S GUIDE



1. PURPOSE OF THE VTX900GPS GPS DETECTOR

The purpose of the device is to ensure the safe driving conditions, by warning the driver to Fixed Speed Cameras, Section Controls, Red Light Cameras and other risks. With its inbuilt Laser- and Radar Sensor, the device can detect mobile speedtraps as well. A free and updatable GPS database ensures that the equipment is always up-to-date.

2. OPERATION OF THE VTX900GPS DEVICE

The device can be turned on with the POWER/VOL knob. Once it is powered up, the device starts searching connection with the GPS satellites (while searching, the satellite icon  will flash on the left side of the screen). After the connection is established, the satellite icon will stop flashing. The device will display the current GPS time when the car is stationary and the most important information while on the move (compass, current speed). When a speedcam or other threat is detected, the device signals to the driver in the selected language and displays the current distance to the "danger".

Upon detecting a radar signal, the device will state the type of the signal in the chosen language, display it on the screen and indicates the remaining distance with a beeping sound. (The more frequent the beeping sound, the closer the signal is.)

If the Smart Mute function is activated, the device will only give warnings when the driver is overspeeding. With the Smart Radar Activation feature (🔇), the number of false alarms can be reduced, because the device will only give warnings when the driver is closing on a speedtrap that is saved in the database.

WARNING! The Smart Radar Activation function currently works only in Hungary, if you use it elsewhere, please switch it off.

3. INSTALLATION

a) Accessories

VTX900GPS
Detector device



Windshield mount
with suction cups
and velcro tape



Cigarette Lighter
Plug Power Cable



Spare fuse



USB Cable



User's Guide

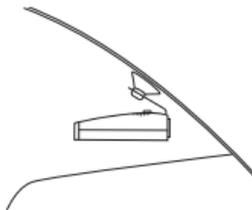


b) Finding the perfect location for the device

For the best efficiency, ensure that the top side of the device has a clear view to the sky and that the backside of the screen is on the windscreen, facing the engine. Metallic surfaces might disturb the connection between the VTX900GPS and the satellites and might interfere with the detection of the radar- and laser signals, therefore, make sure that there are no such surfaces ahead and above the device.

c) Mounting the device

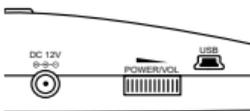
- Mount the bracket on the windscreen.
- Align the bracket until it is horizontal.
- Put the detector into the bracket.
- Attach the power cable to the device.
- Plug the power cable into a 12 V cigarette lighter socket.



When you leave the vehicle, remove the device from the bracket, in this way you can avoid solar damages and other dangers.

WARNING! Some manufacturer might place a protective plastic film on the windscreen of their latest vehicles. The suction caps of the windshield mounts may leave a mark on these windscreens; therefore check the user's guide of your vehicle for information regarding your windscreen.

d) Setting the device up



- The Cigarette Lighter Plug Power Cable goes into the DC 12V socket.
(Vid: "Accessories", p.2.)

- The mini USB connector of the USB cable goes to the USB socket. (Vid: "Accessories", p.2.)
- Connect the device to the vehicle's cigarette lighter socket (DC 12V) via the cigarette lighter power cable. If this socket is connected to a constant current, the Radar- and Laser Detector will function even when the car is not moving. However, in this case, the device will drain the battery in time, therefore, after use, you should turn the off equipment. If the socket is connected to the ignition circuit, the Detector will turn off when the ignition ceases, therefore it will not drain the battery.

e) Turning the device on

The device can be turned on with the POWER/VOL knob. Once it is powered up, the device starts searching connection with the GPS satellites (while searching, the satellite icon  will flash on the left side of the screen). After the connection is established, the satellite icon will stop flashing. The device will display the current GPS time when the car is stationary and the most important information while on the move (compass, current speed). When a camera is detected, the device signals to the driver in the selected language and displays the current distance to the speed trap.

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.

When driving in tunnels or near tall buildings, the device may lose the connection with the satellites and display the text SEARCHING again, but it will reconnect in time.

4. SPECIFICATIONS

Power: DC 12V

X-band: 9.875 – 9.925 GHz

Size: 70*115*35 mm

X-band: 10.500 – 10.550 GHz

GPS receiver:

MediaTek MT3337

Ku-band: 13.425–13.475 GHz

high sensitivity (-165dBm)

K-band: 24.050 – 24.250 GHz

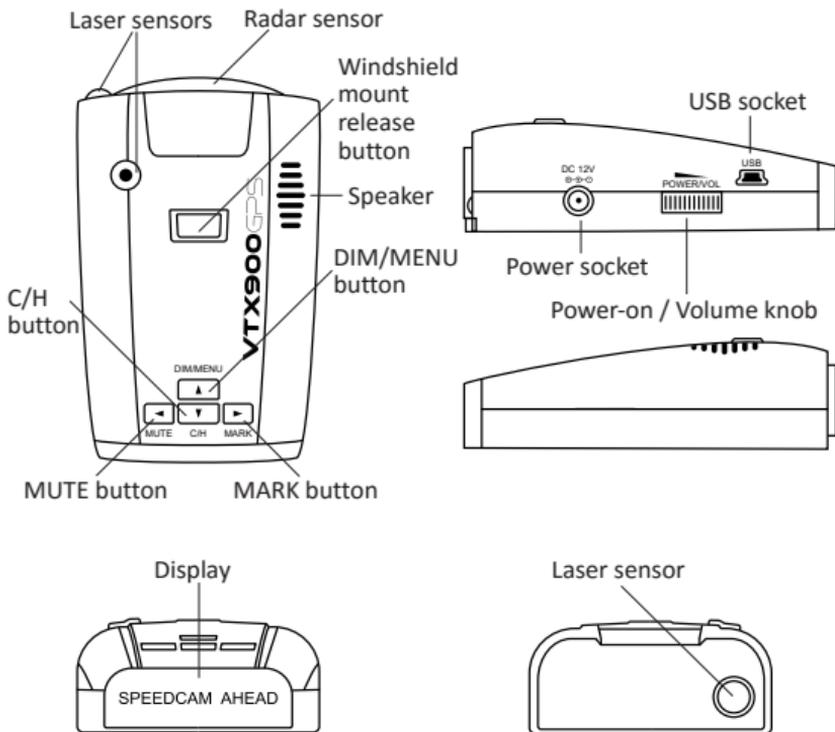
LaserDetection:

ProLaser II, III, SCS-101-103, etc...

Ka-band: 33.400–36.000 GHz

5. USE OF THE GPS DETECTOR

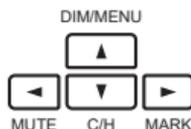
a) Controls of the VTX900GPS Radar- and Laser Detector



b) Functions of the control buttons

DIM / MENU [▲] button

- a) One short press: :
Adjusting screen brightness:
Full, Medium, Low brightness.



- b) Pressing and holding the button for 3 seconds:
Entering the “Settings” menu (vid: p.8.).

MUTE [◀] button

- a) One short press when alarming.
Pressing the button once will mute the sound of the alarm and the device will remain muted for 30 seconds after passing by the source of the signal.

The mute function of the button is only active while the device is alarming.

C/H [▼] button

- a) One short press:
By pressing the C/H button once, the driver can choose between two modes: Highway and City modes. By choosing Highway mode, the radar sensitivity is set to maximum. In City mode, the sensitivity is reduced, in this way the number of false alarms can be decreased.
- b) Pressing and holding the button for 3 seconds:
By pressing and holding the C/H button for 3 seconds, the Preview mode will activate. With its help, the driver can learn more about every function of the device.

MARK [►] button

a) One short press:

Add or delete a User Coordinate

While driving (with an active GPS connection) press the MARK button to add your current position to your User Coordinates. These points can be, for example, new speed camera locations, that were not in the database before. The device will state the saving of the new coordinate in the selected language.

A previously added User Coordinate can be deleted by pressing the MARK button while closing on that given coordinate, but only after the device alarmed the driver to the danger. The successful deletion of the User Coordinate is indicated by the "User Coordinate deleted!" message. This function is available only with an active GPS connection.

All of the saved User Coordinates can be deleted in the FACTORY RESET menu.

When the MARK button is pressed without an active GPS connection the device will display the following message: "GPS ERROR".

b) Pressing and holding the button for 3 seconds:

When the MARK button is pressed and held for 3 seconds, the device will display the current distance the car has taken since the last activation of the device.

By pressing and holding both the MUTE [◀] and C/H [▼] buttons for 5 seconds, all of the device's settings will be reseted to default.

c) Settings

By pressing and holding the DIM/MENU [▲] button for 3 seconds, you can enter the Settings menu of the device. With the help of the navigating buttons, you can switch between the different menus and modify the settings. Use the MUTE [◀] and the MARK [▶] buttons to navigate and use the DIM/MENU [▲] and the C/H [▼] buttons to modify the settings.

The modifications can be saved by exiting the menu or by pressing and holding the DIM/MENU button [▲] for 3 seconds.

The following tables will show all of the available options of the VTX900GPS device.

WARNING! Upon some software updates, certain points of the menu system may change.

1 GPS and Radar receiver function (Default: GPS ON RADAR ON)

In this menu, the detection of the GPS signals can be turned on or off.

WARNING! With the GPS receiver turned off, the device do not warn to the dangers saved in the GPS database and with the radar detection turned off, it does not indicate the radar signals.

By turning the GPS and Radar detection on or off, the content and the order of the menu system will change. This guide contains the order of the menu system when the two function is turned on.

Display	Function
GPS ON RADAR ON	Enabling GPS & Radar+Laser Detection.
GPS OFF RADAR ON	GPS disabled, Radar+Laser enabled.
GPS ON RADAR OFF	GPS enabled, Radar+Laser disabled.

2 Displaying elapsed time

Displays the overall elapsed time since the power up of the device.

3 Displaying the overall distance travelled

Displays the overall distance that has been taken since the power up of the device.

4 Language (Default: Hungarian)

Setting the language of the menu system and the device itself.

Display	Function
English	Language of the device: English.
Hungarian	Language of the device: Hungarian.

5 GPS voice options (Default: ON)

Enabling or disabling the voice alerts of the device.

Display	Function
VOICE ON	Voice alert is enabled.
VOICE OFF	Voice alert is disabled.

6 SRA – Smart Radar Activation (Default: ON)

icon: 

By enabling the Smart Radar Activation feature, the number of false alarms can be reduced, because the device will only warn to speed cameras that are saved in the database (HUNGARY ONLY).

WARNING! This feature is optimized to Hungarian speed traps, therefore, deactivate it when driving in other countries.

Display	Function
SMART RADAR ON	Smart Radar Activation is enabled.
SMART RADAR OFF	Smart Radar Activation is disabled.

7 User Coordinates database (Default: ON)

Here, you can enable or disable the User Coordinates database. To save a new point to the User Coordinate database, while driving (and with an active GPS connection) press the MARK [►] button upon arriving to the coordinate you wish to save.

Display	Function
USER MARK ON	User Coordinates alert is enabled.
USER MARK OFF	User Coordinates alert is disabled.

8 Database of the Fixed Speed Camera locations (Default: ON)

Here, you can turn the fixed speed camera database on or off. This database contains the locations of fixed speed cameras and the locations of speed cameras built into traffic lights.

Display	Function
SPEED CAMERA ON	Fixed Speed Camera alert is enabled.
SPEED CAMERA OFF	Fixed Speed Camera alert is disabled.

9 Database of the Section Control Zone locations (Default: ON)

Here, you can turn the database of the Section Control Zone / Average Speed Measuring on or off. The database contains the locations of Average Speed Measurement Zones and Section Controls.

Display	Function
AVGSPD CAM ON	Section Control Zone alert is enabled.
AVGSPD CAM OFF	Section Control Zone alert is disabled.

10 Red Light Camera database (Default: ON)

Here, you can turn the database of Red Light Cameras on or off. The database contains the locations of Red Light Cameras, Bus Lane Cameras and Surveillance Cameras.

Display	Function
REDLIGHT CAM ON	Red Light Camera alert is enabled.
REDLIGHT CAM OFF	Red Light Camera alert is disabled.

11 Dangerous zones database (Default: ON)

Here, you can turn the database of dangerous zones on or off. The database contains the locations of dangerous crossroads, rail crossings, etc.

Display	Function
DANGER ZONE ON	Dangerous zone alert is enabled.
DANGER ZONE OFF	Dangerous zone alert is disabled.

12 Toll Gate database (Default: OFF)

Here, you can turn the database of the Hungarian HU-GO Toll Gates on or off. The database contains the locations of the HU-GO electronic toll system gates.

Display	Function
TOLL GATE ON	Detection of Toll Gates is enabled.
TOLL GATE OFF	Detection of Toll Gates is disabled.

13 Distance Alert (Default: 500m)

Here, you can modify the distance from which the device will warn the driver to imminent dangers. Recommended: 700 m on freeways and 250 m in cities.

14 Overspeeding warning (Default: OFF)

When enabled, the device gives warning when the driver is speeding. In this menu, you can set the speed limit above which the device will give warning.

Display	Function
LIMIT SPEED OFF	Disabling the overspeed warning.
LIMIT SPEED: 70-130	Options may vary between: 70-130 km/h.

15 Smart Mute feature (Default: 50)

With this feature enabled, the device will not give warnings when the driver is driving below a set speed limit, in this way the number of false alarms can be reduced

Display	Function
SMART MUTE OFF	Disabling the Smart Mute feature.
SMART MUTE 10-70	Options may vary between: 10-70 km/h.

16 Setting GMT (default: +2)

Here, you can set the GMT. The time zone is not updated automatically upon changing to or from Daylight Saving Time; the current time must be adjusted manually.

Display	Function
GMT +/- Hour	Setting GMT between -12 and 12.

17 Every Hour Alert (Default: ON)

The device signals on every full hour.

Display	Function
TIME ALARM ON	Every Hour alert is enabled.
TIME ALARM OFF	Every Hour alert is disabled..

18 Displaying current speed (Default: ON)

When the car is moving, the detector is connected to the satellites and there is no current alerts, the device displays basic travelling information. In this menu, you can add the current speed to this displayed information.

Display	Function
SPEED ON	Displaying of the current speed is enabled.
SPEED OFF	Displaying of the current speed is disabled.

19 Displaying the compass (Default: ON)

Here, you can turn the compass on or off.

Display	Function
COMPASS ON	Enabling the compass.
COMPASS OFF	Disabling the compass.

20 Displaying current time (Default: ON)

When the car is stationary, the detector is connected to the satellites and there are no ongoing alarms, the device displays the current time. In this menu, you can turn this feature on or off.

Display	Function
TIME DISPLAY ON	Displaying of the current time is enabled.
TIME DISPLAY OFF	Displaying of the current time is disabled.

The radar detection of the device may be displayed in various ways. When the radar detection is active, the  is displayed on the screen. With enabled SRA feature, the  shows that the radar detection is temporarily deactivated. If none of the icons is displayed, then the radar detection is completely turned off.

21 Detecting X-band (Default: OFF)

Here, you can turn the detection of the X-band on or off.

Display	Function
X BAND ON	X-band is enabled.
X BAND OFF	X-band is disabled.

22 Detecting Ku-band (Default: OFF)

Here, you can turn the detection of the Ku-band on or off.

Display	Function
Ku BAND ON	Ku-band is enabled.
Ku BAND OFF	Ku-band is disabled.

23 Detecting K-band (Default: OFF)

Here, you can turn the detection of the K-band on or off.

Display	Function
K BAND ON	K-band is enabled.
K BAND OFF	K-band is disabled.

24 Detecting Ka-band (Default: ON)

Here, you can turn the detection of the Ka-band on or off.

Display	Function
Ka BAND ON	Ka-band is enabled.
Ka BAND OFF	Ka-band is disabled.

25 Laser Detection (Default: ON)

Here, you can turn the laser detection on or off.

Display	Function
LASER ON	Laser detection is enabled.
LASER OFF	Laser detection is disabled.

26 Alarm sound (Default: High)

Here, you can modify the settings of the device's (beeping) alarm sound.

Display	Function
tone HIGH	High-pitched alarm sound.
tone LOW	Low-pitched alarm sound.

27 Auto mute (Default: ON)

With this feature enabled, the device will signal on the previously set alarm sound and will gradually decrease the alarm volume, in this way the sustained alarms will be less annoying.

Display	Function
AUTO MUTE ON	Auto mute is enabled.
AUTO MUTE OFF	Auto mute is disabled.

28 Sustained driving alarm (Default: ON)

With this feature enabled, the device monitors the current travelling time and in every 2 hours, it warns the driver that it is time to rest.

Display	Function
2 HOUR ALARM ON	Sustained driving feature is enabled.
2 HOUR ALARM OFF	Sustained driving feature is disabled.

29 Factory Reset

Here, you can reset the default settings.

Display	Function
FACTORY RESET?	Resetting default settings.

30 Deleting User Coordinates

Here, you can delete all of the previously added User Coordinates from the database.

Display	Function
DELETE ALL USER?	Deleting every User Coordinate.

31 Displaying Software and Database version numbers

In this menu, you can check the current software and database version numbers of the device and determine whether a software update is needed or not.

Display	Function
V1.30 – 170306	Displaying software version and database date.

32 Exit

Saving the settings and exiting from the menu system.

d) Downloading the USB driver, the latest database and the User's Guide of the VTX900GPS device.

The USB driver and the latest database update is always available at the distributor's website. Here, you can read all the necessary information regarding the installation of the driver and the database and download the electronic version of the User's Guide.

6. MAIN FEATURES

- Customizable alarm system
- Free updates for the GPS database
- Hungarian and English language support
- Detecting Fixed Speed Cameras
- Detecting Mobile Speed Cameras
- Detecting radar signals
- Displaying current speed
- Displaying average speed
- Displaying traveled distance
- Inbuilt compass
- Smart Mute feature
- Radar band detection that can be switched on or off (X-band, K-band, KA-band)
- Auto Mute feature
- Sustained driving alarm
- Displaying maximal speed
- Smart Radar Activation (reducing the number of false alarms)
- 1-year warranty

VTX900GPS