

VANGUARD

User Manual



SPECIFICATIONS

General

Operating Temperature	<ul style="list-style-type: none">• -40°C - 80°C
Product Dimension	<ul style="list-style-type: none">• 77mm X 62mm X 26mm
Environmental Sensor	<ul style="list-style-type: none">• Gas sensor• Temperature Sensor• Humidity Sensor• Indoor air quality measurement
Accelerometer/Gyroscope	<ul style="list-style-type: none">• 6-axis Inertial Measurement Unit

Power

USB	<ul style="list-style-type: none">• USB Type-C compliant• PD compatible• 800mA battery charger• Vbus 5.0V operation
Battery	<ul style="list-style-type: none">• Li-ion 3.7V 3000mAh

CONFIGURATION AND INSTALLATION GUIDE FOR THE FENCIVE VANGUARD SYSTEM

Introduction

Congratulations!

You've just acquired Fencive's revolutionary Vanguard alarm system—specially designed for recreational vehicle enthusiasts like you.

You can now hit the road with peace of mind, knowing that your camper van or motorhome is protected wherever you go. Thanks to its GPS tracker, environmental sensors, and intrusion detection, it ensures safe and worry-free adventures. Even when your vehicle is in storage, Vanguard keeps you connected to it from anywhere in the world.

You now benefit from:

- **LTE connectivity** (pre-installed and activated SIM card)
- **GPS tracking** (automatically activated upon motion detection)
- **Vibration detection** (sensitive to movement of your camper van)
- **High-precision measurements** of temperature, humidity, air quality, and gases
- **Main rechargeable battery** (included) via USB-C port, with a 6-month battery life (over 12 months in storage mode)
- **Rotating, magnetic motion detector**, covering an ultra-wide detection area, connected to your Vanguard device via Bluetooth. Powered by a 2/3AA battery (included) with a 2-year lifespan, easily replaceable
- **1-year warranty**
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Unboxing

In the box, you will find:

1. The Vanguard device



2. The motion detector + magnetic mount + 1 adhesive pad



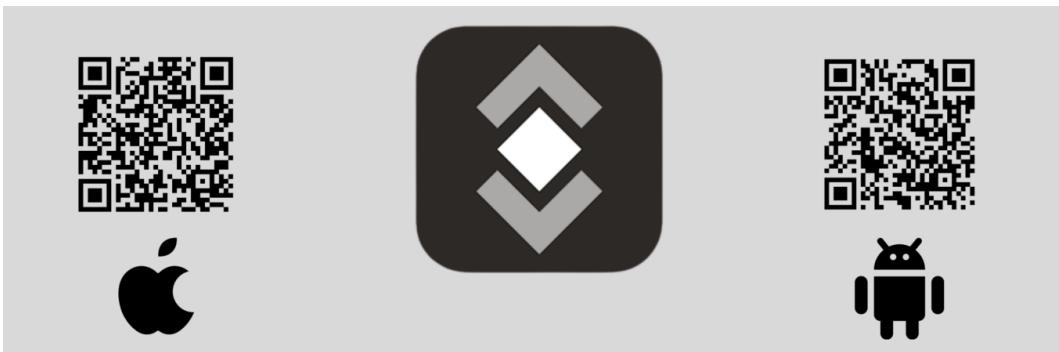
3. Wall mount for the device + 1 adhesive pad
4. One 2/3AA battery (for the motion detector)
5. USB-C cable
6. Quick start guide

Preparing the Device and the Motion Detector

1. Using the provided USB-C cable and a power source, plug in the device.
2. The LED will emit a steady green light while charging (it takes 4 to 5 hours if fully depleted).
3. The LED will turn off once charging is complete. At that point, unplug the device.
4. Open the motion detector by unscrewing the two parts counterclockwise, then remove the sticker.

Installing the Fencive App on Your Phone

1. Using your phone, scan the QR code below corresponding to your operating system (Apple or Android).



2. Download the app on your phone.

Creating a Fencive account and activating your Vanguard system

1. Open the app you installed on your phone.
2. Follow the instructions on your phone's screen. You will be guided step by step.

PLEASE NOTE!

- It is important to allow notifications from the app on your phone. This is essential for the system to work properly.
- During the activation steps, you will be asked to pair the motion detector with your main device. Follow the on-screen instructions. Note that if you wish, you can purchase additional detectors and pair them with the system. The system can support up to 10 motion detectors.

Choosing a data transmission plan

1. Free plan. When you activate your system, you will immediately benefit from a free plan. It offers current location and motion detection (current presence).
2. Premium plan. Offers unlimited data transmission, providing all locations, all intrusion detections, and measurements of outdoor/indoor conditions (temperature, humidity, AQI).

*** Explore flexible payment options on the Fencive website and save significantly (<https://www.fencive.com/fr/plans>).

Configuration and use of the Fencive app

Home Page

Gives you access to important information about your system and your recreational vehicle

1. Profile
2. Location
3. Live presence
4. Comfort
5. Device
6. Sleep mode / system arming
7. Access to different pages

Events Page

Gives you access to the various events detected by your system

1. Calendar
2. Event filtering (intrusion – movement – or all)
3. Navigation icons between days and events (< > Previous Next Today)
4. Touchscreen for navigating between different hours of the day. By placing your finger on the screen and moving it up or down, you can browse through the day's hours and view the various events detected by your system.

Settings Page

Allows you to configure different system parameters:

1. **Vibration alert.** This feature notifies you if your recreational vehicle experiences significant vibrations without moving. It does not detect slight vibrations, such as someone walking inside or the vehicle being gently shaken by the wind. The system is set to alert you, for example, when a trailer is moved to be attached to a car or when a motorhome's engine is started. A vibration alert automatically triggers GPS position recording, as it signals that the vehicle will likely be moved soon. The notification may take 10 to 30 seconds to reach your phone.
2. **Intrusion alert.** The notification may take 10 to 30 seconds to reach your phone.
3. **Smart mode.** The notification may take 10 to 30 seconds to reach your phone.
4. **Movement in progress**
5. **Temperature limit.** Takes one critical measurement per hour.
6. **Humidity limit.** One measurement per hour.

7. **Polluted air alert.** One measurement per hour. The system detects and alerts you to the presence of VOCs (Volatile Organic Compounds). These are chemical substances that easily evaporate into the air at room temperature and are commonly found indoors and outdoors. VOCs can be natural (from plants, for example) or human-made (household products, paints, glues, solvents, fuels, heated materials like panels, plastics, adhesives, etc.). They can seriously affect your health. If you receive a notification that the VOC level is high, we suggest airing out the area and trying to identify and eliminate the source (cooking, unsealed chemical containers, cleaning with chemicals, indoor air fresheners, scented candles, incense, combustion, etc.).

Accessories



You can add up to 10 motion detectors to a single Vanguard device.

Technical support

Contact us by email or on our Facebook page

Installation of the Vanguard system

1. Charge for 4 to 6 hours. The light is green when the device is plugged in and turns off when fully charged.
2. The distance between the motion detector and the main device can be up to 50 meters.
3. The app will notify you if there is interference and your motion detector disconnects.
4. Avoid exposing your motion detector to direct sunlight, as this may cause false detections.
5. Detection angle: 100 degrees.
6. Press the latch.

7. Place the detector in a discreet location, but make sure the signal is not blocked (for example, avoid placing it inside a metal drawer).
8. Press and hold the button on the main device.
9. Wait for the blue LED to start blinking.
10. Open the motion detector by turning the back cover counterclockwise.
11. If you have more than one motion detector, identify each by naming it (this name will help you know where the intrusion comes from).
12. Press and hold the button until the red LED starts blinking.

Ideal Placement of the Main Device:

The location you choose should consider that the device contains components to measure temperature, humidity, and VOC levels.

VOCs (Volatile Organic Compounds) are generally lighter than air, but this varies by compound (formaldehyde, benzene, toluene, etc.).

They tend to rise and accumulate in higher areas, especially when heated (often emitted by heated materials like panels, plastics, adhesives, etc.).

However, some VOCs can also be found at mid or low levels, especially if they come from cleaning products, fuels, or other ground-level sources.

Practical Recommendations:

- **Ideal installation height:** Install the detector at breathing height (about 1.2 to 1.5 meters above the floor), which is where human exposure is most critical.
- Avoid corners, direct air vents, or near windows, as these can distort readings.
- If you have only one detector, place it centrally and at a medium height, but not too close to the ceiling (avoid the top 30 cm).
- If you have multiple potential VOC sources (cleaning products, fuel, cooking, etc.), consider using multiple sensors.

Summary :

 **Place the detector at a medium to high height (between 1.2 m and 1.8 m from the floor), in a central location, away from direct air flows.**

To reliably measure temperature and humidity inside a recreational vehicle (RV), the choice of location and height is crucial to obtain data that accurately represents the actual comfort inside.

 **Recommended location inside the RV :**

1. Central and frequently used area:

- Near the main living area (living room, dinette).
- Avoid exterior walls directly exposed to sun or cold (they distort measurements).
- Do not place the device near direct sources of heat or cold:
 - Heater, air conditioner, fridge, oven, windows exposed to the sun.
 - Also keep it away from drafts (ventilation outlets, doors).

2. **Avoid areas near the ceiling or floor:**

- Warm air rises and cold air stays low; these zones do not accurately reflect the experienced conditions.

 **Ideal height:**

- Between 1.2 m and 1.5 m from the floor, at breathing or sitting/standing level.
- This height provides the best estimate of real thermal and humidity comfort for occupants.

 **Summary:**

- **Height:** 1.2 m to 1.5 m from the floor.
- **Location:** Central area of the RV, away from sources of heat/cold or localized humidity (e.g., immediate kitchen or bathroom).
- **Mounting:** Stable, on an interior wall or placed on furniture at the appropriate height.

Regulatory

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular

installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.