When K-Band is detected, It will display below with Beep Alert speaker.

P X **K** Ka L S2 S3 Cty

When Ka-Band is detected, It will display below with Beep Alert speaker.

P X K **Ka** L S2 S3 Cty

VG-2 Detection

VG-2 is a function that works by detecting low-level signals emitted by most radar detectors. Your KF-2030V does not emi signals that can be detected by VG-2, but does detect VG-2 signals and will alert you when a device is in use near your vehicle.

When VG-2 Gun is detected, It sounds Beep Alert Speaker.

Laser Detection

- Front & Rear 360 ˚ detects below laser gun
- LTI-2020 Laser
- Ultra Lyte Laser
- Pro Laser Ⅰ, Ⅱ, Ⅲ

When Laser is detected, It will display below with Beep Alert speaker.

P X K Ka **L** S2 S3 Cty

Technical Details

Feature and Specifications

Operating Bands

- X-band : 10.525 GHz ± 25MHz
- K-band : 24.150 GHz ± 100MHz
- Ka-band : 34.3 GHz, 34.7 GHz, 34.9 GHz

Radar Receiver /Detector Type

- Double conversion superheterodyne
- Scanning Frequency Discriminator

Note: 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.

Modifications not expressly approved by the manufacturer could void the user's authority to operated the equipment under FCC rules.

Display Type

- Text LED Display
- Dark Mode

Laser Detection

- Quantum Limited Video Receiver

Power Requirement

- 12~15 VDC Power Cord

Programmable Features

- Mute Mode
- City Mode
- Radar/Laser Detection
- Beep alert speaker
- Dark Mode

Sensitivity Control

Highway and City

How Radar Works

Traffic radar, which consists of microwaves, travels in straight lines and is easily reflected by objects such as cars, trucks, even guardrails and overpasses. Radar works by directing its microwave beam down the road. As your vehicle travels into range, the microwave beam bounces off your car, and the radar antenna looks for the reflections. Using the Doppler Principle, the radar equipment then calculates your speed by Comparing the frequency of the reflection of your car to the original frequency of the Beam sent out.
Traffic radar has limitations, the most significant of these being that it typically can Monitor only one target at a time. If there is more than one vehicle within range, It is up to the radar operator to decide which target is producing the strongest reflection.
Since the strength of the reflection is affected by both the size of the vehicle and its Proximity to the antenna, it is difficult for the radar operator to determine if the signal is from a sports car nearby or a semi-truck several hundred feet away.

Radar range also depends on the power of the radar equipment itself. The strength of The radar unit's beam diminishes with distance. The farther the radar has to travel, The less energy it has for speed detection.
Because intrusion alarms and motion sensors often operate on the same frequency As X-band radar, your KF-2030V will occasionally receive non-police radar signals. Since these X-band transmitters are usually contained inside of a building, or aimed Toward the ground, they will generally produce much weaker readings than will a true radar encounter. As you become familiar with the sources of these pseudo alarms in Your daily driving, they will serve as confirmation that your KF-2030V's radar detection Abilities are fully operational.

How Laser(Lidar) Works

Laser speed detection is actually LIDAR(Light Detection and Ranging). LIDAR guns project a beam of invisible infrared light. The signal is a series of very short infrared-light pulses, which move in a straight line, reflecting off your car and returning to the gun. LIDAR uses these light pulses to measure the distance to a vehicle.
Speed is then calculated by measuring how quickly these pulses are reflected with the known speed of light.
LIDAR(or Laser) is a newer technology and is not as widespread as conventional radar. Therefore, you may not encounter laser on a daily basis. And unlike radar-detection, laser-detection is not prone to false alarms. Because LIDAR transmits a much narrower beam than a radar, it is much more accurate in its ability to distinguish between targets and is also more difficult to detect. As a result, even the briefest laser alert should be taken seriously.
There are limitations to LIDAR equipment. LIDAR is much more sensitive to weather conditions than radar, and a LIDAR gun's range will be decreased by anything affecting the visibility such as rain, fog, or smoke. A LIDAR gun cannot operate through glass and it must be stationary in order to get an accurate reading. Because LIDAR must have a clear line-of-sight and subject to cosine error (an inaccuracy which increases as the angle between the gun and the vehicle increases) police typically use LIDAR equipment parallel to the road or from an overpass. LIDAR can be used day or night.

Service

Warranty

1. To obtain service during the one year warranty period, Return to your detector with Warranty Registration Card.

   1280 Louis Ave
   Elk Glove Village, IL 60007
   TEL:1-847-734-8700 FAX:1-847-734-1404

2. Enclose the following information:

   * Your name, return address and description of the problem.
   * A telephone number where you can be reached during business hours.
   * Proof of purchase.

Accessories

1. Magnet & Plate
2. Velcro Tape
3. Power Cord
4. Warranty Registration Card

MANUAL

NAXEL

KF-2030V

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Introduction

congratulations

KF–2030V is the most advanced radar, laser and safety detector available. KF–2030V includes full X, K, SuperWide Ka, and VG–2, front and rear laser detection(360 ° Laser detection), City Mode(All bands) reduced false alarms, beep alert speaker.
If this is your first detector, please read the manual in detail to make use of your KF–2030V outstanding performance and innovative features.

Installation

Installation

To using your KF–2030V, just follow these simple steps.

1. Plug the small end of the power cord into the side jack of the detector and plug the large end of the power cord into your car's lighter socket.
2. Place your KF–2030V on the dashboard using the supplied magnet–table.
3. Rotate the power/volume control on KF–2030V's left side to turn KF–2030V on and adjust the volume.

Explanation to each function

① Power/Volume control: Rotate the thumbwheel to turn KF–2030V on and to adjust the volume

② Mute: Briefly press this button to silence the beep alarm.
③ Dark: In the Dark Mode the display will not light during an alert.
④ City: Press this button to reduce false alarms.
⑤ Highway : Initial setting When City is off.
⑥ Power Jack: Plug the power cord into this connector.
⑦ Text LED Display: The display will indicate radar, Laser bands, and City Mode.
⑧ Laser Detection: Front, Rear for 360 °

Power Connection and Mounting Location

Power Connection

To supply power on KF–2030V, Plug the small end of power cord into the power jack on KF–2030V's right side, and plug the large end of the power cord into you car's lighter socket or accessory socket.

Power Voltage: 12 ~15 VDC.

Note : Depending on your vehicle, the lighter socket power may either be continuously.
On, or it may be switched on and off with your ignition switch.

Mounting Location

Where to mount KF–2030V

1. To place KF–2030V on dashboard, dust–off the area where to make a clear view of the road from the front and rear.
2. Remove the paper backing on the bottom side of magnet–table.
3. Attach magnet–table the back of detector.
4. Place the detector on the dashboard.

Magnet–table

Note : Magnet–table is multifunctional device for vehicle, which is capable of Attaching Detector and accessories.
Some newer cars have an Instacler™ or Electriclear™ coating.
It will Influence on radar sensitivity.

Controls and Features

Power and Volume Control

To turn detector on, rotate power/volume control clockwise.
The detector sounds distinctive beep and displays each band as self–tests.
(P, X, K, Ka, L, S2, S3, Cty in order), Finally displays "P"

To turn detector off, rotate the power/volume control counterclockwise.

Adjust The Volume

To volume up, rotate the power/volume control clockwise.
To volume down, rotate the power/volume control counterclockwise.

Mute Mode

Mute button allows you to turn off beep alert.
Initial setting: Mute off
If the Mute button is on and a signal is detected, KF–2030V shows display only.

Dark Mode

Dark button has two functions.
One is Dark Mode, the other is VG–2 Detection.

Dark button allows you to turn off display.
Initial setting: Dark off
If Dark button is on and a signal is detected, KF–2030V sounds Beep Alert Speaker only.

When you press Dark button for 2 seconds, It will turn into VG–2 Detection and "P" is blinking. When Signal is detected, "P" is on and show band with Strength Indicator. VG–2 Mode is not saved when P switch on to off.

P X K Ka L S2 S3 Cty

Note : Mute & Dark button doesn't work at the same time.

City Mode

City button allows you to reduce false alarms filtered by software. P X K Ka L S2 S3 Cty
If City button is on and signal is detected, it allows you to reduce false alarm.
In this setting, the meter displays the band of the receiving signal, and a bar graph shows the relative signal strength.

Highway Mode

Initial setting: City off(Highway Mode)

P X K Ka L S2 S3 Cty

Text LED Display & Beep Alert Speaker

When X–Band is detected, It will display below with Beep Alert speaker.

P X K Ka L S2 S3 Cty