

radenso
radar

radenso Pro M



user manual

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foreward

Congratulations on your new investment. You chose one of the best high-tech, GPS enabled, mobile radar and laser detector available on the market today. The Radenso Pro M is the evolution of the Radenso equipped with an additional circuit designed to detect the newest MultaRadar and Gatso RT 3 delivering astonishing detection range on all radar bands. Coupled with multiple filters against annoying false alerts your Radenso Pro M will alert only when it counts.

Features

- Extremely sensitive, high performance windshield mounted radar detector
- Longest detection range on all bands
- MultaRadar and Gatso RT3 capable
- Selectable X, K, Ka narrow, MRCD, MRCT and Gatso radar bands tuned to the exact radar frequencies used in North America for increased range and reduced false alarms.
- Selectable Ka POP radar band (ON/OFF).
- Selectable 2-level Traffic Sensor Rejection Filter (TSR Low and TSR High).
- Selectable 2-level filter for MRCD bands.
- Selectable Ka band filter.
- Highway, City and AutoCity Mode.
- Revolutionary Auto City Mode with selectable band filtering based on speed settings.
- MUTE Mode mutes all K and X band alerts as long as it is activated. Ka and Laser alerts are not muted.
- Bright, Dim and Dark Display modes.
- Smart Dark Display Mode (turns on display only for alerts).
- Bright OLED display. AutoMute reduces volume of alerts after 2 seconds.
- Preloaded GPS Speed and Red Light Camera database.

- Unlimited free lifetime updates for red-light/speed cameras and firmware
- 7 selectable display modes
- Displays radar frequency during visual alert.
- Voice Alerts with frequency announcement during alert.
- Mark your own POI locations for future alerts. (potholes, hidden driveways, etc)
- GPS lockout of false alert areas.
- User-friendly, easy intuitive voice-guided feature section.
- Large suction cups for firm, secure installation on windshield.
- Power Cord with Power ON/OFF button.
- 1 year manufacturer warranty.

Main Functions

The Radenso Pro M is one of the most powerful radar detectors in the industry. It is designed to protect the driver from speeding tickets and fines. The Radenso Pro M communicates with the driver in English and its main functions are the detection of radar (X, K, Ka, MultaRadar), laser guns, red light cameras, and fixed speed cameras.

Notifications:

When a radar signal is detected, the driver will be alerted by a visual text warning and a voice/tone alert. The display and voice alert will indicate the detected radar band, frequency, and signal strength.

A beeping warning tone will increase its intensity with increasing signal strength. The signal strength has ten levels. GPS alerts are reported by voice; for example, "Speed camera."

what's inside.



A. Radenso Pro M

- Small, easily mountable radar detector
- Intuitive OLED display

B. Power Cable

- Provides power to the Pro M with its own on/off switch

C. Windshield Mount

- Attaches easily to the Pro M
- Strong suction cups attaches securely to the windshield

D. Travel Case

- The travel case fits your detector and cords for compact travel

E. USB Cord

- Mini USB cord connects your Pro M and computer to allows firmware updates

additional accessories

Direct Wire Kit (optional)



- Allows you to hardwire your unit directly to your vehicle
- Frees up your car's power adapter
- Compatible with the Radenso Pro / Pro SE / Pro M

Visor Mount (optional)



- The visor mount allows you to clamp your Pro M to your visor rather than your windshield
- Compatible with the Radenso Pro / Pro SE / Pro M

installation guide

Quick Start Up Guide

To start using your Radenso Pro M radar detector, follow these easy steps:

1. Slide the windshield mounting bracket into the QuickMount slot at the front of the radar detector.
2. Plug the small end of the power cable into the power jack on the Radenso Pro M left side and connect the large plug with the 12V power socket in your car.
3. Press the red button at the large end of the power cable (at the 12V socket) to turn the power cable on. The button will light up to indicate that the power is on.
4. Press the power button for 2 seconds to turn on the Radenso Pro M. The unit will power up with the start up sequence. After a few seconds, the Radenso Pro M will notify you that the GPS is connected with a solid "GPS" on the display.
5. Adjust the volume level by pressing the volume buttons located on the right side of the unit.

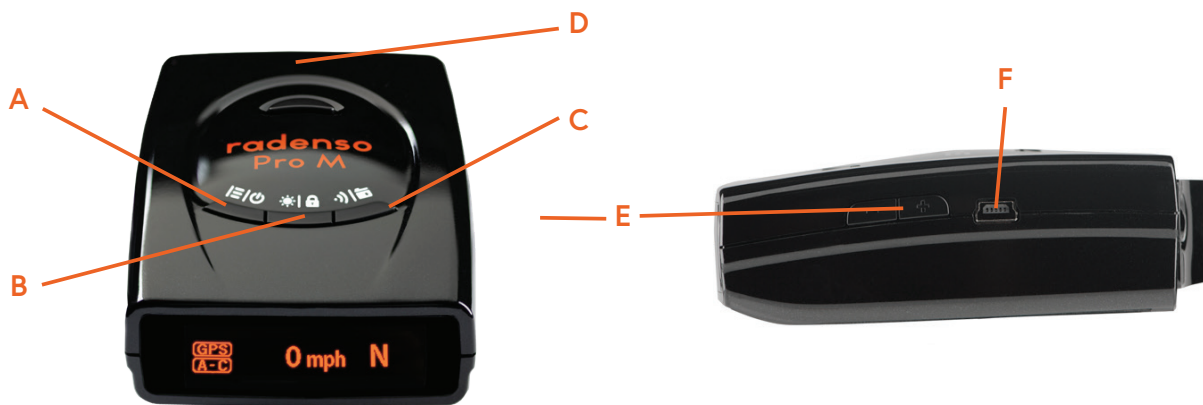
Your Radenso Pro M is now ready to go. If you want to change any of the default settings of your unit, please refer to pages 6-7.

Installation

The Radenso Pro M windshield mount allows a firm and secure installation of the radar detector at the windshield. Locate an area at the windshield that enables an unobtrusive installation with a clear view to the road ahead. For best results, adhere the detector as high as you can.

1. Place the small side of the suction cups into the large hole of the bracket. Slide the suction cup into the small hole to secure them. Push the rubber damper in the small hole in the middle of the bracket.
2. Attach the windshield mount to the desired area of the windshield. Make sure it is in a level position, parallel to the road ahead. To adjust the angle if necessary, gently push or pull the bracket to bend it. **Do not use the detector to bend the bracket.**
3. Insert the windshield mount into the slot at the front of the detector until it is locked in position. For firm and secure adhesion to the windshield, clean the windshield and suction cups before installing.
4. Plug the small end of the power cable into the detector on the left side and the large end into your vehicle's 12V ACC socket.
5. To remove your Radenso Pro M from the windshield, press the release button on the top of the unit and slide the unit off the mount.

Pro M user interface



The Radenso Pro M has an easy to use interface. The unit has four buttons on top and two on the side to make changing settings simple and quick.

A. Power Button

Short Press: (When no radar signal is received): Enter settings menu.
(When radar signal is presently being received): Mutes the volume of the current alert. The next alert will be at default volume.

Long Press: Power on/off

B. Display/Alert Lockout Button

Short Press: Select display brightness (bright, dim, smart dark, dark)

Long Press: GPS Lockout

C. Driving Mode Button

Short Press: Changes current driving mode (Highway, City, or AutoCity)

Long Press: Stores user GPS point of interest

D. Release Button

Press the button and slide the windshield mount until it is locked. Press the button to unlock the mount for removal.

E. Volume Buttons (+/-)

Short Press: Changes the volume of alerts or changes program options when in menu

Long Press: N/A

F. USB Port

Connect USB data cable to update database or firmware through radenso.com/pages/firmware.

menu settings and features

Setting Mode

Description: selects the driving mode

Options: Highway, City, AutoCity

Display Mode

Description: Select what the display should show

Options: Speed/Time, Speed/Voltage, Voltage, Time, Speed, Speed/Compass

Units

Description: Select the unit of speed

Options: English, metric

Alerts

Description: Select alert display

Options: Frequency, bar

Voice

Description: Select voice mode

Options: off, on

Auto Mute

Description: If activated, alert volume will be muted after two seconds

Options: off, on

One Beep

Description: Indicates entering of a locked out area with one beep

Options: off, on

Minimum Speed Sensing Radar

Description: Select the minimum speed to sense radar

Options: off, 10-130 mph

X Band

Description: Activate or deactivate X band

Options: off, on

K Band

Description: Activate / deactivate K band

Options: off, SNarrow, Narrow, Wide

K TS Rej.

Description: Choose between high and low filter option

Options: off, low, high

Ka Band

Description: Activate / deactivate Ka band

Options: off, narrow, wide

Ka Filter

Description: Activate / deactivate K filter to reduce false alerts on Ka band

Options: off, on

Ka POP Band

Description: Activate / deactivate K POP

Options: off, on

Laser Band

Description: Activate / deactivate laser

Options: off, on

menu settings and features

MRCT Band

Description: Activate / deactivate MRCT band

Options: off, narrow, wide

MRCB Band

Description: Activate / deactivate MRCB band

Options: off, narrow, wide

Gatso Band

Description: Activate / deactivate Gatso band

Options: off, on

MR Filter

Description: Activate / deactivate MR filter

Options: off, high, low

Startup Sound

Description: Start up the detector with a tone sequence

Options: off, on

GPS Connected Announcement

Description: Voice announcement when GPS is connected

Options: off, on

GPS detection by database type

Description: via middle button, you can select different types of GPS alert areas. For editing, use +/- buttons on the side. You can toggle each type of alert on and off.

GPS warning distance

Description: Choose how far before you want to be alerted to a point of interest

Options: normal (approximately 800 ft), farther (approximately 1250 ft), farthest (approximately 1650 ft)

Set local time

Description: Set the local time by using the +/- buttons on the side. You can only set the hours, as the minutes will automatically adjust via GPS

Factory Reset

Description: restore the detector to factory settings by pressing the midding button

Delete all user locations

Description: To delete all saved user locations, press the middle button

settings

Setting AutoCity Speed

The AutoCity driving mode allows the setting of minimum alert detection speed for signal suppression and signal filtering resulting in significantly reduced false alerts. Select AutoCity in setting mode.

Setting AutoCity speed (this feature is only selectable if the Pro M is in AutoCity mode): tapping the middle button lets you select the speed for editing.

The left speed setting indicates the speed below which the radar reception of the detector will be disabled. No signals from police radar or false signals will be reported. **The recommended setting is 20 mph.**

The right speed setting indicates the speed below which the detector will detect alerts in City mode with reduced radar sensitivity. **The recommended setting is 35 mph.**

The + / - buttons on the right side of the detector will change the specific setting.

Setting the City and AutoCity sensitivity (this feature is only selectable if the Pro M is in City or AutoCity mode): by means of the **middle button** you can select the radar band for editing.

To change the sensitivity of signal reception use the +/- button on the right side of the unit. The level of signal suppression can be selected between 0-9. The display numbers indicate the sensitivity reduction in the different radar bands.

GPS Lockouts

The detector lets you mark known false alert areas so that you will not receive audio alerts in the future at the marked location.

The detector stores the GPS coordinates and radar band, frequency, and signal strength and compares it each time the signal is received. If the received signal at the lockout location from the saved signal in terms of frequency or signal strength, the detector automatically unmutes and you will be alerted by audio again.

The display will show the band and signal strength and a small "L" icon in front of the radar band letter indicates that the area is locked out. You can either ignore the alert or delete the saved lockout.

To set a GPS lockout press the middle button during an alert for two seconds. The detector will state "lockout started" and will complete the process by stating "false alert area added."

To manually unlock the detector press the middle button for 2 seconds in a locked out area. You can also delete all lockouts in the menu.

troubleshooting

The detector will not turn on.

- Check if the power cable is connected.
- Ensure that the power cable has been switched on at the power plug. Make sure the red light at the power plug is lit.
- Turn on ignition.

The display will not turn on.

- Check if the power cable is connected and turned on.
- Check if the display is set to "dark" mode.

The detector alerts visually but there are no voice or audio alerts.

- The alert volume is turned down. Increase the volume.

The windshield mount does not adhere to the windshield.

- Clean the suction cups and the windshield.

The detector alerts to a signal but no police radar trap can be located.

- The detector could have received a false alert signal from a motion sensor. Lockout the known false alert locations by pressing the middle button during the alert.

The unit suddenly alerts at high intensity while driving on the Interstate although there is no police in sight.

- Speed info traffic sensors are in place along your road. Turn on the Traffic Sensor Rejection filter (TSR) in the menu.

The detector starts alerting with low intensity following another vehicle.

- The vehicle in front of you is equipped with Blind Spot Mirror or Lane Assist feature. Turn on the K band filter.

The detector alerts visually but there are no voice or audio alerts.

- The officer isn't operating radar equipment.
- One or more radar bands have been deactivated. Check in the menu if all radar bands are turned on.
- You may have activated a speed limit in the menu and you were traveling below the set speed limit.
- You activated Speed Meter Mode which disables the radar antenna.

Radenso Pro M never alerts to radar or alarm turns on after passing the radar source.

- Your vehicle may be equipped with a metal coated windshield that prevents the reception of radio waves. **Check with your local dealer.**
- The speed limit setting in the menu has been set above normal traveling speed. Set a lower speed or turn off speed limit setting.

The unit did not alert to a red light or speed camera.

- GPS detection has been turned off in the menu. Turn GPS detection on.
- The location is not yet stored in the database. Check if a database update is available.

The detector alerts to a speed camera or red light camera but no camera can be found.

- The location used to have a speed or red light camera but it was disassembled.
- The camera is located on the other side of the road in the opposite travel direction.
- The camera is not a speed or red light camera.

warranty

One (1) Year Limited Warranty

RADENSO warrants, for one year, to the original retail owner, this RADENSO product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty, to the original user, is valid for 12 months after the date of the original retail sale.

SCOPE OF WARRANTY:

From the date of original consumer purchase and for the respective periods specified above, RADENSO agrees to repair or replace, at its sole expense, all RADENSO brand products purchased directly from RADENSO or from an Authorized RADENSO Dealer, which are defective in material and/or workmanship during ordinary consumer use. Repairs may be completed using new or refurbished parts that meet or exceed RADENSO specifications for new parts. RADENSO, at its sole discretion, may replace a product, with a refurbished or reconditioned unit having comparable features and a limited consumer warranty.

EXCLUSIONS:

IF YOU PURCHASE A RADENSO PRODUCT FROM AN UNAUTHORIZED DEALER, YOUR RADENSO WARRANTY WILL NOT BE VALID.

This Warranty does **not** apply with respect to the following:

1. Defects or damage cause by accident, fire/smoke, flood/water damage, power surge (or related electrical abnormalities), lightning or other acts of nature.
2. Defects or damage caused by abuse, misuse, negligence, accident, unauthorized product modification or service, or failure to observe the instructions.
3. Deterioration/failure due to corrosive atmosphere, including but not limited to; smoke, high humidity, or extreme temperature.
4. Damage caused during shipment or handling.
5. Products purchased from anyone other than RADENSO or an Independent RADENSO Authorized Dealer. If you are uncertain as to whether a dealer is authorized, please contact RADENSO's Customer Service.
6. Products that have had their serial numbers altered or removed.
7. Products purchased in "AS IS" condition or noted as "DEMO", "DISPLAY", "OPEN BOX", or "CLEARANCE".
8. Products that have been altered or repaired by anyone other than RADENSO or a RADENSO authorized service station in a manner that has affected their performance, stability, or reliability.
9. Any product attached to or used with

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the RADENSO product.

10. Packing materials or cosmetic items.
11. Installation and removal of RADENSO products from the vehicle.
12. Maintenance, cleaning or periodic check-ups.

OBTAINING OF WARRANTY SERVICE:

If, after contacting Radenso Customer Service, you are certain that the product is defective, pack the product carefully (preferably in its original packaging) and include evidence of original purchase and a note describing the defect. The product should be shipped freight prepaid, by traceable means, or delivered, to warrantor at:

RADENSO,
1100 Sycamore St. Floor 1
Cincinnati OH 45241

1-888-RADENSO (1-888-723-3676) 9 a.m. to 5 p.m., Eastern Time, Monday through Friday

Operating Frequency

- Ka narrow: 33.80, 34.7, 35.5 GHz (± 120 MHz)
- Ka Wide: 33.4 GHz - 36.0 GHz
- K SNarrow: 24.135GHz (+/- 50 MHz)
- K narrow: 24.1 GHz (± 90 MHz)
- K wide: 24.1 GHz (± 150 MHz)
- X band: 10.525 GHz (± 50 MHz)

FCC Compliance

FCC NOTE

Modifications not expressly approved by the manufacturer could void the user's FCC granted authority to operate the equipment.

FCC ID: 2AEE3RPME

This device 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.

support and contact

Contact Information

Thank you for purchasing the most advanced radar and laser defense in the world. Here at Radenso, we take your support very seriously; if you need support in any capacity please contact us.

Address

noLimits Enterprises
1100 Sycamore Street
Floor 1
Cincinnati, OH 45202

Phone

1-888-RADENSO
(1-888-723-3676)

9AM-5PM EST, Monday - Friday

Email

support@nolimitsenterprises.com

We hope you enjoy your Radenso product for many years!

Regards,

The Radenso Team