



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 detectors 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 8 seconds
- Preloaded GPS Speed and Red Light Camera database

- Unlimited free lifetime updates for redlight/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 allow 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. 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.

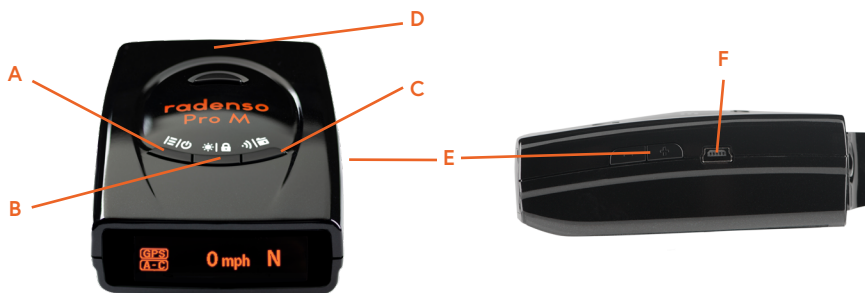
Your Radenso Pro M is now ready to go. If you want to change any of the default settings of your unit, please refer to pages 6-8.

Installation

The Radenso Pro M windshield mount allows a firm and secure installation of the radar detector at the windshield. Locate an area on 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 a 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.

Three Button Mute

While a radar or laser signal is being detected, buttons A, B, or C may be used to mute the alert.

menu settings and features.

Driving Mode

Recommended setting: Auto City

Options: Highway, City, Auto City

Description: Default driving mode when the Pro M is powered up

Auto city speed limit

Recommended setting: 30 mph / 60 mph

Options: Increments of 5mph

Description: Low speed threshold beneath which K and X band signals will automatically mute / High speed threshold past which detector is automatically set to maximum sensitivity

City level

Recommended setting: X 4, K 2, Ka 0

Options: 0-9 for each band

Description: This setting allows the user to individually control sensitivity to each radar band while the detector is in City or Auto City mode. The numbers represent the amount of signal attenuation; 0 is no attenuation, 9 is maximum attenuation

Display Mode

Recommended setting: user preference

Options: speed/time, speed, speed/compass, speed/voltage, voltage, time

Description: Controls what information is shown on the display during regular driving

Units

Recommended setting: user preference

Options: English, metric

Description: Controls what units the Pro M displays in. English will display miles per hour (mph) or feet, and metric will display kilometers per hour (kph) or meters

Alerts

Recommended setting: bar

Options: bar, frequency

Description: Controls whether alerts are displayed with a frequency readout or a bar graphic

Voice

Recommended setting: on

Options: off, on

Description: Enables or disables voice alerts

Auto mute

Recommended setting: on

Options: off, on

Description: After eight seconds of alerting the volume is automatically reduced

X Tone

Recommended setting: User preference

Options: 1-15

Description: Choose the specific tone you hear during an X band alert.

K Tone

Recommended setting: User preference

Options: 1-15

Description: Choose the specific tone you hear during a K band alert.

Ka Tone

Recommended setting: User preference

Options: 1-15

Description: Choose the specific tone you hear during a Ka band alert.

MD Tone

Recommended setting: User preference

Options: 1-15

Description: Choose the specific tone you hear during an MRCD alert.

menu settings and features.

MT Tone

Recommended setting: User preference

Options: 1-15

Description: Choose the specific tone you hear during an MRCT alert.

Gatso Tone

Recommended setting: User preference

Options: 1-15

Description: Choose the specific tone you hear during a Gatso alert.

Laser Tone

Recommended setting: User preference

Options: 1-15

Description: Choose the specific tone you hear during a laser alert.

1-beep

Recommended setting: user preference

Options: off, on

Description: Determines whether or not the detector alerts the user when entering into a previously locked out area. If enabled, the detector will emit a single, notifying beep

Speed (Low Speed Mute)

Recommended setting: 15 mph

Options: off, 0-135mph in increments of 5 mph

Description: Mutes all radar below the set speed

X (X Band)

Recommended setting: on

Options: off, on

Description: X band radar detection enabled or disabled

K (K Band)

Recommended setting: narrow

Options: off, wide, narrow, snarrow

Description: K band radar scanning width

K TS Rej (K Traffic Sensor Rejection Filter)

Recommended setting: high

Options: low, high, off

Description: Filter that reduces K band false alerts from traffic sensors

Ka (Ka Band)

Recommended setting: narrow

Options: off, wide, narrow

Description: Ka band radar scanning width. To enable Ka band segmentation, set option to narrow

Ka 33.8 (Ka Band 33.8 GHz)

Recommended setting: on

Options: off, on

Description: Detection for Ka band frequency 33.8 GHz

Ka 34.3 (Ka Band 34.3 GHz)

Recommended setting: off

Options: off, on

Description: Detection for Ka band frequency 34.3 GHz

Ka 34.7 (Ka Band 34.7 GHz)

Recommended setting: on

Options: off, on

Description: Detection for Ka band frequency 34.7 GHz

Ka 35.5 (Ka Band 35.5 GHz)

Recommended setting: on

Options: off, on

Description: Detection for Ka band frequency 35.5 GHz

Ka Filter (Ka Band Filter)

Recommended setting: on

Options: off, on

Description: Ka band false alert filter level

menu settings and features.

Ka POP (Ka POP Radar)

Recommended setting: off

Options: off, on

Description: Enhances Ka band POP detection

Laser (Laser Detection)

Recommended setting: on

Options: off, on

Description: Enables or disables laser detection

MR CT (MultaRadar CT band)

Recommended setting: off

Options: off, wide, narrow

Description: Enables or disables MultaRadar CT band radar detection.

MR CD (MultaRadar CD band)

Recommended setting: off

Options: off, wide, narrow

Description: Enables or disables MultaRadar CD band radar detection.

Gatso (Gatso Radar)

Recommended setting: off in USA and Canada

Options: off, on

Description: Enables or disables Gatso radar detection.

MR Filter (MultaRadar Filter)

Recommended setting: high

Options: off, low, high

Description: False alert filter level for MRCD, MRCT, and Gatso

Startup Sound

Recommended setting: user preference

Options: off, on

Description: Emits a startup tone upon power on

GPS connect announce

Recommended setting: user preference

Options: off, on

Description: Turns on/off the voice announcement when the Pro M has GPS connected after initial startup

GPS detection speed cam

Recommended setting: on

Options: off, on

Description: Turns on/off the GPS feature of the Pro M. Required to be on to use many other features

GPS warning distance

Recommended setting: normal

Options: normal, farther, farthest

Description: Changes the distance of red light camera, speed camera, and user point alerts. Normal is 800 feet away, Farther is 1200 feet away, Farthest is 1650 feet away

Time

Options: n/a

Description: Allows you to change the time if you have it shown under "Display Mode"

Factory Reset?

Options: Press Brightness button for yes

Description: Changes all settings to Radenso recommended USA settings. Stored GPS lockouts and user points are not deleted

Delete all user locations?

Options: Press Brightness button for yes

Description: Deletes all stored user locations

Delete all false alert areas?

Options: Press Brightness button for yes

Description: Deletes all false alert lockouts

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 differs 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 remove lockout from 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.

I drove by a police officer and did not get an alert.

- 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.

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.

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9. Any product attached to or used with 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 45202

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

Radenso
1100 Sycamore Street
Floor 1
Cincinnati, OH 45202

Phone

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

9AM-5PM EST, Monday - Friday

Email

support@radenso.com

We hope you enjoy your Radenso product for many years!

Regards,

The Radenso Team