Model: ProSeries 200

Ultimate Radar / Laser / Safety Detector

Owner's Manual
The Bel Pro200 is the most advanced radar, laser and safety detector ever designed by Beltronics. The Bel Pro200 includes full X, K, SuperWide Ka, and Safety Warning System radar capability, front and rear laser detection, varactor-tuned (VTO) microwave receiver, digital signal processing (DSP) for superior range and reduced false alarms, our patented Mute and AutoMute, audible and visual band alerts, and all the performance you’d expect from Beltronics.

In addition, the Bel Pro200 introduces the following revolutionary features:
- Varactor-tuned receiver provides long-range protection against all radar threats
- New easy-to-use Programming lets you customize up to 6 features
- New AutoScan mode intelligently reduces unwanted false alarms, plus Highway and City settings
- Ultra-bright text-display provides easy to read information from any angle
- Detects and decodes Safety Warning System messages

Congratulations

Register online:
@ www.beltronics.com

There are 6 user-selectable options so you can customize your Pro200 for your own preferences.

The buttons labeled CITY and BRT are also used to enter the Program Mode, REVIEW your current program settings, and to CHANGE any settings as desired. The words PGM, RWV, and CHG are located on the top of the detector, and are highlighted in graphics.

How to use Programming

1. To enter Program Mode, press and hold both CITY and BRT buttons down for 2 seconds. The unit will beep twice, and will display the word Program.
2. Then press the RWV button to review the current settings. You can either tap the button to change from item to item, or hold the button to scroll through the items.
3. Press the CHG button to change any setting. You can either tap the button to change from setting to setting, or hold the button to scroll through all the options.
4. To leave Program Mode, simply wait 8 seconds without pressing any button. The unit will display Complete, beep, and return to normal operation.

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

An example
Here is how you would turn the Pro200’s AutoMute feature off.

1. Enter the Program Mode by holding both the CITY and BRT buttons down for 2 seconds. The Pro200 will beep twice and display Program.
2. Then hold the RWV button down. Pro200 will scroll through the categories, starting with Display (Pilot), then Voice (Voice), then Power-On sequence (PwrOn), and then AutoMute (aMute).
3. Release the RWV button when the Pro200 shows the AutoMute item. Since the factory setting is for AutoMute to be on, the Pro200 will display aMute ON.
4. If you accidentally don’t release the Review button in time, and the Pro200 goes to the next category, hold the RWV button down again, and after the Pro200 scrolls through all categories, it will begin again at the top of the list.
5. Press the CHG button to change from aMute ON to aMute OFF.

4. To complete the Programming, simply wait 8 seconds without pressing any button. The Pro200 will display Complete, beep 4 times, and return to normal operation.

Factory Default Settings
To reset your Pro200 to its original factory settings, press and hold the “CITY” and “BRT” buttons while turning the power on. The Pro200’s display will provide a Reset message, accompanied by an audible alert, acknowledging the reset.
Quick Reference

Press the RVW button to go from one category to the next

PILOT
(Power-on indication)
- Pilot HWY
- Pilot H

VOICE
- Voice ON
- Voice OFF

POWER-ON SEQUENCE
- PwrOn STD
- PwrOn FST

AUTOMUTE
- aMute ON
- aMute OFF

CITY MODE SENSITIVITY
- City STD
- City LoX
- City NoX

BANDS
- Bands DFT
- Bands MOD

Press the CHG button to change your setting within a category

• Full word: AutoScan or City or Highway Letter A or C or H
• Voice alerts on
• Voice alerts off
• Standard power-on sequence
• Fast power-on sequence
• AutoMute on
• AutoMute off
• Standard City mode sensitivity
• Low X band sensitivity in City Mode
• No X band sensitivity in City Mode
• Factory default settings
• Factory default settings modified

Turn bands “ON” or “OFF” by pressing the VOLUME/MUTE button

- TSR ON or OFF (default is on)
- POP ON or OFF (default is off)
- SWS ON or OFF (default is off)

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* Factory Default Settings
To begin using your Pro200, 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. Mount your Pro200 on the windshield using the supplied windshield mount.

3. Press the PWR button, located top left, to turn the Pro200 on.

4. Press and hold the Volume/Mute button to adjust the volume.

Please read the manual to fully understand your Pro200’s operation and features.
**Power Connection**

To power your Pro200, plug the small end of the power cord, (telephone-type connector) into the modular jack on the Pro200’s right side, and plug the lighter plug adapter into your vehicle’s lighter socket or accessory socket.

Your Pro200 operates on 12 volts DC negative ground only. The lighter plug provided is a standard size and will work in most vehicles. However, some vehicles may require the optional European sleeve to ensure a snug fit. If so, simply call our service department to order one. This sleeve slides over the lighter plug. Of course, your lighter socket must be clean and properly connected for proper operation.

**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.

**Optional power cords**

See the Accessories section for details on our optional SmartCord or Direct-wire power cords. Page 25

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**Mounting Location**

WARNING: Beltronics cannot anticipate the many ways the Pro200 can be mounted. It is important that you mount your Pro200 where it will not impair your view nor present a hazard in case of an accident.

**Where to mount your Pro200**

For optimum detection performance, we recommend the following:

- Using the QuickMount bracket, mount your Pro200 level, and high enough on your front windshield to provide a clear view of the road from the front and rear.
- Mount the Pro200 away from windshield wipers, other solid objects, and heavily tinted areas that might obstruct the radar antenna or laser lens.

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**Windshield QuickMount**

The Pro200’s QuickMount bracket is designed for unobtrusive and hassle-free mounting.

1. Depress the QuickMount button on the top of the Pro200 (by the word BELTRONICS) and slide the QuickMount bracket into the slot until it is locked into the position which best fits the angle of your windshield (there are four settings available). For extremely horizontal or extremely sloped windshields, the QuickMount bracket can be bent.

To ensure that the suction cups adhere to the windshield firmly, be sure to keep both your windshield and the suction cups clean.

2. To adjust the Pro200 on your windshield, use the QuickMount adjustment button located on the top of the Pro200, and slide the Pro200 forward or backward to obtain a level horizontal position.

When installed and adjusted properly, the back top edge of the Pro200 should rest solidly against your windshield.

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**Caution!**

A few vehicles (including some Porsches) have windshields with a soft anti-lacerative coating on the inside surface. Use of suction cups will permanently mar this coating. Consult your dealership or the vehicle owner’s manual to determine if your windshield has this coating.

**User’s Tip**

You can leave the QuickMount bracket in place on your windshield, and easily remove the Pro200 by pressing the adjustment button and sliding the Pro200 off the mount. Again, be sure to position the bracket where it won’t present a hazard in the event of an accident. Additional mounts are available.
Controls and Features

Power
To turn your Pro200 on or off, press the PWR button located on the top. When you turn your Pro200 on, it goes through a sequence of alerts.

If you prefer, you may program your Pro200 for a shorter power-on sequence. See the Programming section for details.

Volume
Press and hold the Volume/Mute button located on the top case to adjust the Pro200’s alert volume level. The audio will ramp up and down, accompanied by a bar-graph on the display. Once you’ve reached your preferred audio level, simply release the button.

Power-on indication
After the Pro200’s start-up sequence is complete, the alphanumeric display will show Highway, AutoScan, or City to indicate which sensitivity mode is selected.

If you prefer, you can select alternate power-on displays. See the Programming section for details.

Voice Alerts
The Pro200 provides digital voice announcements of radar and laser bands detected. If Safety Radar (SWS) is turned on, a safety radar message will also be announced. See the Programming section for details.

If you prefer, you can turn Voice Alerts off. See Programming section for details.

AutoMute
Your Pro200 has our patented AutoMute feature. After the Pro200 alerts you to a radar encounter at the volume you have selected, the AutoMute feature will automatically reduce the volume to a lower level. This keeps you informed without the annoyance of a continuous full-volume alert.

If you prefer, you can turn the AutoMute feature off. See the Programming section for details.

Mute
The Mute button, located on the Pro200’s top case, allows you to silence the audio alert during a radar encounter.

To mute the audio for a single specific signal, briefly press the Mute button. After that radar encounter has passed, the mute will automatically reset and the audio will alert you to the next encounter.

Highway / AutoScan / City Button
The City button selects the Pro200’s sensitivity mode. We recommend the AutoScan mode for most driving.

Your Pro200’s AutoScan mode provides long-range warning, with minimum false alarms. In this mode, the Pro200’s internal computer continuously analyzes all incoming signals and intelligently filters out false alarms.

You can also select conventional Highway and City modes. When driving in urban areas where annoying X-band intrusion alarms and door openers are common, City mode can be engaged to lower X-band sensitivity and reduce X-band alerts. Full sensitivity is maintained on all other bands. You can also customize your Pro200’s City mode sensitivity, including “No X” mode. See the Programming section for details.

Brightness
The Pro200’s BRT button selects the brightness of your Pro200’s display. There are four settings: Maximum, Medium, Minimum, and Dark. Press the BRT button to select your preferred brightness.

Dark Mode
When you select the Dark mode with the BRT switch, your Pro200 changes to a very inconspicuous power-on indication: a very Dim AD, HD, or CD. (In this display, the A, H, or C indicates Auto, Highway, or City, and the D indicates Dark.)

When the Pro200 is in the Dark mode, the display will not show visual alerts when Pro200 detects signals. Only the audible alert will tell you of detected signals.
Controls and Features

Power Connector

The Pro200’s power jack uses a telephone-type connector. This 4-conductor connector only works with the included power cord, optional Direct-wire, or SmartCord.

For more information or to order, call us toll-free at 1-800-341-2288.

Signal Strength Meter

Your Pro200’s alphanumeric display consists of 280 individual LEDs, to provide an intuitive ultra-bright display of signal strength and text messages.

The Pro200’s standard bar-graph signal strength meter only displays information on a single radar signal. If there are multiple signals present, the Pro200’s internal computer determines which is the most important threat to show on the bar-graph meter.

When your Pro200 detects radar, it displays the band (X, K, or Ka), and a precise bar-graph of the signal strength. When your Pro200 detects a laser signal, the display will show “LASER.”

NOTE: If you are operating the Pro200 in the Dark mode, the display will not light when a signal is detected, only the audio will be heard.

Audible Alerts

For Radar signals:

Your Pro200 uses a Geiger-counter-like sound to indicate the signal strength and type of radar signal being encountered.

When you encounter radar, a distinct audible alert will sound and occur faster as the signal gets stronger. This allows you to judge the distance from the signal source without taking your eyes from the road.

Each band has a distinct tone for easy identification.

X-band = chirping
K-band = buzzing
Ka-band = double-chirp
POP = full double-chirp

For Laser and POP signals:

Since laser and POP signals (if turned on) are a possible threat no matter how weak, the Pro200 alerts you to these bands at full strength.

For Safety signals:

Your Pro200 will alert you to these signals with a double-beep tone, and a corresponding text message. A complete listing of the text messages is on page 21.

Programming

There are 6 user-selectable options so you can customize your Pro200 for your own preferences. The buttons labeled CITY and BRT are also used to enter the Program Mode, REVIEW your current program settings, and to CHANGE any settings as desired. The words PGM, RVW, and CHG are located on the top of the detector, and are highlighted in colored graphics. Pages 13-14 explain each option in more detail.

An example

Here is how you would turn your Pro200’s AutoMute feature off.

1 Enter the Program Mode by holding both the CITY and BRT buttons down for 2 seconds. The Pro200 will beep twice and display Program.

2 Then hold the RVW button down. The Pro200 will scroll through the categories, starting with Pilot (Pilot), Voice (Voice), Power-on sequence (PwrOn), and then AutoMute (aMute).

3 Release the RVW button when the Pro200 shows the AutoMute item. Since the factory setting is for AutoMute to be on, the Pro200 will display aMute ON.

If you accidentally don’t release the RVW button in time, and the Pro200 goes to the next category, hold the RVW button down again, and after your Pro200 scrolls through all categories, it will begin again at the top of the list.

4 Press the CHG button to change from aMute ON to aMute OFF.

5 To complete the Programming, simply wait 8 seconds without pressing any button, or press the PWR button. The Pro200 will display Complete, beep 4 times, and return to normal operation.

How to use Programming

1 To enter Program Mode, press and hold both the CITY and BRT buttons down for 2 seconds. The unit will beep twice, and will display the word Program.

2 Then press the RVW button to review the current settings. You can either tap the button to change from item to item, or hold the button to scroll through the items.

3 Press the CHG button to change any setting. You can either tap the button to change from setting to setting, or hold the button to scroll through all the options.

4 To leave the Program Mode, simply wait 8 seconds without pressing any button, or press the PWR button. The unit will display Complete, beep 4 times, and return to normal operation.

An example

Here is how you would turn your Pro200’s AutoMute feature off.

1 Enter the Program Mode by holding both the CITY and BRT buttons down for 2 seconds. The Pro200 will beep twice and display Program.

2 Then hold the RVW button down. The Pro200 will scroll through the categories, starting with Pilot (Pilot), Voice (Voice), Power-on sequence (PwrOn), and then AutoMute (aMute).

3 Release the RVW button when the Pro200 shows the AutoMute item. Since the factory setting is for AutoMute to be on, the Pro200 will display aMute ON.

If you accidentally don’t release the RVW button in time, and the Pro200 goes to the next category, hold the RVW button down again, and after your Pro200 scrolls through all categories, it will begin again at the top of the list.

4 Press the CHG button to change from aMute ON to aMute OFF.

5 To complete the Programming, simply wait 8 seconds without pressing any button, or press the PWR button. The Pro200 will display Complete, beep 4 times, and return to normal operation.
Overview of Programming

Press the REVIEW button to go from one category to the next.

PILOT
(Power-on indication)
- Pilot HWY
- Pilot H

VOICE
- Voice ON
- Voice OFF

POWER-ON SEQUENCE
- PwrOn STD
- PwrOn FST

AUTOMUTE
- aMute ON
- aMute OFF

CITY MODE SENSITIVITY
- City STD
- City LoX
- City NoX

BANDS
- Bands DFT
- Bands MOD

* Full word: Highway or AutoScan or City
  Letter: H or A or C

* Voice alerts on
  Voice alerts off

* Standard power-on sequence
  Fast power-on sequence

* AutoMute on
  AutoMute off

* Standard City mode sensitivity
  Low X band sensitivity in City Mode
  No X band sensitivity in City Mode

Turn bands “ON” or “OFF” by pressing the VOLUME/MUTE button
- POP ON or OFF (default is off)
- SWS ON or OFF (default is off)
- TSR ON or OFF (default is on)

Press the CHANGE button to change your setting within a category.

Details of Programming

Pilot (Power-on indication)

NOTE: When you are using the Dark mode, the display will only show HD, AD, or CD (Highway-Dark, AutoScan-Dark, or City-Dark).

Pilot HWY (Full description)
In this setting, your Pro200 will display “Highway,” “City,” or “AutoScan” as its power-on indication. (factory default)

Pilot H (Letter)
In this setting, your Pro200 will display “H” for Highway, “C” for City, and “A” for AutoScan.

Voice
- Voice On (Voice announcements on)
  In this setting, all radar, laser, and SWS messages (if programmed) will be announced using a digital voice.
- Voice Off (Voice announcements off)
  In this setting, only the distinct audio tone will be heard when a radar, Laser, or SWS message is detected.

Power-on Sequence

PwrOnSTD (Standard)
In this setting, each time you turn on your Pro200, it will display “Pro200,” “Laser,” “K-band,” “X-band,” “Safety,” followed by a brief X-band alert. (factory default)

If any bands have been changed from the factory default settings, a double X-band tone and corresponding message (i.e. “SWS ON”), will alert you that one or more bands have been changed.

PwrOnFST (Fast power-on)
In this setting, your Pro200 will provide a single X-band tone. If any bands have been changed from the factory default settings, a double X-band tone and corresponding message (i.e. “SWS ON”), will alert you that one or more bands have been changed.

AutoMute
- aMute ON (AutoMute on)
  In this setting, your Pro200’s audio alerts will initially be at the volume you set, but after a few seconds, the Pro200 will automatically reduce the volume level, to keep you informed, but not annoyed. (factory default)
- aMute OFF (AutoMute off)
  With AutoMute off, your Pro200’s audio alerts will remain at the volume you set for the duration of the radar encounter.

* Factory Default Settings
To reset your Pro200 to its original factory settings, press and hold the “CITY” and “BRT” buttons while turning the power on. The Pro200’s display will provide a Reset message, accompanied by an audible alert, acknowledging the reset.
City Mode Sensitivity

City STD (Standard)
In this setting, when you put your Pro200 in the City mode, X-band sensitivity is significantly reduced, to reduce annoyance from X-band intrusion alarms and motion sensors. (factory default)

City LoX (Low X band sensitivity)
In this setting, when you put your Pro200 in the City mode, X-band sensitivity is reduced more than the standard setting. This will reduce X-band alarms from other sources even further, but also significantly reduces range to X-band traffic radar.

City NoX (No X-band sensitivity)
In this setting, when you put your Pro200 in the City mode, Pro200 will not respond to any X-band signals.

WARNING: Only choose this setting if you are absolutely certain that there are no X-band traffic radar units where you drive.

NOTE: These settings only apply when the Pro200 is operated in City mode. X-band sensitivity is not affected when used in “AutoScan” or “Highway” modes.

Bands

Bands DET
In this setting, all North American radar and laser frequencies are monitored. This is the factory setting and it is recommended that you use your Pro200 in this mode.

Bands MOD
In this setting, your Pro200 will warn you with an audible alert, and associated text message stating which band has changed from the original factory setting (i.e. “SWS ON”). This warning is displayed during the start up sequence (standard or fast).

Features and Specifications

Operating Bands
- X-band: 10.525 GHz ± 25 MHz
- K-band: 24.150 GHz ± 100 MHz
- Ka-band: 34.700 GHz ± 1300 MHz
- Laser: 904nm, 33 MHz bandwidth

Radar Receiver / Detector Type
- Superheterodyne, VTO
- Scanning Frequency Discriminator
- Digital Signal Processing (DSP)

Laser Detection
- Quantum Limited Video Receiver
- Multiple Laser Sensor Diodes

Display Type
- 280 LED Alphanumeric
- Bar Graph
- 3 Levels of Brightness, plus Dark Mode

Power Requirement
- 12VDC, Negative Ground
- Power cord (included)

Programmable Features
- Power-On Indication
- Voice Alerts
- Power-On Sequence
- AutoMute
- City Mode Sensitivity
- Bands

Technical Details

Sensitivity Control
- Highway, AutoScan and City

Auto Calibration Circuitry

Dimensions (Inches)
- 1.25 H x 2.75 W x 4.75 L
Interpreting Alerts
Although the Pro200 has a comprehensive warning system and this handbook is as complete as we can make it, only experience will teach you what to expect from your Pro200 and how to interpret what it tells you. The specific type of radar being used, the type of transmission (continuous or instant-on) and the location of the radar source affect the radar alerts you receive.

The following examples will give you an introduction to understanding the your Pro200’s warning system for radar, laser and safety alerts.

**Alert**

- **The Pro200 begins to sound slowly, then the rate of alert increases.** The Signal Meter ramps accordingly.
- **The Pro200 emits short alerts for a few seconds and then falls silent only to briefly alert and fall silent again.**
- **The Pro200 suddenly sounds a continuous tone for the appropriate band received.** All segments in the Signal Strength Meter are lit.
- **A brief laser alert.**
- **The Pro200 receives weak signals.** These signals may be a little stronger as you pass large, roadside objects. The signals increase in frequency.

**Explanation**

- **You are approaching a continuous radar source aimed in your direction.**
- **An instant-on radar source is being used ahead of you and out of your view.**
- **An instant-on radar source or laser source is being used nearby.** This kind of alert requires immediate attention!
- **Laser is being used in the area.** Because laser is inherently difficult to detect, any laser alert may indicate a source very close by.
- **A moving patrol car with continuous radar is overtaking you from behind.** Because these signals are reflected (reflections are increased by large objects), they may or may not eventually melt into a solid point even when the patrol car is directly behind you.

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CAUTION: Since the characteristics of these alerts may be similar to some of the preceding examples, overconfidence in an unfamiliar area can be dangerous. Likewise, if an alert in a commonly traveled area is suddenly stronger or on a different band than usual, speed radar may be set up nearby.
Technical Details

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 radar, your Pro200 will occasionally receive non-police radar signals. Since these 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 Pro200’s radar detection abilities are fully operational.

How “POP” Works
“POP” mode is a relatively new feature for radar gun manufacturers. It works by transmitting an extremely short burst, within the allocated band, to identify speeding vehicles in traffic. Once the target is identified, or “POPPED,” the gun is then turned to its normal operating mode to provide a vehicle tracking history, (required by law).

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 energy 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 given 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 does 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 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 is 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.
Technical Details

How Safety Radar Works
Safety Warning System, or SWS, uses a modified K-band radar signal. The SWS safety radar system has 64 possible messages (60 currently allocated). The SWS messages your Pro200 can display are listed on the facing page.

From the factory, your Pro200 is programmed with SWS decoding OFF. If SWS is used in your area, your Pro200 will display the safety messages associated with the signal. If you wish to detect this system, use the Programming feature to turn the Pro200’s SWS decoding ON.

NOTE: Some of the safety messages have been condensed, so that each message can be displayed on one or two screens on the Pro200’s eight-character display.

TSR Traffic Signal Rejection Software
Your radar detector includes a new optional boost in anti-falsing software to eliminate excessive alerts from erroneous X and K-band sources. One example of this is traffic flow monitoring systems. These systems, which are becoming more widely used in several countries, generate K-band signals to measure the flow of traffic on a given road. Unfortunately most detectors see this as a real threat and will alert you to it unnecessarily. Our new proprietary software (TSR), intelligently sorts, ranks and rejects this type of false alarm automatically. The result is ultimate protection without excessive false alarms.

TSR is a programmable option that is defaulted ‘On’ in the bands settings.

If you have any questions about this new feature, please give us a call or visit our website for more details.

SWS Text Messages

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<td>3 Bridge Closed Ahead/Follow Detour</td>
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<td>4 Highway Work Crews Ahead</td>
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<td>5 Utility Work Crews Ahead</td>
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<tr>
<td>6 All Traffic Follow Detour Ahead</td>
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<td>7 All Trucks Follow Detour Ahead</td>
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<td>8 All Traffic Exit Ahead</td>
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<td>9 Right Lane Closed Ahead</td>
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<td>10 Center Lane Closed Ahead</td>
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<td>11 Left Lane Closed Ahead</td>
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| 47 Inspection Station Closed |
| 48 Reduced Speed Area Ahead |
| 49 Speed Limit Enforced |
| 50 Hazardous Materials Exit Ahead |
| 51 Congestion Ahead/Expect Delay |
| 52 Expect 10 Minute Delay |
| 53 Expect 20 Minute Delay |
| 54 Expect 30 Minute Delay |
| 55 Expect 1 Hour Delay |
| 56 Traffic Alert/Tune AM Radio |
| 57 Pay Toll Ahead |
| 58 Trucks Exit Right |
| 59 Trucks Exit Left |
| 60 For future use |

| Fast/Slow Moving Vehicles |
| 61 Emergency Vehicle In Transit |
| 62 Police In Pursuit |
| 63 Oversize Vehicle In Transit |
| 64 Slow Moving Vehicle |
### Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Pro200 beeps briefly at the same location every day, but no radar source is in sight.</td>
<td>• An X or K-band motion sensor or intrusion alarm is located within range of your route. With time, you will learn predictable patterns of these signals.</td>
</tr>
</tbody>
</table>
| The Pro200 does not seem sensitive to radar or laser.                 | • Make sure that windshield wipers do not block your Pro200's radar antenna and that the laser lens is not behind tinted areas.  
  • Determine if your vehicle has an Instaclear®, ElectriClear® or solar reflective windshield which may deflect radar or laser signals.  
  • Your Pro200 may be in City Mode.                                                                                                                                                                                                                      |
| The Pro200 did not alert when a police car was in view.                | • VASCAR (Visual Average Speed Computer and Recorder) a stopwatch method of speed detection, may be in use.  
  • Officer may not have radar or laser unit turned on.                                                                                                                                                                                                     |
| The Pro200 did not provide a Safety signal while within range of an emergency vehicle. | • Safety transmitters may not be commonly used in your area.                                                                                                                                                                                                                                                                                 |
| The Pro200’s display is not working.                                  | • Press the BRT button to deactivate Dark Mode.                                                                                                                                                                                                                                                                                             |
| The Pro200’s audible alerts are less load after the first few alerts.  | • The Pro200 is in AutoMute Mode. See page 8 for details.                                                                                                                                                                                                                     |
| The Pro200 bounces or sags on windshield.                             | • The Pro200 is not making contact with the windshield to provide stability. While holding down the Pro200’s QuickMount button, slide the Pro200 toward the windshield so that the back top edge makes firm contact.                                                                                                                                  |
| The Pro200’s power-on sequence reoccurs while you are driving.        | • A loose power connection or dirty lighter socket can cause the Pro200 to be briefly disconnected.                                                                                                                                                                                                                                     |

### Problem

Your 14-year old son has changed all 6 of the Programming options.

### Solution

• You can return all of the programming options to the factory defaults by holding down the CITY and BRT buttons while you turn the Pro200 on.

The Pro200 will not turn on.

• Check that the power is ON.
• Check that vehicle ignition is ON.
• Check that vehicle lighter socket is functional.
• Try the Pro200 in another vehicle.

The Pro200 feels very warm.

• It is normal for the Pro200 to feel warm.

### Explanation of Displays

| AD | Sensitivity control is in AutoScan mode, display is in Dark mode (page 9) |
| HD | Sensitivity control is in Highway mode, display is in Dark mode (page 9) |
| CD | Sensitivity control is in City mode, display is in Dark mode (page 9) |

| No display | The Pro200 is in the Dark mode (page 9) |

| PilotHWY | One of the many programming messages (pages 11-14) |
| WorkZone | One of the many Safety Radar messages (pages 20-21) |

| Caution | The Pro200 has detected a Safety Radar Signal, but the signal isn’t yet strong enough to decode the specific safety message (page 20-21) |

| Self Cal | The Pro200 is running a self-calibration test |

| Service Required | The Pro200 has failed the calibration test. Contact Beltronics for repair |
Service Procedure
If your Pro200 ever needs service, please follow these simple steps:

1. Check the troubleshooting section of this manual. It may have a solution to your problem.

2. Call us at 1-800-341-2288. We may be able to solve your problem over the phone. If the problem requires that you send your Pro200 to the factory for repair, we will provide you with a Service Order Number, which must be included on the outside of your shipping box.

Enclose the following information with your Pro200:
• Your Service Order Number
• Your name and return address
• Your daytime telephone number
• A description of the problem you are experiencing
• Copy of original purchase receipt

Out Of Warranty Repairs
For out of warranty repairs, include prepayment in the amount you were quoted by the Beltronics Customer Service Representative. If the detector has been damaged, abused or modified, the repair cost will be calculated on a parts and labor basis. If it exceeds the basic repair charge, you will be contacted with a quotation. If the additional payment is not received within 30 days (or if you notify us that you choose not to have your Pro200 repaired at the price quoted), your Pro200 will be returned, without repair. Payment can be made by check, money order, or credit card.

Ship your Pro200 and power cord to:
BELTRONICS
Customer Service Department
Service Order Number ______________
5442 West Chester Road
West Chester OH 45069

For your own protection, we recommend that you ship your Pro200 postpaid and insured. Insist on a proof of delivery, and keep the receipt until the return of your Pro200.

Beltronics Extended Service Plan
Beltronics offers an optional extended service plan. Call Beltronics for details at 1-800-341-2288

Warranty and Accessories

BELTRONICS One Year Limited Warranty
What this warranty covers: BELTRONICS warrants your Product against all defects in materials and workmanship.
For how long: One (1) year from the date of the original purchase.
What we will do: BELTRONICS, at our discretion, will either repair or replace your Product free of charge.
What we will not do: BELTRONICS will not pay shipping charges that you incur for sending your product to us.
What you must do to maintain this warranty: Show original proof of purchase from an authorized BELTRONICS dealer.
Warranty Exclusions: Warranty does not apply to your product under any of the following conditions: 1. The serial number has been removed or modified. 2. Your product has been subjected to misuse or damage (including water damage, physical abuse, and/or improper installation). 3. Your product has been modified in any way. 4. Your receipt or proof-of-purchase is from a non-authorized dealer or internet auction site including Ebay, U-bid, or other non-authorized resellers.
To obtain service: 1. Contact BELTRONICS (1-800-341-2286) to obtain a Return Authorization number. 2. Properly pack your product and include: your name, complete return address, written description of the problem with your product, daytime telephone number, and a copy of the original purchase receipt. 3. Label the outside of the package clearly with your Return Authorization number. Ship the product pre-paid (insured, for your protection) to: Beltronics Inc, 5442 West Chester Rd., West Chester, OH 45069.

LIMITATION OF WARRANTY: EXCEPT AS EXPRESSLY PROVIDED HEREIN, YOU ARE ACQUIRING THE PRODUCT “AS IS” AND “WHERE IS,” WITHOUT REPRESENTATION OR WARRANTY. BELTRONICS SPECIFICALLY DISCLAIMS ANY REPRESENTATION OR WARRANTY INCLUDING, BUT NOT LIMITED TO THOSE CONCERNING THE MERCHANTABILITY AND SUITABILITY OF THE PRODUCT FOR A PARTICULAR PURPOSE. BELTRONICS SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES ARISING OUT OF THE USE, MISUSE OR MOUNTING OF THE PRODUCT. The above limitations or exclusions shall be limited to the extent they violate the laws of any particular state. BELTRONICS is not responsible for products lost in shipment between the owner and our service center. Other legal rights: This Warranty gives you specific rights. You may have other legal rights, which vary, from state to state.

Accessories
The following accessories and replacement parts are available for BEL Pro200:

Coiled SmartCord $29.95
Direct-wire SmartCord $29.95
Standard Coiled Power Cord $14.95
Direct-wire Power Cord $14.95
Zippered Travel Case $14.95
Detector Accessory Kit $14.95
Windshield Suction Cups Mount $9.95

Features, specifications and prices are subject to change without notice.