

BELTRONICS™

BELTRONICS™

Owner's Manual



BELTRONICS INCORPORATED
5442 West Chester Road
West Chester Ohio
45069 USA

USA 800-341-2288
www.beltronics.com

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Designed and Manufactured in Canada
Features and specifications are prices subject to change without notice.
Other Patents Pending.
Model: E795

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R A D A R • L A S E R D E T E C T O R

Express 795

CONGRATULATIONS!

The BEL Express 795 is a value-priced radar and laser detector, with all the performance you'd expect from BELTRONICS - the technology leader.

The Express 795 includes outstanding performance against all X, K, SuperWide Ka, radar and laser guns, Digital Signal Processing (DSP) for increased range and reduced false alarms, and is packed with these user-friendly features:

- Digital Power On/Off
- Power-On Indicator
- City Mode Indicator
- Separate X/K/Ka LED band indicators
- 4-LED Signal Strength Meter
- Unique audible tones for each band
- Digital Brightness Control
- Auto and Manual Mute
- Modular Power Cord

In order to get the most out of your Express 795, please read the entire owner's manual. Please drive safely.

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

ADVANCED FEATURES

- **Super Wideband Ka-band detection:** Digital sweep circuits cover the entire bandwidth- 33.4 to 36.0 GHz.
- **VG-2 Guard®:** Alerts to the presence of the RDD (Radar Detector Detector). Note: Express 795 is factory shipped with this feature OFF.
 - To activate VG-2 Guard®, press CITY and BRT buttons when the unit is ON. The Ka indicator will illuminate coupled with the flashing of the first red signal strength LED.
 - Press the VOLUME/MUTE button to engage/disengage the VG-2 Guard® feature.
 - Press the PWR button to exit this mode, and Express 795 will be ON.
 - An encounter with the Interceptor VG-2 will trigger a unique audio tone, and the illumination of the first red signal strength LED followed by the fourth red signal strength LED. This type of audio/visual alert confirms traffic is being monitored. Your Express 795 will not be detecting radar or laser during this alert pattern. When the alert is over, your unit resumes scanning for radar and laser.

Note: Activate VG-2 Guard only when Interceptor VG-2 is known to be in use.

- **Total Tracking Laser™ (TTL™):** Multiple laser sensors provide optimum performance and the widest “field-of-view”.
1. **PWR Button:** Press this button to turn the detector on/off (see page 7).
 2. **Power-on Indicator:** A single green LED illuminates to indicate the detector is receiving power.
 3. **CITY Button:** Press this button to activate City Mode. Press it a second time to deactivate it. (See page 0).

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4. **City Mode Indicator:** A single green LED illuminates when the City Mode filter mode is activated. (See page 0)
5. **BRT Button:** Press this button once to dim the Band Indicator, Power-On, City, and Signal Strength LEDs. Dark Mode is accessed by pressing it a second time. In Dark Mode, the Band Indicator, City and Signal Strength LEDs will be off. The Power-On indicator will be changed to a very dim state. Audio alerts are not affected (see page 0).
6. **X/K/Ka Visual Indicators:** There are separate visual indicators (LEDs) for X, K and Ka band radar.
7. **Radar Signal Strength:** Relative signal strength for all radar signals is displayed by four red LEDs. These red LEDs ramp left to right as you get closer to the radar source.
8. **Laser Alert:** When a Laser signal is detected, all of the radar LED indicators (X/K/Ka) will illuminate, in conjunction with the flashing of the 4 red signal strength LEDs in an alternating pattern (outer two LEDs followed by the inner two LEDs).

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9. **VOLUME/MUTE Button:** Press and hold this button to adjust the audio alert level. During an alert, press this button to Mute the audio for that specific signal. (see page 0).
10. **Power Jack:** Plug the modular end of the power cord into this jack. The detector operates on 12v DC (negative ground only).
11. **Radar Antenna and Laser Lens:** The rear panel of your detector should have a clear view of the road ahead. For best results, do not mount Express 795 behind the windshield wipers or tinted areas.
12. **Rear Laser Port:** Receives laser signals from behind the vehicle.
13. **Audio Alert Speaker:** Emits separate audio tones for X, K, Ka, Instant-On/ Pulsed radar and laser.

OPERATION

A start-up sequence occurs each time you turn on Express 795 and consists of:

1. The power-on LED indicator will illuminate.
2. The laser band indicators illuminate, coupled with the alternate flashing of the 4 red signal strength LEDs (outer two LEDs followed by inner two LEDs). A distinct audio tone (high-pitched beeping) will also be heard.
3. The Ka band LED indicator illuminates and the Ka band audible alert tone (double chirp) is heard.
4. The K band LED indicator illuminates and the K band audible alert tone (buzz) is heard.
5. The X-band LED indicator illuminates and the X-band audible alert tone (chirp) is heard.

RESET TO FACTORY SETTINGS

You can reset the detector to its factory default settings for Volume, Brightness, Mute, City and selectable features by following these steps:

1. Plug the cord into the vehicles lighter socket.
2. Turn the detector off (if on) using the PWR button
3. Press and hold the CITY and BRT buttons.
4. While holding the CITY and BRT buttons down, press the PWR button to turn the detector back on.
5. If done correctly, the detector will power-on, and two “beeps” will be heard, confirming that the factory default settings are now reset.

MEMORY RETENTION FOR PREFERRED SETTINGS

There is no need to reset your preferred settings every time you turn the detector on. Your settings for volume level, brightness, and city mode will be stored in the detectors’ memory.

Note: Regardless of the brightness setting, all LEDs will fully illuminate during the start-up test sequence. This provides a visual confirmation that the display is working.

SETTING THE AUDIO LEVEL

VOLUME/MUTE Button

Press and hold the VOLUME/MUTE button to change the audio level. An initial “beep” will sound, followed by the decreasing audio. Release the button and press and hold a second time to increase the volume level. Whenever the audio level is changed, the 4 red LEDs on the signal meter will provide a visual reference.

MUTE

The MUTE button allows you to silence the audio during an alert. To mute the audio for a single alert, briefly press the VOLUME/MUTE button during that alert. After that radar signal has passed, the mute will automatically reset and the audio level will alert you to the next signal at the volume you have set.

AutoMute

After the Express 795 alerts you to a radar encounter at the volume you have selected, the AutoMute feature will automatically reduce it to a lower level of audio (factory default). This keeps you informed without the annoyance of a continuous full-volume alert.

To deactivate AutoMute, simply press the VOLUME/MUTE button without a signal present. A double beep tone will acknowledge the change. To activate AutoMute, simply press VOLUME/MUTE again without a signal present and a single “beep” will acknowledge the change.

AUDIO ALERTS

Radar

Each radar band has a distinct tone for easy identification.

X-band = chirping tone
K-band = buzzing tone
Ka-band = double chirp tone

Laser

Since laser alerts are always an immediate threat, the E795 alerts you to all laser signals with a full laser alert.

Instant On

When an “instant on” radar signal is detected, the Express 795 will emit a continuous band “beep” accompanied by all of the signal strength LEDs flashing. This will be followed by the specific radar band tone and LED indicators.

CONTROLS AND FEATURES

Brightness (BRT) Button

This button allows you to select either “bright”, “dim” or a full “dark” modes. To dim all LEDs on the display, press the BRT button once. This reduces the brightness by approximately one half.

To put the detector into “dark” mode, simply press the BRT button once again.

Note: The green power (P) indicator remains dim to indicate that the detector is on.

Each time you press the BRT button, an audible confirmation should be heard. If you do not hear this audible confirmation, check the volume level on the detector, it may be too low.

To return to full brightness, simply press the BRT button a third time.

CITY Button

The City mode filters out unwanted radar signals including intrusion alarms, motions sensors, and automatic door openers. These types of signals are typically found in congested urban areas.

To activate City mode, simply press the CITY button once. A single “beep” will be heard, and the LED marked “C” will illuminate. In this mode, low level signals will still be seen

visually on the display. However, no audio will be heard until the signal strength reaches a predetermined level or threshold.

To deactivate City mode, press the CITY button again. A double “beep” will be heard, and the green LED marked “C” will turn off.

Note: City mode has no effect on the sensitivity or reception of laser signals.

INSTALLATION

Mounting Location

WARNING: BELTRONICS cannot anticipate the many ways the E795 can be mounted. It is important that you mount the E795 where it will not impair your view nor present a hazard in case of an accident.

Mounting Express 795

For optimum performance, we recommend the following:

- Using the QuickMount windshield bracket, mount your E795 level and high enough on your front windshield to provide a clear view of the road from the front and rear.
- Mount Express 795 away from windshield wipers, other solid objects, and heavily tinted areas that might obstruct the radar antenna or laser lens.

QuickMount windshield bracket

The QuickMount windshield bracket is designed for unobtrusive and hassle-free mounting. To install the Express 795 using the QuickMount windshield bracket, follow these steps:

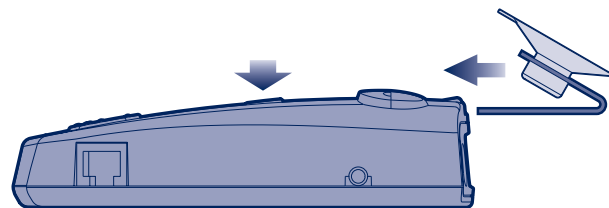
1. Depress the adjustment button on the top of unit (by the word BELTRONICS) and slide the QuickMount bracket into the slot until it is locked into the position which best fits the angle of your windshield (there are four settings available). For extreme horizontal or sloped windshields, the QuickMount 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 unit on your windshield, use the QuickMount adjustment button located on the top of the E795, and slide E795 forward or backward to obtain a level position.

When installed and adjusted properly, the back top edge of E795 should rest solidly against your windshield.

Caution! A few vehicles (including some German manufactured vehicles) 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 windshield bracket in place on your windshield, and easily remove your unit by pressing the adjustment button and sliding the detector off the mount. Again, be sure to position the bracket where it won't present a hazard in the event of an accident.

IMPORTANT INFORMATION

Note: Use of the unit on cars equipped with the optional Instaclear® and ElectriClear® windshields is to be avoided entirely. These "heated windshields" reflect radar signals and make any dash, visor or windshield mounted detector ineffective.

Power Connection

To power Express 795, plug the small end of the power cord, (telephone-type connector) into the modular jack on the detector's right side; plug the lighter plug adapter into your vehicle's lighter socket or accessory socket.

Express 795 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 power cord's lighter plug adapter. 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

Visit our website at www.beltronics.com for other power cord options.

CARE OF YOUR DETECTOR

1. Avoid placing the EXPRESS 795 in direct sunlight. The summertime temperatures of an enclosed vehicle may reach extremes that can cause premature aging of the unit.
2. Avoid exposure to water. The detector is not waterproof.

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Instaclear® is a registered trademark of the Ford Motor Company.
ElectriClear® is a registered trademark of Libbey, Owens, Ford, and Delco-Remy

3. Always use reasonable care when transporting your unit from one vehicle to another.

TROUBLESHOOTING GUIDE

If your unit is not receiving power, or not operating correctly, please refer to the outline below:

Problem	Possible Cause	Corrective Procedure
Unit Not receiving power	Plug not properly inserted	Reinsert plug and rotate
	Lighter socket not clean and Negatively grounded	Consult your car dealer
	Fuse or electrical wiring for Lighter socket defective	Consult your car dealer
Poor Detection Range	Antenna/Lens opening partially Blocked	Reposition unit with unobstructed view of Road ahead
Partial or No Display	Dim or dark modes engaged	Disengage dim/dark modes
Detector feels "warm"		It is normal for the detector to feel warm during operation

SERVICE PROCEDURES

If the Express 795 ever needs service, please follow these simple steps:

1. Check the troubleshooting section of this manual. It may have a solution.
2. Call the BELTRONIC S customer service 800-341-2288 department; we may solve your problem over the phone or ask that you send your unit to the factory for repair. BELTRONICS will provide you with a Service Order Number which must be included on the outside of your shipping carton.
 - Please enclose the following:
 - Your Service Order Number
 - Your name and return address
 - Your daytime telephone number
 - A description of the problem you are experiencing

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OUT OF WARRANTY REPAIRS

For an out of warranty repair, 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 detector repaired at the price quoted), your detector will be returned, without repair. Payment can be made by check, money order, or credit card.

Ship Express 795 and all accessories 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 Express 795 postpaid and insured. Insist on a proof of delivery, and keep the receipt until the return of your detector.

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 E-bay, U-bid, or other non-authorized resellers.

To obtain service: 1. Contact BELTRONICS (1-800-341-2288) 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.

BELTRONICS EXTENDED SERVICE PLAN

BELTRONICS offers an optional extended service plan. Contact BELTRONICS for details (1-800-341-2288).