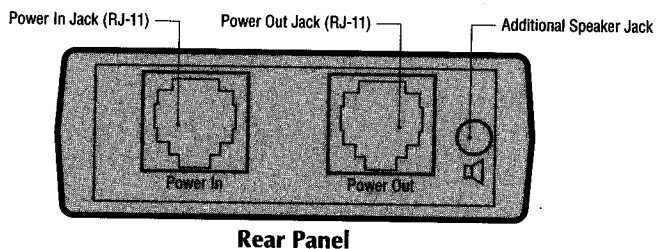
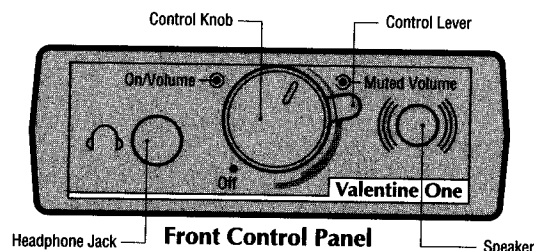


Remote Audio Adapter

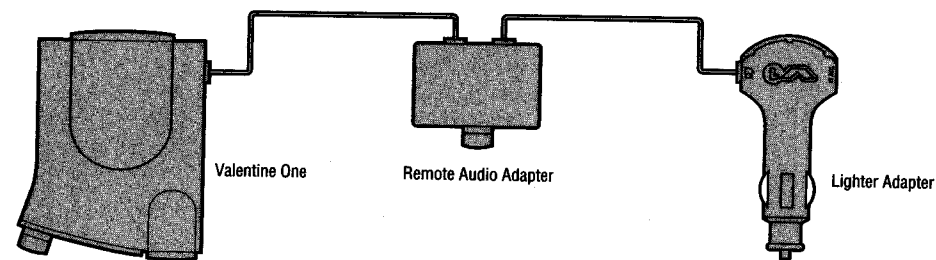
This module adapts Valentine One for the following installations:

- Provides remote control of on/off, volume, muted volume, muting, and computer mode.
- Provides remote speaker.
- Provides headphone mini jack 3.5mm (1/8").
- Provides micro jack 2.5mm (3/32") for additional remote speaker.

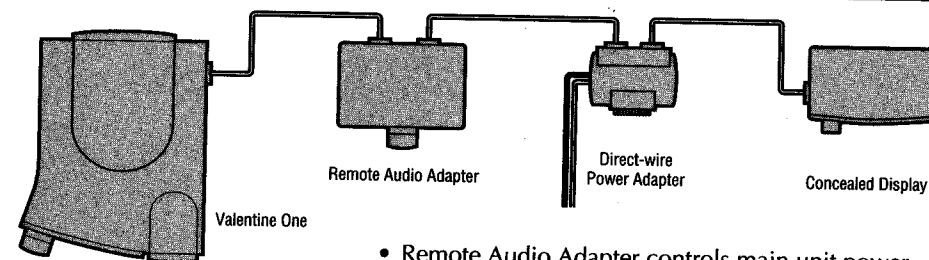


Dimensions: 0.87-in. H x 2.45-in. W x 2.00-in. D

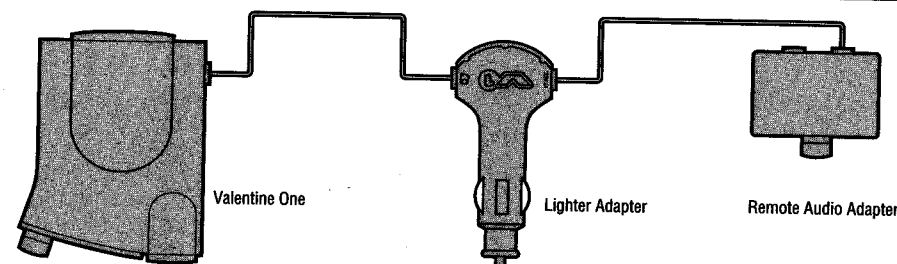
Install according to one of the following diagrams:



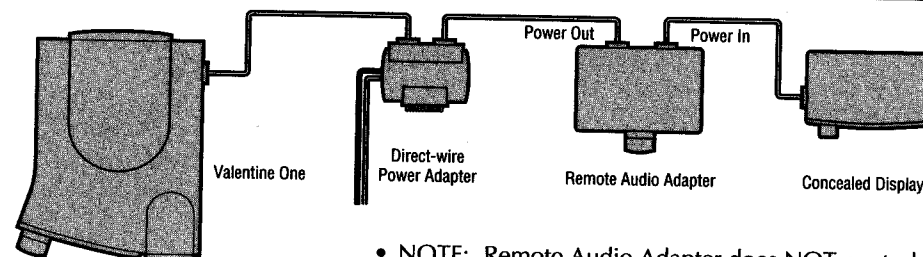
- Remote Audio Adapter controls main unit power.



- Remote Audio Adapter controls main unit power.



- NOTE: Remote Audio Adapter does NOT control power to the main unit.



- NOTE: Remote Audio Adapter does NOT control power to the main unit; but it will turn the Concealed Display off and on.

Laser Warning

How To Mount

Follow mounting instructions on pages 16-17. Laser Warning requires more care in mounting. Remember that laser is infrared light, and the light path to Valentine One could be blocked by certain materials that are transparent to radar. Consider:

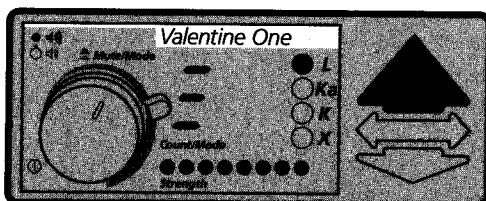
1. Important: position Valentine One so that it's level and pointed straight ahead.
2. Avoid locations blocked by wipers or windshield stickers. Make sure glass is clean.
3. Some windshields have a dark tint band across the top. Avoid mounting behind that band.

How To Recognize A Laser Encounter

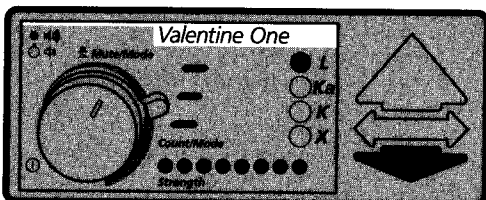
On laser contact, your warning will be:

1. European-siren warning sound.
2. When Ahead-arrow lights, laser is ahead. When the Behind-arrow lights, laser is behind.
3. Bogey counter displays three horizontal bars.
4. Strength-indicator bar graph shows full strength.
5. LED indicates laser.

NOTE: The same visual warnings will be seen on the optional Concealed Display.



Indicates laser ahead



Indicates laser behind

What you should know about laser

How Traffic Laser Works

To measure speed, traffic laser sends out a beam of pulsed infrared light. The beam is tightly focused: at a range of 1000 feet, it's only about four feet wide.

Infrared is invisible to the naked eye — the operator can't see it and neither can you. But it is light and it behaves accordingly. It travels in straight lines. And it's easily reflected.

Traffic laser works as a rangefinder. It sends a pulse, then waits for the reflection from the target car. From the time needed for the pulse to go out and back, and from the speed of light, it calculates distances to the car. These pulses are sent frequently, up to 500 times a second. The changing distance to the target over time is speed.

Laser can't see over hills or through opaque objects. The laser beam must hit your car directly, line-of-sight from the laser gun, to measure speed. Under ideal conditions, it can read speed in less than one second.

The pencil beam means that, in operation, laser is very different from radar. Radar cannot single out one vehicle in a pack, so the speed reading is usually attributed to the leader. The narrow laser beam reads only the vehicle it strikes.

How Laser Detectors Work

A laser detector is an electronic sensor calibrated for the infrared wavelength used by traffic laser. It is extremely sensitive. And it responds in as little as .006 seconds.

It should be mounted inside the car with the sensor facing through the glass toward the laser. When the beam, or scatter from the beam, strikes the detector, it warns instantly.

Finding laser

How It Operates

Laser's narrow beam imposes significant limits on its use. It must be deliberately and carefully aimed. The operator can't be moving. He must have a clear shot, preferably not through glass.

So laser traps are always ambushes. The operator lies in wait. As with radar, he can't read speed from the side. He must have oncoming and departing traffic. Look for a cruiser angled to the road, or broadside. Watch overpasses and entrance ramps. He will likely rest the laser gun on a partially-down side window to steady his aim. He will pick off traffic as it comes. Or goes.

Our breakthrough Compound Parabolic Concentrator enables Valentine One to achieve both wide-angle coverage and unmatched sensitivity. Even so, the over-hills and around-curves warning you expect from a radar detector is not possible with laser. A laser warning requires immediate response.

Details To Remember About Laser

1. There is no moving laser.
2. All laser encounters are like Instant-on radar; virtually no advanced warning.
3. Laser alarms are rare with the Valentine One, so be prepared to respond.

Laser False Alarms

1. Red neon, from stores and occasionally from brake lights of other cars immediately ahead, can imitate the characteristics of speed laser. Solution: Move away from source.
2. The electrical systems of some cars generate electromagnetic interferences, triggering laser alerts. How to test: Try V1 in a different car. Possible solution: Try relocating detector within the interfering car; also, your dealer may have a factory fix.

Troubleshooting

Problem	Cause	Solution
Seems dead, no display or audio.	No power.	1. Check power-cord connections. Check fuse inside Lighter Adapter. 2. Check contact of Adapter in lighter socket. 3. Make sure power is available at lighter socket. Does the lighter get hot? If not, check fuse in car lighter circuit. 4. Try another power cord. 5. Check fuse. See pages 16 & 19. 6. Make sure the power cord to Valentine One is plugged into the  jack of the Lighter Adapter.
Sounds the power-on audio when you go over a bump.	Bad power connection.	1. Make sure Lighter Adapter has good electrical contact. 2. Check condition of power cord. 3. Car wiring to lighter socket may be faulty (common in rental cars).
Alerts when you use vehicle accessories or turn signals or brakes, etc.	Electrical problem in your car.	1. See your mechanic.
Weak or no radar detection.	Possible installation problem.	1. Make sure front and rear antennas are unobstructed. 2. Make sure unit is approximately level. 3. See page 26.
Weak detection in front but good behind.	Possible installation problem.	1. Make sure your windshield is not covered with a metallic film. Windshield de-icers such as Ford's InstaClear® block radar. So do some sun-blocking films.
Numerous false alerts.	Other super-heterodyne radar detectors mounted in same vehicle.	1. Do not operate Valentine One in close proximity to other detectors.

Doubts . . . Maybe it's not working right

You bought Valentine One because you wanted the best radar protection. When you're really concerned about having the best, doubts come easily . . . "Is it really working right?" . . . "It didn't give much warning that time. Is it dying on me?"

Such doubts are not easily resolved by a few paragraphs in a manual. Still, radar behaves according to laws of physics. So does Valentine One. There are reasons for everything that happens. Please consider the following possibilities.

1. If you didn't get a radar alert from a radar car, was the radar turned on? Remember that Instant-on doesn't send out a detectable beam until it's triggered.
2. There are strong radars and weak ones. If you received a weak alert, could it have been a kind of radar that you're not used to?
3. The radar antenna can be pointed any direction inside the radar car. It doesn't have to point toward the front. Are you sure it was pointed at you? If it's pointed away, its strength as you approach is much less.
4. Traffic, particularly trucks, between you and the radar can block the beam. Were you blocked?
5. The radar beam travels in a straight line. Was there a hill or building in the way?
6. Rain, moisture, or dust in the air can shorten radar range. Could this be the reason for the weak alert?

Valentine One was designed to provide you with security. We don't want you to have doubts. If you still feel that your unit is not operating properly, call us at 1-800-331-3030. You can discuss your doubts with a technical expert who'll help you decide if your unit should be sent in for service.

Service

If your Valentine One needs repair:

Before sending your Valentine One back to us for service, please check TROUBLESHOOTING on page 25.

If it's completely dead, make sure it's connected to a reliable power source. Try another car.

If it still fails to function, follow these instructions to obtain factory service.

Where to ship:

Return your Valentine One, both power cords and lighter adapter (don't send the mounts) to:

Valentine Research
Customer Service
10280 Alliance Road
Cincinnati, Ohio 45242

How to ship:

Ship your unit prepaid and *insured*, in its original packaging or something equally protective. You are responsible for your Valentine One until it is in our hands, so insist on a proof-of-delivery receipt.

Along with your Valentine One, please enclose the following:

- a) your name, billing address (for credit cards) and shipping address;
- b) description of the problem;
- c) your daytime telephone number; and
- d) if your Valentine One is out of warranty (older than one year), send \$45 or a credit card number with expiration date to cover cost of diagnosis and repair.

Your Valentine One will be repaired as soon as possible.

For units that have been abused or modified, a repair cost will be calculated based on parts and labor required. You will be contacted if the repair cost exceeds the \$45 basic charge.

Note: We will not repair any Valentine One that has an unreadable serial number.

Prices subject to change without notice.

Limited Warranty

Valentine Research, Inc. warrants the Valentine One Radar Locator™ against all defects in materials and workmanship for a period of **one year** from the date of the original purchase, subject to the following terms and conditions.

This warranty is limited to the original owner, and is **Non-Transferable**.

This warranty does not apply if the serial number or housing of the product has been removed, or if the product has been subjected to physical abuse, improper installation, or modification.

To obtain warranty service, the product must be returned, insured and shipping prepaid, to Valentine Research, Inc., at the address below, in its original packaging or a suitable equivalent, along with a written description of the problem.

Valentine Research, Inc.'s responsibility under this warranty is limited to repair or replacement of the product or refund of its purchase price, at the sole discretion of Valentine Research, Inc.

Valentine Research, Inc. disclaims all other warranties, expressed or implied, including warranties of merchantability and fitness for any particular purposes whatsoever, and no other remedy shall be available, including without limitation, incidental or consequential damages. In no event shall Valentine Research, Inc.'s liability exceed the purchase price of the product in question.

Some states do not allow the exclusion or limitation of incidental or consequential damages of how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific rights. You may have other legal rights which vary from state to state.

Valentine Research, Inc. wants you to be satisfied with its products. Should you have any difficulties with the operation or performance of your Valentine One Radar Locator, please contact:

Valentine Research
Customer Service
10280 Alliance Road
Cincinnati, Ohio 45242
1-800-331-3030

A Few Things to Remember

1. Valentine One is defined as a radio by the FCC. It receives only. It's a passive device that in no way interferes with the communications or business of others.
2. The Federal Communication Act of 1934 guarantees the right to receive radio transmissions of all types on all frequencies. Traffic radar is not privileged communication: in fact, it's not communication of any sort because no information is conveyed to another party. It is surveillance by radio waves, and that is not protected by any laws.
3. Some states and municipalities have laws prohibiting the use, or the possession, or both, of radar detectors. Please check local regulations before using your Valentine One.
4. Leaving your Valentine One in plain sight in an unattended car is asking for a break-in.

We appreciate your confidence in Valentine Research.

Please drive safely.

For Your Records

Serial No.

Purchase Date

Manufactured under one or more of the following U.S. patents:

6175324	5250951	5116248	4878061
5917441	5206651	5083129	4631542
5900832	5164729	5068663	D338841
5856801	5151701	5020754	
5852417	5146226	4994775	
5300932	5125110	4973925	

Other U.S. patents pending



Hereby, Valentine Research, Inc., declares that this radar detector is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Refer to <http://www.valentine1.com/standards.asp> for the Document of Conformity.



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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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www.valentine1.com



Valentine Research

10280 Alliance Road
Cincinnati, Ohio 45242
513-984-8900
1-800-331-3030