



EVIRNET™ Vehicle Mount Radio Owners Manual

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Introduction:

The Zonar EVIRNET™ vehicle mount radio is a transceiver operating at 902 to 928MHz in the ISM (Industrial Scientific and Monitoring) band of frequencies. This radio mounts in a remote location, such as inside a vehicle. The Zonar 2010 unit is stored in this vehicle mount when not in use. Inserting a Zonar 2010 handheld into the vehicle mount radio will allow the 2010 unit to communicate with the radio. Once the EVIRNET™ base station radio contacts this vehicle mount radio, Zonar inspection data is transferred over the RF link from vehicle radio to the remote base station.

Compliance Statement (Part 15.19)



WARNING:

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.



WARNING:

To satisfy FCC RF exposure requirements for mobile transmitting devices, use only supplied and approved antenna's with a reverse polarity SMA type connector. Use of unauthorized antenna's or modifications could impair signal quality, void your warranty and/or result in violation of FCC regulations. The end user should also be prevented from being within 20cm of the antenna during normal use.

The preceding statement must be included as a CAUTION statement in manuals for OEM products to alert users on FCC RF Exposure compliance.

Warning (Part 15.21)

Caution: Any change or modification not expressly approved by Zonar Systems could void the user's authority to operate the equipment.

Limited Warranty

Zonar does not represent or warrant that the hardware and software are free of bugs or errors and shall not be liable for any losses (financial or non-financial) occurring as a result of such bugs or errors. No other warranty express or implied, including any warranties of merchantability or particular purpose, is provided for any hardware or software provided pursuant to this contract. Zonar shall not be liable to customer, or any third-party for any general, special, punitive, incidental, indirect or consequential damages, or any loss of profits or business, arising out of this agreement. In no event shall Zonar's liability exceed the value of one month's subscription paid by customer to Zonar, not to exceed one thousand dollars, under this agreement.

Zonar warrants that the hardware and software comprise a verified safety inspection system which, when used according to Zonar's instructions, will allow the customer the ability to verify that safety inspections have occurred. However, Zonar disclaims any liability arising as a result of operator error (whether willful, negligent, or intentional) or misuse of the hardware or software. Customer shall have no other liability and customer shall have no other remedy, except as specifically provided in this paragraph; and in no event shall Zonar be liable for any consequential damages. The terms and conditions of this agreement shall apply to any replacement hardware and software furnished.

Getting Started:

Connect the red wire from the radio vehicle mount to the vehicle's 12VDC supply, and the black wire to the vehicles ground. Now that power is applied to this radio vehicle mount, the base station will initiate communication with this radio vehicle mount. Nothing more must be done other than to insert the Zonar 2010 handheld into the radio vehicle mount and wait for the base station to establish contact with the vehicle mount radio.

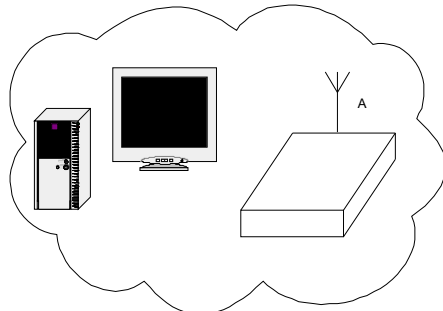
System Components:



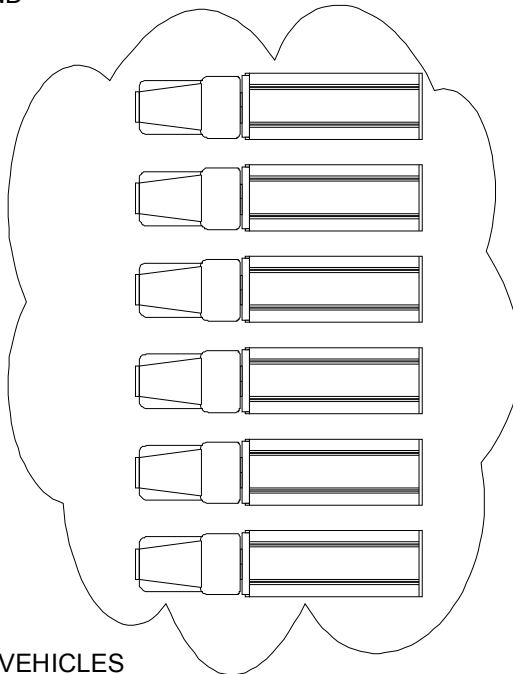
1. **Vehicle Mount Radio (shown with ½ Wave Antenna and power cable)**

System Overview:

The basic system is comprised of a vehicle mount radio typically located in a vehicle, and a remote base station.



BASE STATION AND
COMPUTER



REMOTE VEHICLES
WITH EVIRNET RADIOS

System Specifications:

- Frequency Hopping Spread Spectrum Radio
- 902 MHz to 928 MHz
- 500mW transmit power
- -103 dBm Sensitivity
- 53 Hopping Channels
- Operating Temp -20C to +70C
- Range 1500FT Obstructed, 4000FT+ Unobstructed
- DC Input range, 10.0Vdc to 16.0Vdc

Approved Antennas:

Nearson Model S467AH-915S (1/2 Wave Whip)

Note: The S467AH-915S may be extended with optional 2m LMR-195 coax extension.