

LEA

Law Enforcement Associates, Inc

The World's Leading Manufacturer of Surveillance Equipment ➤

Instructions for **MODEL 6369** Miniature Portable Repeater



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Limited Warranty

Law Enforcement Associates, Inc. warrants its devices and equipment for a period of one (1) year from the date of shipment to be free of defects in workmanship or materials unless otherwise stated. The liability of Law Enforcement Associates, Inc., under this warranty is limited to replacing, repairing or issuing credit, at its option, for any devices which are returned by the purchaser during such warranty period, provided:

Law Enforcement Associates, Inc. is notified in writing within five days, after discovery of such defects by the purchaser. Proof of purchase must accompany notification

The defective units are returned to Law Enforcement Associates, Inc. with transportation charges prepaid by the purchaser. No C.O.D. shipments will be accepted.

Equipment damaged in shipment must be reported to and claim forms filed with carrier by customer. In shipments to factory, notice and claim procedures will be initiated by Law Enforcement Associates, Inc.

Law Enforcement Associates, Inc.'s examination of such units shall disclose to its satisfaction that such defects exist and have not been caused by misuse, misapplication, neglect, improper installation, improper storage, alteration, physical damage or accidents.

The warranty shall not apply to materials ordinarily susceptible to field damage or any accessories of disposable nature. This warranty does not apply to, and Law Enforcement Associates, Inc. does not independently warrant, items or systems sold by Law Enforcement Associates, Inc. which are produced by other manufacturers and or which warranty cards or documents of the original manufacturers are included in shipment from Law Enforcement Associates, Inc. with respect to such items, the purchaser must look to the warranty of the original manufacturer and Law Enforcement Associates, Inc. disclaims all warranty, expressed or implied.

The foregoing warranties are in lieu of all other warranties, whether oral, written, expressed, implied or statutory. Implied warranties of fitness and merchantability shall not apply. Manufacturer's warranty obligations and purchaser's remedies thereunder (except as to title) are solely and exclusively as stated herein. In no case will manufacturer be liable for consequential damages, labor performed in connection with removal and replacement of the system or any other loss incurred because of interruption of service.

INSTRUCTIONS FOR MODEL 6369 MINIATURE PORTABLE REPEATER

CAUTION: DO NOT ATTEMPT TO OPERATE THIS REPEATER BEFORE THOROUGHLY REVIEWING THESE WRITTEN INSTRUCTIONS. SERIOUS DAMAGE MAY OCCUR IF THESE DIRECTIONS ARE NOT FOLLOWED.

GENERAL INFORMATION

The Model 6369 Miniature Portable Repeater is designed to receive low power signals from surveillance transmitters and to retransmit these signals automatically with its higher-powered transmitter. The built-in transmitter is rated at two watts output power, the maximum legal power output for police surveillance equipment. The unit comes with a "rubber duck" antenna with a right angle adaptor attached and a magnetic mounted 'cellular look-alike' antenna. A car cord is provided to supply power to the repeater. An external battery power supply, the LEA 6369B, is available as an option. The 6369B comes with a charger, and a patch cord for connecting to the 6369 Repeater.

INSPECT SHIPMENT

Immediately after unpacking the shipping carton, inspect the contents for damaged or missing items. Report damage or missing items promptly to LEA, Inc. and to the carrier delivering the parcel.

The Model 6369 Miniature Portable Repeater is housed in a rugged aluminum casing with externally mounted connections. Inspect the unit immediately for transit damage.

Your 6369 should include the following:

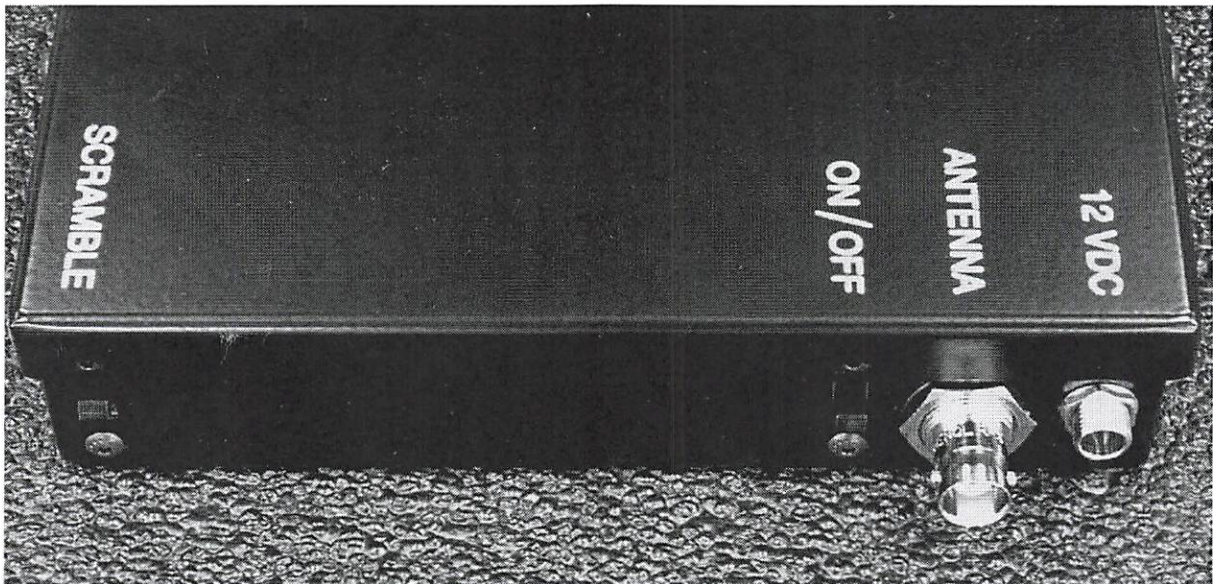
- A. (1) Repeater enclosed in rugged, aluminum case
- B. (1) "Rubber Duck" antenna with right angle adaptor
- C. (1) Magnetic mount with 'cell' antenna
- D. (1) Cigarette lighter power cord
- E. (1) This instruction manual
- F. (1) High impact carrying / storage case

OPERATION INFORMATION

Many outside influences can alter the effective and reliable range of electronic surveillance equipment. Test the unit thoroughly prior to using it in an operational situation. If at all possible make a "dry run" using the exact transmitter that will be used with the repeater in or near the site of operation. This will assist in finding areas of interference that could hamper the operation.

CONNECTIONS

ALWAYS check to see if the antenna is connected before applying power to the unit. This will ensure that the transmitter is not stressed or damaged when power is applied.



POWER UP

Once the antenna has been connected as required, the unit is ready to be powered-up. Connect the power source to the repeater by connecting the 2.5 mm plug to the repeater jack labeled "12 VDC". The ON/OFF switch is located on the side of the case next to the antenna jack as labeled. Lift the switch to the up position to turn the repeater on. Once the power is on, the repeater goes into "stand-by" mode. The unit will not transmit until a signal is detected. After a signal is detected, the repeater switches from "stand-by" mode to "repeat" mode and the signal can be received by your surveillance receiving equipment for recording or monitoring.

SCRAMBLE OPTION

If your 6369 has been equipped with the scramble option, you may wish to utilize this feature to prevent the transmission from being intercepted. To turn the scrambler on, lift the scramble switch to the up position. The signal coming into the repeater is then garbled and re-transmitted in an unintelligible form to be unscrambled and reconstructed by your descrambler-equipped receiver.

OPERATIONAL NOTE: It is suggested that the unit NOT be placed inside a metal box such as a vehicle trunk without using an externally mounted antenna. Doing so will restrict the ability of the repeater to receive or transmit a signal. An enclosed metal box acts as a shield that prevents the reception of outside signals as well as preventing the radiation of transmitter signals. The use of an externally mounted antenna will allow the unit to operate normally while enclosed. Also ensure that the antenna is mounted in the same orientation as the receiver and transmitter antenna. If not, cross-polarization losses will occur that may degrade the signal substantially at the receiver. Vertically mounted antennas are preferable, however if this is too conspicuous for your situation contact an LEA sales representative for details on disguised antennas.

For assistance in troubleshooting your repeater, contact LEA customer service at 1-800-354-9669 or on the web at service@leacorp.com. A customer service representative will verify that you have checked the above steps and will suggest a course of action based on an assessment of the problem experienced.

Should you require service for any reason, contact LEA customer service before sending in any equipment. All repairs require a Return Material Authorization for processing. Any equipment received without prior authorization may be refused and returned.

Specifications

FCC certification	Part 90 , 90.210
FCC ID	KAV-6359
Frequency range	150.8 to 174 MHz
Number of channels	One Receive, One transmit
RF Power output (TX)	2 Watts
Frequency stability	Crystal controlled; .0005% (5 PPM) from -30 to 60 degrees C
Spurious and harmonic attenuation	Better than -50 dBc
Channel Separation	5 MHz min, 10 MHz Max
Modulation	6369 : Narrow Band FM, Voice, +/-5 KHz deviation 6369N : Narrow Band FM, Voice, +/-5 KHz deviation
Channel Bandwidth	6369 : 25 KHz 6369N : 12.5 KHz
Sensitivity (RX)	Better than 0.35 uV for 12 dB Sinad
Selectivity (RX)	60 dB Adjacent channel rejection
Spurious & image attenuation (RX)	Better than 70 dB
Modulation Acceptance (RX)	6369 : +/- 7 kHz 6369N : +/- 3.5 kHz
Antenna	Flexible helical or cellular look-alike antenna with magnetic mount
Power Requirements	12-14 Volts DC, 800 mA
Battery Life (With 6369B Option)	40 Hours standby, 8 hours continuous transmit
Dimensions	11.25 X 6 X 1.5 inches

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