

SPECIFICATIONS:

Frequency Coverage: 72.1 to 72.9 MHz,
74.7 MHz, and
75.3 to 75.9 MHz.

Frequency Response:

100 Hz to 15 kHz,
±3 dB referenced to a
standard 75 µSec.
pre-emphasis curve.

Frequency
Selection: Selectable by rear
cover channel switch.

Total Harmonic
Distortion:

Less than 0.5%,
typical.

Frequency
Generation: PLL Synthesis.

Power Requirement:
9 VDC @ approxi-
mately 60 mA.

Frequency Stability: ±10 ppm, 0° to +50° C.
Tuning Step Size: 200 kHz.

Size:
2.35" (60 mm) W x
4.0" (100 mm) H x
1.0" (25 mm) D.

Modulation: FM, 180KF3E.

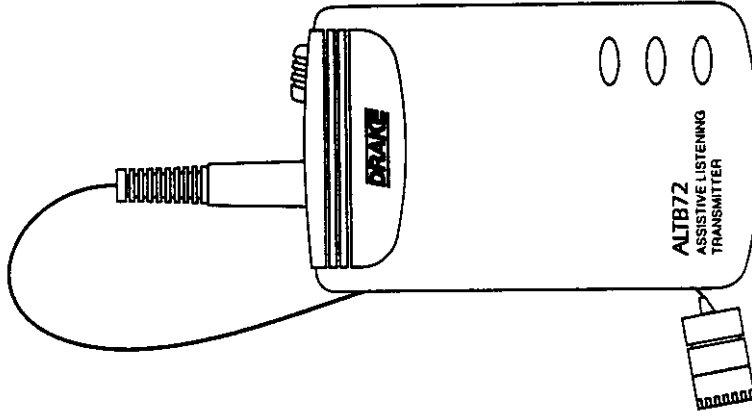
Weight:
4.1 oz. (115 g.)

FM Deviation: ±75 kHz, maximum.

Agency Approval:
FCC Part 15
Certification.
Industry Canada
Certification.

Pre-Emphasis: 75 µSec.

RF Field Strength: 80 mV/m @ 3m with
supplied microphone
cable assembly.



Includes:
- ALTB72 Assistive Listening Transmitter.
- High Sensitivity Clip-on Microphone.
- Carrying Case.

ONE YEAR LIMITED WARRANTY

R.L. DRAKE COMPANY warrants to the original purchaser this product shall be free from defects in material or workmanship for one (1) year from the date of original purchase.

During the warranty period the R.L. DRAKE COMPANY or an authorized Drake service facility will provide, free of charge, both parts and labor necessary to correct defects in material and workmanship. At its option, R. L. DRAKE COMPANY may replace a defective unit.

To obtain such warranty service, the original purchaser must:

- (1) Retain invoice or original proof of purchase to establish the start of the warranty period.
- (2) Notify the R.L. DRAKE COMPANY or the nearest authorized service facility, as soon as possible after discovery of a possible defect, of:
(a) the model and serial number,
(b) the identity of the seller and the approximate date of purchase; and
(c) A detailed description of the problem, including details on the electrical connection to associated equipment and the list of such equipment.
- (3) Deliver the product to the R.L. DRAKE COMPANY or the nearest authorized service facility, or ship the same in its original container or equivalent, fully insured and shipping charges prepaid.

Correct maintenance, repair, and use are necessary to obtain proper performance from this product. Therefore carefully read the Instruction Manual. This warranty does not apply to any defect that R.L. DRAKE COMPANY determines is due to:

- (1) Improper maintenance or repair, including the installation of parts or accessories that do not conform to the quality and specifications of the original parts.
- (2) Misuse, abuse, neglect or improper installation.
- (3) Accidental or intentional damage.

All implied warranties, if any, including warranties of merchantability and fitness for a particular purpose, terminate one (1) year from the date of the original purchase.

The foregoing constitutes R.L. DRAKE COMPANY'S entire obligation with respect to this product, and the original purchaser shall have no other remedy and no claim for incidental or consequential damages, losses or expenses. Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusions or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. This warranty shall be construed under the laws of Ohio.

DRAKE®

R. L. Drake Company
230 Industrial Drive

Franklin, Ohio 45005 U.S.A.

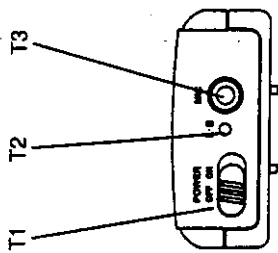
Customer Service and Parts Telephone: +1 (513) 746-6990

Telefax: +1 (513) 743-4576

World Wide Web Site: <http://www.rldrake.com>

The ALTB72 is a quality wideband Assistive Listening Transmitter which operates in the 72 - 76 MHz frequency band. The ALTB72 is synthesized to permit user selected operation on one of ten FCC designated assistive listening frequencies. Together, with a compatible personal receiver, the ALTB72 is designed for hearing assistance in places of public access for people who need help overcoming background noise, reverberation, or distance from the sound source. Applications involving tour guide use, classrooms, and meetings, among many others, require no connection or intrusion into facility wiring.

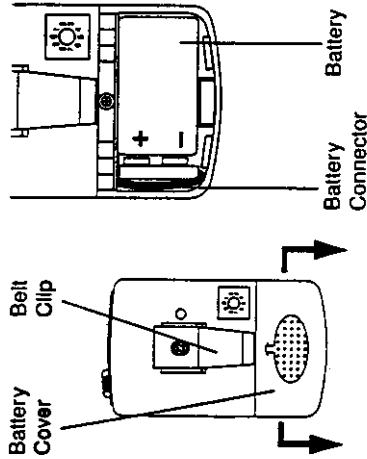
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T1 - POWER, ON/OFF Switch: Use this switch to turn the power on and off. To conserve battery power, leave unit off when not in use.

T2 - L . B: When power is turned on, this LED will flash once. Also, this LED lights continuously when the battery is low and needs to be replaced.

T3 - MIC: This is the input for the supplied condenser microphone. Fully insert the 3.5 mm plug end into the MIC connector.



BATTERY INSTALLATION

To install a battery, first remove the battery cover by grasping the sides of the battery cover and sliding it away from the case. Insert a standard alkaline 9-volt battery into the battery clips. Be sure the "+" and "-" polarities are correctly matched to the battery connector.

Reinstall the battery cover.

R1 - Channel Switch: Use a small flat-bladed screwdriver to set the transmitter frequency. Frequency assignments are as follows:

CHANNEL	FREQUENCY
0	72.1 MHz
1	72.3 MHz
2	72.5 MHz
3	72.7 MHz
4	72.9 MHz
5	74.7 MHz
6	75.3 MHz
7	75.5 MHz
8	75.7 MHz
9	75.9 MHz

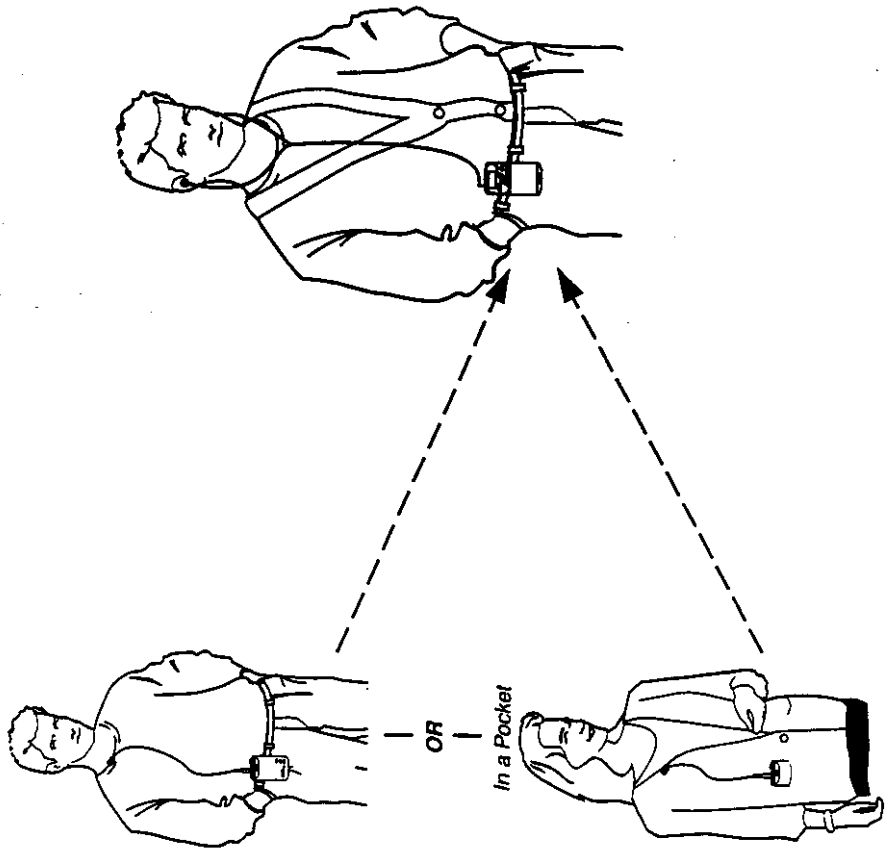
R2 - MIC Sensitivity Control: If a level adjustment is necessary, use a small flat-bladed or Phillips type screwdriver to set the control to the desired level. Rotating the control clockwise increases the sensitivity, and counter-clockwise decreases the sensitivity.

1) A compatible receiver, such as the MR-306, set for the same assistive listening band frequency as the supplied ALTB72 transmitter, must be used. Determine a frequency in the range of 72.1 - 72.9 MHz, 74.7 MHz, or 75.3 - 75.9 MHz that is not active in your area. Refer to the CHANNEL (0-9)/FREQUENCY (MHz) chart in this manual and set the Channel switch as required to set the desired channel (operating frequency).

Attach the ALTB72 transmitter to a belt or pocket etc., and clip the microphone where desired (such as lapel or collar). Plug the microphone connector into the "MIC" input on the transmitter. Now turn the power on.

ALT B72 MICROPHONE TRANSMITTER
On a Belt

MR306 RECEIVER



2) Speak into the microphone at a normal level. If additional microphone sensitivity is desired, refer to the "MIC Sensitivity Control" section of this manual.

3) More than one transmitter with the same frequency can not be used in the same area. Interference will occur.