

COMMUNICATIONS - APPLIED TECHNOLOGY

11250-14 Roger Bacon Drive

Reston, Virginia 20190-5202

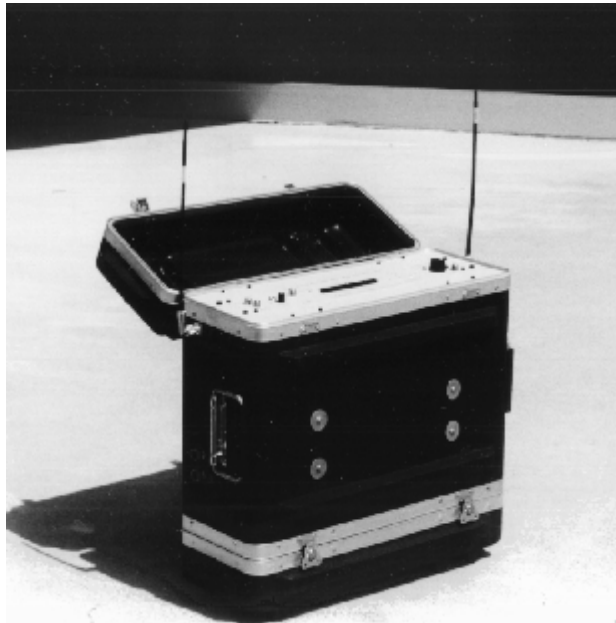
800-229-3925 (voice)

703-471-4428 (fax)

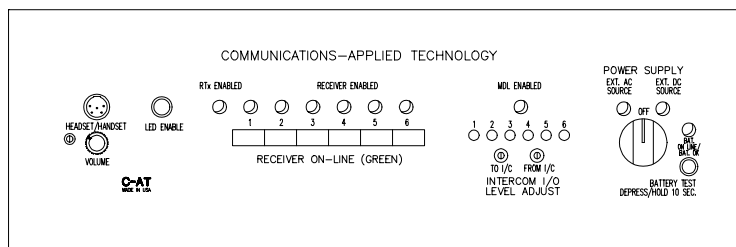
<http://www.c-at.com> (internet)

PORTABLE, REPEATER-BASED, TEAM COMMUNICATIONS SYSTEMS Series MDL

- DUPLEX, HANDS FREE OPERATION
- DISCRETE NETWORK
- LOW POWER (0.1W, VHF/FM)
- PORTABLE, BATTERY POWERED
- INTERCONNECTS TO CELLULAR PHONE
AND EXISTING LAND MOBILE RADIOS (all bands)



MDL Repeater with Option MB-i (molded plastic, transit case)



**Series MDL repeater front panel
Specifications for the C-AT receivers**

Frequency range:	150-220MHz
Frequency stability:	+/-0.005% -20 to +50°C
Sensitivity:	.75uV or better for 30dB SNR
Imager Rejection:	75dB min
Frequency Response:	300Hz to 4.0 Khz +/-1 dB
Distortion:	2% worst case
Ultimate SNR:	80 dB min
Output Level	0 to 3 Volts RMS int 50 Ohms (with balance output)
Power:	6.5 to 9.5 Volts
Current Drain:	Approximately 35 mA
Environmental:	Full specs -20 to +60°C

Specifications for the C-AT transmitters

Frequency range:	150-220MHz
Frequency stability:	+/-0.005% -20 to +50°C
Power Output:	50mW into 50 Ohms (up to 100 mW on special order)
Harmonics:	Less than -60 dBc
Spurs:	Less than -50 dBc
Frequency Deviation:	Set to +/- 6 Khz
Power:	6.5 to 9.5 Volts
Current Drain:	Approximately 36 mA (50 mW)
VSWR:	Will withstand infinite VSWR without damage or unstable operation
Pre-emphasis:	160 uS +/-2% 6 dB per octave
Audio Frequency Response:	300 Hz to 4.0 Khz +/-1 dB
Environmental:	Full specs -20 to +60°C

For Additional Information...

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CAGE Code: 0EEY2, TIN: 54-1215868

DOL Veteran-owned, Small Business SIC 3669

MADE IN THE U.S.A