

# LTR<sup>®</sup> Conversion for Motorola Mobiles

IDA CORPORATION offers **LTR conversion kits** for various Motorola and Motorola Radius mobile radios. Popular mobile radio models in the 400 MHz, 800 MHz, and 900 MHz bands can be changed to LTR trunking format.

Take advantage of the opportunities created by today's rapidly changing marketplace.

- Load your LTR system with customers displaced by the Digital SMR buildout.
- Convert your mobiles to use efficient LTR trunking as well as CTCSS/CDCSS.
- Transition customers that have outgrown their own radio system to your LTR service.



## CVT<sup>®</sup> FEATURES

### PROGRAMMABLE

- ✓ Trunked or conventional programmable by system
- ✓ Group scan list programmable from the front cover with 10/10 front cover
- ✓ Programmable transmit time-out timer
- ✓ Programmable acquisition and private group alert tones on trunked systems
- ✓ Audio Compingering programmable per system (CVT-2-900 only)
- ✓ Fully programmable system and group scan: including revert system and group, dwell and time-out times
- ✓ Interconnect, Transpond, External Alarm and Call Indicator programmable per group
- ✓ Block Encode/Decode and Transmit Inhibit Blocks programmable per group
- ✓ Up to 10 systems and 10 groups per system depending on front cover
- ✓ Off-hook scanning

### CONVENTIONAL

- ✓ Talkaround available on conventional systems with appropriate RF Board
- ✓ Microphone hook allows you to monitor channel in conventional systems
- ✓ CTCSS, CDCSS and noise squelch available on conventional systems
- ✓ Fully automated channel acquisition and DTMF dialing on interconnect calls including a 7-digit access code on conventional systems\*
- ✓ Ten 17-digit phone number memory locations for use with autodial
- ✓ Handset hook allows you to monitor channel in conventional systems, contains Enable/Disable external alarm and Overdial available on all interconnect calls (phone only)

\* Not supported by CVT-2S or 2E

## TECHNICAL REQUIREMENTS

- Working knowledge of servicing procedures and programming of Two Way radios.
- Mobile radio must be in good operating condition.
- Logic board part number to ensure correct firmware when ordering conversion kit.
- SMT repair capability (CVT-2S only).

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**ALL KIT SALES ARE FINAL  
RETURNS FOR CREDIT WILL NOT BE ACCEPTED**

## CONVERSION KITS

**CVT-2** Socket style EEPROM replacement conversion for MAXTRAC and RADIUS mobiles.

**Requires:** PGM-2 programmer.

**CVT-2E** Socket style EEPROM replacement conversion for MAXTRAC and RADIUS mobiles. This unit corresponds to logic board **HLN5173** only and allows the conversion of the radio without upgrading the board to an **HLN5172**.

**CVT-2S** Surface mount microprocessor replacement conversion for MAXTRAC and RADIUS mobiles. This unit will convert logic boards HLN9123 and HLN8074 only.

**Requires:** PGM-2 programmer and SMT rework capabilities.



PGM-2 Programmer

## NEW FEATURES

- Programming of Auxiliary Pins if applicable.
- Programmable channel splits (UHF only)
- cuts number of systems in half).

*Please call your friendly IDA Sales Representative for more information and pricing.  
Refer to the IDA product numbers below when ordering.*

## CVT PRODUCTS

RADIO	FREQUENCY	PART NUMBER
MAXTRAC and RADIUS	400	431-CVT-2-400
		431-CVT-2S-400
		431-CVT-2E-400
MAXTRAC	800	431-CVT-2
		431-CVT-2S
		431-CVT-2E
MAXTRAC	900	431-CT-2-900