



# Keyloader Interface Kit BKR0587

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## INTRODUCTION

This manual describes the steps to load encryption keys from an APCO Project 25 compatible keyloader unit into a BKR portable radio. It also describes the steps to assign default transmit keys to channels, and to select non-default keys for transmit.



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## KEY ASSIGNMENT

Use the PC programming software from BKR0733 to configure the following parameters:

### *Global Settings*

#### *Encryption Options tab*

1. Configure the radio's Encryption Key Pick List. Enter SLN's (Storage Location Numbers) in the table that correspond to the CKR's (Common Key References) entered into the keyloader unit for each key.
2. If desired, check the box to enable the 'Clear TX-Mode Warning Beep' so the radio will issue a warning beep when it is keyed up in clear mode.

#### *Menus/Controls tab*

1. Under 'Main Menu, configure the 'TX Secure' function for channels that allow switch-selectable transmissions (see *Sec column* below). The function can be assigned to the collar switch, a top toggle switch, or to the touchpad button menu. NOTE: It is recommended that TX Secure be assigned to the collar switch as it is pre-labeled for clear and encrypted selections.)  
If all channels will be locked either encrypted or clear, the TX Secure function need not be programmed.
2. If keypad selection of encryption keys is desired, assign 'Picklist-KEY' to a programmable button or add it to the 'Used' box for menu selection.
3. If emergency key zeroization is desired, assign 'Zeroize Keys' to a programmable button or add it to the 'Used' box for menu selection.

### *Zone/Channel Settings*

*Sec column* – configure each channel's transmit secure mode as:

Clr: radio always transmits in clear mode on the channel

Enc: radio always transmits in encrypted mode on the channel

Sw: radio transmits according to the state of the 'TX Secure' switch

*Key column* – assign a default key (from the Encryption Key Pick List) to be used when transmitting on the channel. Channels that are locked clear and analog channels will ignore this setting.

*Key Lock column* enter an 'L' to lock the default key to the channel. Any key selected from the touchpad menu will be ignored when transmitting in secure mode on the channel (i.e. the default key will be always be used when transmitting in secure mode on the channel).



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## KEY SELECTION

The radio's receiver