

## RADIO SHACK PRO-97 REFERENCE CARD

### Setting frequencies in channels

► There are 10 banks (0-9), each of which can contain up to 100 channels (00-99). The bank-channel number (e.g. 104) designates a memory position in which a frequency can be stored.

→ Select bank and channel

1. Press **MAN**
  2. Enter the bank-channel number (e.g. 104)
  3. Press **MAN** again
- OR
1. Repeatedly press **FUNC**, then **▲** or **▼** to select next bank up or down OR *hold ▲* or *▼* to **▼** to continuously scroll to desired bank
  2. Press **▲** or **▼** to select channel within bank

→ Then program frequency into channel

3. Press **PGM**
4. Enter frequency to be stored
5. Press **ENT**
6. Press **MODE** to change receive mode
7. If CTCSS (CT) or DCS (DC) mode, press **FUNC** then **MODE** then **▲** or **▼** to select code

### Deleting frequencies in channels

1. Press **MAN**
2. Enter bank-channel number (or select using **FUNC** and **▲** or **▼**)
3. Press **MAN**
4. Press **PGM** then **FUNC** then **CL**

### Entering text tags for channels

1. Press **MAN**
2. Enter bank-channel number (e.g. 104)
3. Press **PGM**
4. Press **TEXT** (maximum 16 characters)
5. Enter text (see *User's Guide* for details)
6. Press **ENT**

### Entering text tag for banks

1. Press **PGM**
2. Press **FUNC** then bank number (**0-9**)
3. Press **TEXT**
4. Enter text tag for bank (max 16 characters)
5. Press **ENT**

### Programming trunking mode and frequencies

► There are three types of analog trunking systems supported by the PRO-97: Motorola (MOT), EDACS (ED), and LTR (LT), each of which requires a separate bank and differences in programming.

1. Press **PGM**
2. Repeatedly press **FUNC**, then **▲** or **▼** to select next bank up or down OR *hold ▲* or *▼* to continuously scroll to desired bank
3. Press **TRUNK**
4. Press **MODE** to select trunking system type

→ If any Motorola UHF-Hi 800 MHz, then

5. Press **FUNC**, then **3** to select mode
6. Press **▲** or **▼** to select *Normal* or *Splinter*
7. Press **ENT**

→ If Motorola Type I or I/II Hybrid, then

8. Press **FUNC**, then **8** to program *Fleet Map*
9. Enter Size Code (SC=xx), then **ENT**
10. Repeat Step 9 for each block (0-7)

→ If Motorola UHF-Lo 400 MHz, then

11. Press **FUNC**, then **2**
12. Enter Base frequency, then **ENT**
13. Enter *Offset*, then **ENT**
14. Enter *Step*, then **ENT**

→ Then program control frequencies

► For EDACS and LTR trunking systems, the order in which control frequencies are entered is important. See your *User's Guide* for details.

15. Press **PGM** then **▲** or **▼** to select channel
16. Enter a trunking control frequency, then **ENT**
17. Press **MODE** repeatedly to select the mode that matches the bank mode (*MOT, ED, or LTR*)
18. Repeat Steps 15-17 to program additional trunking control frequencies in other channels

► You may program non-trunking channels in a bank that is set for trunking. Make sure the receive mode for such channels is NOT set to a trunking mode (*MOT, ED, or LTR*). It is not possible to scan *only* trunked or *only* non-trunked channels when both are mixed in a bank. Both types are scanned when the bank is scanned, if not locked out.

### Programming talk groups

► Programming talk groups on your PRO-97 is only necessary if you want to include only certain groups when scanning (closed mode), and/or want to create text tags to help you identify each talk group.

► Talk group IDs are associated with specific trunking systems in a bank. Each bank has five sub-banks (0-4) with 30 talk group ID storage locations (00-29) in each sub-bank.

1. Press **PGM** then **TRUNK**
2. Repeatedly press **FUNC**, then **▲** or **▼** to select next bank up or down OR *hold ▲* or *▼* to continuously scroll to desired bank
3. Press **MODE** to select trunking system type
4. Repeatedly press **TRUNK** to select sub-bank
5. Press **▲** or **▼** to select location (**00-29**)
6. Enter talk group ID number, then **ENT**
7. Press **TEXT** to enter text tag
8. Enter text tag (max 16 characters), then **ENT**
9. Repeat Steps 5-8 for additional talk groups

### Locking out talk groups

1. Press **PGM** then **TRUNK**
2. Repeatedly press **FUNC**, then **▲** or **▼** to select next bank up or down OR *hold ▲* or *▼* to continuously scroll to desired bank
3. Press **▲** or **▼** to select talk group ID
4. Press **L/OUT** to change lockout mode from unlocked (*lo*) to locked (*LO*), or vice versa

### Changing bank open/closed mode

1. Press **MAN**
2. Repeatedly press **FUNC**, then **▲** or **▼** to select next bank up or down OR *hold ▲* or *▼* to continuously scroll to desired bank
3. Press **FUNC** then **.DELAY** to change mode from OPEN (+) to CLOSED (-), or vice versa

### Setting priority channel

1. Press **MAN**
  2. Enter priority bank-channel number, then **MAN**
  3. Press **FUNC** then **PRI**
- OR
1. Press **PGM** then **PRI**
  2. Enter priority frequency then **ENT**

### Scanning programmed banks and channels

1. Press **SCAN**
2. To change scan direction, press **▲** or **▼**
3. To resume scanning while stopped on an active channel, press **SCAN** or **▲** or **▼**
4. To turn off bank, press the bank number (**0-9**) while scanning. To turn a bank back on, press bank number again while scanning

### Manual channel selection

1. Press **MAN**
2. Enter bank-channel number, then **MAN**
3. Press **▲** or **▼** to change channel

### Manual/continuous frequency range searching

► Of seven preprogrammed search frequency ranges or banks (SR0-SR6), only one bank at a time can be searched. Only SR6 can be changed. SR0, SR1 and SR2 frequencies can be manually searched. SR3 and SR5 have groups of frequency ranges that can be turned on and off.

1. Repeatedly press **SRCH** to select desired search bank (SR0 – SR6)
2. To change from manual (MAM) search (SR0-SR2 only) to continuous search (SRCH), or vice versa, press **FUNC** then **SRCH**

### Manual/continuous frequency tuning

1. Press **TUNE**
2. Enter desired frequency, then **ENT**
3. If necessary, press **MODE** to change receive mode
4. To begin automatic tuning, press **PSE** (press **▲** or **▼** to change direction of tuning)

### Using Signal Stalker.II

1. Press and hold **SCAN** for 1 sec.
2. To change from *All Band* mode to *Police/Fire* mode, or vice versa, press **FUNC** then **SCAN**
3. Turn freq. ranges on/off by pressing **0-9**
4. To resume normal scanning, press **SCAN**

### Holding on a scan channel or search frequency

1. Press **PSE** (pause) to hold on an active channel or frequency; **PSE** again to resume

### Holding on a talk group ID

1. Press **PSE** (pause) to hold on talk group ID
2. Press **PSE** or **SCAN** or **TRUNK** or **▲** or **▼** to release hold

### Locking out / unlocking scan channels

1. Press **L/OUT** when stopped on a channel (LO)
2. To release lock, manually select channel and press **L/OUT** (lo)

### Locking out search frequencies

1. Press **L/OUT** when stopped on a frequency (max. 50 locked out frequencies)

### Turning search groups on and off

► SR3 (Police/Fire) and SR5 (Amateur) have groups of frequencies that can be turned on and off

1. Press group number (**0-3** for SR3 or **0-5** for SR5) to turn frequency group on or off

### Reviewing/clearing locked out search frequencies

1. Press **SRCH** then **FUNC** then **L/OUT**
2. Press **▲** or **▼** to review locked out frequencies
3. To unlock SINGLE frequency, press **CL**  
→ OR
3. To unlock ALL frequencies in selected search bank, press **FUNC** then **6** then **1**

### Copying a frequency into a bank-channel

► Find a frequency in search or tune mode and store it into a bank-channel

1. Press **FUNC** then **PGM** while on frequency
2. Enter desired bank-channel number, then **ENT**  
→ OR
1. Press **FUNC** then **ENT**
2. Press bank number (**0-9**) to store frequency in first vacant channel in the bank

### Programming search bank 6 (SR6)

1. Repeatedly press **SRCH** to select SR6
  2. Press **PGM** then **SRCH**
  3. Enter range low-end frequency, then **ENT**
  4. Enter range high-end frequency, then **ENT**
  5. Press **SRCH** to begin searching this range
- Note: Military Air (MilAir) frequency range is 225-400 MHz (AM)

### Listening to Weather band

► There are seven NOAA weather channels (1-7). Some or all may be available in your area. FIPS codes (max. 10) may be set for specific area alerts in SAME standby mode. See *Users' Guide* for more details.

1. Press **WX** repeatedly to select best weather channel reception OR press **FUNC** then **WX** to activate/deactivate SAME Standby mode

### Using scan delay

1. Press **/DLY** to turn on/off (DL Y/dly) 2 sec. scan delay when stopped on a channel

### Using the attenuator

► Attenuator can be set on and off for an individual channel, or for a search bank group, or for tune mode (atf/ATT) OR global attenuator can be set on and off for ALL modes and channels (atg/ATG)

1. Press **ATT** while stopped on a channel, in a search bank group, or in tune mode  
→ OR
1. Press **FUNC** then **ATT** to set global attenuator mode on or off
2. Press **ATT** to turn global attenuation on/off

### Using display/key backlight

1. Press **\*** (5 sec. default) OR press and hold **\*** for 1 sec. for full-time light on and off.
- See *Users' Guide* for additional backlight modes and settings options

### Change display contrast

1. Press **MAN** then **FUNC** then **9**
2. Press **▲** or **▼** to change contrast, then **ENT**

### Using keypad lock/unlock

1. Press **FUNC** then **↔0** / **\*** lock or unlock keypad

### Turning key tone on and off

1. Turn scanner **OFF**
2. Turn scanner back **ON**
3. Immediately press **1** to turn key tone on OR press **2** to turn key tone off

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