

# USER PROGRAMMING

## For TAD ALPHA M8

### PROGRAMMABLE ITEMS:

The USER can program the following:

#### **A. SCAN CHANNELS**

The operator can choose any of the channels programmed into the radio as scan channels. i.e. In the scan mode, only the channels selected by the operator will be scanned.

#### **B. PRIORITY CHANNEL**

The priority channel can be chosen from any of the channels which are programmed into the M8 by your dealer.

#### **C. SCAN RESUME TIME**

The purpose of this function is to choose a suitable scan resume time.

The DEALER will have programmed your radio for the following functions:

1. The transmit and receive frequencies you require in each channel.
2. A seven character alpha name.
3. Any CTCSS tones you require in each channel.
4. Your transmitter power for each channel.
5. The amount of time you can transmit continuously without releasing the "press to talk" key.
6. The way your "priority scan" operates.

These functions will have been programmed to suit your particular use, now you can program the radio for the following functions to suit your day to day needs.

### PROGRAMMING:

#### **A. CHANNELS TO BE SCANNED**

Press the **PRG** key, the channel you are on will be displayed along with "UPROG" on the bottom of the display. The channel number will either flash and read "No SC" or will not flash and read "SC". Press the **ADJ** key (in red) to select whether you want to scan (SC) or not scan (No SC) this channel. Pressing the **UP** or **DN** key will allow you to select the other channels for programming.

#### **B. PRIORITY CHANNEL**

After selecting "Scan programming" press the **SELECT** key (in red). "Pr 00" or "the existing priority channel number" will be shown. Use the **UP** or **DN** key to select the Priority Channel.

#### **NOTE:**

**If the radio has the MTS radio telephone option, the block assigned for MTS operation cannot be selected for priority operation. If the only channels in the radio are MTS channels priority channel selection is not allowed. If no priority channel has been selected or if no channel outside the MTS block exists, PR-00 will be displayed and the priority option will not function.**

#### **C. SCAN RESUME TIME**

After selecting the "Priority Channel", pressing the **SELECT** key (in red) will bring up the "Scan Resume Mode". The user can choose which mode to use by pressing the **ADJ** key (in red). In Scan Mode, if the operator has set:

"Sc-C" The scan will start 3 seconds after the carrier on the channel has disappeared.  
(Channel has become clear)

"Sc-0" The scan will start as soon as the carrier on the channel has disappeared.  
(Channel has become clear)

"Sc-3" The scan will start 3 seconds after the carrier on the channel is detected.  
(Channel has become busy)

"Sc-6" The scan will start 6 seconds after the carrier on the channel is detected. (Channel has become busy)

## D. ENTER INTO MEMORY

Press the PRG key -

**-THIS MUST BE DONE EVERY TIME YOU WANT NEW USER PROGRAMS ENTERED -**

The last step is to always press the **PRG** key. This also puts the radio back into the normal operating mode.

### NOTE:

Once in the User Programming mode, if none of the function keys are pressed, the radio will revert to the normal operating mode automatically after about 30 seconds. However, any changes that have been made will not necessarily be saved.

**MTS:** If this option has been installed in the radio, the Horn Relay signal may be turned on or off by pressing the **SCN** key while in the **USER** Programming Mode. The Horn is on when **HORN** is indicated on the display.

## EXAMPLE OF USER PROGRAMMING

- Radio has channels 1 to 6 programmed in it.-
- You want to scan channels 2 and 6.-
- You want to have Ch. 3 as a priority channel.-
- You do not want to stay any longer than 6 seconds on a busy channel. If the message is for you, then you would lift the mic off hook before 6 seconds expires.-

**REMEMBER: Once the PRG key is pressed, follow the red line and use the red SELECT and ADJ markings for the buttons. Your inputs must be done within 30 seconds of each other.**

### USER PERFORMS

- |                                       |   |
|---------------------------------------|---|
| ....Turn radio on                     | -volume and squelch controls are set.   |
| ....Press <b>UP</b> or <b>DN</b> keys | -until "CH-02" appears.                 |
| ....Press <b>PRG</b>                  | -"CH-02 No SC" appears flashing.        |
| ....Press <b>ADJ</b>                  | -"CH-02 SC" appears and stops flashing. |
| ....Press <b>UP</b>                   | -until "CH-06 No SC" appears flashing.  |
| ....Press <b>ADJ</b>                  | -"CH-06 SC" appears and stops flashing. |
| ....Press <b>SELECT</b>               | -"Pr-00" appears.                       |

**You are now in the "Priority Channel" part of the program.**

- |                         |  |
|-------------------------|--|
| ....Press <b>UP</b>     | -until "Pr-03" appears.                    |
| ....Press <b>SELECT</b> | -one of the scan resume times will appear. |

**You are now in the "Scan Resume Time" part of the program.**

- |                      |  |
|----------------------|--|
| ....Press <b>ADJ</b> | -until "Sc - 6" appears.   |
| ....Press <b>PRG</b> | -radio will return to normal mode and USER Program will be as above. |

Pressing the PRG key always ends the User Programming sequence.

# USER PROGRAMMING WITH THE "GROUP OPTION "

## GROUP PROGRAMMABLE ITEMS

In addition to the normal User Programmable items the Group Option allows the following:

- A. 8 different selections of channels to be scanned called Scan Groups.
- B. An alpha-name can be assigned to each Scan Group.
- C. A different priority channel may be selected for each scan group.

### REMEMBER:

Once the PRG key is pressed, follow the red line and use the red SELECT and ADJ markings for the buttons. Your keystrokes must be done within 30 seconds of each other. When selecting a channel, pressing and holding the UP or DN key momentarily will cause the channels to change rapidly.

This Program consists of two modes. First the "no-Group" or normal operating position wherein the radio operates as a normal M8. Then there are also 8 separate group positions wherein the operator can preselect any combinations of channels that are contained in the "no Group" or normal position, to fit his own needs. The user decides which channels he wants in each group by using the following procedure and deciding, on a per channel basis, whether to scan (put into a group) or not to scan (leave out of a group) each channel. If a group has been selected the group indicator is on and the number above it indicates which group.

## PROGRAMMING GROUPS

1. Push the **PRG** button. If no group has been selected "no Group" will be displayed



and if a group has been selected the group name will be displayed.

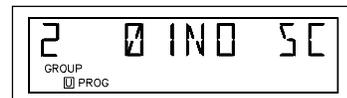


If a group name has not been programmed "NO NAME" is displayed.

2. Select the group to be programmed by stepping through the group numbers using the **UP** or **DN** buttons.
3. To program or change the group name press the **ADJ** key. The first digit will be flashing. Use the **UP** or **DN** key to select the required character. Holding either key momentarily

will cause the characters to scroll past rapidly. Use the **SELECT** key to change digits and when finished press the **ADJ** key again to save the name.

4. Once you have selected the group number push the **SELECT** button. Either a channel number and "SC", or a flashing channel number and "No SC" will be displayed. "SC" indicates that channel will be scanned. "No SC" indicates that channel will not be scanned. Only scanned channels will become part of the selected group. Select the channels to be included in the group by using the **UP** and **DN** buttons to step through the channels and the **ADJ** button to toggle between "SC" and "No SC".

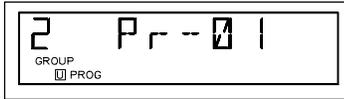


5. Push the **PRG** button to store the selections for that group. Repeat steps 1 thru 4 to program any other group.

## PROGRAMMING THE PRIORITY CHANNEL

Every group can be programmed with its own priority channel. The priority channel doesn't necessarily have to be one of the channels selected for that group!

1. Push the **PRG** button.
2. Using the **UP** or **DN** buttons select the group that you want to program the priority channel into.
3. Push the **SELECT** button.
4. Push the **SELECT** button again and the existing priority ("Pr") channel will be displayed. Use the **UP** or **DN** button to select the new priority channel.



5. Push the **PRG** button to store the new priority channel and restore normal radio operation.

### **NOTE:**

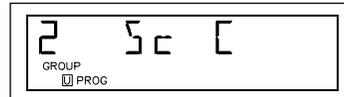
If the radio has the MTS radio telephone option, the block assigned for MTS operation cannot be selected for priority operation. If the only channels in the radio are MTS channels priority channel selection is not allowed. If no priority channel has been selected or if no channel outside the MTS block exists, PR-00 will be displayed and the priority option will not function.

## PROGRAMMING THE SCAN RESUME TIME

The scan resume time is not selectable for each group, it is common to all groups.

1. Push the **PRG** button.
2. Push the **SELECT** button.

3. Push the **SELECT** button.
4. Push the **SELECT** button once more and "Sc-C" or "Sc-6" will be displayed. These are the two options available for scan resume time. "Sc-C" means the radio will resume scanning 3 seconds after the carrier has ended. "Sc-6" means the radio will resume scanning 6 seconds after the channel has become busy. Use the **ADJ** button



to choose between "Sc-C" and "Sc-6".

5. Push the **PRG** button to store your selection and restore normal radio operation.

## SELECTING A GROUP

The user selects the group to be used by following this procedure.

1. Push the **PRG** button.
2. Select the group by stepping through the group numbers using the **UP** or **DN** button.
3. Push the **PRG** button to restore normal radio operation.

### **NOTE:**

If the group selected doesn't have any channels in it, when the PRG button is pressed "no Sc ch in Group?" (no scanned channels in group?) will be displayed along with an audible alert tone. Following this the radio will revert to the normal operating mode and will be in the "no Group" or normal position. Also, if there are no scanned channels selected in the "no group" mode the same response is activated when entering scan mode.