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Programming and Scanning Memory Channels on the IC-R20

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Loading Your Frequencies into Memory

It is convenient to load all of the channels you will be using for telemetry into the IC-R20 receiver for convenient scanning and tuning. To do this follow these steps:

1. Tune in the frequency you want to save (see TB-1302B Setup Procedure for the IC-R20 and be sure you are using CW mode).

2. Press and hold [MR S.MW] for about 1 second. The receiver will show a display with the MR symbol flashing with the memory number displayed to the right.

3. Rotate the right knob on the top of the radio until you get to a clear memory location where no frequency is displayed. Make sure the location is a three digit number (i.e. 005) and not ending in A or B (i.e. 23A).

4. Press the [8] or set button to move the > symbol to the BAND.

5. Press [BAND] to select the bank you want to use (A, B, C etc).

6. Press and hold [MR S.MW] for about 1 second. The receiver will switch back to the main display.

7. Repeat for as many channels as you would like using the same memory bank for those channels you would like to scan as a group.

8. When you finish you should be at the main display.

Manually Scanning Your Frequencies

You can now manually tune in these channels with the following steps:

1. Start from the main display

2. Ensure that your squelch is off by pressing and holding the SQL button on the left hand side of the radio and turning the right hand knob until you see SQUELCH: OPEN at the bottom of the screen. When you let go of the SQL button, you will be back at the main display.

3. From the main display, press the [MR S.MW] button until the MR symbol shows at the bottom right with three digits beside it.

4. Press [BAND] until the memory bank you programmed shows in the first digit (A, B, C, etc.)

5. Using the right knob, you can now tune between your channels (00 to 99) depending which ones are programmed.

Automatically Scanning Your Frequencies

To perform automatic scanning follow these steps:

1. From the main display, press and hold [8] (or set).

2. Scroll down with the right knob to SET EXPAND and press [8] again.

3. Turn the right dial to change to ON and press [8] again. You should now have extra entries in the list.

4. Scroll further down to SCAN PAUSE and press [8].

5. Scroll to the number of seconds you need to stay on each channel to hear the pulses and look at the radio for the frequency. Probably 6 to 10 seconds minimum depending on the burst interval of your tag.

6. Press [8] to save this setting.

7. Press dual watch to go back to the main display screen.

8. Tune in the desired memory bank as in the manual section above.

9. Ensure that your squelch is off by pressing and holding the SQL button on the left hand side of the radio and turning the right hand knob until you see SQUELCH: OPEN at the bottom of the screen. When you let go of the SQL button, you will be back at the memory display.

10. Press and hold the [MODE SCAN] button. The radio will step through the frequencies, pausing for the interval you set under SCAN PAUSE.

11. Press [DUAL WATCH] to stop scanning.