Model 40 Scout™

Quick Reference Guide

9/15/95

To put your new Scout through its paces right away, follow these simple steps. Consult the operator's manual if you need additional information. If you have a problem, we recommend that you read the entire manual carefully before calling for technical support. It will save time in most cases.

Step 1. TURN THE UNIT ON

Set the POWER switch to the ON position. On power-up, an LCD self-test will be displayed for 2 seconds, followed by the COMMUNICATIONS MODE for 2 seconds.

- If the FILTER switch is ON when the unit is turned on, the LCD backlight is enabled.
- If the CAPTURE switch is ON when the unit is turned on, the Beeper is enabled.
- If the push-button is pressed and held when the unit is turned on, the vibrator is enabled, and the LCD backlight and beeper are disabled.
- If the internal battery pack becomes discharged during operation, the Scout™ will automatically go to sleep, and the LOW BATTERY annunciator will be displayed. Any frequencies stored in memory will be saved. Before attempting to recharge the battery, refer to the *Rapid Charge Operation* section of the operator's manual for important information.

Step 2 SELECT COMMUNICATIONS MODE

To toggle between CI-V and AR8000 (or back) Change CAPTURE switch position during Display Self Test Interval.

Step 3. SELECT NORMAL MODE

NORMAL mode is selected when the FILTER and CAPTURE switches are both OFF.
In this mode, the Scout™ functions as a conventional frequency counter. Frequency measurements are continuously displayed. The gate time, and hence the measurement resolution, can be changed by pressing the push-button. In NORMAL mode, a computer can be connected to the CI-V interface on the top panel of the Scout™. This allows captured frequencies stored in memory to be downloaded to the computer.

Step 4. SELECT FILTER MODE

FILTER mode is selected when the FILTER switch is ON and the CAPTURE switch is OFF.
In this mode, only frequency measurements which pass the digital filtering algorithm are displayed.
As in NORMAL mode, pressing the push-button changes the gate time. Each time a new frequency is displayed, tuning data is transmitted via the CI-V interface to tune a connected receiver for immediate monitoring of the displayed frequency.

Step 5. SELECT CAPTURE MODE

CAPTURE mode is selected when the FILTER and CAPTURE switches are both ON.
In this mode, frequency measurements which pass the digital filtering algorithm are stored in memory, along with the number of occurrences, or count, of each frequency. The Scout™ can capture and store up to 400 unique frequencies. In CAPTURE mode, the 1 kHz resolution gate time is always selected.
As in FILTER MODE, each time a frequency is captured, receiver tuning data is transmitted via the CI-V interface.

Step 6. SELECT RECALL MODE

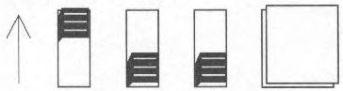
RECALL mode is selected when the FILTER switch is OFF and the CAPTURE switch is ON. In this mode, the operator can view all 400 frequencies and counts stored in memory. Memories are displayed as four banks of 100 memories. The "A" and "B" annunciators are used to indicate which bank is currently being displayed.

- Solid "A" indicates memories 0-99
- Solid "B" indicates memories 100-199
- Flashing "A" indicates memories 200-299
- Flashing "B" indicates memories 300-399

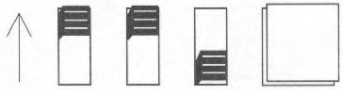
When RECALL mode is first selected, frequency 0 is displayed. Pressing the push-button causes count 0 to be displayed. Pressing the push-button again causes frequency 1 to be displayed. Pressing the push-button again causes count 1 to be displayed, and so on, up through frequency and count 399. After count 399 is displayed, pressing the push-button causes frequency 0 to be displayed again. Pressing and holding the push-button allows the operator to rapidly scroll through the memories. Empty memory locations will display a frequency and count of zero.

Scout Quick Reference Guide

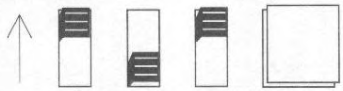
POWER UP MODES
(Unit is being turned on)



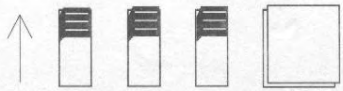
NO ANNUNCIATOR



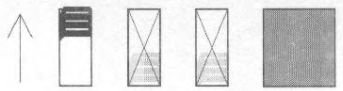
LAMP



BEEPER

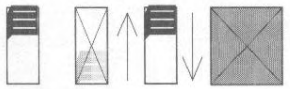


BEEPER & LAMP



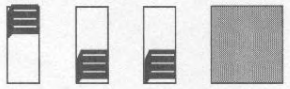
VIBRATOR
Push button and hold down
X= Middle switches can be in any position

COMMUNICATION MODE



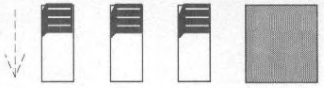
Change Capture Switch during Display Self Test Interval to toggle between CI-V and AR8000
X= Switches can be in any position

OPERATION

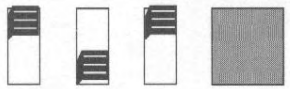


NORMAL COUNTER MODE — Push Button To Change Gate Time

FILTER MODE — Push Button To Change Gate Time



CAPTURE MODE — Hold Button To Clear Memory While Turning Power Off



RECALL MODE — Push Button To Scroll Memories

HOW TO READ MEMORIES

LCD DISPLAY		
00 - 99	A - SOLID	0 - 99
00 - 99	B - SOLID	100 - 199
00 - 99	A - FLASHING	200 - 299
00 - 99	B - FLASHING	300 - 399

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