

BASE STATION CHANNEL LED WILL NOT CHANGE

SYMPTOM:

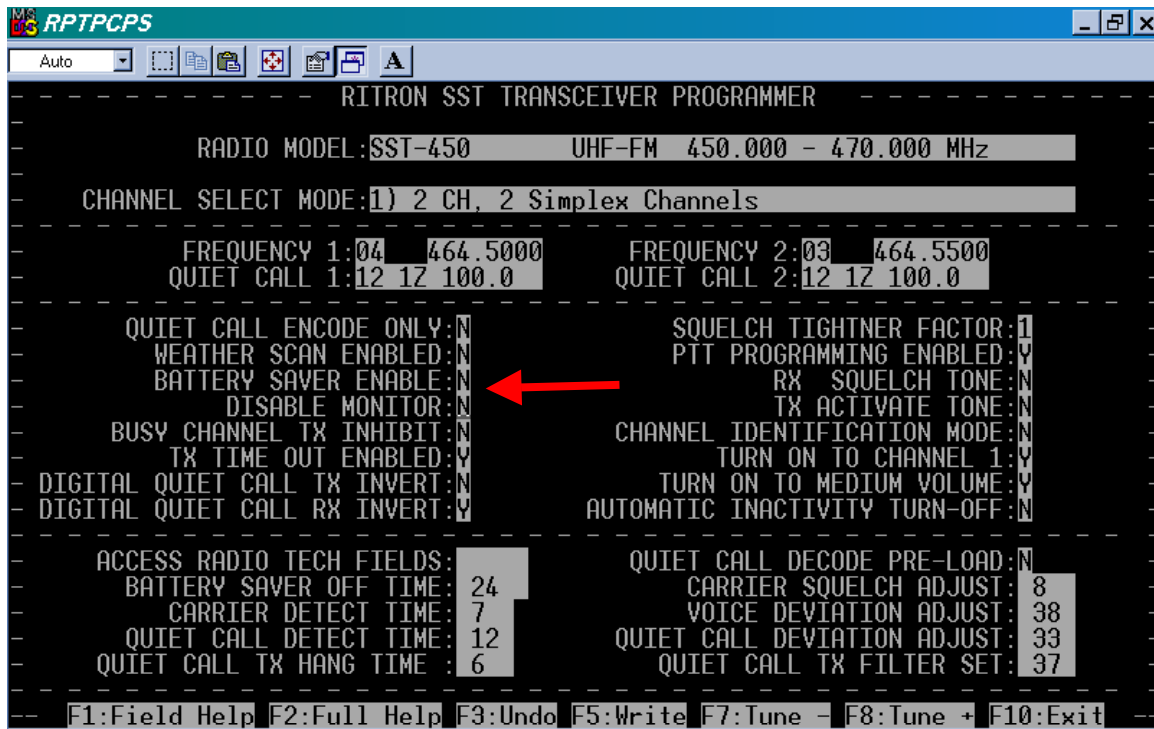
The channel LED will not switch from channel 2. The base station does actually switch from channel 2 to channel 1 and vice versa, but the LED remains on channel 2. Even if the unit is programmed as a 1 channel radio, such that frequency 1 equals frequency 2 and tone 1 equals tone 2, the indicator remains on channel 2.

CAUSE:

The unit has been programmed incorrectly.

SOLUTION:

Change the "Battery Saver Enable" field on the programming screen from "Y" to "N".



The screenshot shows the 'RITRON SST TRANSCEIVER PROGRAMMER' window. The 'BATTERY SAVER ENABLE' field is highlighted with a red arrow and set to 'N'. Other fields include 'RADIO MODEL: SST-450 UHF-FM 450.000 - 470.000 MHz', 'CHANNEL SELECT MODE: 1) 2 CH, 2 Simplex Channels', 'FREQUENCY 1: 04 464.5000', 'FREQUENCY 2: 03 464.5500', 'QUIET CALL 1: 12 1Z 100.0', 'QUIET CALL 2: 12 1Z 100.0', 'QUIET CALL ENCODE ONLY: N', 'WEATHER SCAN ENABLED: N', 'BATTERY SAVER ENABLE: N', 'DISABLE MONITOR: N', 'BUSY CHANNEL TX INHIBIT: N', 'TX TIME OUT ENABLED: Y', 'DIGITAL QUIET CALL TX INVERT: N', 'DIGITAL QUIET CALL RX INVERT: Y', 'SQUELCH TIGHTNER FACTOR: 1', 'PTT PROGRAMMING ENABLED: Y', 'RX SQUELCH TONE: N', 'TX ACTIVATE TONE: N', 'CHANNEL IDENTIFICATION MODE: N', 'TURN ON TO CHANNEL 1: Y', 'TURN ON TO MEDIUM VOLUME: Y', 'AUTOMATIC INACTIVITY TURN-OFF: N', 'ACCESS RADIO TECH FIELDS: BATTERY SAVER OFF TIME: 24, CARRIER DETECT TIME: 7, QUIET CALL DETECT TIME: 12, QUIET CALL TX HANG TIME: 6, QUIET CALL DECODE PRE-LOAD: N, CARRIER SQUELCH ADJUST: 8, VOICE DEVIATION ADJUST: 38, QUIET CALL DEVIATION ADJUST: 33, QUIET CALL TX FILTER SET: 37. The bottom status bar shows function keys: F1:Field Help, F2:Full Help, F3:Undo, F5:Write, F7:Tune -, F8:Tune +, F10:Exit.

NOTES:

These base station models use the "Battery Saver Enable" field to control the LED switching circuitry. Although the default for this field is "Y" for the equivalent portable radio models, it must be set to "N" for the JBS and PBS base stations.

The battery saver function is not needed since these models are powered by an external supply.