

Programming Test Modes into SEA Radios

Radio Test Mode Programming:

Home = Repeater's Home

Area = Repeater's Area

ID = Valid ID on Repeater

Mode Type = Conventional

Talk Around = Enabled

ESP504 Data Manager (ESPDM V1.01)

1. From the Main Screen press "EDIT". > Goes to the "CONFIGURATION PROGRAMMING" screen.
2. Press "F2 - Edit Modes". > Goes to the "MODE PROGRAMMING" screen.
3. Press "F9". > Goes to the "TEST MODE PROGRAMMING" screen (Mode = T4).
4. Program the test Modes.

ESP520, ESP520DX Data Manager (dm520 V1..02)

1. From the Main Screen press "EDIT". > Goes to the "CONFIGURATION PROGRAMMING" screen.
2. Press "F5 - Modes". > Goes to the "MODE PROGRAMMING" screen.
3. Press "Shift+F3" and then "ENTER". > Goes to the "TEST MODE PROGRAMMING" screen (Mode = 21 - 24).
4. Program the test Modes.

ESP700 Date Manager (dm700 V1.02)

1. From the Main Screen press "EDIT". > Goes to the "CONFIGURATION PROGRAMMING" screen.
2. Press "F5 - Systems". > Goes to the "SYSTEM PROGRAMMING" screen.
3. Press "Shift+F3" and then "ENTER". > Goes to the "TEST MODE PROGRAMMING" screen (System = 11 - 12).
4. Program the test Modes.

Please note that all Modes are available (1 - 12) when the radio is in Test Mode. This means that you may use Modes 1 - 12 for aligning the repeaters.

SmartLink Development

ESP604 Data Manager (Dmesp600 V1.3.0)

1. From the Main Screen select a "Customer" and then select a "Configuration Name"
2. From the Main Screen press "F3". > Goes to the "RADIO CONFIGURATION PROGRAMMING" screen.
3. Press "F5 - Edit Modes". > Goes to the "EDIT MODES" screen.
4. Press "Shift+F11". > Goes to the "TEST EDIT MODES" screen (Mode = T1 T2).
5. Program the test Modes.

Please note that four Modes are available (T1, T2, 3, 4) when the radio is in Test Mode. This means that you may use Modes T1, T2, 3 and 4 for aligning the repeaters.

Placing SEA radios in Test Mode

ESP504, ESP520, ESP520DX

1. Set the radio to OFF.
2. Insert the shorting jumper (Pin 1 to Pin 8) into the microphone jack.
3. Set the radio to ON.
4. Remove the Shorting Jumper from the microphone jack. The radio is now in Test Mode.
5. The front panel radio controls now function as follows.

Radio = RX TX

- a. AUX - Toggles Repeat to Talk-Around Sets to Full Power Test Tone while held
- b. SCN - Sets to Carrier Squelch No Function
- c. HRN - Sets to Open Squelch No Function
- d. PGM - No Function 1 KHz Test Tone

ESP604

1. Set the radio to OFF.
2. Insert the shorting jumper (Pin 1 to Pin 8) into the microphone jack.
3. Set the radio to ON. (If the Mode switch is set to 1 the Mode LEDs - 1 = OFF, 2-4 = ON)
4. Remove the Shorting Jumper from the microphone jack. The radio is now in Test Mode.
5. The front panel radio controls now function as follows.

Radio = RX TX

- a. AUX - Toggles Repeat to Talk-Around Sets to Full Power Test Tone while held
- b. SCN - Sets to Carrier Squelch 1 KHz Test Tone
- c. AUX - Toggles to Open Squelch Toggles from 1KHz Test Tone to Full Power Test Tone
w/ SCN ON

ESP700

1. Set the radio to OFF.
2. Press and Hold the "M" and the "#" keys.
3. Set the radio to ON.
4. Release the "M" and the "#" keys. The radio is now in Test Mode.
5. The front panel radio controls now function as follows.

Radio = R T

- a. # - Toggles to "T" TX mode Toggles to "R" RX Mode
- b. # - Will turn OFF a selected function.
- c. 1 - Sets to Open Squelch Do Not use
- d. 2 - Sets to Carrier Squelch 1 KHz Test Tone
- e. 6 - Do not use Sets to Full Power Test Tone
- f. T/A - Sets to Talk-Around Sets to Talk-Around (While radio is in receive)

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