
System Channels

The FS-1502 has 36 system settings (called "channels") which are set according to the country of delivery.

The hatched channels can be recalled with password "1502" on the system channel 9999, and the non-hatched channels can be recalled and changed by user.

Procedure to select a hatched channel

1. While pressing and holding down [#], turn the power on to enter System Channel Mode.
2. Select channel 9999 by the FREQ/CH encoder.
3. Press [#], [1], [5], [0], [2], [ENT]. ("1502" is password.)
4. Select a desired channel by the FREQ/CH encoder.

SYSTEM CHANNEL LIST

| CH No. | Function | Setting | | | | Factory Setting Configuration | | |
|--------|---|--|-------------------------|-------------|-------------------------|-------------------------------|-------|-------|
| | | 0 | 1 | 2 | 3 | A | B | PH |
| 9900 | Configuration | A | PH | B | | 0 | 2 | 1 |
| 9901 | User Memory Clear | | Clear | | | | | |
| 9902 | TX Frequency (NOTE 1) | Free/ ITU /Memory | ITU /Memory | Memory | Marine Free/ITU/ Memory | 0 | 1 | 2 |
| 9903 | RX Frequency (NOTE 1) | Free/ ITU /Memory | ITU /Memory | Memory | Marine Free/ITU/ Memory | 0 | 0 | 2 |
| 9904 | 2182kHz Class of Emission | H3E(AM) | J3E(USB) | | | 1 | 0 | 0 |
| 9905 | System Delay | 5-50ms | | | | 30 | 30 | 30 |
| 9906 | Two-tone Alarm Duration | 45sec. | Contiuous | Key pressed | | 0 | 0 | 0 |
| 9907 | LSB Usage | TX/RX | RX | Disable | | 0 | 2 | 2 |
| 9908 | H3E (AM) Usage | TX/RX | RX | Disable | 2182kHz | 0 | 3 | 3 |
| 9909 | TLX (Telex) Usage | TX/RX | RX | Disable | | 0 | 2 | 2 |
| 9910 | FAX (Weather Facsimile) Usage | TX/RX | RX | Disable | | 1 | 1 | 2 |
| 9911 | TX Tune | Enable | Disable | Automatic | | 0 | 0 | 0 |
| 9912 | Transmission of Test Alarm | Disable | Enable | | | 0 | 0 | 0 |
| 9913 | Test Alarm TX Frequency | Within permissible frequency range | | | | 2191k | 2191k | 2191k |
| 9914 | Remote Signal Format | MIF | TBUS | | | 0 | 0 | 0 |
| 9915 | Class of Emission for Selcall | Current | SSB | AM | TLX | 0 | 0 | 0 |
| 9916 | Key Response Tone | Off | On | | | 1 | 1 | 1 |
| 9917 | Scan Stop Signal Level | SQ level | 1-10 of S-meter reading | | | 3 | 3 | 3 |
| 9918 | Scan Dwell Time | 0-99s | | | | 2 | 2 | 2 |
| 9919 | Sweep Width | 10Hz-30MHz | | | | 100k | 100k | 100k |
| 9920 | Sweep Step Frequency | 10Hz-30MHz | | | | 1k | 1k | 1k |
| 9921 | Noise Blanker | Off | On | | | 1 | 1 | 1 |
| 9922 | AGC | Off | On | Mode | | 1 | 1 | 1 |
| 9923 | Squelch Activation (NOTE 2) | Voice | Level | V+L | V or L | 3 | 3 | 3 |
| 9924 | Squelch Level | 0-10  | | | | 5 | 5 | 5 |
| 9925 | TLX RX Bandwidth | Wide | Narrow | | | 0 | 0 | 0 |
| 9926 | Meter Indication (NOTE 3) | Ant Curr. | RF Power | | | 1 | 1 | 1 |
| 9927 | Clarifier | ± 150Hz | ± 100Hz | | | 0 | 0 | 0 |
| 9928 | Squelch Decay Time | 500-4000ms | | | | 1000m | 1000m | 1000m |
| 9929 | Squelch Activating Frequency | 500-2000Hz | | | | 1000 | 1000 | 1000 |
| 9930 | TX RF Power (High) | 0-255 | | | | 0 | 0 | 0 |
| 9931 | TX RF Power (Low) | 0-255 | | | | 50 | 50 | 50 |
| 9932 | ITU Channel | Standard | U.S.A. | | | 1 | 0 | 0 |
| 9933 | Tune Power | 0-255 | | | | 100 | 100 | 100 |
| 9934 | NBDP/DSC Connection | No | Yes | | | 0 | 0 | 0 |
| 9935 | User Memory Program | Enable | Disable | | | 0 | 1 | 1 |
| 9999 | Enter 1502 to access the hatched channels and to recall user channels in channel programming. | | | | | | | |

NOTE 1:

Free: free synthesis, 100Hz step on TX, 10Hz step on RX

1.6 – 30MHz

Marine Free: free synthesis in marine bands

1606.5 – 4438kHz

6200 – 6525kHz

8100 – 8815kHz

12230 – 13200kHz

16360 – 17410kHz

18780 – 18900kHz

19680 – 19800kHz

22000 – 22855kHz

25070 – 25210kHz

26100 – 26175kHz

NOTE 2: Squelch activation is the condition which opens the squelch.

Voice: The squelch opens by audio frequencies lower than 1000Hz (factory setting) is detected. The squelch activating frequency can be changed between 500 – 2000Hz on system channel 9929.

Level: The squelch opens depending on signal strength. The factory setting is 5. You can change the level between 0 – 10 on system channel 9924.

V + L: The squelch opens depending on both audio frequency and signal strength .

V or L: The squelch opens by either audio frequency or signal strength.

NOTE 3: Antenna coupler AT-1502 does not have an antenna current detection circuit. If display of antenna current is required, use Antenna Coupler AT-1500. In this case, be sure to set system channel 9926 for "0".

Channel Programming

The FS-1502 contains two memory banks (A and B) which can store up to 64 semi-duplex or 128 simplex user-programmed channels. In the case of semi-duplex channels, memory A stores SHIPS RX frequency and memory B, SHIPS TX. There is no protocol for writing in simplex channels.

Procedure

1. While pressing and holding down [#], turn the power on to enter System Channel Mode.
2. Release [#] when "MEMO" appears on the display.
3. Select channel 9999 by the FREQ/CH encoder.
4. Press [#], [1], [5], [0], [2], [ENT].
For configuration A, go to step 6.
For configurations B and PH, go to step 5.
5. Select channel 9935, then press [#], [0], [ENT] to enable the channel programming.
6. Select desired channel number and memory (for example, SIMP-A 1, SIMP-B 1) by the FREQ/CH encoder.
7. Press [A B] to select either simplex or duplex. "SIMP" or "DUP" appears on the LCD.
8. Press [#], enter frequency and press [ENT].
9. Press [MODE] to choose class of emission.
10. To write another channel, repeat steps 6 to 9.
11. For configurations B and PH, select channel "9935", then press [#], [1], [ENT] to disable the channel programming.
12. To escape from System Channel Mode, turn off the transceiver.