4.2 System Channels List

Note that channels marked by * can be recalled by entering the password on system channel 9999.

CH No.	Function	Setting					Default		
		0	1	2	3	4	Std	USA	Thai.
9900	* Country	Standard	USA	Thai.			0	1	2
9901	* User Channel Clear	[CH] [1] [ENT]							
9902	* TX PWR Data Clear	[CH] [1] [ENT]					150 W	150 W	100 W
9903	* TX Frequency	Free	ITU/ ROM	ROM	Marine Free		1	1	2
9904	* RX Frequency	Free	ITU/ ROM	ROM	Marine Free		0	0	2
9905	* ITU Channel	Standard	USA	Standard + MF			0	1	0
9906	* CH/Freq. Indication	CH/Freq.	Freq.	CH			0	0	0
9908	* TLX (Telex) Usage	TX/RX	RX	Disable			2	2	2
9909	* TLX RX Bandwidth	Wide (2.4 k)	Narrow (0.4 k)				0	0	0
9910	* System Delay	5 to 50 ms					10	10	10
9911	* H3E (AM) Usage	TX/RX	RX	Disable	2182	1 + 3	4	4	3
9912	* 2182 kHz Class of Emission	H3E	J3E	H3E Fixed			0	0	0
9914	* LSB Usage	TX/RX	RX	Disable			2	2	2
9915	* FAX (Weather Facsimile) Usage	TX/RX	RX	Disable			1	1	2
9917	* 2-tone TX, Test TX	2-tone: Enable Test: Disable	Both Enable			Both Disable	0	0	0
9918	* Test Alarm TX Frequency	1605.00 to 29999.9 kHz					2191 kHz		
9919	* Squelch during RX of 2-tone	Not Open	Open				1	1	1
9920	* TX TUNE	Enable	Disable	Auto			0	0	0
9921	* THRU Signal	Limited	RX				0	0	0
9922	* Meter Indication	IA	RF				1	1	1
9924	* Remote Signal Format	MIF	TBUS				0	0	0
9942	Key Response Tone	OFF	ON				1	1	1
9943	Noise Blanker	OFF	ON				1	1	1
9951	Scan Stop Signal Level	SQ Level	S: 1 to 10				3	3	3
9952	Scan Dwell Time	RX	1 to 99 sec				2	2	2
9953	Sweep Width	0.01 to 30000.00 kHz					100.0 kHz		
9954	Sweep Step Frequency	0.01 to 30000.00 kHz					1.00 kHz		
9955	Squelch Activation	Freq.	Level	AND	OR		3	3	3
9956	Squelch Level	S: 0 to 10					5	5	5
9957	Squelch Decay Time	500 to 4000 msec					1000 msec		
9958	Squelch Activating Frequency	500 to 2000 Hz					1000 Hz		
9998	* User Channel Memory/Power Adj.	Enable	TX/RX	RX	Disable		2	2	3
9999	Password	[CH] (Password) [ENT] to access asterisk-marked channels.							

Description of System Channel

1. 9900 (Country)
   System settings 9903 and above are preset to default values depending on local rules and regulations.

2. 9902 (TX power data clear)
   Power data is changed to default settings as below.
   · Standard, USA HIGH: 220 (150 W) LOW: 140 TUNE: 40
   · Thai HIGH: 170 (100 W) LOW: 140 TUNE: 40

3. 9903 (TX frequency)
   · 0: Free: Frequencies can be selected in the range of 1.6065 MHz to 29.9999 MHz. ITU and User channels are also available.
   · 1: ITU/ROM: ITU and User channels are available.
   · 2: ROM: User channel only
   · 3: Marine Free: Frequencies can be selected in the following range. ITU and User channels are also available.
   1606.5 – 4438; 6200 – 6525; 8100 – 8815; 12230 – 13200;
   16360 – 17410; 18780 – 19800; 22000 – 22855; 25070 – 26175 kHz

4. 9904 (RX frequency)
   · 0: Free: Frequencies can be selected in the range of 0.1000 MHz to 29.9999 MHz. ITU and User channels are also available.
   · 1: ITU/ROM: ITU and User channels are available.
   · 2: ROM: User channel only
   · 3: Marine Free: Frequencies can be selected in the following range. ITU and User channels are also available.
   1606.5 – 4438; 6200 – 6525; 8100 – 8815; 12230 – 13200;
   16360 – 17410; 18780 – 19800; 22000 – 22855; 25070 – 26175 kHz

5. 9905 (ITU channel)
   Refer to appendix 2 for ITU channel list.

6. 9906 (Channel/Frequency Indication)
   · 0: CH/Freq: The selected RX channel and frequency are displayed on the upper and lower rows respectively. The selected TX channel and frequency are indicated when the PTT switch is depressed.
   Both TX and RX frequency can be momentarily displayed on the upper and lower rows respectively by pressing [ENT].
   While pressing and holding down [ENT], press [CUSR] for momentary call of channel name or station name.

   · 1: FREQ: TX and RX frequencies are indicated on upper and lower rows respectively. The channel number are displayed momentarily when [ENT] is pressed.

   · 2: CH: TX and RX channels are indicated on upper and lower rows respectively. However, if a channel is preset by a frequency, instead of channel number, the frequency is displayed.
   Pressing [ENT] changes the display from "channel" to "frequency" momentarily.

7. 9909 (TLX RX Bandwidth)
   · 1: Narrow (0.4 kHz) requires an optional filter, SF0L04.

8. 9910 (TLX System Delay)
   Set to "10 msec" normally.

9. 9912 (2182 kHz Class of Emission)
   Selects class of emission for 2182 kHz signal when [2182] is pressed.
   [MODE] is inoperative if 2:H3E fix is selected.

10. 9917 (2-tone TX, Test TX)
   · 0: Pressing [2182], and then [ALM] and [ENT] together emits 2-tone alarm signal for 45 seconds. 9912 must be set to 0 or 2. The alarm TX frequency is selected on 9918.
   · 1: In addition to 2-tone alarm TX, test transmission is available if an optional dummy load 05P0670 is fitted. Press [ALM] and [INT] together, and test signal on the frequency selected on 9918 is transmitted for 45 seconds into the dummy.

11. 9919 (Squelch during 2-tone alarm reception)
   · 0: (Not open): 2182 kHz squelch frequency is set on 9958.
   · 1: (Open): 1300 Hz signal of 2-tone alarm opens squelch.

12. 9920 (TX TUNE)
   · 0: (Enable): Tuning is made when the PTT switch or [TX TUNE] is depressed.
   · 1: (Disable): No tuning function
   · 2: (Auto): Tuning is made when the TX frequency is changed.

13. 9921 (THRU signal)
    - 0: Limited: RX signal does not pass through tuning circuit:
      1) When TX and RX frequencies on MF are different.
      2) When TX and RX band on HF are different.(frequency separation of more than 1.2 MHz)
      3) At scan/sweep reception
    - 1: RX: RX signal does not passe through tuning circuit during reception.

14. 9922 (Meter Indication)
    - 0: IA: The meter indicates antenna current (IA).
      (The IA cannot be selected on the standard type.)
    - 1: RF: The meter indicates RF output level.

15. 9924 (Remote Signal Format)
    - 0: MIF: Furuno radio interface. Selected when Furuno DSC or NBDP terminal is connected.
    - 1: TBUS: For equipment made by "Thrane & Thrane A/S" of Denmark.

16. 9951 (Scan Stop Signal Level)
    - 0: SQ Level: Scan stops when the squelch opens.
    - 1 to 9: Scan stops when receiving signal level is higher than the preset level.

17. 9955 (Squelch Activation)
    - 0: Freq.: The squelch opens when the receiving signal is lower than the preset value (9958).
    - 1: Level: The squelch opens when the S-meter is higher than the preset value (9956).
    - 2: AND: The squelch opens when both frequency and level are satisfied.
    - 3: OR: The squelch opens when either frequency or level is satisfied.

18. 9958 (Squelch Activating Frequency)
    If a detected signal is lower than the preset one, it is recognized as audio signal, if higher, it is noise.

19. 9998 (User Channel Memory/Power Adjustment)
    - · 0: Enable: Enabling to write TX and RX frequencies and adjust TX power on user channels.
    - · 1: TX/RX: Enabling to write TX and RX frequencies on user channels.
    - · 2: RX: Enabling to write RX frequencies on user channel.
    - · 3: Disable: Disabling to write frequencies and adjust TX power on user channel.

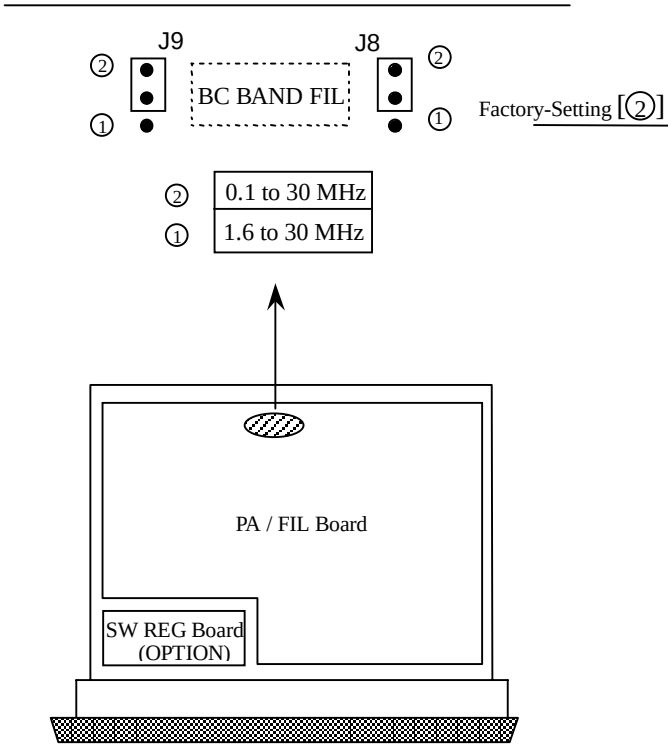
20. 9999 (Password)
    While pressing and holding down [CH], turn on the unit. Press [CH], enter a password, and then press [ENT]. All system settings can be changed.

4.5 BC Band Filter Setting

If MF/HF band is interfered with broadcast(BC) band, change jumper settings J8 and J9 from "2" to "1."

Position "1": Receiving frequency range from 1.6 MHz to 30 MHz

Position "2": Receiving frequency range from 0.1 MHz to 30 MHz



1.6 MHz HPF (High Pass Filter) is added on the receiving line with jumpers 8 and 9 set to "2".