

CHAPTER 2 SETTING-UP

This FS-1550 radiotelephone is provided with DIP switches to tailor it according to local regulations and user's requirements.

CAUTION

This instruction is prepared for use by authorized FURUNO agents or dealers to preset the equipment to comply with the local regulations of the user of this radiotelephone. Please carefully read the instructions and follow the recommended procedures for presetting the equipment.

FURUNO will assume no responsibility for the inconvenience or disturbance to communications due to inadequate or unlawful presetting of the equipment.

Please note again that the preset must be carried out by an authorized agent or dealer, not by the operator or owner of the equipment.

2.1 Function Of DIP Switches

Refer to the "CHAPTER 5 PARTS LOCATION" for location of the switches.

Table 2-1 DIP Switch and Corresponding Function

No. of DIP SW.	FUNCTION	S17-1	S17-2
S17-1 & S17-2	FREE TX/RX + ITU (TX/RX) + CUSTOM TX/RX FREE RX + ITU (TX/RX) + CUSTOM TX/RX FREE RX + ITU (RX) + CUSTOM TX/RX CUSTOM TX/RX	ON OFF ON OFF	ON ON OFF OFF

	FUNCTION	ON	OFF
S17-3	Initial class of emission at 2182kHz	J3E (USB)	H3E
S17-4	Usage of CW and TELEX	ENABLE	DISABLE
S17-5	Channelizing custom frequencies	TX and RX	RX only
S17-6	Sending "TUNE" signal to Antenna Coupler	ENABLE	DISABLE
S17-7	Receiving of 100kHz to 1,600kHz	ENABLE	DISABLE
S17-8	Display of the class of emission	ALL	Other than USB

*1: When a 50 ohm antenna such as doublet antenna, trap vertical, solid antenna matching device, etc. is directly connected to the transceiver unit, S17-6 should be turned to "OFF".

Table 2-2 DIP Switch and Corresponding Function

No. of DIP SW.	FUNCTION	I _{ANT}	I _{FIL}
S19	Indication of I _{ANT} or I _{FIL}	I _{ANT}	I _{FIL} *2

No. of DIP SW.	FUNCTION	ON	OFF
S20	Propagation Standard for RS-232C Port	T-BUS for TT-1600	FURUNO I/F

*2: For "I_{FIL}", refer to 2.2.

Standard Setting

Table 2-3 Standard Setting

No. of DIP SW.	ON/OFF
S17-1	OFF
S17-2	ON
S17-3	OFF
S17-4	OFF
S17-5	OFF
S17-6	ON
S17-7	ON
S17-8	ON
S19	I _{ANT}
S20	OFF

2.2 Alternation of I_{ANT} and I_{FIL}

Some licensing authorities require an indication of transmitter antenna current in amperes. The FS-1550 is factory set to display this. If not required by law, some users may prefer the meter to indicate power on the filter output line, which will be more uniform over the various frequencies and with various antenna configurations. This is accomplished by switching S19 to I_{FIL}.

2.3 Writing a Frequency into Memory

- 1) Turn on the power while pressing and holding [RCL]. Release [RCL] after "MEMO" appears on the LCD display.
- 2) Select a desired channel number by the tuning dial. (Rotate the tuning dial to reach desired TX channel. If you are channelizing a RX frequency, rotate it one click further to reach RX channel.)
- 3) Define the class of emission by selecting a desired one such as J3E(USB) through the [MODE] key.
- 4) Press [TX] or [RX] and enter desired frequency to the digit of 10Hz (i.e., 2182.00 - the decimal point is not necessary to enter, but do not neglect entry of 00).
- 5) Press [ENT].
- 6) Repeat steps 2 to 5 for other channels as many as necessary.

NOTE :

1. After TX frequencies are channelized, never fail to set segment No. 5 of DIP switch S17 to the OFF position.
2. How to channelize the RX frequencies is described in the Operator's Manual, but the method to channelize the TX frequencies is not disclosed to operators. Precaution should be taken to prevent users from channelizing unauthorized transmitting frequencies.

CHAPTER 5 PARTS LOCATION

5.1 TRANSCEIVER UNIT

1. 05P0271 CPU Board

