

JIL SX-100



SCANNING MONITOR RECEIVER

VHF Band	30-54 MHz
	140-180 MHz
UHF Band	410-514 MHz

OPERATING MANUAL

OPERATING INSTRUCTIONS

- a. Connect the power supply of 12 V DC or 120 V AC
Note: Do not forget to connect always the power supply because of clock operation.
 - b. Install the antenna
 - c. Turn power switch on (POWER)
Displays R 12-00
Increase the volume sound. Slide the squelch volume knob to the left side and you can receive weather band. (162,400 MHz)
 - d. When used this unit first, charging with electrocity is required for 5~ 10 hours under the conditions that the power switch is on.
1. Frequency Selection by Keyboard
Example: Selection of 30.115 MHz
 $\boxed{3} \boxed{0} \boxed{\text{ST}} \boxed{1} \boxed{1} \boxed{5} \rightarrow$ Display 30.115 MHz
 \uparrow When pushed this button, the above frequency is received.
Note: 1. The last number must be 0 or 5.
Example: Selection of 470.000 MHz
 $\boxed{4} \boxed{7} \boxed{0} \boxed{\text{ST}} \boxed{0} \boxed{0} \boxed{0} \rightarrow$ Display 470.000 MHz
 \uparrow When pushed this button, this frequency is received.
Note: 2. This unit displays six (6) figures only. So in case of seven (7) figures' band, please adjust to push the last number to 0 or 5 as the following example;
470.3125 (MHz) \rightarrow Select for 470.315 471.4375 (MHz) \rightarrow Select for 471.440
 2. To search a station by "SEEK" Key
* When pushed this key, the frequency is increased every 5 KHz for all the band and when received, it stops. As far as $\boxed{\text{ST}}$ button is not pushed, it moves to the direction of the frequency increased and when received, it stops to display.
* When you do not know the frequency exactly, to search more promptly, select a lower frequency than its frequency and push "SEEK" Key.
* The speed variation of "SEEK" is available. Push "SP" button to increase the speed. Push it again to decrease the speed.
* To stop "SEEK" operation, push $\boxed{\text{ST}}$ button.
* The frequency will be displayed continuously.
Note: After adjusting the squelch volume to eliminate the sound, push seek button.
 3. Memory Write (MW)
A. To write the frequency which is being received at present.
 $\boxed{\text{MW}} \boxed{\text{M1}}$: This means it was memorized in the memory No. 1. When desired to memorize in the other memory, push other $\boxed{\text{M()}}$ respectively.
B. In case that you know the frequency beforehand, select the frequency by keyboard to memorize.
Example: To memorize 470.015 MHz and write in Memory Channel 2.
 $\boxed{4} \boxed{7} \boxed{0} \boxed{\text{ST}} \boxed{0} \boxed{1} \boxed{5} \boxed{\text{MW}} \boxed{\text{M2}}$
 \uparrow When pushed this button 470.015 MHz is memorized.
Note: 1. Memory operation should be made within 5 seconds after pushing key button because after 5 seconds, time displays.
2. The prior memory contents will be changed to a new memorized frequency.
 4. Memory Read Key $\boxed{\text{M1}} \sim \boxed{\text{M16}}$
To select the memory by manual, when pushed $\boxed{\text{M1}}$, you can receive its frequency.
 5. Operation of "SCAN A"
Memory channel $\boxed{\text{M1}} \sim \boxed{\text{M16}}$ is scanned repeatedly. When the signal comes in, the scanning is stopped. When the signal is not received, it moves automatically to the next memory channel. At the time, if operates the "SCAN DELAY" volume, the starting time of scanning will be adjusted to hold for 4 seconds in maximum. Slide this "SCAN DELAY" knob to the right side to increase delay time.
 6. Operation of "SCAN WRITE" Key $\boxed{\text{SW}}$ & "SCAN B"
These keys are used to memorize the selection of memory channels (M1 ~ M16) which are desired to scan.
Note: To stop "SCAN A" or "SCAN B" operation, push $\boxed{\text{ST}}$ button by all means.
Example: In case of Scanning $\boxed{\text{M1}} \boxed{\text{M3}} \boxed{\text{M4}} \boxed{\text{M6}}$
 $\boxed{\text{SW}} \boxed{\text{M1}} \boxed{\text{M3}} \boxed{\text{M4}} \boxed{\text{M6}} \boxed{\text{SCAN B}}$
Scanning will be made in order of M1 ~ M16

7. "FR" Key

Display shows the time usually, this key is used to make sure of the frequency which is being received at present. After 5 seconds from pushing the key, the display will return to the TIME indication.

8. "WB1" "WB2" Keys

When pushed WB1, it displays 162.400 MHz., When pushed WB2, it displays 162.550 MHz.

9. "DAY" Key

A. This key is used to display Month & Day.

After 5 seconds, the display will return to the TIME indication.

Example: Display August 15 → 8-15

B. When put the display of "DAY" in;

Example: In case of August 15, using number key buttons;

0 8 1 5 DAY → 0 8 1 5 Before key in.
 8-15 After key in.

Must push two figures always

Example: For August 5
 0 8 0 5 DAY

Note: Month and Day will be changed as follows.

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
LAST DAY	31	29	31	30	31	30	31	31	30	31	30	31

10. "HOOR" Key

Usually it shows "Time" display.

The conditions such as scanning, seeking or frequency selection will be changed to TIME display after 5 seconds of the said operations. "HOOR" key will be used for TIME revise and for setting up the initial condition.

Example 1: To revise for 10:20 A.M.

Using number key buttons;

0 1 0 2 0 HOOR → 1 0 2 0 Before key in.
 A 1 0-2 0 After key in.

This number means A.M. or P.M.

0: A.M. (Ante Meridiem)

1: P.M. (Post Meridiem)

Example 2: To put 1: 15 P.M.

1 0 1 1 5 HOOR

Note: After finishing frequency selection, seek or scan operation, push ST button. Then after 5 seconds, it returns to time display.

CAUTION

1. Caution in regard to programmed memory. This unit will hold its memory for a maximum of 1 hour after disconnecting its power source (AC or DC). However the on/off power switch of the unit must be turned off before disconnecting. Otherwise it will be drained of its memory within 10 minutes.
2. During initial installation when power supply is connected and unit shows no display or error-display or no audio, please disconnect power source for approximately 1 minute and re-connect.
3. Frequency for weather band 162.400 MHz (WB-1) and 162.550 MHz (WB-2) are preset by the manufacturer and cannot be reset to other weather band frequencies. Therefore, please enter your desired WB frequencies in the memory display keys from M1 to M16.
4. When used this unit first, charging with electricity is required for about 10 hours under the conditions that the power switch is on.
5. Memory operation should be made within 5 seconds after pushing key button. Because after 5 seconds, TIME displays.
6. After finishing frequency selection, seek or scan operation, push ST button without fail.
7. Do not forget to connect always the power supply because of clock operation and memory back up.
8. This unit displays six (6) figures only. So in case of seven (7) figures' band, please adjust to push the last number to 0 or 5 as the following examples:

470.3125 (MHz) → Select for 470.315,

471.4375 (MHz) → Select for 471.440