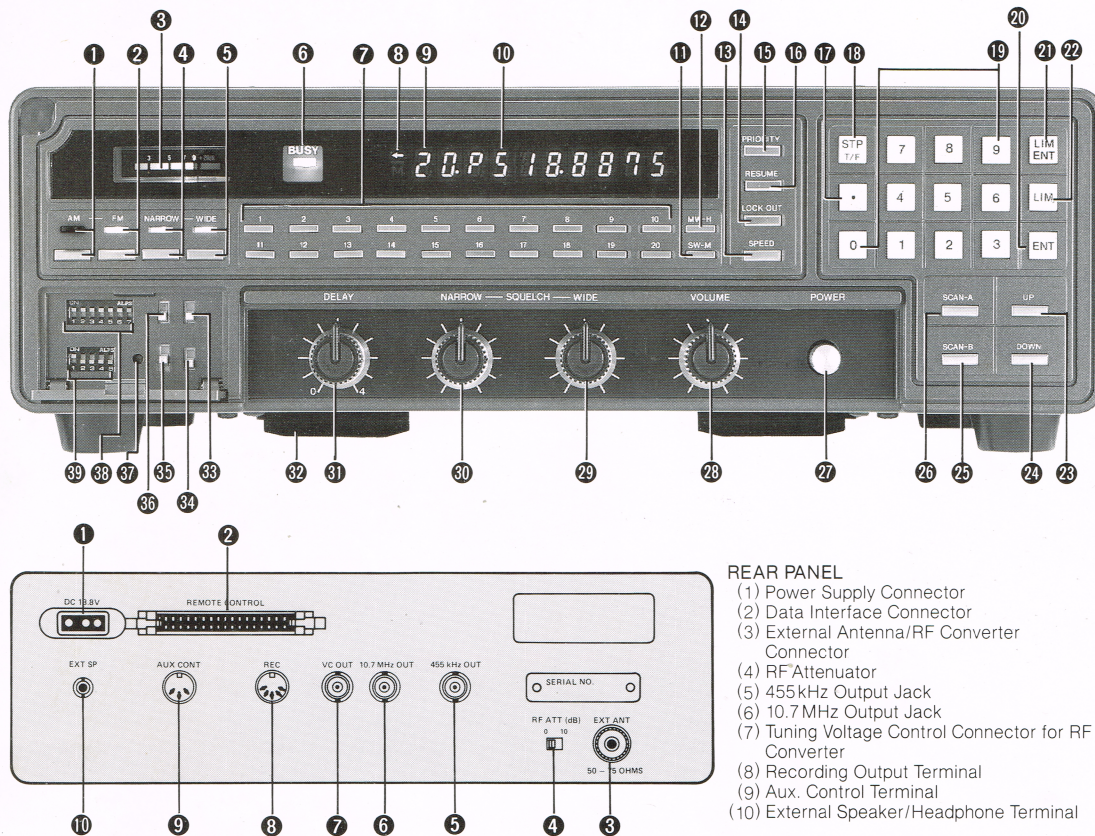


SX-400 26 ~ 520 MHz General Coverage Scanner



FRONT PANEL

- (1) AM Selector Switch/Indicator Lamp
- (2) FM Selector Switch/Indicator Lamp
- (3) Signal Meter
- (4) Narrow FM IF Filter Bandwidth Selector Switch/Indicator
- (5) Wide FM IF Filter Bandwidth Selector Switch/Indicator
- (6) Busy Indicator
- (7) 20 Channel Memory Keys
- (8) Lockout Indicator
- (9) Memory Channel Display
- (10) Frequency Display
- (11) Scan Write/Minute Adjustment Key
- (12) Memory Write/Hour Adjustment Key
- (13) Speed Change Switch
- (14) Lockout Key
- (15) Priority Key
- (16) Resume Key
- (17) Decimal (.) Key
- (18) Stop/Time, Frequency Change Switch
- (19) 0 ~ 9 Frequency Selector Keys
- (20) Frequency Entry Key
- (21) Limit Entry Key
- (22) Limit Search ON/OFF Switch
- (23) Search UP Key
- (24) Search DOWN Key
- (25) Scan-B Key
- (26) Scan-A Key
- (27) Power ON/OFF Switch
- (28) Volume Control
- (29) Wide Squelch Control
- (30) Narrow Squelch Control
- (31) Delay Control
- (32) Stand
- (33) Auto Noise Limiter Switch
- (34) Mute ON/OFF Switch
- (35) Dimmer Control Switch
- (36) Stop Mode Selector Switch
- (37) Memory Reset Switch
- (38) VHF 7 Band Channel Space Selector Switches
- (39) UHF 5 Band Channel Space Selector Switches

REAR PANEL

- (1) Power Supply Connector
- (2) Data Interface Connector
- (3) External Antenna/RF Converter Connector
- (4) RF Attenuator
- (5) 455 kHz Output Jack
- (6) 10.7 MHz Output Jack
- (7) Tuning Voltage Control Connector for RF Converter
- (8) Recording Output Terminal
- (9) Aux. Control Terminal
- (10) External Speaker/Headphone Terminal

10 MAJOR MERITS OF SX-400

- 1 WIDE FREQUENCY COVERAGE** 26 ~ 520 MHz General Coverage Scanning Monitor Receiver, AM/FM Change Mode Switch, Stop Mode Switch (Carrier and Voice, Voice only) on front panel.
- 2 EXPANSIBLE FREQUENCY COVERAGE** Optional RF Converters expand 100 kHz ~ 1.4 GHz UP.
- 3 DATA INTERFACE** Optional Data Interface Model RC-4000 for additional memory channels more than 20, record frequency, time and voice. Hi-speed reprogram of 20 channel memories. AND remote control of all SX-400 functions with DATA INTERFACE.
- 4 MOMENTARY MEMORY RECALL** One-touch, momentary recall of frequency and modulation (AM or FM) on any memory channel.
- 5 BIRDIE-FREE SEARCH** BFS (Birdie-Free Search) Circuit cancels all of the birdies.
- 6 CHANNEL SPACE SWITCHES** For Hi-Fi reception, setting switches for VHF 7 bands (5 or 6.25 kHz step) UHF 5 bands (10 or 12.5 kHz step) on front panel.
- 7 PRIORITY** Samples channel as priority frequently, automatically switches to channel 1 in any operation mode.
- 8 MUTING CIRCUIT** Carrier noise free and clear voice reception.
- 9 DUAL SQUELCH CONTROL** Individual squelch control for FM WIDE and AM/FM NARROW, no readjustment necessary with mode changed (Narrow/Wide).
- 10 AUTOMATIC NOISE LIMITER/FM IF FILTER BANDWIDTH SWITCH** Automatic noise limiter (ANL) circuit incorporated to minimize AM Pulse noise. Narrow/Wide FM IF Filter Bandwidth switch for FM/TV Broadcasts.

● SPECIFICATIONS

1. Type.....	AM-FM	6. Selectivity	FM	60 dB at ± 15 kHz	13. Search Speed	Fast	10 channel/sec.
2. Frequency Range	VHF 26 MHz ~ 299.990000 MHz	7. Squelch Threshold	AM	60 dB at ± 10 kHz		Slow	5 channel/sec.
	UHF ... 300 MHz ~ 520.000000 MHz		FM	Within $1.0 \mu V$	14. Delay Time		0 ~ 4 sec. variable
3. Sensitivity	VHF FM (S/N = 12 dB) $0.5 \mu V$	8. Scan Stop Sens	AM	Within $2.0 \mu V$	15. Memory Channels		20 channel
	AM (S/N = 10 dB) $1.0 \mu V$	9. Center Detector		Less than $2 \mu V$	16. Clock Error		Less than ± 10 sec.
	UHF FM (S/N = 12 dB) $0.5 \mu V$	10. Frequency Stability	VHF	$\pm 4 \sim \pm 7$ kHz	17. Antenna Impedance		50 ~ 70 Ω
	AM (S/N = 10 dB) $2.0 \mu V$		UHF	Less than 1 kHz	18. Power Supply		DC 13.8 V
4. S/N Ratio	45 dB	11. Audio Output		Less than 1 kHz	19. External Speaker Impedance		4 ~ 8 Ω
5. Image Rejection	VHF 50 dB	12. Scan Speed	Fast	4 W (load 4 Ω)	20. Dimensions		W 300 x H 90 x D 210 (mm)
	UHF 40 dB		Slow	4 channel/sec.	21. Weight		3.5 kg (excluding AC adaptor)

RC-4000 DATA INTERFACE

Control of SX-400 series Scanner and RF Converters through Computer

- Direct system for NEC 8801A computer.
- High-Speed Reprogramming of 20 channels.
- Scan of unlimited channels stored in computer.
- Record of Frequencies and Time of signals received.
- Automatic Control of Bands and Modes of RF converters and ACB-300.