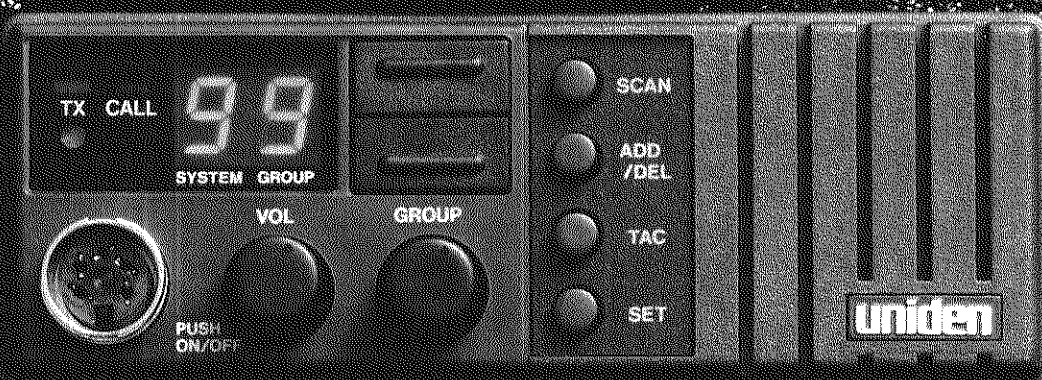


uniden®

Quality Goes The Distance



AMX 105A



SMS 835TS
SMS 935TS



SMS 825TS
SMS 925TS

FEATURES INCLUDE:

10 Systems Scan — First available on all systems.

Dynamic Scan Algorithm — Virtually eliminates missed calls.

2 Level Priority — Fixed or variable modes.

Programmable Call Light — For every call I.D.

Lock-Out — Temporarily removes unwanted systems.

Busy System Queuing — Selectable for each group.

I.D. Handshake occurs randomly to prevent interference.

Programmable Time Out Timer — Selectable from 30 seconds to 6 minutes in 8 steps. Each system may be programmed independently.

TAC Operation — Talk Around (or Tactical) feature allows direct communications even in poor repeater coverage areas. (Trunk Data Squelch System) SMS 825/835/935TS only.

Externally Programmable — All operation and feature programming is done via the microphone socket. Radios can be prepared for customers in just seconds.

Conventional Channels — 10 Conventional Channels may be combined with up to 9 Trunking Systems. Includes carrier squelch or Multiple DCS/CTCSS operation.

SMS 825/835/925/935TS

TRUNKING MOBILE RADIO SYSTEM
(800/900 MHz)

SMS SERIES

TRUNKING MOBILE RADIOS - 800/900 MHz

Typical Performance Specifications

General	Model Number*	RF Power	Talk Around - TAC	FCC Designation	Systems / Groups
800 MHz.	SMS 825TS/TSA	15 W (12W-TAC)	Yes	AMWUL024	10 / 10
	SMS 835TS/TSA	35 W (25W-TAC)	Yes	AMW9YRUL004	10 / 10
900 MHz.	SMS 925TS/TSA	12 W	No	AMWUL038	10 / 10
	SMS 935TS/TSA	30 W (20W-TAC)	Yes	AMWUL028	10 / 10

*Note: TS Models include AMX105A Heavy Duty Microphone, TSA Models do not. All models include power cable and hardware for dash mounting. Accessories available for Fixed (Control) Station and Telephone Interconnect use.

Size (W / H / D) - Weight	SMS 825 / 925	5.5" x 7.87" x 2.05" (140 x 200 x 52 mm) - 3.7 lbs. (1.7 kg.)
	SMS 835 / 935	5.5" x 8.27" x 2.05" (140 x 210 x 52 mm) - 3.9 lbs. (1.8 kg.)
Power Supply	All Models	13.6 VDC \pm 20%, Negative Ground Only.
Standby Current Drain	All Models	Up to 800 mA typical
Transmit Current Drain	SMS 825 / 925	Up to 8 Amps at 13.6 VDC.
	SMS 835 / 935	Up to 15 Amps at 13.6 VDC.
Temperature Range	All Models	- 30°C to + 60°C (- 22°F to +140°F)
Channel Spacing / Frequency Stability	SMS 825 / 835	25 kHz. (12.5 kHz. steps) / 2.5 ppm
	SMS 925 / 935	12.5 kHz. / 1.5 ppm

Transmitter

	800 MHz.	900 MHz.
Frequency Range	806 - 825 MHz.**	896 - 902 MHz.
TAC Freq. Range	851 - 870 MHz.	935 - 941 MHz.
Modulation:	16K0F3E	13K6F3E
	16K0F1D	13K6F1D
FM Hum and Noise	- 40 dB	- 35 dB
Audio Distortion	< 5%	< 5%
Spurious & Harmonics	- 60 dB	- 60 dB

**Note: FCC Type Approved for channels within the Frequency Range of 806 - 821/851 - 866 MHz.

Receiver

	800 MHz.	900 MHz.
Frequency Range	851 - 870 MHz.	935 - 941 MHz.
Sensitivity:		
	20 dB Quieting	0.5 μ V
	12 dB Sinad	0.35 μ V
Mod. Acceptance	\pm 7 kHz.	\pm 5 kHz.
Audio Output	2 W Int./ 5 W Ext.	2 W Int./ 5 W Ext.
Audio Distortion	< 5%	< 5%
Selectivity	> 65 dB	> 60 dB
Spurious Rejection	> 60 dB	> 60 dB
Image Rejection	> 65 dB	> 60 dB

U.S. Military Spec.

Standard	Mil. Spec. 810C		Mil. Spec. 810D		Mil. Spec. 810E	
	Method	Procedure	Method	Procedure	Method	Procedure
Low Pressure	500.1	I	500.2	II	500.3	II
High Temperature	501.1	I	501.2	I, II	501.3	I, II
Low Temperature	502.1	I	502.2	I, II	502.3	I, II
Temperature Shock	503.1	I	503.2	I	503.3	I
Solar radiation	505.1	I	505.2	I	505.3	I
Rain	506.1	II	506.2	II	506.3	II
Humidity	507.1	II	507.2	II, III	507.3	II, III
Salt Fog	509.1	I	509.2	I	509.3	I
Dust	510.1	I	510.2	I	510.3	I
Vibration	514.2	VIII, X	514.3	I	514.4	I
Shock	516.2	I, II, V	516.3	II, IV	516.4	I, IV

In addition to the models listed above Uniden also manufactures 800 and 900 MHz. Portable Radios, Full Duplex SMR Trunked Telephones and high power Repeater Systems. Contact your Authorized Uniden Dealer or your local Uniden Sales Representative for details.

uniden®
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Specifications subject to change without notice.