XTN Series Portable Radio

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For businesses with expanding communications needs, the multi-channel Motorola XTN radio offers a number of valuable extra features – yet is an economical choice. The XTN portable operates on 6 channels, reducing interference and minimizing user downtime spent waiting for an open channel. Selectable scanning allows users to choose certain channels for the radio to monitor. The enhanced VOX feature allows hands-free operation of the radio without the use of an accessory. Rugged and practical, the XTN radio provides the enhanced features and versatility essential to keep productivity at its highest and meet tough workplace demands.

Dependable Communication

The XTN Series portables offer better audio quality thanks to a newly designed chip and optimized acoustic cabinet that provides clearer audio at higher volumes. Their vigorous construction is designed to withstand the most grinding conditions your job can dish out.

Ample Talk Range

The improved selectivity, sensitivity and voice compression in the functional XTN Series radio widens your work space. The extended coverage means that these 2-watt models can cover up to 250,000 square feet or up to 20 floors.

Reduced Disruptions

The XTN Series portable two-way radio not only provides a clear channel with no interference, it also allows you to respond quickly. The XTN radio comes with over 120 private line codes, including 83 digital private line codes (DPL).

Easy Cloning Capabilities

For fleets that are constantly growing or for teams that are always on the move, the dynamic XTN Series radio allows you to quickly add radios to your existing fleet or move and entire team to a new location and set up in a hurry with all the appropriate channel and code settings in place.

Versatile Alternatives

The XTN radio is powered by a Nickel-Metal Hydride battery, which provides up to 15 hours of usage, accompanied by a drop-in charging tray.

The XTN Series radio can also accommodate AA batteries for situations where an electrical outlet is not available. You can expect up to 22 hours of battery life when using four AA batteries.

XTN SERIES TWO-WAY PORTABLE RADIO

Portable Radio Features

- 6 Channels
- PL / DPL
- 60 VHF Frequencies
- 48 UHF Frequencies
- Password Codes
- Voice Operated Transmit (VOX)
- Split Second Cloning (with the use of a Multi-Unit Charger)
- 2 Watts Output Power
- 3 Call Tones
- Keypad Lock
- Voice Scramble Mode
- Selectable Channel Scan
- Drop in Charger

Quality/Reliability

Motorola Accelerated Life Test (ALT)

Military Standards MIL-SPECS 810 C, D, E, & F

Contact your Motorola Representative for more information.

ACCESSORIES FOR THE XTN SERIES TWO-WAY PORTABLE RADIO

NiMH Rechargeable Battery
Part #NTN8971_R

Headset
Part #BDN6773

Multi-Unit Charger
Part #NNTN4028_R

General	VHF	UHF
Dimensions H x W x D	134.1mm x 64mm x 37.85mm (5.28 in. x 2.52 in. x 1.49 in.)	
Weight (with standard NiMH battery)	277.8g (9.8 oz.)	
Average Battery Life @5/5/90*	13 Hours with NiMH	
Model Number	P23SSF03B2AM	P24SSF03B2AM
Frequency Range	151-159 MHz	461-470 MHz
Channel Spacing	12.5 kHz (Companded Only) / 25 kHz	
Temperature Range	-30° to 60°C	
Frequency Stability	±2.5 ppm	
Talk Range**	Up to 23,225 m^2 (250,000 sq.ft.)	
Power Supply Voltage	4.8 Volts DC (NiMH Battery)	
FCC	AZ489FT3803	AZ89FT4851

* 5% receive; 5% transmit; 90% standby.
** Talk range may vary depending on terrain and conditions.

Transmitter	VHF	UHF
RF Power Output	2W	
Radiated Spurious Emissions	-57 dBm	
FM Hum and Noise (not applicable for companded mode)	-40 dB (non-companded) 25 KHz	
Modulation Limiting	±2.5 @ 12.5 kHz / ± 5 @ 25 kHz	
Audio Response (0.3 - 3 kHz)	+1, -3 dB	
Audio Distortion	5%	

Receiver	VHF	UHF
Sensitivity (12 dB SINAD) (typical)	-121 dBm (0.2 µV)	
Intermodulation	-55 dB	
Selectivity	-55 dB	
Spurious Rejection	-55 dB	
Output Audio Distortion (typical)	3%	
Hum and Noise	-40 dB	
Radiated Spurious Emissions	-20 dBm @ 12.5 KHz / -13 dBm @ 25 KHz	

MILITARY STANDARDS 810 C, D, E, & F: PARAMETERS/METHODS/PROCEDURES

	810C		810D		810E		810F	
Applicable MIL-STD	**Methods**	**Procedures**	**Methods**	**Procedures**	**Methods**	**Procedures**	**Methods**	**Procedures**
Low Pressure	500.1	1	500.2	1, 2	500.3	1, 2		
High Temperature	501.1	1, 2	501.2	1, 2	501.3	1, 2	501.4	1, 2
Low Temperature	502.1	1	502.2	1, 2	502.3	1, 2	502.4	1, 2
Temperature Shock	503.1	1	503.2	1	503.2	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1
Rain	506.1	1	506.2	1	506.3	1	506.4	1
Humidity	507.1	2	507.2	2, 3	507.3	2, 3	507.4	2, 3
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	1
Sand and Dust	510.1	1	510.2	1	510.3	1	510.4	1
Vibration	514.2	7, 8, 10	514.3	Procedure 1 Cat 8, 10	514.4	Procedure 1 Cat 8, 10	514.5	Procedure 1 Cat 8, 10
Shock	516.2	1, 2, 5	516.3	1, 4	516.4	1, 4	516.5	1, 4

Specifications subject to change without notice. All electrical specifications and methods refer to EIA/TIA 603 standards.

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