MOTOTRBO™
XPR™ 3000e SERIES

YOU'RE MORE PRDUCTIVE, CONNECTED.

With this dynamic evolution of MOTOTRBO digital two-way radios, you're better connected, safer and more efficient. The XPR 3000e Series is designed for the everyday worker who needs effective communications. With systems support and loud, clear audio, these next-generation radios deliver cost-effective connectivity to your organization.

CONNECTED

The MOTOTRBO XPR 3000e Series is a family of DMR-standard digital radios that delivers operations-critical voice communications. Bluetooth® audio lets you talk without wires and integrated Wi-Fi® enables remote software updates, giving you complete control of your radio fleet. With support for basic trunking as well as legacy analog technology, you can keep your organization connected as it grows.

SAFE

The XPR 3000e Series is designed to enhanced safety in your organization, with the rapid response capability of instant push-to-talk communications. Even if a worker is unresponsive, you can remotely activate the radio to check status ensuring your worker is safe. Privacy options are available to protect your communications, and radios can be remotely disabled if they are misplaced. New HazLoc models are available for use in areas where flammable or explosive materials are present.

EFFICIENT

With new noise cancellation technology and improved clarity, the XPR 3000e Series delivers excellent audio quality to make your workplace communications clearly intelligible. The latest energy technology delivers up to 28.5 hours of battery life for 3-shift working, and the optional IMPRES Over-the-Air Battery Management tool helps you maximize battery lifetime. An improved receiver boosts range by up to 8%, allowing you to reach further than ever.

NEXT GENERATION FEATURES

- Integrated Wi-Fi®
- Over-the-air software updates
- Bluetooth® 4.0
- Enhanced audio quality
- Improved expandability
- Better battery life (up to 28.5 hours)
- Better range (up to 8%)
- Better waterproofing (IP67)
- HazLoc models available

MOTOROLA *SOLUTIONS*

GENERAL SPECIFICATIONS

	LIMITED KEYPAD (LKP) MODEL		NO KEYPAD (NKP) MODEL	
Model Number	XPR 3500e		XPR 3300e	
Band	VHF	UHF	VHF	UHF
Frequency	136-174 MHz	403-512 MHz	136-174 MHz	403-512 MHz
High Power Output	5 W	4 W	5 W	4 W
Low Power Output	1 W	1 W	1 W	1 W
Channel Spacing	12.5, 25* kHz			
Channel Capacity	128		16	
Dimensions (H x W x D), Radio + Standard Battery	4.8 x 2.2 x 1.4 in (122 x 56 x 36 mm)			
Weight, Radio + Standard Battery	10 oz (281 g)		9 oz (264 g)	
Dimensions (H x W x D), Radio + High Capacity Battery	4.8 x 2.2 x 1.7 in (122 x 56 x 42 mm)			
Weight, Radio + High Capacity Battery	11 oz (309 g)		10 oz (292 g)	
FCC Description	AZ489FT7069	AZ489FT7068	AZ489FT7069	AZ489FT7068
IC Description	109U-89FT7069	109U-89FT7068	109U-89FT7069	109U-89FT7068
Digital / Analog Battery Life[1], Standard 2100 mAh Battery	19.5 / 14.0	18.5 / 14.0	19.5 / 14.0	18.5 / 14.0
Digital / Analog Battery Life[1], High Capacity 3000 mAh Battery	28.5 / 21.0	27.5 / 21.0	28.5 / 21.0	27.5 / 21.0
Power Supply (Nominal)	7.5 V			

TRANSMITTER SPECIFICATIONS	
4FSK Digital Modulation	12.5 kHz Data: 7K60F1D and 7K60FXD, 12.5 kHz Voice: 7K60F1E and 7K60FXE, Combination of 12.5 kHz Voice and Data: 7K60F1W
Digital Protocol	ETSI TS 102 361-1, -2, -3
Conducted/Radiated Emissions (TIA603D)	-36 dBm < 1GHz, -30 dBm > 1GHz
Adjacent Channel Power	60dB (12.5 kHz channel), 70dB (25* kHz channel)
Frequency Stability	± 0.5 ppm

RECEIVER SPECIFICATIONS	
Analog Sensitivity (12dB SINAD)	0.16 uV
Digital Sensitivity (5% BER)	0.14 uV
Intermodulation (TIA603D)	70 dB
Adjacent Channel Selectivity, (TIA603A)-1T	60 dB (12.5 kHz channel), 70 dB (25* kHz channel)
Adjacent Channel Selectivity, (TIA603D)-2T	45 dB (12.5 kHz channel), 70 dB (25* kHz channel)
Spurious Rejection (TIA603D)	70 dB

BLUETOOTH SPECIFICATIONS[3]	
Version	4.0
Range	Class 2, 33 ft (10 m)
Supported Profiles	Bluetooth Headset Profile (HSP), Serial Port Profile (SPP), Motorola fast push-to-talk.
Simultaneous Connections	1 x audio accessory
Permanent Discoverable Mode	Optional

AUDIO SPECIFICATIONS	
Digital Vocoder Type	AMBE+2™
Audio Response	TIA603D
Rated Audio	0.5 W
Audio Distortion at Rated Audio	3%
Hum and Noise	-40 dB (12.5 kHz channel), -45 dB (25* kHz channel)
Conducted Spurious Emissions (TIA603D)	-57 dBm

WI-FI SPECIFICATIONS	
Standards Supported	IEEE 802.11b, 802.11g, 802.11n
Security Protocol Supported	WPA, WPA-2, WEP
Maximum Number of SSIDs	64

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature[2]	-22 °F to +140 °F (-30 °C to +60 °C)
Storage Temperature	-40 °F to +185 °F (-40 °C to +85 °C)
Electrostatic Discharge	IEC 61000-4-2 Level 4
Dust and Water Intrusion	IEC 60529 - IP67, 3.3 ft (1m) for 30 mins
Packaging Test	MIL-STD 810D and E

HAZLOC CERTIFICATION
When properly equipped with Motorola UL-Approved battery, XPR 3000e Series radios are UL-Approved to TIA-4950 for use in Hazardous Locations, Division 1, Class I, II, III, Groups C,D,E, F, G; Division 2, Class 1, Groups A,B,C,D, T3C. Tamb = -25°C to +60 °C.

NOTES
1: Typical battery life, 5/5/90 profile at maximum transmitter power with Wi-Fi and applications disabled. Actual observed runtimes may vary.
2: Radio only. Specialized low-temperature battery required for operation below 14 °F (-10 °C)
3: Please check for availability of Bluetooth functionality.
Specifications subject to change without notice. All specifications shown are typical values.

*25 kHz channels not available in USA.

CONNECTION
- VHF Band, 5 W
- UHF Band, 4 W
- LKP Models: Mono screen, limited keypad, 128 channels
- NKP Models: No screen or keypad, 16 channels
- Analog and Digital
- Voice and text only
- Integrated Wi-Fi
○ Bluetooth Audio[3]
- Canned Text Messaging
- Voice Announcement
- Home Channel Reminder

AUDIO
- Intelligent Audio
- IMPRES Audio
○ SINC+ Noise Cancellation
- Acoustic Feedback Suppressor
- User-Selectable Audio Profiles
- Trill Enhancement
- Switch Speaker

CUSTOMIZATION
- Wide range of Accessories
- Slim GCAI Connector
- 4 Programmable Buttons (LKP)
- 2 Programmable Buttons (NKP)

MANAGEMENT
○ Radio Management
○ Over-the-Air Programming
○ Over-the-Air Software Update
- IMPRES Energy
○ IMPRES Battery Management
○ Over-the-Air Battery Management

SYSTEMS
- Dual Capacity Direct Mode
- Conventional
- IP Site Connect
- Capacity Plus Single/Multi Site

SAFETY
- Lone Worker
- Basic Privacy
○ Enhanced Privacy
- Transmit Interrupt (Decode)
○ Transmit Interrupt (Encode)
- Digital Emergency
- Emergency Search Tone
- Remote Monitor (Decode)
- Radio Disable / Enable (Decode)
○ HazLoc certification
- Waterproof to IP67
- Rugged to MIL-STD 810

○ Optional

MILITARY STANDARDS

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High Temp	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.5	I/A1, II/A1
Low Temp	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.5	I/C3, II/C1
Temp Shock	503.1	I	503.2	I/A1/C3	503.3	A1/C3	503.4	I	503.5	I-C
Solar Radiation	505.1	II	505.2	I/Hot-Dry	505.3	I/Hot-Dry	505.4	I/Hot-Dry	505.5	I-A1
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II/Hot-Humid	507.3	II/Hot-Humid	507.4	-	507.5	II/Hot-Humid
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-	509.5	-
Dust	510.1	I, II	510.2	I, II	510.3	I, II	510.4	I, II	510.5	I, II
Vibration	514.2	VIII/F, W, XI	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24, II/5	514.6	I/24, II/5
Shock	516.2	II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV

To get connected with MOTOTRBO, please contact your local Motorola representative or visit motorolasolutions.com/MOTOTRBO

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MOTOTRBO™
DIGITAL REMASTERED.