



**DIGITAL, NOW WITHIN REACH**

# MOTOTRBO™ XiR™ P6600 SERIES DIGITAL TWO-WAY PORTABLE RADIOS



Monitoring supply needs on a manufacturing line or reporting an emergency on school grounds, how do you keep employees connected and students safe? MOTOTRBO digital radio solutions can help by putting the power of digital communications within reach.

Versatile and powerful, MOTOTRBO combines the best of two-way radio functionality with the latest digital technology. XiR P6600 Series radios offer best-in-class audio in a scalable solution to meet your communication needs. Because they are also analog interoperable, you can make the transition to digital at your own pace and budget.

The XiR P6600 Series radios can remaster your workplace and the way people collaborate to help you achieve even greater productivity, safety and cost-effectiveness.

**PRODUCT SPEC SHEET**

MOTOTRBO™ XiR P6600 SERIES PORTABLE RADIOS

RECEIVER		
	VHF	UHF
Frequencies	136-174 MHz	403-527 MHz
Channel Spacing	12.5/25 kHz	
Frequency Stability	± 0.5 ppm	
Analog Sensitivity (12dB SINAD) Typical	0.3uV 0.22uV (typical)	
Digital Sensitivity	0.25 uV (0.19 uV typical)	
Intermodulation (TIA603D)	70 dB	
Adjacent Channel Selectivity (TIA603A)-1T	60dB @ 12.5kHz / 70dB @ 25 kHz	
Adjacent Channel Selectivity (TIA603D)-2T	45dB @ 12.5kHz / 70dB @ 25 kHz	
Spurious Rejection (TIA603D)	70 dB	
Rated Audio	0.5W	
Audio Distortion @ Rated Audio	5% 3% (typical)	
Hum and Noise	-40dB @ 12.5kHz / -45dB @ 25 kHz	
Audio Response	TIA603D	
Conducted Spurious Emission (TIA603D)	-57 dBm	

**ENVIRONMENTAL SPECIFICATIONS:  
DISPLAY XiR P6620 & NON-DISPLAY XiR P6600**

Operating Temperature	-30° C / +60° C
Storage Temperature	-40° C / +85° C
Thermal Shock	Per MIL-STD
Humidity	Per MIL-STD
ESD	IEC 61000-4-2 Level 3
Dust and Water Intrusion	IEC60529 - IP55
Packaging test	MIL-STD 810D and E

Testing completed using portable radio with attached battery and antenna

TRANSMITTER		
	VHF	UHF
Frequencies	136-174 MHz	403-527 MHz
Channel Spacing	12.5/25kHz	
Frequency Stability	± 0.5 ppm	
Low Power Output	1W	1W
High Power Output	5W	4W
Modulation Limiting	± 2.5 kHz @ 12.5 kHz	
	± 5.0 kHz @ 25 kHz	
FM Hum and Noise	-40 dB @ 12.5 kHz	
	-45 dB @ 25 kHz	
Conducted/Radiated Emission	-36 dBm < 1 GHz	
	-30 dBm > 1 GHz	
Adjacent Channel Power	60 dB @ 12.5 kHz	
	70 dB @ 25 kHz	
Audio Response	TIA603D	
Audio Distortion	3%	
4FSK Digital Modulation	12.5kHz Data: 7K60F1D & 7K60FXD	
	12.5kHz Voice: 7K60F1E & 7K60FXE	
	Combination of 12.5 kHz Voice and Data: 7K60F1W	
Digital Vocoder Type	AMBE+2™	
Digital Protocol	-ETSI TS 102 361 -1,-2,-3	

Please contact your Motorola sales representative for battery runtime expectations based on your specific radio configuration.

Specifications subject to change without notice. All specifications shown are typical.

Radio meets applicable regulatory requirements.

For more information on how to reach it all with digital, visit [motorolasolutions.com/mototrbo](http://motorolasolutions.com/mototrbo)

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**MOTOTRBO**  
DIGITAL  
REMASTERED.

