



Boost your mobile team's productivity with DispatchPlus.

When it comes to managing mobile workers, nothing is more critical than communication. With the DispatchPlus robust Workforce Management Solution from pdvWireless, it's easier than ever to connect with your mobile workers and boost productivity. The rugged Motorola XPR™ 7580 Digital Two-Way Portable Radio includes our full suite of high-productivity features running on the only nationwide network designed for business. You can track, communicate and collaborate with ease and efficiency... no matter how demanding the environment.

Convey critical information with the touch of a button

Field workers can convey critical information to the office with voice, time stamp and GPS location with the touch of a button. Customer-defined subject lines like "Job Complete" or "Service Outage" eliminate calls to the office, helping busy managers prioritize responses and implement scheduling changes to maximize field productivity.

Optimize performance with Geofences

Establishing virtual fences delivers a higher degree of monitoring, increasing worker visibility and performance. Automatic alerts provide arrival and departure information on each worker, eliminating calls to the office and

return trips to customer locations. This workflow optimization allows larger ratios of workers in the field per dispatcher, thereby increasing productivity and profitability.

Communicate simply with Voice Documentation

Capture, report and resolve customer and company-impacting situations with Voice Documentation. Easily record detailed logistics that pertain to a job or customer interaction with the simple push of a button. Voice documentation eliminates the manual entry of illegible reports and forms, and can easily be integrated with your CRM solution for future use.



pdvWireless delivers proven push-to-talk solutions, provided through our own nationwide network dedicated exclusively to business. We help mobile workforces connect more reliably and efficiently than ever before.

From the factory worker building components to the road crew making repairs, MOTOTRBO can transform your enterprise and make employee interactions smarter and safer. Our best-in-class audio and unrivaled data capabilities empower people like never before.

Versatile and powerful, MOTOTRBO combines the best of two-way radio functionality with the latest digital technology. The XPR 7580 radio integrates voice and data seamlessly, offers enhanced features that are easy to use, and deliver business-critical advantages like integrated Bluetooth® and Intelligent Audio.

The XPR 7580 can remaster your workplace and the way people collaborate to help you achieve even greater efficiency.

Audio beyond expectations

When it comes to exceptional audio clarity, the quality of digital can't be denied. The XPR 7580 portable gives you digital audio performance throughout your coverage area plus unique features to help your employees hear and speak clearly, wherever they work.

With Intelligent Audio, the radio volume automatically adjusts to compensate for background noise so workers don't have to adjust their radio volume to avoid missing a call in loud situations or disturb others when they move into quiet areas. Increased background noise suppression helps filter out unwanted external clamor – from heavy equipment to the roar of engines.

Bluetooth® audio is embedded right in the radio, so no adapter is needed when using wireless accessories. Also, IMPRES™ audio accessories enhance noise suppression and improve voice intelligibility for smarter accessories than they've ever experienced before.

Industry-leading data

The XPR 7580 radio features integrated Bluetooth® data, so rather than waiting until the end of a shift, busy work crews can send real time information back to the office, saving valuable hours and enabling better decision making. Integrated GPS enables location tracking of mobile work teams and text messaging enables communication when voice isn't feasible. And the large, full-color, 5-line display operates in day or night mode, for easy viewing of contact lists, text messages and work order tickets even in bright sunlight.

High-powered performance

Because MOTOTRBO uses TDMA digital technology, you get integrated voice and data, twice the calling capacity and clearer voice communications. When it comes to battery performance, MOTOTRBO radios operate up to 40 percent longer between recharges compared to analog.

Rich functionality


The XPR 7580 radio offers plenty of features businesses seek – including enhanced call signaling, basic and enhanced privacy-scrambling, option board expandability and the transmit interrupt suite to prioritize critical communication the moment you need it. Programmable button features appear on the display for easy viewing and quick access. And when workers can't be distracted, customizable voice announcement provides audible confirmation of channel and zone changes as well as programmable button features, eliminating the need to view the display.


Day-in, day-out durability

The XPR 7580 radio meets the most demanding specs, including IP57 for water submersibility and U.S. Military 810 C, D, E, F, & G standards for exceptional durability. The radio is also "intrinsically safe" when purchased and equipped with an intrinsically safe (FM) battery, for use in environments where flammable gas, vapors or combustible dust may be present. And it's backed by a two-year Standard Warranty, one-year Repair Service Advantage (US)/Extended Warranty (Canada) and minimum 1-year warranty for batteries and accessories.





KEEP YOUR BUSINESS RUNNING SMOOTHLY WITH INCLUDED BUSINESS APPLICATIONS:


 **Location tracking:** Monitor the whereabouts of mobile workers so they can respond immediately; in an emergency, you can pinpoint security personnel and send the nearest to the location.

 **DispatchPlus Mobile Resource Management** for faster customer response.


 **Integrated Bluetooth®** for sharing data wirelessly and instantly between devices.

 **Web Based Dispatch consoles** to locate and communicate with your mobile workers.

 **Deliver a PTT Call** to 50 email addresses or mobile phones.

 **Text messaging** for quick and discreet communication.

OPTIONAL

 **Man-down applications** so radios call for help when workers can't.

XPR 7580 SPECIFICATIONS

GENERAL SPECIFICATIONS	
FULL DISPLAY AND KEYPAD XPR 7580 800/900	
Channel Capacity	1000
Frequency	806-825 MHz
	851-870 MHz
	896-902 MHz
	935-941 MHz
IMPRES Hi-Cap Li-ion 2150 mAH Battery (PMNN4409)	(HxWxL) 5.13 inch / 2.17 inch / 1.62 inch (130.3 mm / 55.2 mm / 41.1 mm)
	Weight 12.35 oz (350.0 g)
Slim IMPRES Li-ion 1500 mAH Battery (PMNN4407)	(HxWxL) 5.13 inch / 2.17 inch / 1.41 inch (130.3 mm / 55.2 mm / 35.8 mm)
	Weight 11.64 oz (330.0 g)
IMPRES Hi-Cap Li-ion FM 2300 mAH Battery (NNTN8129)	(HxWxL) 5.13 inch / 2.17 inch / 1.62 inch (130.3 mm / 55.2 mm / 41.1 mm)
	Weight 12.70 oz (360.0 g)
Power Supply	7.5 V (Nominal)
Operating Temperature	-30°C - +60°C ¹
FCC Description	ABZ99FT5014
IC Description	109AB-99FT5014

BATTERY	
Average Battery Life	Analog / Digital, conventional operation, 5/5/90 duty cycle with carrier squelch and transmitter in high power ²
Slim IMPRES Li-ion 1500 mAH Battery	9.5 hrs / 12.0 hrs
IMPRES Hi-Cap Li-ion 2150 mAH Battery	13.5 hrs / 17.0 hrs
IMPRES Hi-Cap Li-ion FM 2300 mAH Battery	14.5 hrs / 18.2 hrs

GPS	
Accuracy specs are for long-term tracking (95th percentile values > 5 satellites visible at nominal -130 dBm signal strength)	
TTFF (Time To First Fix) - Cold Start	< 60 seconds
TTFF (Time To First Fix) - Hot Start	< 10 seconds
Horizontal Accuracy	< 5 meters

BLUETOOTH	
Version	Supports Bluetooth® 2.1 + EDR Specification
Range	Class 2, 10 meters

FACTORY MUTUAL APPROVALS

MOTOTRBO XPR 7000 Series portable radios have been certified by FM in accordance with U.S. Codes as intrinsically safe for use in Class I, II, III, Division 1, Groups C, D, E, F, G, when properly equipped with a Motorola FM approved battery option. They are also approved for use in Class I, Division 2, Groups A, B, C, D.

RECEIVER	
	800/900
Channel Spacing	12.5/25 kHz ³
Frequency Stability (-30°C, +60°C, +25°C Ref)	± 0.5 ppm
Analog Sensitivity (12dB SINAD)	0.3uV (0.22uV typical)
Digital Sensitivity (5% BER)	0.25uV (0.19uV typ)
Intermodulation (TIA603D)	70 dB
Adjacent Channel Selectivity (TIA603A)-1T	60dB @ 12.5 kHz / 70dB @ 25 kHz ³
Adjacent Channel Selectivity (TIA603D)-2T	45dB @ 12.5 kHz / 70dB @ 25 kHz ³
Spurious Rejection (TIA603D)	70 dB
Rated Audio	0.5W
Audio Distortion @ Rated Audio	5% (3% typical)
Hum and Noise	-40dB @ 12.5 kHz / -45dB @ 25 kHz ³
Audio Response	TIA603D
Conducted Spurious Emission (TIA603D)	-57dBm

TRANSMITTER	
	800/900
Channel Spacing	12.5/25 kHz ³
Frequency Stability (-30°C, +60°C, +25°C Ref)	± 0.5 ppm
Low Power Output	1W
High Power Output	2.5W
Modulation Limiting	± 2.5 kHz @ 12.5 kHz / ± 5.0 kHz @ 25 kHz ³
FM Hum and Noise	-40dB @ 12.5 kHz / -45dB @ 25 kHz ³
Conducted/Radiated Emission	-36 dBm < 1GHz / -30 dBm > 1GHz
Adjacent Channel Power	60dB @ 12.5 kHz / 70dB @ 25 kHz ³
Audio Response	TIA603D
Audio Distortion	3%
4FSK Digital Modulation	12.5 kHz Data: 7K60F1D & 7K60FXD
	12.5 kHz Voice: 7K60F1E & 7K60FXE
	Combination of 12.5 kHz Voice & Data: 7K60F1W
Digital Vocoder Type	AMBE+2™
Digital Protocol	ETSI TS 102 361-1, -2, -3

ENVIRONMENTAL SPECIFICATIONS

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	IEC 60529 - IP57
Packaging test	MIL-STD 810D and E

Testing completed using portable radio with attached battery and antenna.

8/900 BAND SUPPORT

XPR7580 radios support only the following frequencies:

TX: 806.0125, 806.5125, 807.0125, 807.5125, 808.0125, 809.000 - 820.9875, 821.0125, 821.5125, 822.0125, 822.5125, 823.0125, 824.000 - 825.000 and 896.000 - 902.000.

TX/RX: 851.0125, 851.5125, 852.0125, 852.5125, 853.0125, 854.000 - 865.9875, 866.0125, 866.5125, 867.0125, 867.5125, 868.0125, 869.000 - 870.000 and 935.000 - 941.000

¹ Radio only - Li-Ion battery -10°C to +60°C

² Actual battery runtime observed may vary based on the use of certain features such as GPS, Bluetooth, and Expansion Card based applications.

Battery life for trunking operation may be up to 30% less than for conventional operation.

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

³ 25kHz channel available in Canada only. 25kHz channel not available for 900 band.

MILITARY STANDARDS

APPLICABLE MIL-STD	810C		810D		810E		810F		810G	
	METHOD	PROCEDURES	METHOD	PROCEDURES	METHOD	PROCEDURES	METHOD	PROCEDURES	METHOD	PROCEDURES
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High Temperature	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
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I-C3, II/C1	502.5	I, II
Temperature Shock	503.1	-	503.2	I/A1/C3	503.3	I/A1/C3	503.4	I	503.5	I-C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	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	507.3	II	507.4	-	507.5	II
Salt fog	509.1	-	509.2	-	509.3	-	509.4	-	509.5	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Vibration	514.2	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24	514.6	II/5
Shock	516.2	I, II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV, VI

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

Radio meets applicable regulatory requirements.

MOTOTRBO™
DIGITAL REMASTERED.