



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™ 5580 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 delivery driver crisscrossing the city to the sanitation crew clearing streets, MOTOTRBO can transform your enterprise and make employee interactions smarter and safer. Our best-in-class audio and exceptional 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 5580 radio integrates voice and data seamlessly, offers enhanced features that are easy to use, and delivers operations-critical advantages like integrated Bluetooth® and Intelligent Audio.

The XPR 5580 can remaster your workplace and the way people collaborate to help you achieve even greater efficiency.

Superb audio

When it comes to exceptional audio clarity, the quality of digital can't be denied. With the XPR 5580 mobile, you get all the benefits of digital plus unique features to help your employees hear and be heard clearly, wherever they work.

Intelligent Audio automatically adjusts the radio's volume in response to background noise: you can hear clearly when you're driving, and you're not deafened when the engine is switched off. IMPREST™ Audio filters out unwanted external clamor, so you can always be heard clearly at the other end. And integrated Bluetooth® Audio capability gives you the freedom to work without wires.

Full data capabilities

XPR 5580 radios allow you to exploit the full capabilities of digital two way radio. Beyond simple voice, you can use data, text messaging, location-tracking and work order ticket management to improve your workforce's safety, efficiency and accountability.

The XPR 5580 radio has integrated GPS, enabling location tracking of your mobile work teams. And to facilitate information collection in the field, you can use the Bluetooth® data option to wirelessly interface with Bluetooth®-enabled devices such as barcode scanners.

Comprehensive personalization

A broad range of complementary accessories are available for the XPR 5580 radio. The Long Range Wireless Mobile Microphone allows you to stay connected even when you're up to 100m (330 ft) from your vehicle. The Handheld Control Head puts total control into your hand, allowing you to install the radio in a convenient location. There's even a telephone style handset for discreet communications to VIP bus and limousine drivers. However you communicate, your XPR 5580 radio can be customized to fit your style.

Feature-rich powerhouse

The XPR 5580 radios is designed for the demanding user. It offers advanced features such as transmit interrupt, enhanced privacy and text-to-speech. Four programmable buttons on the front panel allow you to customize the radio for quick access to frequently-used features.


Day-in, day-out durability


The XPR 5580 radio is made to last. It is rated IP54 (splashproof, virtually dustproof), so it can be used even in harsh environments. Moreover, it has been proven tough in Motorola's grueling Accelerated Life Test program, in which the design must survive a simulated 5 years of hard service before it is accepted.

The XPR 5580 is backed by a two-year Standard Warranty (US and Canada) with a minimum one-year warranty on Motorola-branded accessories. Because wear and tear happens, Motorola recommends Service from the Start, which delivers accelerated turnaround on radio repairs and even covers shipping costs. By reducing your downtime, Service from the Start helps you to lower your total cost of ownership and focus on your business operations, not your technology.





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 5580 RADIO SPECIFICATIONS

GENERAL SPECIFICATIONS		XPR 5580
		800/900
Channel Capacity		Up to 1,000
Typical RF Output	Low Power	
	High Power	806-870 MHz: 10-35 W 896-941 MHz: 10-30 W
Dimensions (H x W x L)		2.1 x 6.9 x 8.1 in (53.3 x 175.3 x 205.7 mm)
Weight		3.9 lbs (1.8 kg)
Maximum Current Drain	Standby	0.81 A
	Receive (Rated Audio)	2 A
	Transmit	12 A
FCC Description		AZ492FT5862
IC Description		109U-92FT5862

RECEIVER		800/900
Frequencies		851-870 MHz 935-941 MHz
Channel Spacing		851-870 MHz 12.5/25 kHz* 935-941 MHz: 12.5 kHz
Frequency Stability (-30°C, +60°C, +25°C Ref)		± 0.5 ppm
Analog Sensitivity (12dB SINAD)		0.3 µV (12 dB SINAD) 0.22 µV (Typical, 12 dB SINAD) 0.4 µV (20 dB SINAD)
Digital Sensitivity		5% BER @ 0.25uV (0.19uV typical)
Intermodulation (TIA603D)		75 dB
Adjacent Channel Selectivity (TIA603D)		50 dB @ 12.5 kHz 75 dB @ 25 kHz*
Spurious Rejection (TIA603D)		75 dB
Rated Audio		3 W (Internal), 7.5 W (External - 8 ohms) 13 W (External - 4 ohms)
Audio Distortion @ Rated Audio		3% (typical)
Hum and Noise		-40 dB @ 12.5 kHz/-45 dB @ 25 kHz*
Audio Response		TIA603D
Conducted Spurious Emission (TIA603D)		-57dBm

TRANSMITTER		800/900
Frequencies		806-870 MHz 896-941 MHz
Channel Spacing		806-870 MHz 12.5/25 kHz* 896-941 MHz: 12.5 kHz
Frequency Stability (-30°C, +60°C, +25°C Ref)		± 0.5 ppm
Low Power Output		
High Power Output		806-870MHz 10-35W 896-941MHz 10-30W
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%
FM Modulation		12.5 kHz: 11K0F3E / 25 kHz*: 16K0F3E 12.5 kHz Data Only: 7K60F1D & 7K60FXD
4FSK Digital Modulation		7K60FXE
		N/A
Digital Vocoder Type		AMBE+2™
Digital Protocol		ETSI TS 102 361-1, -2, -3

GPS	
Accuracy specs are for long-term tracking (95th percentile values > 5 satellites visible at a nominal -130 dBm signal strength)	
TTFF (Time To First Fix) Cold Start	< 1 minute
TTFF (Time To First Fix) Hot Start	< 10 seconds
Horizontal Accuracy	< 5 meters

BLUETOOTH	
Version	Supports Bluetooth® 2.1 + EDR Specification
Profiles Supported	Bluetooth Headset Profile (HSP), Serial Port Profile (SPP), Motorola fast push-to-talk.
Devices Supported	Radio supports 1 Bluetooth audio accessory and 1 Bluetooth data device simultaneously
Range	Class 2, 10 meters

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	IP54, MIL-STD
Packaging test	MIL-STD 810C, D, E, F, and G

*25 kHz is NOT available in the USA. FCC narrowbanding rules do not allow operation of this model on 25 kHz configuration in Part 90 VHF/UHF frequencies

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/C3, 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 - Aggravated
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	I/24
Shock	516.2	I, II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV, V, VI

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

Radio meets applicable regulatory requirements. Version 5, 11/14

MOTOTRBO™
DIGITAL REMASTERED.