

Mag One BPR 50dX

Partner Presentation



July 2024



MOTOROLA SOLUTIONS

Mag One BPR 50dX

Built for the fast-paced world of business



Retail

Today's shopper expects quick resolution; provide a seamless experience with uninterrupted talk time and clear audio.



Event management

Stay coordinated and communicate across your entire property, with up to 5 W transmission power.



Education

Monitor student activity, even in loud spaces; at 3W max audio output, the BPR 50dX is the loudest in the Mag One family.



Ready to work

Keep your workforce connected

1. Stay safe
Emergency features like a dedicated emergency button, alarm triggering and lone worker help protect your staff.
2. Take control
Channel partners can customize radio settings using an app on their Android phone or tablet.
3. Listen up
3W max output and noise cancellation ensures clear audio, even in noisy environments.
4. Take charge
With USB-C charging options, you can charge anywhere, anytime. And with 23 hours of talk time, your workforce stays focused on the task at hand.



Stay safe

A full suite of emergency features



Emergency calling and alerts

Place calls and send alerts via dedicated emergency button.



Lone worker

Sets a timer that places an emergency call when no activity is detected.



Remote monitor

Open a channel and listen even if the user can't key up.



Take control

Highly customizable



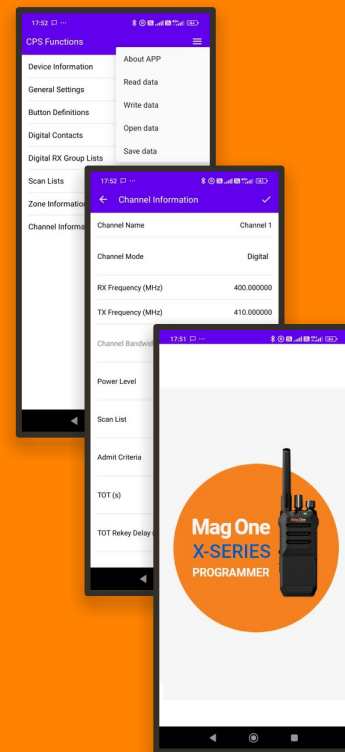
Three programmable buttons
Set your most commonly-used features, including Emergency.



App-based programming
Configure the radio anywhere, using your Android™ phone or tablet.



Customer programming software
Program and customize from your laptop.



Listen up

High-quality audio



Up to 3 W audio output
Hear others over loud noises.



Noise cancellation
Be heard clearly, even if you're in a noisy environment.



High RF power
Up to 5 W helps you stay connected over your entire property.



Custom channel announcements
Easier operation with minimal training.



Take charge

Hours of talk time and flexible charging



Extended talk time
Up to 23 hours in digital mode



USB-C charging
Charge anytime, anywhere, using a commodity cable.



Desktop charger
Compact and convenient



Specifications

	Mag One BPR 50dX		Mag One BPR 40d
Band	UHF	VHF	UHF
Frequency	400 - 470MHz	136 - 174 MHz	400-470 MHz
RF output			
High power	4 W	5 W	4 W
Medium power	2.5 W		
Low power	1 W		1 W
Channel capacity	64 channels		16 channels
H x W x D at grip, with battery	4.8 x 2.1 x 1.2 inches (122 x 54 x 30 mm)		4.2 x 2.3 x 1.5 inches (107 x 58 x 37 mm)
Weight	10.6 oz. (300 g)		10.9 oz. (310 g)
Battery life	Digital: up to 23 hrs. Analog: up to 16 hrs.		Digital: up to 15 hrs. Analog: up to 12 hrs.
Audio output	1 W rated / 3 W max		500 mW rated
Operating temperature*	-22°F to +140°F (-30°C to +60°C)		-22°F to +140°F (-30°C to +60°C)
Storage temperature	-40°F to +185°F (-40°C to +85°C)		-40°F to +185°F (-40°C to +85°C)



Ingress protection

IP55

Motorola Solutions Confidential—Do Not Redistribute—Partner Empower Member Use Only



In-box items

What comes with my BPR 50dX?

*PMAE4118A
UHF Stubby Mag One Antenna



PS000150A31
Power supply



PMNN4847A
Li-Ion battery
2200 mAh



PMLN8599A
Single-unit
charger



PMKN4274A
USB-A to USB-C cable
(charging only)



PMLN6536A
Belt clip



BPR50dX antennas



PMAE4118A
UHF Stubby Antenna
(450-470MHz)
AN000462A01



PMAE4117A
UHF Whip Antenna
(400-470 MHz)
AN000468A01



PMAD4164A
VHF Whip Antenna
(136-155 MHz)
AN000464A01



PMAD4165A
VHF Whip Antenna
(152-174 MHz)
AN000465A01



BPR50dX accessories

Available separately



PMLN6531

Mag One Ear Receiver With
In-Line Microphone and
PTT, VOX



PMLN6532

Mag One Swivel Earpiece
With In-Line Mic / PTT



PMLN6534

Mag One Earbud With In-
Line Microphone and PTT,
VOX



PMLN6536

2 Wire Surveillance Kit With
Quick Disconnect Acoustic
Tube



PMLN6542

Mag One Breeze HS with
BOOM Mic & PTT



PMMN4092

Mag One Breeze Remote
Speaker Microphone




Resources available at launch

- Data sheet
- FAQs
- Product photography
- Customer presentation
- motorolasolutions.com product page

Data Sheet

Mag One BPR 50dX

portable two-way radio



Built for the fast-paced world of business

The Mag One BPR 50dX is a versatile and high-performing device for your business workforce. Whether managing a retail store, coordinating events or overseeing campus activity, the BPR 50dX connects your team with static-free, reliable communication – in a world where every second counts.

→ Take control

A radio this versatile should be able to keep up. With 23 hours of talk time, your radio should last an entire shift and then some. But just in case, the USB-C port also lets you charge your radio with an ordinary USB charger.

→ Listen up

With its 3-watt maximum audio power output, the BPR 50dX is the loudest radio in the Mag One family. Noise cancellation means clear audio, even in a noisy environment.

→ Stay safe

With features like a dedicated emergency button, Lone Worker and remote monitoring, the BPR 50dX helps protect you and your staff.

4 W	2.5 W	5 W
	1 W	
	64 channels	
	12.5 / 25.0 kHz	
	122 x 54 x 30 mm	
	300 g	
	16 hours / 23 hours	
	7.2 V	
<p>12.5 kHz Data: 7K6GF10 and 7K6GF3D 12.5 kHz Voice: 7K6GF1E and 7K6GF3E Combination: 7K6GF1W</p> <p>ETSI TR 102 361-1, -2, -3</p> <p>+36 dBm for +1 GHz; +47 dBm for +1 GHz</p> <p>+60 dB @ 12.5 kHz / +70 dB @ 25 kHz</p> <p>± 1.5 ppm</p> <p>+2.5 kHz @ 12.5 kHz / +3.0 kHz @ 25 kHz</p>		
<p>0.18 µV (typical)</p> <p>+67 dBm for +1 GHz; +47 dBm for +1 GHz</p> <p>± 65 dB</p> <p>+60 dB @ 12.5 kHz / +70 dB @ 25 kHz</p> <p>+70 dB</p> <p>± 1.5 ppm</p>		
<p>AUDIO SPECIFICATIONS</p> <p>Digital vocoder type: AMBE+2</p> <p>Audio output power (Rated) / Min: 1 W / 3 W</p> <p>Audio distortion at rated power: 3% (Typical)</p> <p>Harm and noise: -60 dB @ 12.5 kHz / -45 dB @ 25 kHz</p>		
<p>ENVIRONMENTAL SPECIFICATIONS</p> <p>Operating temperature¹: -35 °C to 60 °C</p> <p>Storage temperature: -40 °C to 85 °C</p> <p>Temperature shock: Per MIL-STD-810C, D, E, F, G, H</p> <p>Humidity: Per MIL-STD-810C, D, E, F, G, H</p> <p>Electrostatic discharge: IEC 61000-4-2 Level 4</p> <p>Dust and water intrusion: IEC 60529 IP55</p> <p>Salt fog: Per MIL-STD-810C, D, E, F, G, H</p>		

① Dimensions at grip area.

¹ Typical battery life, 5/10/90 profile at maximum transmitter power. Actual observed runtimes may vary.

² Temperature listed are for radio specification. Lithium battery discharge: -20°C to +60°C.



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Partner information

		MSRP (US)	MSRP (Canada)
AAH88LDK8AD5BN	BPR 50dX VHF	\$315.00	\$409.50
AAH88SCK8AD5BN	BPR 50dX UHF	\$315.00	\$409.50

EmpowerRewards
It pays to partner with Motorola Solutions

:

\$2, \$3, \$4 per device
(based on certification level)

A Motorola Empower Rewards debit card is shown at an angle. The card is orange and white, featuring the Motorola logo, the text 'EMPOWERREWARDS', 'MOTOROLA debit', and a photo of a person in motion.

Place pre-orders on the Motorola Solutions Shop,
available via Partner Hub, starting on July 9, 2024.





Solving for safer
communities
schools
hospitals
businesses
everywhere.

