

MOTOTRBO™ DP540 ANALOGUE PORTABLE RADIOS

EASY TO USE, EASY TO MIGRATE

Simple and practical voice communications for the basic user who values ease and efficiency.



The MOTOTRBO DP540 Analogue is a practical, cost-effective portable two-way radio for professionals wanting to communicate with greater ease and efficiency.

It is easy to use and allows users to make individual or group calls at the push of a button, improving team collaboration, boosting efficiency and enhancing personnel safety.

Loud, clear audio means messages get through first time and the long battery life means DP540 Analogue works when you need it. Built tough with IP54 rating, you can rely on the radio's robust construction to withstand everyday knocks and drops.

The DP540 Analogue provides MOTOTRBO quality in construction, audio quality and battery life, and is compatible with a complete range of accessories such as earpieces, headsets and Remote Speaker Microphones letting you personalise the DP540 Analogue to fit perfectly into your workday.

Experience MOTOTRBO voice communications, trusted by millions of users for exceptional voice quality and exceptional performance.

FEATURES

- Analogue Voice Communications
- VHF and UHF Models
- 16 channels
- 12.5 kHz / 20 kHz / 25 kHz
- Up to 15 hours runtime¹
- On/Off/Volume Knob
- Channel Selector Knob
- Large Push-To-Talk Button
- Two Programmable Buttons
- 2-pin Accessory Connector
- VOX Capable
- Receive Audio Levelling¹
- Voice Announcement
- Durable polycarbonate housing
- IP54 Rated





VERSATILE SOLUTION TO START AND GROW

The DP540 Analogue supports Direct Mode and Conventional single-site repeater operation so you can scale your system up from close, direct radio-to-radio communications to wider area coverage as the demands of your business change and grow.

CLEAR AUDIO, BETTER PERFORMANCE

DP540 Analogue radios provide clear audio quality so workers can focus on their tasks not on their radio. With easy to use PTT communications, information can be shared quickly to improve performance, boost customer satisfaction, increase productivity and enhance safety.

VERSATILE FOR MANY ENVIRONMENTS

No matter what environment you are using the radio in, you can connect more people effortlessly wherever they work.

Easy to carry and operate, hotel housekeepers can quickly update supervisors from inside the guest rooms or on the hotel floors. Their DP540 Analogue radios deliver voice throughout the entire coverage area of your resort or high-rise hotel buildings.

With DP540 Analogue radios, your on-site crew can connect instantly with the rest of their team, creating a more efficient working environment. If there is an emergency, you can communicate quickly and send the closest security employee to any part of the venue to speed up response time.

Your assembly line workers can rely on the clear audio of their DP540 Analogue radios and Motorola Solutions quality means the radio can withstand conditions on the factory floor.

GENERAL SPECIFICATIONS

	DP540 ANALOGUE	
	VHF	UHF BAND 1
Channel Capacity	16	
Typical RF Output		
Low Power	1 W	1 W
High Power	5 W	4 W
Frequency	136-174 MHz	403-480 MHz
Radio Dimensions (H x W x D) with battery:		
Slim Li-Ion 1750mAh	120.0 x 55.0 x 34.7 mm	
High Cap Li-Ion 2250mAh	120.0 x 55.0 x 39.9 mm	
Weight with battery:		
Slim Li-Ion 1750mAh	276 g	
High Cap Li-Ion 2250mAh	281 g	
Power Supply	7.5V (Nominal)	

BATTERY

Average battery life at 5/5/90 duty cycle with carrier squelch and transmitter in high power².

Slim Li-Ion 1750mAh	Analogue: 10.7 hrs
High Cap Li-Ion 2250mAh	Analogue: 15.0 hrs

RECEIVER

	136-174 MHz	403-480 MHz
Frequency	136-174 MHz	403-480 MHz
Channel Spacing	12.5 kHz / 20 kHz / 25 kHz	
Frequency Stability (-30°C, +60°C, +25°C Ref)	± 1.5 ppm	
Analogue Sensitivity (12 dB SINAD)	0.3 µV / 0.22 µV (typical)	
Intermodulation (TIA603D)	70 dB	
Adjacent Channel Selectivity (TIA603D)	45 dB @ 12.5 kHz / 70 dB @ 25 kHz	
Spurious Rejection (TIA603D)	70 dB	
Rated Audio	0.5 W (Internal)	
Audio Distortion @ Rated Audio	5% (3% typical)	
Hum and Noise	-40 dB @ 12.5 kHz / -45 dB @ 25 kHz	
Audio Response	TIA603D	
Conducted Spurious Emissions (TIA603D)	-57 dBm	

TRANSMITTER

	136-174 MHz	403-480 MHz
Frequency	136-174 MHz	403-480 MHz
Channel Spacing	12.5 kHz / 20 kHz / 25 kHz	
Frequency Stability (-30°C, +60°C, +25°C Ref)	± 1.5 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% (typical)	

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30°C ³ / +60°C
Storage Temperature	-40°C ³ / +85°C
ESD	IEC 61000-4-2 Level 3
Dust and Water Intrusion	IP54





FEATURED ACCESSORIES



HLN6602

Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch



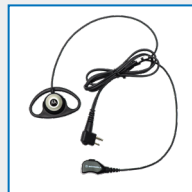
PMLN6534

MagOne Earbud



MDRLN4941

Receiver-Only Earpiece with Translucent Tube and Eartip for Remote Speaker Microphone



PMLN6535

2-Wire D-Style Earpiece with Separate PTT Wire



PMLN5397

Single Unit Desktop charger



PMMN4029

Remote Speaker Microphone, IP57 with 2-pin connector

For more information on the MOTOTRBO DP540 ANALOGUE, visit motorolasolutions.com/mototrbo
To find your nearest Motorola Solutions Channel Partner, go to motorolasolutions.com/contactus

¹ Using high-capacity battery; actual battery runtime observed may vary

² Actual battery runtime observed may vary

³ Radio only; Li-Ion battery -10°C

Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, United Kingdom.

Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2022 Motorola Solutions, Inc. All rights reserved. (01-22)



MOTOROLA SOLUTIONS