

MOTOTRBO"

DP3600/DP3601/DP3400/DP3401 Portable Radios



Portable radios available in Display and Non-Display, **GPS and Non-GPS models**.

Uses Time-Division
Multiple-Access (TDMA)
digital technology which
doubles the number of
users on a single licensed
12.5 kHz channel.

Integrates voice and data to increase operational efficiency.

Provides **clearer voice communications** throughout the coverage area.

Up to **40 percent longer** battery life between recharges.

Enhanced call management features include call alert, emergency, remote monitor, push-to-talk ID, radio check, private call, all call, radio disable.

Features the **transmit interrupt** suite—voice interrupt, remote voice dekey, emergency voice interrupt or data over voice interrupt—to help prioritise critical communication exactly when needed.

IP Site Connect provides automatic roaming from one coverage area to another with no manual intervention or interruption.

The **enhanced privacy** mode further protects the voice and data communications.

Emergency button alerts supervisor or dispatcher in an emergency situation.

Optional **Capacity Plus** trunking enables repeaters to manage the availability of active channels. Users are automatically connected to co-workers without switching channels.

Lone Worker feature alerts supervisor or dispatch by sending out an alarm when there is no radio activity over a specified duration of time.

Allows an **easy migration** from analogue to digital with the ability to operate in both modes.

DP3601 can **transmit location coordinates** with an emergency call.

Send short free-form and quick **text messaging** via programmable buttons.

DP3600/DP3601 contacts list allows up to **500/1000 contacts** (analogue/digital).

Meets **IP57 submersibility** standard along with U.S. Military Standards 810 C, D, E, and F and Motorola standards for durability and reliability.

Offered with an intrinsically safe option certified by Factory Mutual Approvals (FM) for use in hazardous classified areas. Can be used in locations where flammable gas, vapors or combustible dust may be present.

Accessory connector meets IP57 submersibility specifications, incorporates RF, and USB and utilises the IMPRES™ Audio System for enhanced audio functionality.

Utilises Motorola's state-of-the art **IMPRES** technology—providing **longer talk times and clearer audio delivery**.

Accelerate performance.

The next-generation professional two-way radio communications solution is here, with more performance, productivity and value – thanks to digital technology that delivers increased capacity and spectrum efficiency, integrated data communications and enhanced voice communications.

MOTOTRBO complies with the European Telecommunications Standards Institute (ETSI) Digital Mobile Radio (DMR) tier two standard, a globally recognised and approved standard for the professional two-way radio market.

MOTOTRBO offers you a private, standards-based, cost-effective solution that can be tailored to meet your unique coverage and feature needs. This versatile portfolio provides a complete system of portable radios, mobile radios, repeaters, accessories and data applications.

	DD2600 Disale	Non GPS Madal		DP3400 Non Display Non CD9	S Model	
	DP3600 Display Non GPS Model DP3601 Display GPS Model			DP3400 Non-Display Non-GPS Model DP3401 Non-Display GPS Model		
	UH		VHF	UHF	VHF	
hannel Capacity		1000			32	
equency	403 - 470 MHz	450 - 527 MHz	136 - 174 MHz	403 - 470 MHz 450 - 527 MHz		
imension (HxWxT) w/ 1500 mAh Lilon Battery		131.5 x 63.5 x 35.2 mm			33.5 x 35.2 mm	
eight (with 1500 mAH Lilon Battery)	360g (12.7 oz)		360g (12.7 oz)			
vith 2200 mAh Lilon Battery)		361g (12.8 oz)		361g (12.8 oz)		
with 1400 mAh Lilon FM Battery)		370g (13 oz)		370g (13 oz)		
ower Supply		7.5 VDC (nominal)		7.5 VDC (nominal)		
CC Description	AZ489FT4876	AZ489FT4884	AZ489FT3815	AZ489FT4876 AZ489FT4884	AZ489FT3815	
verage battery life at 5/5/90 duty cycle with battery	saver enabled in carrier so	·				
IMPRES 1500 mAh Lilon Battery	Analog: 9 hrs			Analog: 9 hrs		
INADDEC 2000 Al- Lile Detter	Digital: 13 hrs			Digital: 13 hrs		
MPRES 2200 mAh Lilon Battery	Analog: 13.5 hrs			Analog: 13.5 hrs		
ADDEC EM 1400 Al- D		Digital: 19		Digital: 19 hrs		
MPRES FM 1400 mAh Battery		Analog: 8.5		Analog: 8.5 hrs		
	Digital: 12 hrs			Digital: 12 hrs		
eceiver						
requencies	403 - 470 MHz	450 - 527 MHz	136 - 174 MHz	403 - 470 MHz 450 - 527 MHz	136-174 MHz	
nannel Spacing	400 - 470 1011 12	403 - 470 MHz		12.5 kHz/ 25 kHz		
requency Stability				12.5 KHZ/ 25 KHZ +/- 1.5 ppm (DP3400)		
-30°C, +60°C, +25°C)		+/- 1.5 ppm (DP3600) +/- 0.5 ppm (DP3601)		+/- 1.5 ppm (DP3400) +/- 0.5 ppm (DP3401)		
nalog Sensitivity		0.35 uV (12 dB SINAD)		0.35 uV (12 dB SINAD)		
Analog Sensitivity	0.35 UV (12 dB SINAD) 0.4 uV (20 dB SINAD)			0.35 uV (12 dB SINAD) 0.4 uV (20 dB SINAD)		
	0.4 uV (20 dB SINAD) 0.22 uV (typical)			0.4 uV (20 dB SINAD) 0.22 uV (typical)		
Digital Sensitivity		5% BER: 0.3 uV		5% BER: 0.3 uV		
ntermodulation		5 % BEN. U.3 UV		370 BEN. 0.3 dV		
TA603C		70 dB		70 dB		
TSI		65 dB		65 dB		
Adjacent Channel Selectivity		60 dB @ 12.5	i kHz	60 dB @ 12.5 kHz		
Adjacent Channel Selectivity	70 dB @ 25 kHz			70 dB @ 25 kHz		
Spurious Rejection		70 dB @ 25 KHZ		70 dB @ 23 KHZ		
Rated Audio		500 mW	1	500 mW		
udio Distortion @ Rated Audio		3% (typica		3% (typical)		
dum and Noise	-40 dB @ 12.5 kHz -45 dB @ 25 kHz				-40 dB @ 12.5 kHz	
idili dila Noise				-45 dB @ 25 kHz		
Audio Response		+ 1, -3 dE		+ 1, -3 dB		
Conducted Spurious Emission		-57 dBm		-57 dBm		
		4			<u> </u>	
ransmitter						
requencies	403 - 470 MHz	450 - 527 MHz	136 - 174 MHz	403 - 470 MHz 450 - 527 MHz	136-174 MHz	
Channel Spacing		12.5 kHz/ 25	kHz	12.5	kHz/ 25 kHz	
requency Stability		+/- 1.5 ppm (DP3600)		+/- 1.5 ppm (DP3400)		
-30°C, +60°C, +25°C)		+/- 0.5 ppm (DP3601)		+/- 0.5 ppm (DP3401)		
Power Output		, 500 pp.·· (2. 550)		., s.o pp (5. 6 16.)		
ow Power	1W		1W	1W	1W	
ligh Power	4W		5W	4W	5W	
Modulation Limiting		+/- 2.5 kHz @ 12.5			Hz @ 12.5 kHz	
Č	+/- 5.0 kHz @ 25 kHz			+/- 5.0 kHz @ 25 kHz		
M Hum and Noise	-40 dB @ 12.5 kHz			-40 dB @ 12.5 kHz		
	-45 dB @ 25 kHz			-45 dB @ 25 kHz		
Conducted / Radiated Emission	-36 dBm < 1 GHz			-36 dBm < 1 GHz		
	-30 dBm > 1 GHz and < 4GHz			-30 dBm > 1 GHz and < 4GHz		
Adjacent Channel Power	-60 dB @ 12.5 kHz			-60 dB @ 12.5 kHz		
,	-70 dB @ 25 kHz			-70 dB @ 25 kHz		
Audio Response		+1, -3 dB		+1, -3 dB		
Audio Distortion		3%		3%		
M Modulation		12.5 kHz : 11k	(0F3E	12.5 kHz : 11K0F3E		
	25 kHz: 16K0F3E			25 kHz: 16K0F3E		
FSK Digital Modulation	12.5 kHz Data Only: 7K60FXD			12.5 kHz Data Only: 7K60FXD		
	12.5 kHz Data & Voice: 7K60FXE			12.5 kHz Data & Voice: 7K60FXE		
Digital Vocoder Type		AMBE+2		AMBE+2™		
Digital Protocol		ETSI-TS102 3	361-1	ETSI-TS102 361-1		
	,					
PS				Environmental Specifications		
	ntile values > 5 satellites visible at a nominal -130 dBm signal strength)			Operating Temperature	-30°C / +60°C	
TFF (Time To First Fix) Cold Start	< 1 minute			Storage Temperature	-40°C / +85°C	
TFF (Time To First Fix) Hot Start	< 10 seconds			Thermal Shock	Per MIL-STD	
				Humidity	Per MIL-STD	
orizontal Accuracy	< 10 meters			. rarriarry	I CI IVIILOTO	
orizontal Accuracy	< 10 meters			ESD	IEC-801-2KV	
Horizontal Accuracy Factory Mutual Approvals	< 10 meters					

MOTOTRBO DP Portable series radios have been certifi ed by FM Approvals in accordance with Canada and 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.

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^{*}Availability subject to country law and regulations. Specifications subject to change without notice. All specifications shown are typical Radio meets applicable regulatory requirements.