

DTR600 DTR700

RELIABLE DIGITAL COMMUNICATIONS

THE ABILITY TO COMMUNICATE AND SOLVE PROBLEMS IN REAL TIME IS CRITICAL TO ENSURING SEAMLESS AND EFFICIENT BUSINESS OPERATIONS.

With Motorola Solutions' DTR600/DTR700 Series radios, digital on-site communication is easier and more reliable than ever. Your team can communicate quickly, solve problems rapidly and address unexpected situations – ultimately improving operational efficiency and customer satisfaction. Enhanced features include a slim, rugged design that is simple, yet powerful. Crisp, clear audio and wide-area coverage keep employees connected and accountable wherever they are. And intuitive navigation menu ensures ease-of-use. Motorola Solutions' DTR Series radios are the perfect partner for your business – delivering all the benefits of reliable digital communications.

FEATURES

- Interference free, private communications
- Vibrant color display
- Slim, rugged design
- Prominent functional keys
- Flexible call options
- Wide area coverage
- Loud and clear audio
- License free, hassle free

SPECIFICATION SHEET | DTR600 AND DTR700



DTR600/DTR700



MOTOROLA SOLUTIONS

KEY FEATURES



VIBRANT COLOR DISPLAY

A full-graphic, backlit display uses brightness adjustment to provide a crisp and clear image, while an intuitive navigation menu helps you quickly and easily locate all radio features.



SLIM, RUGGED DESIGN

Compact and IP54 rated. A durable design meets U.S. Military 810G standards for shock, vibration, water, dust and temperature extremes - so it will operate in the harshest working conditions.



PROMINENT FUNCTIONAL KEYS

Programmable button can be used to quickly access features including Call All / Page All – connecting you to all radios immediately without searching through your channel list. Private Reply – a private call feature – allows you to talk privately to the person currently talking to a group after the group radio transmission is over, freeing the radio channel from unnecessary back and forward chatter.



ADDITIONAL FEATURES

INTERFERENCE FREE, PRIVATE COMMUNICATIONS

DTR Series radios give you peace of mind and keep your team focused on the task at hand, by making your communications more private.

To take advantage of Private Communications, you can quickly set up your radio fleet with a unique Radio Profile ID Number. By choosing from 10,000 available codes, you can assure privacy from other neighboring radios.

Leverage Frequency Hopping Spread Spectrum (FHSS) technology for more reliable and private communication when compared to standard analog radios.

FLEXIBLE CALL OPTIONS

Digital One-to-One Private Calling allows private communications with a specific user. The recipient receives an alert - either audible or vibrating - and their radio displays the caller's ID.

Digital One-to-Many Group Calling enables public group calls. All other DTR Series radios on the same group ID and channel can hear communications.

TAKE COVERAGE AND CLARITY FURTHER

The DTR Series digital radio works wherever people do. Reporting from the production line or the principal's office, they'll enjoy expanded in-building coverage – up 350,000 sq. ft (or 30 floors indoors) with the standard whip antenna. Digital audio quality stays loud and clear – up to the edge of coverage – without static or dead zones.

LICENSE FREE, HASSLE FREE

Designed for business operations, the DTR Series radio will free your time from regulatory paperwork and licensing applications and reduce your costs by saving on frequency and radio licensing fees.

THE PERFECT PARTNER FOR BUSINESS COMMUNICATION



Retail Stores

Easily locate a clerk to check stock and coordinate restocking operations.

Education

Keep teachers, administrators, crossing guards and maintenance crews in touch so they can respond quickly – preventing small problems from escalating into bigger problems. Facilitate and manage school events and activities efficiently and keep everyone safe by enabling constant communication among staff members.

Restaurants

Ensure tables are ready quickly and customers enjoy their dining experience by seamlessly communicating with restaurant staff.

Hospitality

Keep your staff connected - from the front desk concierge, to event planners and maintenance personnel. This means faster response to guest requests, at special events and emergencies resulting in overall better customer satisfaction.

GENERAL SPECIFICATIONS	DTR600	DTR700
Channels	30	50
Frequency	900 MHz ISM FHSS	
Range coverage	350k sq ft 30 floors ¹	
License Free Band	Licensed by the Federal Communications Commission (FCC) and Industry Canada to operate in the license-free 900 MHz ISM (Industrial, Scientific and Medical) band	
Dimensions	5.06" H x 2.2" W x 1.06" D (128.5mm H x 56mm W x 27mm D)	
Weight	7.87oz. (223 g)	

ENERGY SPECIFICATIONS	
Battery	3.7V ± 0.5V
Battery Life	16.5 hrs ²

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-30°C to +60°C (Radio) ³
Storage Temperature	-40°C to +85°C (Radio) ³
Dust and Water Intrusion	IEC 60529 IP54

TRANSMITTER SPECIFICATIONS	
RF Output	1W
Channel Spacing	50kHz
Frequency Stability (-30°C to 60°C)	± 1PPM
TX Spurious Emissions - radiated	<54dBuV/m (3m)
Audio Distortion	<3%
TX ACPR	-50dBc
FCC Modulation	8-level FSK 900MHz FHSS

RECEIVER SPECIFICATIONS	
Preamble Sensitivity	-125dBm
Frequency Stability (-30°C to +60°C)	± 1PPM
RX Spur Emissions - radiated	<43.5dBuV/m (3m)
Blocking Immunity: ±500 kHz to ±1 MHz	75dB
Blocking Immunity: ±1 MHz to ±15 MHz	80dB
Audio Output @ <5% distortion	1W

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.6	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	501.6	I/A1, II/A1
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.6	I/C3, II/C1
Temperature Shock	503.1	I	503.2	A1/C3	503.3	A1/C3	503.4	I	503.6	I-C
Solar Radiation	505.1	II	505.2	I/Hot-Dry	505.3	I/Hot-Dry	505.4	I/Hot-Dry	505.6	I/A1
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.6	I, III
Humidity	507.1	II	507.2	II/hot-humid	507.3	II/hot-humid	507.4	-	507.6	II/Agg
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-	509.6	-
Dust	510.1	I, II	510.2	I, II	510.3	I, II	510.4	I, II	510.6	I, II
Vibration	514.2	VIII/F, W, XI	514.3	I/10, II/3	514.4	I/24, II/5	514.5	I/24, II/5	514.7	I/24, II/5
Shock	516.2	I, II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.7	I, IV

DTR radios meet test methods from Military Standards 810, C,D,E,F and G including shock, vibration, extreme temperatures and dust. DTR radios also satisfy environmental and energy efficiency certifications (CE/CEC, ROHS and WEEE).

1: Coverage depends on terrain and environmental conditions.

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

3: Radio only. Battery specifications may be different.

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

DTR SERIES ACCESSORIES



Swivel Clip Holster

The swivel holster allows you to wear the radio on your belt, leaving your hands free for the job on hand.

Part Number: PMLN7939



Single Unit Charger

With its small footprint, the single unit charger is ideal for personal use. Charge the battery by itself or while inside the radio.

Part Number: PMPN4469



Battery

Li-ion 2500 mAh, 3.7v

Part Number: PMNN4578



Whip, Antenna

900MHZ (902-928MHZ)

Part Number: PMAF4024

6-Pocket Multi Unit Charger (MUC)

Charge up to 6 radios simultaneously. Charge the radio or the battery by itself.



Part Number: PMPN4465

Swivel Earpiece with in-line microphone and push-to-talk

This comfortable flexible earpiece is designed for all-day wear. Its in-line push-to-talk feature makes communication easy when your radio is not readily accessible.



Part Number: HKLN4604

Surveillance Kit with in-line microphone and push-to-talk

The single-wire earpiece with a combined microphone and push-to-talk offers transmit and receive capabilities and includes a clear acoustic tube and rubber eartip for comfort in extended wear.



Part Number: HKLN4601

Earpiece with in-line microphone and push-to-talk

Comfortable for extended wear, this compact and durable accessory allows users to receive communication discreetly. This d-style earpiece has an in-line microphone and push-to-talk button for convenient and quick radio access while on the go.



Part Number: HKLN4599

For more information, please visit www.motorolasolutions.com/DTR600 and www.motorolasolutions.com/DTR700



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