DIGITAL MADE EASY

DLR DIGITAL
BUSINESS RADIO

The ability to communicate and solve problems in real time is the cornerstone of good business operations. With the Motorola DLR digital radio, your team can quickly and easily communicate to improve operational efficiencies, solve problems rapidly, address unexpected situations and improve customer satisfaction. This lightweight radio, with its sleek styling, is a simple yet powerful collaboration tool. Its unique features will take your organisation to a new level of performance and operational excellence.

CLEAR, RELIABLE COMMUNICATIONS

With the DLR digital technology you speak clearer and louder across an extended range without static. Because the radios are digital, talk farther and clearer up to the edge of coverage. A real advantage over analog technology. The design of this radio has your operations in mind. It is intuitive, simple to use and convenient to carry.

LICENSE FREE, HASSLE FREE

Designed for business operations, the DLR two-way radio is hassle free, meeting your needs and expectations. Free your time from regulatory paperwork and licensing applications. Reduce your costs by saving on frequency and radio licensing fees.

INTERFERENCE FREE, PRIVATE COMMUNICATIONS

It can be very distracting to hear other conversations especially if those are not within your organisation. Equally frustrating is to have your communications heard by others. The DLR radio gives you peace of mind and keeps your team focused on the task, by making your communications more private.

The digital DLR radio protocol leverages Frequency Hopping Spread Spectrum (FHSS) technology, which makes communication more reliable and private when compared to standard analog radios.

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 neighbouring radios.

GET ORGANISED WITH FLEXIBLE COMMUNICATIONS

DLR radios are more than a simple push-to-talk solution. Get things done efficiently by choosing from several call options that tailor the functionality to the operational performance of your organisation.

PRIVATE REPLY

Free-up the radio channel by allowing two people to instantly connect privately after a group transmission is complete using the private reply feature. This eliminates unnecessary group chatter. You no longer have to look for the phone extensions to talk privately. Simply identify the name of the person you want to talk to and when they respond, push the radio top button to start the communication.

DIRECT CALL

In some organisations, it is critical for an employee to quickly access the manager on duty. By programming the top button to Direct Call, you can easily reach a specific individual, enabling instant communication and an immediate response.

PAGE ALL AVAILABLE AND CALL ALL AVAILABLE

It can be difficult to communicate to an entire group without having to go to each channel individually. The Page All Available and Call All Available feature provides you the flexibility to communicate a message to everyone who is not currently tied up in a conversation. Simply program this feature into the top button or set it to an unused channel.

INSTANT MUTE FEATURE

Immediately lower your radio volume to the minimum level by simply pressing the radio top button. Use this feature when you need to listen to a customer without interruptions. Quiet background radio communications can still be heard and will remind you to return to normal channel activity.

RETAIL STORES

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

RESTAURANTS

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

EDUCATION

Organise school events and activities efficiently by enabling constant communication among staff members.

HEALTHCARE

Improve coordination among ER staff and ensure quick response by facilitating efficient and private communications.

FLEXIBLE. STYLISH. EASY TO OPERATE.

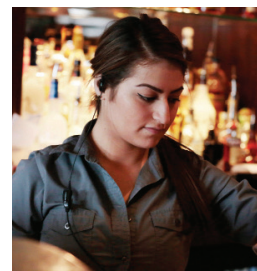|	
TALK PERMIT TONE	Promotes orderly communication through the use of a prompt tone that alerts team members when a channel is available and they can speak.
HOME CHANNEL	Designates a specific channel as "home" so the radio automatically reverts back if the user was speaking on a different channel. This feature can be easily modified through the radio Advanced Configuration Menu.
VOICE PROMPTS	Navigate easily through channels, check battery status and customize features in Advanced Configuration Menu with user friendly voice prompts.
EXTENDED TALK RANGE	Communicate across an extended range of 250,000 sq ft and up to 18 floors*. With digital technology, you can communicate clearly up to the edge of coverage without the static often found on analog radios.
ADVANCED CONFIGURATION MENU	Configure special features such as a unique Radio Profile ID, Home Channel, MIC Gain and maximum number of channels. It also allows you to customise the Top Programmable button with different options such as Private Reply and Call All Available. Refer to the User Guide instructions for more details: www.motorolasolutions.com/map/en_xa/dlr
CPS PROGRAMMING SOFTWARE	Personalize your channel voice prompts, channel alias names, radio name, top button, channel number and much more by using the free Computer Programming Software available at: www.motorolasolutions.com/map/en_xa/dlr
LONG BATTERY LIFE	Provides long lasting battery life for continuous operation of up to 15 hours.
RELIABLE AND DURABLE	DLR radios meet test methods from Military Standards 810 C, D, E, F and G, including shock, vibration, extreme temperatures and dust. Tough, polycarbonate housing contains built-in antimicrobial properties that inhibit the growth of bacteria and mold on the radio surfaces.

*Coverage depends on terrain and environmental conditions.

WIDE RANGE OF ACCESSORIES COMPLEMENT THE DLR RADIO FOR ENHANCED PERFORMANCE

PART NUMBER	DESCRIPTION		
HKLN4599	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.
HKLN4601	Surveillance Kit with in-line microphone and push-to-talk		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.
HKLN4604	Swivel Earpiece with in-line microphone and push-to-talk		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.
HKLN4606	Remote Speaker Mic		Remote speaker microphone easily clips onto a shirt or collar, allowing you to speak and listen without having to reach for your radio.
HKLN4615	DLR Belt Clip Holster		Swivel holster allows you to wear the radio on your belt, leaving your hands free for the job on hand.
PMLN8035	DLR 12-Pocket Multi-Unit Charger (MUC)		12-Pocket Charger with its sleek design allows you to charge simultaneously up to 12 radios or 6 radios and 6 batteries.
PMLN8034	DLR Single-Unit Charger (SUC)		Single unit charger with its small footprint is ideal for personal use. Charge the battery by itself or while inside the radio.
HKNN4013	BT90 Battery		Li-ion 1800 mAh, 3.7v

ENVIRONMENTAL AND MIL STD

MILITARY STANDARDS	Mil Std. 810 C- G									
	METHOD	PROC.	METHOD	PROC.	METHOD	PROC.	METHOD	PROC.	METHOD	PROC.
	810 - C		810 - D		810 - E		810 - F		810 - G	
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II	500.5	I, II
High Temperature	501.1	I, II	501.2	I, II	501.3	I, II	501.4	I, II	501.5	I, II
Low Temperature	502.1	I, II	502.2	I, II	502.3	I, II	502.4	I, II	502.5	I, II
Temperature Shock	503.1	I	503.2	I, II	503.3	I	503.4	I, II	503.5	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I	505.5	I
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4		507.5	III
Dust	510.1	I	510.2	I	510.3	I	510.4	I, III	510.5	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I	514.6	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.6	I, IV

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

ENVIRONMENTAL SPECS

Operating Temperature	-30ºC to +60ºC (Radio)
Storage Temperature	-40ºC to +85ºC (Radio)
Shock & Vibration	5 foot drop to concrete
Dust & Humidity	IP5X
Enclosure rating	Designed to meet NEMA types 1, 2, 5

FEATURES

DLR's tough polycarbonate housing contain built-in anti-microbial properties that inhibit the growth of bacteria and mold on the radio surfaces (does not include accessories)**

CHARGERS

DLR chargers and power supplies are ROHS compliant.

DLR

GENERAL SPECIFICATIONS

Channels	DLR1060: 6 Channels
Frequency	900 MHz ISM FHSS
Range Coverage	250k sq ft 18 floors*
Licensed Free Band	License-Free 900 MHz ISM (Industrial, Scientific and Medical) band in Australia & New Zealand
Radio Dimensions (H x W x D)	4.2" x 1.7" x 0.9"
Weight	4.2 oz

ENERGY SPECIFICATIONS

Battery	3.7V ± 0.5V
Battery Life with BT90 (1800 mAh)	15 hours @ 5/5/90 duty cycle
Charging Time for BT90 (1800 mAh)	< 3.5 hours

DLR

RECEIVER SPECIFICATIONS

Preamble Sensitivity	-125 dBm
Frequency Stability: (-30º C to +60º C)	± 1PPM
RX Spur Emissions - radiated	< 43.5dBuV/m (3m)
Blocking Immunity: ±500 KHz to ±1 MHz	75 dB
Blocking Immunity: ±1MHz to ±15 MHz	80 dB
Audio Output @ < 5% Distortion	0.75W

TRANSMITTER SPECIFICATIONS

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

*Coverage depends on terrain and environmental conditions
** The antimicrobial properties do not protect users or others against bacteria, viruses, germs, or other disease organisms. Always clean this product thoroughly before and after each use. Does not apply to accessories.

For more information, please visit us at motorolasolutions.com/map/en_xa/dlr

MOTOROLA SOLUTIONS