



# DR7

**DIGITAL TWO-WAY  
PORTABLE RADIOS**  
More durable and reliable  
in any environment.  
Smart. Efficient. Accurate.

**CRYSTAL CLEAR AUDIO**

No hissing, crackling, fading and overlapping of voice tracks. Just a great radio at all times as long as you are within the coverage.

**EXTENDED TALKTIME**

Two-slot TDMA which enables up to 40 percent improvement in talk time in comparison with analogue radios. DMR digital radios features Sleep and Power-management technologies which enhances battery life and extends talktime even further.

**DOUBLE THE CAPACITY**

One of the principle benefits of DMR is that it enables a single 12.5 kHz channel to support two simultaneous and independent calls.

**DURABLE & RELIABLE**

A protective tough and rugged casing ensures its reliability and performance in its daily field operations.

**ANALOG & DIGITAL**

Ability to operate in both analog and digital modes.

**BATTERY LATCH LOCK**

Keeps the battery firmly and securely in place when the radio is accidentally dropped..

**PROGRAMMABLE**

Digital radios are programmable for Radio ID, Zone, Shortcut Button and Channel Frequency.

**IP 57 RATED**

Dustproof and Splashproof, so you can work with confidence in any challenging environment.



# DR7

## PROGRAMMABLE FEATURES

- HIGH/LOW POWER
- SYSTEM SCAN
- MONITOR
- TIGHT/NORMAL SQUELCH
- REPEATER/TALKAROUND



### Specifications

Model NO.	DR7
Frequency Range	UHF:400-450MHz / VHF 136-174MHz
Channel Capacity	32 Channels
Channel Spacing	12.5KHz
Battery Type	Li-ion
Operating Temperature	-20~+50
Antenna Connector	SMA-K
Antenna Impedance	50Ω
Audio Output Power	≤1000mW@16Ω
Dimension(H*W*D)	128*61*38mm
Weight with battery	258g
IP Rating	IP57

### Transmitter

Output Power	High:≤5W@HI Low: ≤2W@Low
Frequency Stability	+2.5PPM
Adjacent Channel Power	≤ -60dB @ 12.5KHz
Free Time Slot Power	TDMA ≤ 57dBm
Conducted / Radiated Emission	Antenna : 9KHz-1GHz ≤-36dBm 1GHz-12.75GHz ≤-30dBm
Modulation BER( Bit Error Rate)	≤5%

### Receiver

Sensitivity	≤-117dBm (Ber≤5%)
Co-channel Rejection	≥-12dB
Adjacent Channel Selectivity	≥60dB
Spurious Rejection	70dB
Inter-Modulation Response	≥65dB(ETSI)
Conducted Spurious Emission	Antenna : 9KHz-1GHz ≤-57dBm 1GHz-12.75GHz ≤-47dBm

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SIRIM APPROVED  
RADC/86B/0714/S (14-0973)

