

NOW TESTED WITH  
**MIL-STD 810**  
 MILITARY STANDARD

# RL328 SERIES

## Professional Portable Radio

ETSI 300 086, TIA/EIA 603, MIL-STD-810F, & IP54



### WIDE FREQUENCY SPREAD

VHF: 40 MHz & UHF: 70 MHz

- 66-88 MHz
- 136-174 MHz
- 305-360 MHz
- 335-400 MHz
- 403-470 MHz
- 450-527 MHz

### R&TTE CERTIFICATE



**Rugged Reliable Affordable**



### RL328 BASIC VERSION

- ◆ 99 Channels, 50 CTCSS, 83 DCS
- ◆ Channel Name Tag
- ◆ 12.5KHz/ 25KHz Channel Spacing
- ◆ Hi/Low Power Switchable
- ◆ VOX Built-in (1-5 Sensitivity level)
- ◆ Squelch Level Setting
- ◆ Scan: Normal/ Priority/ Dual Watch
- ◆ BCLO ( Busy Channel Lock Out)
- ◆ BTLO ( Busy Tone Lock Out )
- ◆ Repeater Talk Around
- ◆ TOT ( Time Out Timer)
- ◆ Clone
- ◆ Battery Low Warning
- ◆ Power Save
- ◆ Call Alarm
- ◆ PTT Home Channel During Scan

### PROGRAMMING SOFTWARE CUSTOMIZATION

- ◆ Electronic serial number
- ◆ Flexible Keypad Lock / Unlock
- ◆ Monitor Disable
- ◆ CTCSS/DCS with / without User's Access

### RL328K DTMF Encoder / Decoder

- ◆ ANI
- ◆ Remote Killer
- ◆ Selective Call
- ◆ Lone Worker
- ◆ DTMF String Dial
- ◆ Emergency Call
- ◆ Power On Password

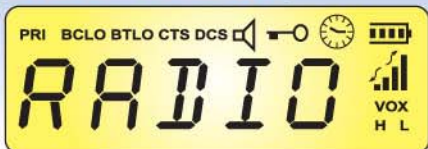
Creative · Effective

**REXON**®

Excellent Radios in REXON.

# RL328 Professional Portable Radio

## DISPLAY SYMBOLS



## Accessories

BP-16 BP-16L BP-20L



### RECHARGEABLE BATTERY PACK

Weight Thickness

BP-16	1600mAh Ni-MH Battery	194g	1.8cm
BP-16L	1600mAh Li-ion Battery	126g	1.4cm
BP-20L	2000mAh Li-ion Battery	146g	1.8cm

RC-28L



Fuzzy desktop charger for Li-ion

RC-28



Fuzzy desktop charger for Ni-MH

MRC-28



6-Way Rapid Charger



Leather case



Tunable Antenna



Stubby Antenna



Dual throat-activated mic



Flexible hanging speaker mic



Transparent tube earphone mic



GPS microphone



Compact Fist speaker mic



Programming kit

## SPECIFICATION

TEST METHODS MEET ETSI 300 086 / TIA/EIA 603

### GENERAL

POWER SOURCE	7.2V rechargeable battery pack
FREQUENCY BANDS	66-88 MHz / 136-174 MHz 305-360 MHz / 335-400 MHz 403-470 MHz / 450-527 MHz
MODULATION TYPE	F3E
FREQUENCY CONTROL	PLL SYNTHESIZER
CHANNEL SPACING	25 / 12.5 KHz
NUMBER OF CHANNEL	Up to 99 CH
TEMPERATURE RANGE	OPERATION -30°C~+60°C
FREQUENCY STABILITY(-30°C~+60°C)	±2.5ppm
HUMIDITY	OPERATIVE 90%
BATTERY LIFE (5/5/90 cycle)	≥ 10 HOURS
DIMENSIONS	124.5x55x30mm
WEIGHT WITH BATTERY: 1600mAh Li-ion Battery Pack 2000mAh Li-ion Battery Pack 1600mAh Ni-MH Battery Pack	290g 310g 355g
TEMPERATURE SHOCK,VIBRATION, DROP HUMIDITY, RAIN, SALT FOG, DUST	MIL STD 810 C/D/E/F CERTIFICATE MEETS IEC529 IP54

### TRANSMITTER

RF OUTPUT POWER	5W VHF/ 4W UHF
MAX DEVIATION AT 25 KHz CHANNEL SPACING AT 12.5KHz CHANNEL SPACING	≤ 5.0KHz ≤ 2.5KHz
ADJACENT CHANNEL POWER	≤ -60 dBc (12.5KHz) ≤ -70 dBc (25KHz)
SPURIOUS EMISSIONS	≤ -36dBm
AUDIO DISTORTION	≤ 3%
FM NOISE	40dB at 25KHz / 38dB at 12.5KHz

### RECEIVER

CIRCUIT TYPE	DOUBLE CONVERSION
INTERMEDIATE FREQUENCY	1st 45 MHz / 2nd 455 KHz
SENSITIVITY	VHF 66-88MHz ≤ 0.25uV, Other bands ≤ 0.28uV @12dB SINAD
ADJACENT CHANNEL SELECTIVITY	25KHz ≥ 70dB 12.5KHz ≥ 60dB
SPURIOUS RESPONSE REJECTION	≥ 70 dB
INTERMODULATION RESPONSE REJECTION	≥ 65 dB
BLOCKING	≥ 85 dB
AUDIO DISTORTION	≤ 5%
AUDIO OUTPUT POWER	≥ 0.5W @10% DISTORTION
STANDBY CURRENT DRAIN	≤ 70mA
STANDBY WITH SAVE	≤ 25mA
RATED AUDIO CURRENT DRAIN	≤ 250mA
FM NOISE	45dB at 25KHz / 40dB at 12.5KHz

All Specifications/features/pictures subject to change without notice and issued for guidance purposes only.



FC 170RL328V  
FC 170RL328U  
MIL-STD-810F  
CE 0678

**REXON**  
REXON TECHNOLOGY CORP.

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