

The radio  
all security  
personnel  
have been  
waiting  
for...



66~88MHz  
135~174MHz  
300~360MHz  
335~400MHz  
400~470MHz  
450~527MHz

More bands available under request



FC CE 06810

Russian PTT RoHS



FM82205 BSEN  
ISO 9001:2000

# RL-328SK

## Professional Land Mobile Radio



### ■ World Beating Features



**BLUE TOOTH - built in.\*** A world first for any PBR radio. No need for wires to headsets or ear - pieces. Massively increases health and safety near moving machinery. **A MUST HAVE FOR ALL SECURITY PERSONNEL**

**5 T**

**5 TONE SELCALL as standard.** Fully compliant and interoperable with all known 5 tone languages, massively flexible timing capabilities. 100 alpha numeric tags supporting lone worker, emergency call, man down\*, possum\* and many other advanced safety and security features

**LW**

**FAIL SAFE LONE WORKER,** designed in the UK and totally fail safe, immensely flexible to meet every H & S lone worker requirement.



**AUTO ON/OFF SIGNAL,** The RL-328S will automatically log on and log off when switched on or off



**POSSUM,** An advanced safety system designed for high risk users.



**GPS READY,\*** Fully compliant with the unique, world patented, REXON GPS stand alone GPS Speaker Microphone, not only is the RL328 EOS probably the worlds safest radio, it can now be linked to the global positioning system for near pin point location at any time in any event.

**(2000)**

**A MASSIVE 2000 mAh,\*** split load Lithium Ion battery is supplied as optional giving a massive 16 hours operation on a normal 5/5/90 duty cycle.



**SHUNTING** confidence tone as standard



**FLASH MICROPROCESSOR** Max. 256 channels, 12.5/20/25 KHz channel spacing, 1450/1750/2135 Hz Burst tone. scan, priority scan, dual watch, priority channel, CTCSS, DCS DTMF ANI ,5 tone ANI (CCIR,ZVEI,User define...etc),both withhold off.man down\*and scrambler\*(Midian TVS-2, NorComm NC804, Transcript SC20-760) ready. 8 digit LCD, multi-information icons, Dynamic processor with RAM - for future applications, IP54/55, MIL-STD 810 C.D.E&F, stun and unstun, back light LCD....

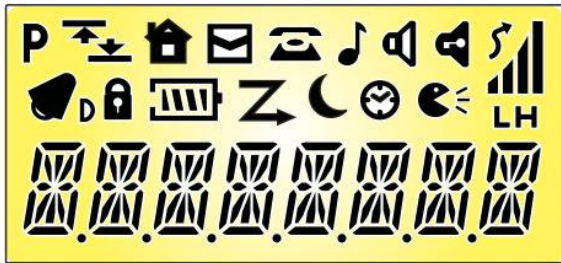
\* Optional features or accessories

**REXON®**  
What An Excellent Radio!

# RL-328SK

## Professional Portable Radio

### DISPLAY SYMBOLS



### Accessories

#### RECHARGEABLE BATTERY PACK



	Weight	Thickness
BP-16 1600mA-Ni-MH	194g	1.8cm
BP-17L 1700mA li-polymer	100g	1.4cm
BP-24L 2400mA li-polymer	115g	1.8cm



RC-28L  
Fuzzy desktop charger for Li-ion



RC-28  
Fuzzy desktop charger for Ni-MH



MRC-28L  
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

### TECHNICAL SPECIFICATIONS

GENERAL	
Operating Voltage	7.4 V DC $\pm 20\%$
Frequency Range	26-32MHz / 32-43MHz/66-88MHz/135-174MHz 300-360MHz/330-400MHz/400-470MHz/450-527MHz
Modulation Type	F3E
Frequency Control	PLL Synthesizer
Channel Spacing	12.5kHz /20kHz/25kHz
Number of channels	up to 256
Operating Temperature range	O.P $-30^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ /Storage $-30^{\circ}\text{C}$ to $+80^{\circ}\text{C}$
Frequency Stability	$\pm 2.5\text{ppm}$
Humidity	Operative 90 %
Battery Life	More than 8 hours at 5 watts (5-5-90 duty cycle with 1700mAh Li battery)
Dimensions	125 x 64 x 44 mm
Weight With battery	380 gram
Shock & Vibration	Meet MIL 810 C/D/E/F/G
Humidity, Rain, Salt fog, Dus	Meet IEC529, IP55
TRANSMITTER	
RF Power Output	5W / 1W (VHF); 4W/1W (UHF)
Maximum Frequency Deviation	$\leq 5\text{KHz}@25\text{KHz}$ ; $\leq 4\text{KHz}@20\text{KHz}$ ; $\leq 2.5\text{KHz}@12.5\text{KHz}$
Adjacent Channel Power	$\leq -60\text{dBc}@12.5\text{KHz}$ ; $\leq -70\text{dBc}@20\text{KHz}$ ; $\leq -70\text{dBc}@25\text{KHz}$
Audio Distortion	$\leq 3\%$
FM Hum/Noise	$>40\text{dB}@12.5\text{KHz}$ ; $>45\text{dB}@20\text{KHz}$ ; $>45\text{dB}@25\text{KHz}$
Spurious Emission	$>75\text{dB}$
RECEIVER	
Circuit Type Double Conversion	Superheterodyne
Intermediate Frequency	1st 45MHz; 2nd 455KHz
Sensitivity	$\leq 0.25\mu\text{V}@12\text{dB SINAD}$
Adjacent Channel Selectivity	$\geq 60\text{dB}@12.5\text{KHz}$ ; $75\text{dB}@20\text{KHz}$ ; $75\text{dB}@25\text{KHz}$
Spurious Response Rejection	$\geq 70\text{dB}$
Intermodulation Response Rejection	$\geq 74\text{dB}$
Blocking	$\geq 85\text{dB}$
Audio Distortion	$\leq 3\%$
Audio Output Power	$\geq 500\text{mW}@10\%$ distortion
Stand. by Current Drain	$\leq 70\text{mA}$
Stand. by Current with save	$\leq 25\text{mA}$
Rated Audio Current Drain	$\leq 250\text{mA}$
FM Noise	$45\text{dB}@25\text{KHz}$ ; $45\text{dB}@20\text{KHz}$ ; $40\text{dB}@12.5\text{KHz}$

Remark: Measurements made in accordance with ETSI 300 086.

All stated specifications are subject to change without **notice or obligation**.

Frequency Range	Model Number
40-53 MHz	32804
66-88 MHz	32806
135-174 MHz	32810
400-470 MHz	32817
430-470 MHz	32818
450-530 MHz	32824