

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



26~32MHz 135~174MHz  
32~43MHz 300~360MHz  
66~88MHz 335~400MHz  
400~470MHz  
450~527MHz

More bands available under request



FC CE0678  
Russian PTT RoHS

BSI  
REGISTERED  
FM82205 BSEN  
ISO 9001:2000

# RL-328S

## 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 increase 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 know 5 tone language, 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 unique, world patented, Rexion GPS stand alone GPS Speaker Microphone, not only is the RL328 EOS probably the world safest radio, it can now be linked to global positioning system for near pin point location at any time the 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, 12.5/20/25KHz 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 with hold off, man down \* and scrambler \* ready 8 digit LCD, multi information icons, Dynamic processor with RAM- for future applications, IP55, MIL SPEC 810 C,D,E&F, stun and unstun, back it LCD...etc

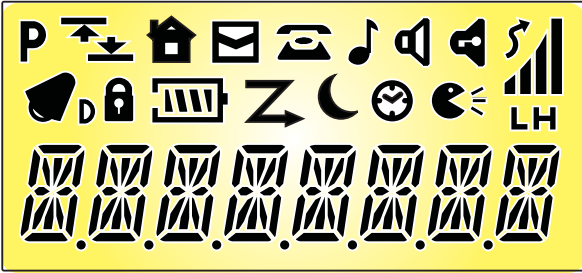
\* Optional features or accessories

**REXON**  
What An Excellent Radio!

# RL-328S

## Professional Portable Radio

### DISPLAY SYMBOLS



### Accessories

#### RECHARGEABLE BATTERY PACK



|                          | Weight | Thickness |
|--------------------------|--------|-----------|
| BP-16 1600mA-Ni-MH       | 194g   | 1.8cm     |
| BP-18L 1800mA li-ion     | 108g   | 1.4cm     |
| BP-21L 2100mA li-polymer | 109g   | 1.8cm     |



Fuzzy desktop charger for Li-ion



Fuzzy desktop charger for Ni-MH



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                            |   |
|------------------------------------|---|
| Power Supply                       | Rechargeable Battery 7. 5V                      |
| Frequency range (MHz)              | 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 Channel                  | Up to 256                                       |
| Temperature Range                  | O. P -30°C~60°C /Storage -30°C~+80°C            |
| Frequency Stability                | ±2. 5ppm  |
| Humidity                           | Operative 90%                                   |
| Battery Life                       | ≥8 hours  |
| Dimensions                         | 125x64x44 mm                                    |
| Weight with battery                | 380 gram  |
| Shock & Vibration                  | Meet MIL 810 C/D/E/F                            |
| Humidity, Rain, Salt fog, Dust     | Meet IEC529, IP54                               |
| TRANSMITTER                        |   |
| RF Output Power                    | 5W/1W (VHF); 4W/1W (UHF)                        |
| Maximum Frequency Deviation        | ≤ 5KHz@25KHz; ≤4. 0KHz@20KHz; ≤2. 5KHz@12. 5KHz |
| Adjacent Channel Power             | ≤-60dBc@12. 5KHz; ≤-70dBc@20KHz ≤-70dBc@25KHz   |
| Audio Distortion                   | ≤ 3%  |
| FM Hum/Noise                       | >40dB @12. 5KHz; >43dB @ 20kHz; > 43dB@25KHz    |
| RECEIVER                           |   |
| Circuit Type                       | Double Conversion Superheterodyne               |
| Intermediate Frequency             | 1st 45MHz; 2nd 455KHz                           |
| Sensitivity                        | ≤ 0. 25uV @12dB SINAD                           |
| Adjacent Channel Selectivity       | ≥ 60dB@12. 5KHz; 70dB@20KHz; 70dB@25KHz         |
| Spurious Response Rejection        | ≥ 70dB  |
| Intermodulation Response Rejection | ≥ 65dB  |
| Blocking                           | ≥ 85dB  |
| Audio Distortion                   | ≤ 3%  |
| Audio Output Power                 | ≥ 500mW @10% Distortion                         |
| Stand. by Current Drain            | ≤ 70mA  |
| Stand. by Current with save        | ≤ 25mA  |
| Rated Audio Current Drain          | ≤ 250mA   |
| FM Noise                           | 45dB@25KHz; 45dB@20KHz ; 40dB@12. 5KHz          |