

REXON

What An Excellent Radio!



- 5W (PEP) OUTPUT POWER
- VOR NAVIGATION WITH CDI
- 760 COM CHANNELS & 200 NAV CHANNELS
- 10 WEATHER CHANNELS
- 100 MEMORY CHANNELS
- 121.5MHz EMERGENCY FREQUENCY RECALL
- SEMI-DUPLEX OPERATION
- SCANNING OF COM & NAV BANDS
- DUAL WATCH FUNCTION
- SIDE TONE FUNCTION
- LCD BACK LIGHT
- CLEARER VOICE COMMUNICATIONS
- ONE TOUCH SELECTION OF ACTIVE & STANDBY FREQUENCY

Bluetooth Optional



RHP-530 AIR BAND RADIO

COMPLIED WITH ETSI EN 300 676, FCC CFR47 Part 2 and Part 87, AS/NZS 4583

SPECIFICATIONS

General

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Frequency Range	TX 118.000MHz to 136.975MHz(143.975 optional) RX 108.000MHz to 136.975MHz Weather Channels : FM 161.650~163.275MHz (USA Only)
Channel Spacing	25KHz
Type of Emission	6K00A3E(AM), 16K0G3E(FM)
D.C. Supply Voltage	7.5V
Frequency Stability (-20°C to +55 °C)	±2.0ppm
Antenna Impedance	50 Ω
Speaker Impedance	4 Ω
External Microphone Impedance	150 Ω
Temperature Range	-20 ~ +55 °C (Operation) -30~+60°C(Storage)
Relative Humidity	70~ 90%
Average Battery Duty Life @ 5—5—90 Duty Cycle (With BP-17L 1700mAh)	Without Power Save ≥ 8 hr With 1/2 Duty Cycle ≥ 16 hr With 1/3 Duty Cycle ≥ 18 hr
Power Off Current Drain	≤ 75 uA

Transmitter

RF Output Power	1.5W (CW),5.0W (PEP)Typical
Current Drain	≤ 950mA
Modulation Type	Low Level Modulation
Modulation Limiting	70~100 %
Modulation Depth	85 ~ 95%
Conducted Spurious Emissions	<1GHz ≤ -46dBm, >1GHz ≤ -40dBm
Harmonics	<1GHz ≤ -36dBm, >1GHz ≤ -30dBm
Audio Harmonic Distortion	≤ 10 %(@ 85% ± 3dB Modulation)
Hum & Noise Ratio	≥ 40 dB @ 30% Modulation
Adjacent Channel Power	≥ 60 dB

Receiver

Configuration	Double Conversion Super heterodyne 1st IF (46MHz),2nd IF (455KHz)
Sensitivity (30%Modulation)	AM ≤ 0.55uV @ 6dB S/N 1KHz ≤ 0.65uV @ 12dB Sinad With CCITT FM ≤ 0.5uV (@ 12dB Sinad)
Squelch Sensitivity	AM ≤ 0.25uV FM ≤ 0.3uV
Adjacent Channel Rejection	≥ 60dB
Effective Acceptance Bandwidth	@ 6dB ≥ ± 8.5KHz
Intermodulation Response Rejection	≥ 64dB
Cross Modulation Rejection	≥ 70dB
Blocking	≥ 70dB
Receiver Spurious Emission	≤ -57dBm from 9KHz to 1GHz ≤ -47dBm from 1GHz to 4GHz
Hum & Noise Ratio	≥ 40dB @ 30 %Modulation
Spurious Response Rejection	≥ 70dB
Max Audio Output @10% Distortion	≥ 0.5 W(4 Ω) ≤ 300mA
Audio Distortion	≤ 5%
Standby Current Drain	65 mA (without power save) 35 mA (with 1/2 Duty Cycle) 20 mA (with 1/3 Duty Cycle)

Mechanical Specifications

Dimensions(Projections not included)	54mm(W) * 125mm(H)*30mm(D)
Weight(approx.)	0.32 Kg (With BP-17L and antenna)
Shock Resistance	Meets MIL STD 810 C/D/E/F Specifications
Moisture & Dust Resistance	According to the IEC529 &IP54 Regulations



Battery Cassette
(6xAAA)



Charger



Accessory Adaptor



Captain Headset



Battery Eliminator
connect with power supply



6-Way Charger



Cigar Lighter Cable



Bluetooth Adaptor

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