

Specifications

General

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|-------------------|---|
| Frequency | VHF1:136-174 MHz UHF1:400-470MHz UHF3:350-400MHz |
| Channel Capacity | 1024 |
| Channel Space | 12.5KHz/25KHz |
| Dimensions(H*W*D) | 60*174*190mm |
| Weight | 1500g |
| LCD | 2.8" HD TFT LCD 240x320 pixels, 262K colors |
| Operating Voltage | DC13.6V±15% |
| Current Drain | <9A (45W) <7A (25W) <5A (5W) |

Transmitter

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|---------------------------------|--|
| Frequency Stability | 0.5ppm |
| RF Power Output | High Power Model: 45~50W Low Power Model: 25W |
| Digital Modulation | 7K60FXD(Data Only) /7K60FXW(Data and Voice) |
| FM Modulation | 16K C/F3E@25KHz / 11K C/F3E@12.5KHz |
| 4FSK Modulation Accuracy | 5% |
| 4FSK BER | 0% |
| 4FSK and Magnitude Error | 5%/1% |
| Adjacent Channel Power | 70dB@25KHz / 60dB@12.5KHz |
| Conducted and Radiated Emission | -36dBm <1GHz / -30dBm >1GHz |
| Transmission Deviation limits | 5KHz@25KHz / 2.5KHz@12.5KHz |
| Audio Distortion | 3% |
| Hum and Noise | 45dB@25KHz / 40dB@12.5KHz |
| Audio Response | +1dB ~ 3dB |

Receiver

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|---|--|
| Digital Sensitivity | -120dBm / BER 5% -116dBm / BER 1% |
| Digital Dynamic Faded Sensitivity (100KM/H& 8KM/H Rayleigh Fading) | -104dBm |
| Analog Sensitivity | -120dBm / 12dB SINAD |
| Intermodulation | 75dB (TIA603) / 70dB(ETSI) |
| Blocking | 95dB (TIA603 & ETSI) |
| Spurious Response Rejection | 75dB (TIA603 & ETSI) |
| Selectivity | 75dB@25 KHz(TIA603&ETSI) /65dB@12.5KHz(TIA603&ETSI) |
| Conducted Spurious Emission | -57dBm |
| Rated Audio Power Output | 4W(Internal@20ohm load) /7.5W(External@8ohm load) |
| Rated Audio Distortion | 3% |
| Hum and Noise | 45dB @25KHz / 40dB@12.5KHz |
| Audio Response | +1dB ~ -3dB |
| Digital Vocoder Type | AMBE++ / NVOC |
| Digital Protocol | ETSI-TS102 361 -1, -2,-3,-4 |

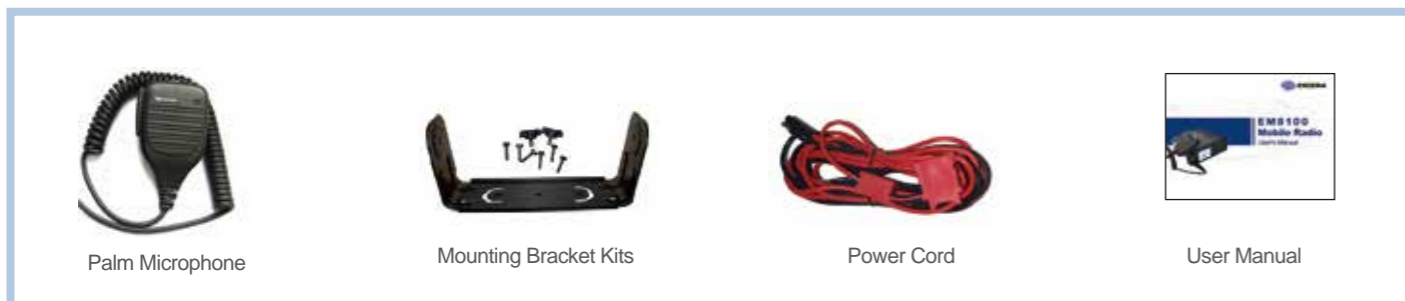
Reliability

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|-----------------------|--|
| Operating Temperature | -30 ~ +60 C |
| Storage Temperature | -40 ~ +85 C |
| IP Rating/Humidity | IP54(The Control Panel IP67 Design) |
| Shock&Vibration | MIL-STD-810 C/D/E/F/G standard |
| ESD | IEC 61000-4-2(level 4) ±8KV(Contact) , ±15KV(Air) |

GPS&GLONASS

| | |
|---------------------|----------|
| TIFF Cold Start | 60s |
| TIFF Hot Start | 10s |
| Horizontal Accuracy | 10meters |

Standard Accessories :



Pictures above are for reference only and may vary from actual products.

SHENZHEN EXCERA TECHNOLOGY CO.,LTD.
www.excera.com.cn



DMR Mobile Radio EM8100

- ◆ Full Duplex Communications
- ◆ 2.8" HD TFT LCD Display
- ◆ IP54 and MIL-STD-810 Standards Compliance
- ◆ DMR Tier II Conventional and DMR Tier III Trunked



