

YANTON®

DMR
DIGITAL MOBILE RADIO ASSOCIATION

DIGITAL / ANALOG COMBINED TRANSCEIVER

DM-860

Frequency:136-174MHZ or 400-480MHZ
1024 Channels, Output power:10W/5W
Digital Contacts (All call & Group call & Single call)
SMS Function (Support Edit and View)
Alarm Function, MAN DOWN
GPS Function



STANDARD ACCESSORIES
Belt Clip / Antenna / Charger / Battery / Adaptor



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TRANSCEIVER

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SPECIFICATION

GENERAL

| | |
|-----------------------|---------------------------------|
| Frequency Range | VHF:136-174MHZ UHF:400-480MHZ |
| Channel | 1024 Channels |
| Channel spacing | 12.5KHZ |
| Operating voltage | 7.4V |
| Battery type | Li-ion |
| Operating temperature | -30°C~+60°C |
| Store temperature | -40°C~+85°C |
| Antenna Impedence | 50Ω |
| Audio output power | ≤1000mW@16Ω |
| Battery capacity | 1800Mah standard Li-ion battery |
| Dimension(H*W*D) | 124*45*35mm (without antenna) |
| Weight | 194g |

TRANSMITTER

| | |
|--------------------------------|---|
| Output power | High: 10W(HI) Low: 5W(Low) |
| Frequency stability | +/-1.0ppm |
| Adjacent channel Power | ≤-60dB |
| Free time slot power | TDMA: ≤-57dBm |
| Hum and Noise | -40dB @ 12.5KHZ |
| Spurious Radiation | Antenna:9KHz-1GHz ≤-36dBm / 1GHz-12.75GHz ≤-30dBm |
| FM modulation mode | 12.5KHz: 11K0F3E |
| 4FSK digital mode | 12.5KHz (data only): 7K60FXD 12.5KHz (data+voice): 7K60FXE |
| Modulation Maximum Deviation | 2.5KHZ@12.5KHZ |
| Nonactive slot power | -57dBm |
| Digital protocol | ETSI TS 102 361-1,-2,-3 |
| Vocoder type | AMBE+2TM |
| Audio response | +1dB~-3dB |
| Modulation BER(Bit error rate) | ≤5% |

RECEIVER

| | |
|------------------------------|---|
| Analog sensibility | 0.35uV/-116dBm(20dB SINAD) / 0.22 uV/-120dBm (Type) |
| Digital sensibility | 0.3 uV/-117.4dBm (BER 5%) / 0.7uV/-110dBm(BER 1%) |
| Co-channel Rejection | ≥-12dB |
| Spurious response | TIA603C: 75dB ETSI: 70dB |
| Adjacent channel selectivity | TIA603C: 65dB ETSI: 60dB |
| Rated audio power | 1W |
| Audio response | =1dB~-3dB |
| Rated audio distortion | 3%(Type) |
| Spurious radiation | Antenna:9KHz-1GHz ≤-57dBm / 1GHz-12.75GHz ≤-47dBm |

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<http://www.yantonradio.com>