

# 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

## DM-860

### SPECIFICATION

#### GENERAL

|                       |                                 |
|-----------------------|---------------------------------|
| Frequency Range       | VHF:136-174MHZ UHF:400-480MHZ   |
| Channel               | 1000 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<br>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   |

**QUANZHOU YANTON ELECTRONICS CO.,LTD.**  
<http://www.yantonradio.com>

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