



Digital Migration Radio MD62X

- Analog & Digital Dual Modes
- Clear Voice
- Bluetooth Option





PROFESSIONAL AND SIMPLE TO USE



A&D Auto Detect

Compatible with analog conventional and digital conventional modes. Allow MD62X to simultaneously monitor analog and digital modes and automatically respond in each mode. It is an easy way for migration to digital from analog.



SUPPLEMENTARY FEATURES (Optional)

MD62X supports radio Enable/Disable, Remoter Monitor and Priority Interrupt.



ENLARGE TALKING RANGE

With a high RF power output up to 50W, MD62X can dramatically enlarge your communication range.



EMERGENCY ALARM/CALL

Use the orange emergency button to initiate an emergency alarm and call to other radios.



ANALOG SIGNALING

Support DTMF and HDC1200 signaling in analog mode.



BUILT-IN BLUETOOTH (Factory Optional)

Built-in Bluetooth supports MD62X to have wireless audio accessories and external PTT device connected.



DATA SERVICES

MD62X supports data capabilities, such as call alias, contacts, history, text message.



PRIVACY

Basic end-to-end Encryption secures your voice and data transmission.



RELIABLE AND DURABLE

MD62X is compliant with MIL-STD-810 G and IP54.



ROAMING (Optional)

It allows MD62X to be used in a large multi-site network.

TARGET MARKETS



Taxi



Agriculture



Truck



Delivery



School Bus



Ambulance

ACCESSORIES

Diverse accessories
for specific tasks

STANDARD



Power Cord



Bluetooth
Ring PTT



Wireless
Earphone



Antenna



Mounting
Bracket



Programming
Cable

OPTIONAL



DB26 plug
data cable
(USB to Serial Port)



Palm
Microphone



Foot Switch
(external PTT)



External
Speaker



Fuse



Ignition Cable



Power Supply

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

SPECIFICATIONS

| GENERAL | | | |
|-----------------------------|----------|---|-----|
| Frequency Range | | UHF:400-470MHz*; VHF:136-174MHz | |
| Channel Capacity | | 256 (16 channels per zone) | |
| Zone Capacity | | 16 | |
| Channel spacing | | 12.5 / 25 KHz | |
| Operating Voltage | | 13.6 V ±15% | |
| Current Drain | Standby | around 0.3A | |
| | Receive | < 1 A | |
| | Transmit | 1W | <3A |
| | | 25W | <8A |
| | | 5W | <5A |
| 45W | | <12A | |
| Weight | | 1100g | |
| Dimensions | | 164 X 43 X 150 mm | |
| Frequency Stability | | ±0.5 ppm | |
| Antenna Impedance | | 50Ω | |
| LCD Display | | 128*64 pixels, monochrome, 1.5 inch, 2 rows | |
| RECEIVER | | | |
| Sensitivity | Analog | 0.3μV (12dB SINAD); 0.22μV (Typical) (12dB SINAD); 0.4μV (20dB SINAD) | |
| | Digital | 0.3μV /BER5% | |
| Selectivity | TIA-603 | 60dB @ 12.5KHz / 70dB @ 25KHz [†] | |
| | ETSI | 60dB @ 12.5KHz / 70dB @ 25KHz [†] | |
| Intermodulation | TIA-603 | 70dB @ 12.5/25KHz [†] | |
| | ETSI | 65dB @ 12.5/25KHz [†] | |
| Spurious Response Rejection | TIA-603 | 70dB @ 12.5/25KHz [†] | |
| | ETSI | 70dB @ 12.5/25KHz | |
| Blocking | TIA-603 | 90dB | |
| | ETSI | 84dB | |
| Hum and Noise | | 40dB @ 12.5KHz 45dB @ 25KHz [†] | |
| Rated Audio Power Output | | Internal (@16 ohm load) | 4W |
| | | External (@8 ohm load) | 8W |
| Max Audio Power Output | | Internal (@16 ohm load) | 6W |
| | | External (@8 ohm load) | 12W |
| Rated Audio Distortion | | ≤3% | |
| Audio Response | | +1 ~ -3dB | |
| Conducted Spurious Emission | | <-57dBm | |

| TRANSMITTER | |
|-----------------------------|---|
| RF Power Output | Low power version: 1-25W (UHF/VHF) High power version: 5-45W(UHF) / 5-50W(VHF) |
| FM Modulation | 11K0F3E @ 12.5KHz; 16K0F3E @ 25KHz [†] |
| 4FSK Digital Modulation | 12.5KHz Data Only: 7K60FXD 12.5KHz Data & Voice: 7K60FXW |
| Conducted/Radiated Emission | -36dBm<1GHz; -30dBm>1GHz |
| Modulation Limiting | \pm 2.5KHz @ 12.5KHz \pm 5.0KHz @ 25KHz [†] |
| FM Hum & Noise | 40dB @ 12.5KHz 45dB @ 25KHz [†] |
| Adjacent Channel Power | 60dB @ 12.5KHz; 70dB @ 25KHz [†] |
| Audio Response | +1 ~ -3dB |
| Audio Distortion | \leq 3% |
| Digital Vocoder Type | AMBE++ or SELP |
| Digital Protocol | ETSI-TS102 361-1,-2,-3 |
| ENVIRONMENTAL | |
| Operating Temperature | -30°C~ +60°C |
| Storage Temperature | -40°C~ +85°C |
| ESD | IEC 61000-4-2 (Level 4) \pm 8kV (Contact) \pm 15kV (Air) |
| American Military Standard | MIL-STD-810 G |
| Dustproof & Waterproof | IP54 Standard |
| Humidity | MIL-STD-810 G Standard |
| Shock & Vibration | MIL-STD-810 G Standard |

* 400-470MHz is not available currently, and will come soon.

[†] 20KHz/25KHz will not be available on new equipment in the U.S. after 2011-01-01.

All specifications are subject to change without notice due to continuous development.

MD62X, X=0, 2, 5,6 or 8, model number varies geographically. For details, please contact our regional sales representatives.



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