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	±2.5KHz @ 12.5KHz ±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	≤3%
Digital Vocoder Type	AMBE++ or SELP
Digital Protocol	ETSI-TS102 361-1,-2,-3

ENVIRONMENTAL	
Operating Temperature	-30℃~ +60℃
Storage Temperature	-40℃~ +85℃
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±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

[#]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.

Digital **Migration** Radio MD**62X**

> Analog & Digital Dual Modes
> Remote Control Head
> Clear Voice
> GPS and Bluetooth Option

www.hytera.com

Radio diagram labels (top left)

VOLUME UP/DOWN
1.5" LCD DISPLAY
CHANNEL UP/DOWN
EMERGENCY BUTTON
AUDIO/ PROGRAMMING PORT
PROGRAMMABLE BUTTONS
POWER ON/OFF
INTERNAL SPEAKER

CH D1
Zone 1
P1 P2 OK
Hytera

RF ANTENNA CONNECTION PORT
GPS CONNECTION PORT
DC POWER SUPPLY REQUIRED
DB26 ACCESSORIES PORT

TARGET MARKETS

Taxi

Agriculture

Truck

Delivery

School Bus

Ambulance

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.

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

GPS POSITIONING (Optional)
With an external GPS module and GPS antenna, MD62X can upload its real-time position to AVL applications.

REMOTE CONTROL HEAD(Coming soon)
Remote control head kit reduces your concerns of installation, and offers you a flexible solution for various vehicle types.

ANALOG SIGNALING
Support DTMF and HDC1200(coming soon) signaling in analog mode.

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

RELIABLE AND DURABLE
MD62X is compliant with MIL-STD-810 C/D/E/F/G and IP54.

PSEUDO TRUNK
Several talk groups share the same frequency, and each one of them can dynamically chose to use one of the slots to talk. This is a two-slot-trunked mode. While time-slot 1 is busy, MD62X will use time-slot 2 to transmit.

RADIO REGISTRATION SERVICE
RRS allows MD62X working in Smart Dispatch and SmartOne Dispatch, for online/offline presence.

SUPPLEMENTARY FEATURES (Optional)
MD62X supports radio Enable/Disable, Remoter Monitor and Priority Interrupt.

EMERGENCY ALARM/CALL
Use the orange emergency button to initiate an emergency alarm and call to other radios.

BUILT-IN BLUETOOTH (Factory Optional)
Built-in Bluetooth supports MD62X to have wireless audio accessories and external PTT device connected.

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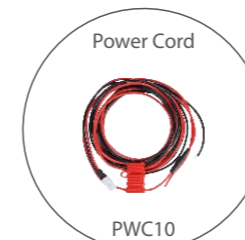Basic end-to-end Encryption secures your voice and data transmission.

ROAMING (Optional)
It allows MD62X to be used in a large multi-site network.

ACCESSORIES

Diverse accessories
for specific tasks

STANDARD

Power Cord — PWC10

Mounting Bracket — BRK29

Palm Microphone — SM11A1

OPTIONAL

Programming Cable — PC109

Bluetooth Ring PTT — POA121

Antenna

Foot Switch (external PTT) — POA44

Remote Mount Kit — Coming soon

Ignition Cable — PC60

GPS Antenna — GPS04

Power Supply — PS22002(L)

External Speaker — SM09D1

External GPS Module — POA134

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