



Analog Mobile Radio MD622A

- High Capacity Channels
- Clear Voice
- Bluetooth Option





PROFESSIONAL AND SIMPLE TO USE



High Capacity Channels

Support up to 512 analog channels to manage your daily work.



Swift Channel Selecting

Optional swift channel selecting feature can skip 10 channels everytime when you long press the P1/P2 button.



ENLARGE TALKING RANGE

With a high RF power output up to 50W, MD622A 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 MD622A to have wireless audio accessories and external PTT device connected.

TARGET MARKETS



Mining



Agriculture



Truck



Forestry



School Bus



Oil & Gas

ACCESSORIES

Diverse accessories for specific tasks

STANDARD



Power Cord



Bluetooth Ring PTT



Wireless Earphoen



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	VHF:136-174MHz		
Channel Capacity	512		
Zone Capacity	6		
Channel spacing	12.5 / 25 KHz		
Operating Voltage	13.6V ±15%		
Current Drain	Standby	around 0.3A	
	Receive	< 1 A	
	Transmit	5W	<5A
		50W	<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)
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	5-50W
FM Modulation	11K0F3E @ 12.5KHz; 16K0F3E @ 25KHz
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%

ENVIRONMENTAL	
Operating Temperature	-30°C~ +60°C
Storage Temperature	-40°C~ +85°C
ESD	IEC 61000-4-2 (Level 4) ±8kV (Contact) ±15kV (Air)

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



Hytera Canada

Address: Unit 11, 100 Leek Crescent, Richmond Hill, ON L4B 3E6

Tel: (905) 305-7545 **Fax:** (905) 305-7546

http://www.hytera.ca **marketing@hytera.ca**

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