

KG 208 series

VHF / UHF FM Mobile Radio



A new world order

As times change, so do the needs of mobile radio users. Since the radio user has become more sophisticated, so must the radio, features that yesterday were after market options are now demanded as standard Product, as well as new frequency allocations in many countries simply cannot be ignored. Introducing the KG208 mobile radio – a radio that will set a new standard in the world order.

An Extensive Array of Standard Features Available in Software

Main Features

Programmable Channel Spacing

Wide/Narrow per channel, both 5 tone and DTMF.DTMF.
up to 200 channels (100 with alpha channel name feature)

Wide Frequency Coverage

Models are available for 66-88 MHz VHF, 136-300 MHz VHF, and 300-520 MHz UHF – more frequencies than any other manufacturer.*

*See specifications for band splits.

Alphanumeric Display

Large backlit characters tell you the radio's status at a glance. No flashing lights or confusing tones.

Emergency Mode

You can send a silent alarm in case of trouble

Password Feature

On power up, the radio can require you to enter your unique password number to prevent unauthorized listeners.

Voice Inversion

For message privacy, voice inversion makes your conversation unintelligible to unauthorized listeners.

Keyboard Lock Feature

You can "lock" your keyboard settings to prevent tampering.

Kill Mode

The KG208 can be completely disabled or enabled from the central base station.

PC Programmable

No need for specialized equipment to define the radio's personality. A cloning cable allows quick field personalization.



More Features available without additional cost

- Wide non – tuning bandwidth
- Choice of transmitter power
- 5-tone selcall
- DTMF encode/decode
- Scan with 4 priority levels
- Automatic number identification (ANI)
- Self diagnostics
- Up to 200 channels (100 with alpha channel name feature)
- Time out timer
- Busy channel lockout
- Activity timer

Make The KG208 Work For You With The Right Options

Many options and accessories are available to tailor the KG208 to your operating requirements.



16 keys



8 keys



Power supply unit



External speaker



Desk top microphone



Remote control unit



Programming cable

SPECIFICATIONS

KG208 Mobile Transceiver

GENERAL					
Frequency Range	30 MHz Band	80 MHz Band	VHF Band	200 MHz Band	UHF Band
	Designated 03	Designated 08	Designated 15	Designated 20	Designated 40
Band Splits	A: 30 - 40 MHz B: 40 - 50 MHz C: 45 - 55 MHz* * Special Order	A: 66 - 88 MHz	A: 134-162 MHz B: 146-174 MHz	A: 176-208MHz B: 208-245 MHz C: 240-276 MHz	SA: 300-335 MHz A: 335-370 MHz B :365-400 MHz C: 400-435 MHz DS: 420-455 MHz D: 440-475 MHz E: 465-500 MHz F: 485-520 MHz
Number of Channels	200 channels or 100 channels with channel name				
Channel Spacing	12.5, 20, 25, 30 kHz programmable by channel				
Mode of Operation	Simplex or Semi duplex, Push To Talk				
Antenna Impedance	50 Ohms unbalanced				
Power Supply	13.6 V DC +/- 20% negative ground				
Power Consumption	TX: <3 A @ 10 W, <5 A @ 25 W, <8A @ 40 W, RX: 330 mA standby, 370mA receive-mid volume, 525 mA receive-max volume				
Environmental Conditions	Ambient temperature: -30 C to +60 C (-22 F to +140 F) Relative humidity: 95% at 35 C				
Dimensions	High power model		Standard model		
	166 mm (6.54" width 50 mm (1.97") high 195 mm ((7.7") long		166 mm (6.54" width 50 mm (1.97") high 173 mm (6.81") long		
Weight	1.7 kg (3.74 lb.)		1.5 kg (3.3 lb.)		
Color	Dark gray, textured		Dark gray, textured		
Construction	Die cast aluminum chassis and control unit, stamped steel covers				
TRANSMITTER					
RF Power Output Models are available at 10 W, 25 W & 40 W in VHF and UHF bands	30 MHz Band 40 W	80 MHz Band 25 W	VHF Band 5-10 W (10 W) 10-25 W (25W) 20-40 W (40W)	200 MHz Band 25 W	UHF Band 5-10 W (10W) 10-25 W (25W) 20-40 W (40W)
	All powers are programmable high or low (two levels) by channel and selectable at front panel Low power levels are adjustable down to 2 W.				
Max. Frequency Deviation	Wide band: +/- 5 kHz, Narrow band, +/- 2.5 kHz				
Frequency Stability	+0.0003%				
Frequency Response	Within +1, -3dB of 6 dB/octave pre-emphasis from 300 to 3000 Hz, 1 kHz ref.				
Signal to Noise Ratio	Wide band: more than 50dB at 1 kHz 70% modulation Narrow band: more than 45 dB at 1 kHz 70% modulation				
Modulation Distortion	Less than 3% at 1kHz 70% modulation				
Spurious and Harmonics	More than 70 dB below rated power				
RECEIVER					
Intermediate Frequency	1 st IF: 48.5 MHz, 2 nd IF: 455 kHz				
Frequency Stability	+0.0003%				
Sensitivity	Less than 0.4 μV for 20 dB quieting, Less than 0.25μV for 12 dB SINAD				
Squelch Sensitivity	Less than 0.25 μV				
Selectivity	More than 70 dB at 25 kHz point				
Blocking	More than 90 dB				
Intermodulation	More than 70 dB				
Spurious Response	More than 70 dB				
AF Response	Within +1, -3 dB of 6 dB/octave de-emphasis from .3 to 3 kHz, 1 kHz Ref.				
AF Output	Internal speaker: 2.5 W @ < 5% distortion into 8 Ohms, 1 kHz, 70% modulation External Speaker: 5 W @ <5% distortion into 4 Ohms, 1 kHz, 70% modulation				
Signal to Noise Ratio	Wide band, 25 KHz: more than 50 dB at 1 kHz 70% modulation Narrow band, 12.5 KHz: more than 45 dB at 1kHz 70% modulation				

NOTICE: Due to constant technological developments and changes, specifications may vary without notice. Options and specifications may vary slightly in different countries to suit local requirements. Some bands may not be available in the U.S. pending FCC approvals.

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