

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.And new frequency allocations in many countries simply cannot be ignored

KG208 SERIES

VHF/UHF FM
MOBILE RADIO



A new world order

- Introducing the KG208 mobile radio – a radio that will set a new standard in the world order
- More features available without additional cost

▼ MAIN AND ADVANCED FEATURES

- Wide frequency coverage.Models are available from 30Mhz up to 520 MHz – more frequencies than any other manufacturer
- Alphanumeric display.Large backlight characters at a glance
- Emergency mode.Silent alarm in case of trouble
- Password feature.Prevents unauthorized use
- Voice encryption with band inversion method
- Key lock feature to prevent tampering
- Kill mode.Radio can be disabled and enabled remotely
- PC programmable with friendly user software ad cable
- Wide non-tuning bandwidth
- Choice of transmitter power manual and per channel basis
- 5 tone selcall
- DTMF encoder/decoder
- Two mode scan with two priority levels
- Automatic number adentification (ANI)
- Self diagnostics
- Up to 200 channels (100 with alphanumeric label)
- Time out timer with 6 second penalty
- Busy channel lockout
- Activity timer
- Channel spacing selectable per channel (12,5 or 25 kHz)
- Optional GPS receiver for AVL applications

▼ Standard composition



▼ Options



KC 10 for desktop & 19 inch rack purposes
(Includes power supply & battery charger)



ESM208
Desktop microphone



08-EXT-H
External speaker




08-RCCM-01
Remote control unit



PROGKIT208
Programming cable

▼ SPECIFICATIONS

| GENERAL KG208 | | | | |
|--|---|--|--|--|
| Frequency range: | <u>Band de 30MHz</u> Band A: 30 – 40 MHz Band B: 40 – 50 MHz | <u>Band de 80 MHz</u> Band A: 66-88 MHz | <u>Band 150/200 MHz</u> Band 15A: 136-162 MHz Band 15B: 146-174 MHz Band 20A: 176-208 MHz Band 20B: 208-248 MHz Band 20C: 240-276 MHz | <u>Band de 400 MHz</u> Band SA: 300-335 MHz Band A: 335-370 MHz Band B: 365-400 MHz Band C: 400-435 MHz Band DS: 420-455 MHz Band D: 440-475 MHz Band E: 465-500 MHz Band F: 485-520 MHz |
| Number of channels: | 200 channels (100 with alphanumeric label) | | | |
| Channel spacing: | 12,5/20/25/30 kHz programmable per channel | | | |
| Switching bandwidth: | RX/TX complet sub-band | | | |
| Operation mode: | Simplex/semiduplex | | | |
| Antena impedance: | 50 ohms unbalanced | | | |
| Power supply & consumption: | 13,6V DC negative to ground @ 8A or less at 25W | | | |
| Environmental condicions: | Ambient temperature -30 °C to +60 °C | | | |
| Dimensions and weight: | Relative humidity 95% at +35 °C width = 166mm depth= 195mm height= 50mm Weight 1,7 Kg | | | |
| Approvals and quality: (99/5/CE European council directive) | Spectrum matters: EN 300 086-1/2 (2001) Electromagnetic compatability: EN 301 489-1 (2000) Electrical security: EN 60950/A4/A11 (1995/1997) | |  | The use of this apparatus should be accompanied by an administration license issued by the PTT authority |
| TRANSMITTER | | | | |
| RF power output: | 25 watts.(40 watts models 03A/B/C).Two levels programmable HI/LO. | | | |
| Maximum frequency deviation: | Narrowband 12,5 kHz: ± 2,5 kHz and Wideband 25,0 kHz: ± 5,0 kHz | | | |
| Frequency stability: | 25kHz: ± 0.0005% y 12,5kHz: 0.0003% | | | |
| Frequency response: | +1, -3 dB of 6 dB/octave pre-énfasis from 0.3 to 3kHz 1kHz reference | | | |
| Signal to noise ratio: | > 50 dB (Wideband), > 45 dB (Narrowband) at 1 kHz, 70% modulation | | | |
| Modulation distorsion: | Less than 3% at 1kHz 70% modulation | | | |
| Spurious & Harmonics: | Less than 70dB below rated power | | | |
| RECEIVER | | | | |
| Intermediate frequency: | 1st I.F. 48.5 MHz / 2nd I.F. 455 kHz (1st I.F. 21.6 MHz for 30 MHz band units) | | | |
| Frequency stability: | 25kHz: ± 0.0005% y 12,5kHz: 0.0003% | | | |
| Sensitivity: | Better than 0,4 µV for 20 dB SINAD and better than 0,3 µV for 12 dB SINAD | | | |
| Squelch sensitivity: | Better than 0,25 µV | | | |
| Selectivity: | More than 70 dB at 25 kHz point | | | |
| Blocking: | > 90 dB | | | |
| Intermodulation: | > 70 dB | | | |
| Spurious response: | > 70 dB | | | |
| AF response: | +1, -3 dB of 6 dB/octave pre-énfasis from 0.3 to 3kHz 1kHz reference | | | |
| AF distorsion: | Less than 5% at 1 kHz 70% modulation | | | |
| Signal to noise ratio: | > 50 dB (Wideband), > 45 dB (Narrowband) at 1 kHz, 70% modulation | | | |

These specifications have been prepared for worldwide markets. Due to constant technological developments and changes, Kyodo reserves the right to vary these specifications without notice. Furthermore, options and specifications may vary slightly in different countries to suit particular requirements.



KYODO COMUNICACIONES ESPAÑA

Ctra de Hospitalet, 63

E-08940 Cornellà de Llobregat

BARCELONA (SPAIN)

Tlf: +34 93 474 43 45 Fax: +34 93 474 41 65

email: kyodo@infonegocio.com

www.kyodo.es



DEALER:

▼ MODELS

The KG208 series are codificated as follows:

| Model Reference | Frequency range |
|-----------------|-----------------|
| KG208-03A25K | 30 – 40 MHz |
| KG208-03B25K | 40 – 50 MHz |
| KG208-08A25K | 66 – 88 MHz |
| KG208-15A25K | 136 – 162 MHz |
| KG208-15B25K | 146 – 174 MHz |
| KG208-20A25K | 176 – 208 MHz |
| KG208-20B25K | 208 – 248 MHz |
| KG208-20C25K | 240 – 276 MHz |
| KG208-40SA25K | 300 – 335 MHz |
| KG208-40A25K | 335 – 370 MHz |
| KG208-40B25K | 365 – 400 MHz |
| KG208-40C25K | 400 – 435 MHz |
| KG208-40DS25K | 420 – 455 MHz |
| KG208-40D25K | 440 – 475 MHz |
| KG208-40E25K | 465 – 500 MHz |
| KG208-40F25K | 485 – 520 MHz |