



100 Watt Digital/Analog Mobile Radios

High-power mobiles from BK Radio



RELM BK
RADIO



High Power Mobile Radios

Features

GMH Analog and DMH Digital
 Code Guard Squelch
 (CTCSS/CDCSS)
 User Selectable Code Guard
 Transmit Time Out Timer
 Frequency Display
 User Selectable Scan
 Dual Priority Scan
 Talkback Scan
 Busy Channel Lockout
 Busy Channel Indicator
 DTMF ANI
 Programmable Soft Switches

DMH Additional Features

True Mixed-Mode Operation
 Unit-to-Unit Call
 Field Programming Lockouts
 Meets APCO25 Standards



General

Channels	GMH - 240 DMH - 400
Frequency Range	136-174 MHz
Alphanumeric Display	Vacuum Fluorescent
DTMF Encode	LAA0290 mic
Transmit Current Drain	23.0 Amps
Operating Temperature	-30 TO +60 °C
Dimensions W x D x H	6 x 13.9 x 2.12 in. (Dash Mount)
Weight	6.8 lbs.
Stability	+/-2.5 PPM
Channel Spacing	25/30 and 12.5/15 KHz
Channel Increments	2.5/6.25 KHz
Antenna Connector	MINI UHF
FCC Type Acceptance	GMH - K95GMH599 DMH - K95DMH599

Transmitter

RF Output Power	100 Watts
Operating Frequency Spread	38 MHz
Modulation	GMH - 16K0FXE/11K0F3E DMH - 16K0FXE/11K0F3E 8K10F1D/8K10F1E
Spurious and Harmonics	80 dB
Hum and Noise (per TIA)	50 dB(wide)/45 dB (narrow)
Audio Distortion	3%
Antenna Output Impedance	50 Ohms
Audio Response (per EIA)	+1/-3 dB

Receiver

Sensitivity:12 dB Sinad	.30 uV
Selectivity	GMH - 75 dB /80 dB(w/n) DMH - 75 dB /70 dB(w/n)
Spurious including Image	80 dB
Intermodulation	75 dB/63 dB (w/n)
Max.Audio Output (5% dist.)	GMH - 4 Watts DMH - 4 W Int./10 W Ext.
Audio Frequency Load	GMH - 3.2 Ohms DMH - 16 Ohms Int. 8 Ohm Ext.
Audio Response (per EIA)	+1/-3 dB

Specifications subject to change without notice.

Making reliable communications affordable

RELM Wireless Corporation

7100 Technology Drive . West Melbourne, FL 32904

USA: 800-821-2900 . International: 1-321-984-1414 . Fax: 800-704-3177

Website: www.relm.com