

GMH

FLEX•MODE™

Synthesized FM Mobile Radio

136-174 MHz

240 RF Channels

15 to 50 Watts RF Power



THE GMH MOBILE RADIO

The BK Radio GMH is the smallest VHF 50-watt mobile in its class. It delivers a 38 MHz bandwidth, PC programmability, built-in CTCSS/CDCSS 240 channels in 15 user groups.


Flex•Mode™ may be programmed by channel and/or group in 12.5/15 kHz and 25/30 kHz channel spacing.

The GMH Mobile Radio carries a full 2-year warranty.

 **BK RADIO**

Synthesized FM Mobile Radio
 136-174 MHz
 240 RF Channels
 15 to 50 Watts RF Power
 Channel Spacing 25/30 kHz or 12.5/15 kHz
 Programmable by Channel



<p>FEATURES</p> <p>Model Number GMH 599 2X</p> <p>Channels 240</p> <p>Enhanced User CG INCL.</p> <p>Code Guard Squelch (CTCSS & CDCSS) INCL.</p> <p>Time Out Timer INCL.</p> <p>Vacuum Fluorescent Alphanumeric Display INCL.</p> <p>Frequency Display INCL.</p> <p>User Select Scan INCL.</p> <p>Dual Priority Scan INCL.</p> <p>Busy Channel Lockout INCL.</p> <p>Busy Channel Indicator INCL.</p> <p>DTMF ANI INCL.</p> <p>Talk-back Scan INCL.</p> <p>Interstitial Frequency Capability INCL.</p>	<p>TRANSMITTER</p> <table border="1"> <thead> <tr> <th></th> <th>25/30</th> <th>12.5/15</th> </tr> </thead> <tbody> <tr> <td>RF Output Power - Watts</td> <td>15 to 50</td> <td>15 to 50</td> </tr> <tr> <td>Operating Frequency Spread - MHz</td> <td>38</td> <td>38</td> </tr> <tr> <td>Modulation</td> <td>16K0FXE</td> <td>11K0F3E</td> </tr> <tr> <td>Spurious and Harmonics - dB</td> <td>80</td> <td>80</td> </tr> <tr> <td>Hum and Noise - dB (per TIA)</td> <td>50</td> <td>45</td> </tr> <tr> <td>Audio Distortion - %</td> <td>3</td> <td>3</td> </tr> <tr> <td>Antenna Output Impedance - Ohms</td> <td>50</td> <td>50</td> </tr> <tr> <td>Audio Response (per EIA) dB</td> <td>+1/-3</td> <td>+1/-3</td> </tr> </tbody> </table>		25/30	12.5/15	RF Output Power - Watts	15 to 50	15 to 50	Operating Frequency Spread - MHz	38	38	Modulation	16K0FXE	11K0F3E	Spurious and Harmonics - dB	80	80	Hum and Noise - dB (per TIA)	50	45	Audio Distortion - %	3	3	Antenna Output Impedance - Ohms	50	50	Audio Response (per EIA) dB	+1/-3	+1/-3												
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<p>GENERAL</p> <p>Frequency Range - MHz 136-174</p> <p>Primary Power Input:</p> <p>Receive @ 13.8V-Amps 1.0</p> <p>Transmit @ 13.6V-Amps 16.0</p> <p>Standby @ 13.8V-Amps .5</p> <p>Operating Temperature - C° -30 TO +60</p> <p>Size W x D x H - inches 6 x 9.38 x 2.12</p> <p>Weight lbs. max. 5</p> <p>Stability - PPM +2.5</p> <p>Channel Spacing - kHz 25/30 and 12.5/15</p> <p>Channel Increments - kHz 2.5/6.25</p> <p>Antenna Connector MINI UHF</p>	<p>RECEIVER</p> <table border="1"> <thead> <tr> <th></th> <th>25/30</th> <th>12.5/15</th> </tr> </thead> <tbody> <tr> <td>Sensitivity: 12 dB Sinad - mV</td> <td>.28</td> <td>.28</td> </tr> <tr> <td>Frequency Spread - MHz</td> <td>38</td> <td>38</td> </tr> <tr> <td>Selectivity - dB</td> <td>75</td> <td>70</td> </tr> <tr> <td>Spurious including Image - dB</td> <td>80</td> <td>80</td> </tr> <tr> <td>Intermodulation - dB</td> <td>75</td> <td>63</td> </tr> <tr> <td>Max. Audio Output - Watts (5% dist.)</td> <td>4</td> <td>4</td> </tr> <tr> <td>Audio Frequency Load - Ohms</td> <td>3.2</td> <td>3.2</td> </tr> <tr> <td>Input Impedance - Ohms</td> <td>50</td> <td>50</td> </tr> <tr> <td>Audio Response (per EIA) dB</td> <td>+1/-3</td> <td>+1/-3</td> </tr> </tbody> </table>		25/30	12.5/15	Sensitivity: 12 dB Sinad - mV	.28	.28	Frequency Spread - MHz	38	38	Selectivity - dB	75	70	Spurious including Image - dB	80	80	Intermodulation - dB	75	63	Max. Audio Output - Watts (5% dist.)	4	4	Audio Frequency Load - Ohms	3.2	3.2	Input Impedance - Ohms	50	50	Audio Response (per EIA) dB	+1/-3	+1/-3									
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<p>FCC Type K95GMH599 Parts: 22, 74, 80, 90 Specifications subject to change without notice. Measurements made in accordance with applicable TIA/EIA-603-A standards. ©2003 RELM Wireless Corporation</p>  <p>A DIVISION OF RELM WIRELESS CORPORATION 7100 TECHNOLOGY DRIVE • WEST MELBOURNE, FL 32904 800-648-0947 • (407) 984-1414 • Fax (407) 984-0434 www.relm.com</p>	<p>STANDARDS</p> <p>Designed to meet the following military standards.</p> <table border="1"> <thead> <tr> <th>MIL-STD</th> <th>810D</th> <th>810E</th> </tr> <tr> <th></th> <th>Mthd. Proc.</th> <th>Mthd. Proc.</th> </tr> </thead> <tbody> <tr> <td>Low Pressure</td> <td>500.2 1</td> <td>500.3 1</td> </tr> <tr> <td>High Temperature</td> <td>501.2 1 & 2</td> <td>501.3 1 & 2</td> </tr> <tr> <td>Low Temperature</td> <td>502.2 1 & 2</td> <td>502.3 1 & 2</td> </tr> <tr> <td>Temp. Shock</td> <td>503.2 1</td> <td>503.3 1</td> </tr> <tr> <td>Solar Radiation</td> <td>505.2 1</td> <td>505.3 1</td> </tr> <tr> <td>Rain</td> <td>506.2 1 & 2</td> <td>506.3 1 & 2</td> </tr> <tr> <td>Humidity</td> <td>507.2 2</td> <td>507.3 2</td> </tr> <tr> <td>Salt Fog</td> <td>509.2 1</td> <td>509.3 1</td> </tr> <tr> <td>Dust</td> <td>510.2 1</td> <td>510.3 1</td> </tr> <tr> <td>Vibration</td> <td>514.3 1</td> <td>514.3 1</td> </tr> <tr> <td>Shock</td> <td>516.3 1 & 4</td> <td>516.4 1 & 4</td> </tr> </tbody> </table> <p>Unit meets U.S. Forest Service vibration and TIA/EIA-603-A specifications.</p>	MIL-STD	810D	810E		Mthd. Proc.	Mthd. Proc.	Low Pressure	500.2 1	500.3 1	High Temperature	501.2 1 & 2	501.3 1 & 2	Low Temperature	502.2 1 & 2	502.3 1 & 2	Temp. Shock	503.2 1	503.3 1	Solar Radiation	505.2 1	505.3 1	Rain	506.2 1 & 2	506.3 1 & 2	Humidity	507.2 2	507.3 2	Salt Fog	509.2 1	509.3 1	Dust	510.2 1	510.3 1	Vibration	514.3 1	514.3 1	Shock	516.3 1 & 4	516.4 1 & 4
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For authorized personnel, the GMH can be programmed using the RS232 cable and programming software, cloned or via a programming microphone.