

**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 fifteen 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.**



WORLD CLASS RADIOS.™

*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><b>FEATURES</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 60%;">Model Number</td><td style="text-align: right;">GMH 599 2X</td></tr> <tr><td>Channels</td><td style="text-align: right;">240</td></tr> <tr><td>Enhanced User CG</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Code Guard Squelch (CTCSS &amp; CDCSS)</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Time Out Timer</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Vacuum Fluorescent Alphanumeric Display</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Frequency Display</td><td style="text-align: right;">INCL.</td></tr> <tr><td>User Select Scan</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Dual Priority Scan</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Busy Channel Lockout</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Busy Channel Indicator</td><td style="text-align: right;">INCL.</td></tr> <tr><td>DTMFANI</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Talk-back Scan</td><td style="text-align: right;">INCL.</td></tr> <tr><td>Interstitial Frequency Capability</td><td style="text-align: right;">INCL.</td></tr> </table>	Model Number	GMH 599 2X	Channels	240	Enhanced User CG	INCL.	Code Guard Squelch (CTCSS & CDCSS)	INCL.	Time Out Timer	INCL.	Vacuum Fluorescent Alphanumeric Display	INCL.	Frequency Display	INCL.	User Select Scan	INCL.	Dual Priority Scan	INCL.	Busy Channel Lockout	INCL.	Busy Channel Indicator	INCL.	DTMFANI	INCL.	Talk-back Scan	INCL.	Interstitial Frequency Capability	INCL.	<p><b>TRANSMITTER</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>25/30</u></th> <th style="text-align: center;"><u>12.5/15</u></th> </tr> </thead> <tbody> <tr><td>RF Output Power - Watts</td><td style="text-align: center;">15 to 50</td><td style="text-align: center;">15 to 50</td></tr> <tr><td>Operating Frequency Spread - MHz</td><td style="text-align: center;">38</td><td style="text-align: center;">38</td></tr> <tr><td>Modulation</td><td style="text-align: center;">16K0F3E</td><td style="text-align: center;">11K0F3E</td></tr> <tr><td>Spurious and Harmonics - dB</td><td style="text-align: center;">80</td><td style="text-align: center;">80</td></tr> <tr><td>Hum and Noise - dB</td><td style="text-align: center;">50</td><td style="text-align: center;">45</td></tr> <tr><td>Audio Distortion - %</td><td style="text-align: center;">3</td><td style="text-align: center;">3</td></tr> <tr><td>Antenna Output Impedance - Ohms</td><td style="text-align: center;">50</td><td style="text-align: center;">50</td></tr> <tr><td>Audio Response - dB</td><td style="text-align: center;">+1/-3</td><td style="text-align: center;">+1/-3</td></tr> </tbody> </table>		<u>25/30</u>	<u>12.5/15</u>	RF Output Power - Watts	15 to 50	15 to 50	Operating Frequency Spread - MHz	38	38	Modulation	16K0F3E	11K0F3E	Spurious and Harmonics - dB	80	80	Hum and Noise - dB	50	45	Audio Distortion - %	3	3	Antenna Output Impedance - Ohms	50	50	Audio Response - dB	+1/-3	+1/-3
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<p style="text-align: center;">FCC Type Acceptance K95GMH599 Parts: 22, 74, 80, 90          Specifications subject to change without notice.          Measurements made in accordance with applicable TIA/EIA standards.          ©2001 BK Radio</p> <div style="text-align: center;"> <p><b>BK RADIO</b></p> <p>A DIVISION OF RELM WIRELESS CORPORATION              7100 TECHNOLOGY DRIVE • WEST MELBOURNE, FL 32904              800-648-0947 • (321) 984-1414 • Fax (321) 984-0434              www.relm.com</p> </div>	<p><b>STANDARDS</b></p> <p>Designed to meet the following military standards.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MIL-STD</th> <th>810D</th> <th>810E</th> </tr> <tr> <th></th> <th><i>Mthd.</i> <i>Proc.</i></th> <th><i>Mthd.</i> <i>Proc.</i></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 &amp; 2</td><td>501.3 1 &amp; 2</td></tr> <tr><td>Low Temperature</td><td>502.2 1 &amp; 2</td><td>502.3 1 &amp; 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 &amp; 2</td><td>506.3 1 &amp; 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 &amp; 4</td><td>516.4 1 &amp; 4</td></tr> </tbody> </table> <p>Unit meets U.S. Forest Service vibration and TIA/EIA-603 specifications.</p>	MIL-STD	810D	810E		<i>Mthd.</i> <i>Proc.</i>	<i>Mthd.</i> <i>Proc.</i>	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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