

MIDLAND®

MICRO**MOBILE**® GMR5 MICROPHONE



MXMC01

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TABLE OF CONTENTS

WELCOME TO THE WORLD OF MIDLAND.....	3
FEATURES.....	3
MIC DESCRIPTION.....	4
LCD DESCRIPTION.....	5
OPERATION.....	5
SELECTING THE ACTIVE CHANNEL.....	6
ADJUSTING THE VOLUME.....	6
TRANSMITTING AND RECEIVING A CALL.....	6
LOCKING KEY PAD.....	7
USING MONITOR MODE.....	7
SCANNING FOR ACTIVITY CHANNEL.....	7
NOAA WEATHER RADIO / SCAN.....	8
Enter and Exit Weather Scan.....	8
To Manually Set Weather Channel.....	8
To Enable Weather Alert.....	9
MENU.....	9
2.1 Privacy.....	9
2.2 Power.....	10
2.3 Squelch.....	10
2.4 Roger Beep.....	10
2.5 Call Tone.....	11
2.6 Key Tone.....	11
2.7 Repeater.....	11
2.8 Back Light.....	12
2.9 Band Mode.....	12
2.10 Noise Cancel.....	12
RESET FUNCTION.....	13
FREQUENCY LIST.....	14
GMRS Frequency Chart.....	14
GMRS Repeater Frequency Chart.....	14
WX Band Chart.....	14
CTCSS Privacy Code Chart.....	15
DCS Privacy Code Chart.....	15
LIMITED WARRANTY.....	16

WELCOME TO THE WORLD OF MIDLAND RADIO

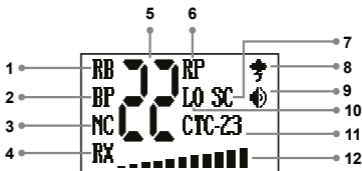
Congratulations on your purchase of a high quality MIDLAND product. Your MXMC01 Microphone represents state-of-the-art high tech engineering. Designed for General Mobile radio Service (GMRS) operation, this compact package is big on performance. It is a quality piece of electronic equipment, skilfully constructed with the finest components. The circuitry is all solid-state and mounted on a rugged printed circuit board. Your MXMC01 is designed for reliable and trouble-free performance for years to come.

FEATURES

- Compatible with MXT275 & MXT575 Radios
- Automatic Noise Cancelling
- LED Indicator
- Channel Select



No.	Description	Short Press	Long Press
1	Switch		
2	MIC		
3	PTT	Push to Talk	
4	LCD		
5	Channel Up	Channel Up Select	Channel Continuous Up Select
6	Menu	Menu and Select Button	
7	Weather	Enter Weather Mode	Setting Weather Alert
8	Call	Call Tone	
9	Lock	Confirm Key in Menu	Keypad Lock
10	Monitor	Open Monitor	
11	Scan	Start / Stop Scanning	
12	TX / RX LED		
13	Channel Down	Channel Down Select	Channel Continuous Down Select
14	Speaker		



No.	Description	No.	Description
1	Roger Beep	7	Scan Indicator
2	Key Tone	8	Weather
3	ANC	9	Monitor
4	TX / RX Indicator	10	Hi / Low Power
5	Channel	11	CTCSS / DCS
6	Repeater Channel	12	S-Meter

OPERATION

1.1 ON / OFF

To turn the radio on and off

- With the radio off, turn the knob clockwise. You will hear a tone when the radio is on.
 - The LCD display will show all icons for one second and then display the most recently selected channel.
- With the radio on, turn the knob counter clockwise.
 - The LCD display will go blank when the radio turns off.

NOTE: Low-Voltage/High-Voltage Alert

If the power supply voltage exceeds 16VDC, an alert tone sounds and HI DC flashes every 2 seconds. The power source must not exceed 25VDC otherwise permanent damage may occur to your radio, which may not be covered by the manufacturer's warranty.

If the input voltage falls below 10VDC, an alert tone sounds and LO DC flashes every 2 seconds. The power turns off automatically if voltage falls below 8.5VDC.

Selecting the Active Channel

IMPORTANT! To communicate between two radios, both radios must be set to the same channel (see **Selecting a Privacy Code**) selections.

To Select the Active channel

1. Be sure the radio is turned on (See **Power On/Off**)
 2. Press and release the **Channel Up** button on the microphone to scroll forward through the available channels. Press and release the **Channel Down** button on the microphone to scroll backward through the available channels.
- The Channel icon on the LCD display will show the active channel.
 - To make the repeater channels selectable, see **Activate Repeater Channel**.

Setting Volume

1. Turn the Volume knob clockwise to increase the volume.
2. Turn the Volume knob counter clockwise to decrease the volume.

Transmitting and Receiving a Call

IMPORTANT! To communicate between two radios, both radios must be set to the same channel (see **Selecting a Privacy Code**) selections.

To Transmit and Receive a Call

1. Be sure the radio is turned on (see **Power On/Off**)
2. To transmit a call, press and hold the PTT button on the microphone and speak into the microphone in a normal voice.

NOTE: *For maximum clarity, hold the microphone 2 to 3 inches from your mouth when speaking.*

- The **TX** icon will show continuously on the LCD display while transmitting.
3. To receive a call, release the **PTT** button on the microphone.
- The **RX** icon will show on the LCD display when your radio is receiving a transmission.
4. If necessary, turn the volume knob clockwise or counter clockwise to increase or decrease the radio volume.

Locking the Keypad

You can use the keypad “lock” function to prevent accidentally changing your radio’s settings. When the function is enabled, the current radio settings are “locked” in place.

NOTE: When the “lock” function is enabled, the **PTT** button on the microphone and the **Volume Knob** on the microphone remain active.

To “lock” and “unlock” the keypad:

1. Be sure the radio is turned on (see **Power On/Off**)
2. Press and hold the **Lock** button for three seconds.
 - The **Keypad Lock** icon will turn on and the display will briefly show LC when the keypad is locked.
3. Repeat steps 1 and 2 to “unlock” the keypad.
 - The **Keypad Lock** icon will turn off when the keypad is “unlocked”.

Using Monitor Mode

Monitor mode lets you check for activity on the current active channel. You can also use Monitor mode to adjust the volume of your radio when not receiving a signal.

To enter and exit Monitor mode:

1. Be sure the radio is turned on (see **Power On/Off**)
2. Be sure you have selected the desired channel (see **Selecting the Active Channel**)
3. Press and release the **Monitor** button to enter **Monitor** mode. (the display will show the icon if the radio channel is busy)
 - You will hear any activity on the current selected channel.
4. Turn the **Volume Knob** to increase or decrease the volume
5. Once the volume has been adjusted to the desired level, press and hold (3 seconds) the **Monitor** button to exit **Monitor** mode.

Scanning for Active Channels

Your MXMC01 includes an “auto-scan” mode that continuously scans all available channels for activity.

To enter and exit “auto-scan” mode:

1. Be sure the radio is turned on (see **Power On/Off**)
2. Press and release the **Scan** button to enter “auto-scan” mode
 - The **Scanning** icon will show on the LCD display when the radio is in “auto-scan” mode.

- Your radio will rapidly scan through the 15 available channels and will pause on any active channel.
 - “Auto-scan” will resume when there has been no activity on the current channel for four seconds.
3. To transmit during “auto scan,” press and hold the **PTT** button on the microphone while the radio is paused on the desired channel.
- The radio will remain on the active channel for three seconds after the **PTT** button is released.
4. To exit the “auto-scan” mode, press and release the Scan button.
- The **Scanning** icon will turn off when the radio is no longer in “auto-scan” mode

NOAA Weather Radio/Scan

Your MXMC01 has a NOAA Weather Radio function, to enable the user to receive weather reports from designated NOAA stations. Your radio also has a NOAA Weather Scan function, to enable the user to scan all 10 channels.

To enter and exit Weather Scan

1. Press and release the **WX** button to enter weather mode
 2. The radio will then scan all weather channels and will lock on to the strongest weather channel in your area (the active channel will continuously flash).
 3. Use the **Channel Up** or **Channel Down** on the microphone to force the radio to re-scan the weather channels while the radio is in scan mode
- Pressing the **Scan** button takes the radio out of scanning mode, locking in the active channel. Press and release the **Scan** button to reactivate weather scan.
4. Press the **WX** or **PTT** to exit Weather Mode.

To Manually Set the Weather Channel

1. With the **Weather Scan** activated, press the **Scan** button to exit scanning mode.
- The Weather icon and active channel will stop flashing and will continuously be displayed on the LCD.
2. Using the **Channel Up / Channel Down** buttons on the microphone, manually set the active weather channel.

To Enable Weather Alert

1. With Weather mode activated, press the **Scan** button to exit scanning mode.
2. Use the **Channel Up** or **Channel Down** on the microphone to select the desired Weather Channel
3. Press and hold the **WX** button to turn the Weather Alert on.
 - The weather icon will begin flashing
4. To return to GMRS mode, press and release the **WX** or **PTT** button.
 - When a Weather Alert goes off, the MXMC01 will sound a siren. Pressing any button on the microphone will take you to the assigned weather channel and you will be able to hear the weather alert. If the siren stops prior to you entering the weather mode, the mobile will automatically take you to weather mode.

MENU

1.0 PRIVACY

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** button to scroll through the menu options until **PRIVACY** is selected, then press the **Lock** button.
3. Use the **Channel Up** or **Channel Down** button to select the privacy tone type you would like to use.
4. Press the **Lock** button to confirm your selection.
5. Use the **Channel Up** or **Channel Down** button to scroll forward or backward through the available Privacy Codes until the desired Privacy Code is shown on the LCD display.

NOTE: *Selecting a Privacy Code of "off" will disable the Privacy feature.*

2.0 POWER

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** buttons to scroll the menu options until **POWER** is selected
3. Press the **Lock** button to confirm your selection.

4. Use the **Channel Up** or **Channel Down** button to toggle the transmit power setting between **HI** and **LO**.
5. When the desired transmit power level is shown on the LCD display, press the **Lock** button to confirm your selection.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE POWER LEVEL WILL NOT BE CHANGED.

Note: *Due to output power regulations channels 1 through 7 cannot be removed from the Lo transmit power setting.*

3.0 SQUELCH

1. Press the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** button to scroll through the menu options until **SQUELCH** is selected.
3. Press the **Lock** button to confirm your selection
4. Use the **Channel Up** or **Channel Down** button to scroll forward or backward to select the desired squelch level, from **0** to **09**.
 - The default squelch setting is 4, which generally provides reliable squelch operation for most applications.
5. When the desired squelch level is shown on the LCD display, press the **Lock** button to confirm your selection.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE SQUELCH SENSITIVITY WILL NOT BE CHANGED.

4.0 ROGER BEEP

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** buttons to scroll the menu options until **ROGER BEEP** is selected
3. Press the **Lock** button to confirm your selection.
4. Use the **Channel Up** or **Channel Down** button to change the setting between **ON** or **OFF**.
5. When the desired tone is shown on the LCD display, press the **Lock** button to confirm your selection.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE ROGER BEEP SETTING WILL NOT BE CHANGED.

5.0 CALL TONE

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** buttons to scroll the menu options until **CALL TONE** is selected
3. Press the **Lock** button to confirm your selection.
4. Use the **Channel Up** or **Channel Down** button to change the setting between **01, 02, 03, 04** and **05**.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE CALL TONE SETTING WILL NOT BE CHANGED.

6.0 KEY TONE

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** buttons to scroll the menu options until **KEY TONE** is selected
3. Press the **Lock** button to confirm your selection.
4. Use the **Channel Up** or **Channel Down** button to change the setting between **ON** or **OFF**.
5. When the desired tone is shown on the LCD display, press the **Lock** button to confirm your selection.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE KEY TONE SETTING WILL NOT BE CHANGED.

7.0 REPEATER

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** button to scroll through the menu options until **REPEATER** is selected.
3. Press the **Lock** button to confirm your selection.
4. Use the **Channel Up** or **Channel Down** button to select **ON** or **OFF**.
5. Press the **Lock** button to confirm your selection.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE REPEATER CHANNEL SELECTION WILL NOT BE CHANGED.

- When activated the repeater channels will be displayed as the channel number (Ex. 15,16,17,etc.) and the **RP** icon
- Repeater channels will appear immediately following the standard GMRS channels (ex: 20, 21, 22, 15rP, 16rP, 17rP, etc.).

8.0 BACK LIGHT

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** buttons to scroll the menu options until **BACK LIGHT** is selected
3. Press the **Lock** button to confirm your selection.
4. Use the **Channel Up** or **Channel Down** button to change the back light color option.
5. When the desired back light option is shown on the LCD display, press the **Lock** button to confirm your selection.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE BACK LIGHT COLOR WILL NOT BE CHANGED.

9.0 BAND MODE

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** buttons to scroll the menu options until **BAND MODE** is selected
3. Press the **Lock** button to confirm your selection.
4. Use the **Channel Up** or **Channel Down** button to toggle the band mode setting between **NARROW** and **WIDE**.
5. When the band mode is shown on the LCD display, press the **Lock** button to confirm your selection.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE BAND MODE SETTING WILL NOT BE CHANGED.

10.0 NOISE CANCEL

1. Press and release the **Menu** button to place the radio in "Menu" mode.
2. Use the **Channel Up** or **Channel Down** buttons to scroll the menu options until **NOISE CANCEL** is selected
3. Press the **Lock** button to confirm your selection.
4. Use the **Channel Up** or **Channel Down** button to toggle the noise cancel setting between **ON** and **OFF**.

5. When the noise cancel setting is shown on the LCD display, press the **Lock** button to confirm your selection.

YOU MUST PRESS THE **LOCK** BUTTON TO CONFIRM YOUR SELECTION OR THE NOISE CANCEL SETTING WILL NOT BE CHANGED.

Reset Function

To reset the radio ensure the power is turned OFF. Press and hold the **[PTT]+(WX)**, then turn on the radio, the LCD will display "rst+version", and the radio will return to default setting.

GMRS FREQUENCY CHART (MHz)

Ch. No.	Ch. Freq. (MHz)	Ch. No.	Ch. Freq. (MHz)
1	462.5625	15	462.550
2	462.5875	16	462.575
3	462.6125	17	462.600
4	462.6375	18	462.625
5	462.6625	19	462.650
6	462.6875	20	462.675
7	462.7125	21	462.700
CH 8-14 Restricted to Portable Use Only		22	462.725

GMRS REPEATER FREQUENCY CHART (MHz)

Ch. Number	TX Freq. (MHz)	RX Freq. MHz)
15RP	467.5500	462.5500
16RP	467.5750	462.5750
17RP	467.6000	462.6000
18RP	467.6250	462.6250
19RP	467.6500	462.6500
20RP	467.6750	462.6750
21RP	467.7000	462.7000
22RP	467.7250	462.7250

WX BAND CHANNELS

Channel Number	Frequency (MHz)
1	162.550
2	162.400
3	162.475
4	162.425
5	162.450
6	162.500
7	162.525
8	161.650
9	161.775
10	163.275

CTCSS PRIVACY CODE CHART

Code	Freq.	Code	Freq.	Code	Freq.	Code	Freq.	Code	Freq.
1	67.0	9	91.5	17	118.8	25	156.7	33	210.7
2	71.9	10	94.8	18	123.0	26	162.2	34	218.1
3	74.4	11	97.4	19	127.3	27	167.9	35	225.7
4	77.0	12	100.0	20	131.8	28	173.8	36	233.6
5	79.7	13	103.5	21	136.5	29	179.9	37	241.8
6	82.5	14	107.2	22	141.3	30	186.2	38	250.3
7	85.4	15	110.9	23	146.2	31	192.8		
8	88.5	16	114.8	24	151.4	32	203.5		

DCS PRIVACY CODE CHART

No.	Code	No.	Code	No.	Code	No.	Code
1	23	27	165	53	413	79	731
2	25	28	172	54	423	80	732
3	26	29	174	55	431	81	734
4	31	30	205	56	432	82	743
5	32	31	223	57	445	83	754
6	43	32	226	58	464	84	36
7	47	33	243	59	465	85	53
8	51	34	244	60	466	86	122
9	54	35	245	61	503	87	145
10	65	36	251	62	506	88	212
11	71	37	261	63	516	89	225
12	72	38	263	64	532	90	246
13	73	39	265	65	546	91	252
14	74	40	271	66	565	92	255
15	114	41	306	67	606	93	266
16	115	42	311	68	612	94	274
17	116	43	315	69	624	95	325
18	125	44	331	70	627	96	332
19	131	45	343	71	631	97	356
20	132	46	346	72	632	98	446
21	134	47	351	73	654	99	452
22	143	48	364	74	662	100	454
23	152	49	365	75	664	101	455
24	155	50	371	76	703	102	462
25	156	51	411	77	712	103	523
26	162	52	412	78	723	104	526

LIMITED WARRANTY

LIMITED WARRANTY (United States and Canada) Subject to the exclusions set forth below, Midland Radio Corporation will repair or replace, at its option without charge, any Midland MXMC01 Microphone which fails due to a defect in material or workmanship within 1 year following the initial consumer purchase.

This warranty does not apply to water damage, battery leak, abuse or misuse of unauthorized accessories, unauthorized service or modification or altered products. Accessories have a 90-day warranty from date of purchase, including the power cable and microphone that are included with the unit.

ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED AS SET FORTH HEREIN AND TO THE DURATION OF THE LIMITED WARRANTY, OTHERWISE THE REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MIDLAND BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE, GROSS NEGLIGENCE, BODILY INJURY, PROPERTY DAMAGE AND DEATH) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR ACCESSORY, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR ACCESSORIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

For Product Purchased in the USA: Performance of any obligation under this warranty may be obtained by returning the warranted product, prepaid freight, along with proof of purchase to:

Midland Radio Corporation Warranty Service Department
5900 Parretta Drive
Kansas City, MO 64120

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

NOTE: The above warranty applies only to merchandise purchased in the United States of America or any of the territories or possessions thereof, or from a U.S. Military exchange.

For Product Purchased in Canada:

Performance of any obligation under this warranty may be obtained by returning the warranted product, along with proof of purchase, to your place of purchase in Canada. This warranty gives you specified legal rights. Additional warranty rights may be provided by law in some areas within Canada

GENERAL NOTES

Features and specifications are subject to change without notice. Midland Radio Corporation is not responsible for unintentional errors or omissions on its packaging.



MIDLAND RADIO CORPORATION

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