

# Owner's Manual

## PMR 446 Handheld transceiver

### G5



### Featuring

- 8 Channels
- 38 CTCSS codes
- VOX/Babymonitoring
- Display illumination
- Scan function
- Roger Beep Tone

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**Accessories** - Accessories can be purchased at [www.alan-germany.com](http://www.alan-germany.com) or ask your dealer.

**AE740**



Over the ear Mic. Headsets with PTT

## Introduction

Congratulations on your purchase! MIDLAND G5 is a new generation PMR 446 transceiver which may be used, without license, in all the countries in which Pan-European PMR446 frequencies are authorised (446.00625 – 446.09375 MHz).

As of date of printing this manual in following countries your G5 may be used without license:

Austria, Belgium, Denmark, Germany, Finland, France, Greece, Hungary, Iceland, Ireland, Liechtenstein, Luxembourg, Netherlands, Norway, Portugal, Sweden, Switzerland, Spain, United Kingdom.

For Italian inhabitants a licence is requested while for travellers the use without licence is allowed for short time. Please ask the local authorities before using the radio, because only few countries apply already the european R&TTE directive.

You can download the latest versions any time from our server under

**<http://www.hobbyradio.de>**

This unit fully complies to the following European standards EN300 296-2, EN 301489-1 / -5 and EN 50 950.

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## Control

Display  
Illumination  
ON / OFF



- Talk on the Radio
- Send a Call Tone
- Save a setting



Scan for active  
Channels and  
keylock

Speaker

## LCD

## Buttons & Indicators



Turn On/Off the Radio  
- Enter/Exit the menu

Ext. Spk/Mic

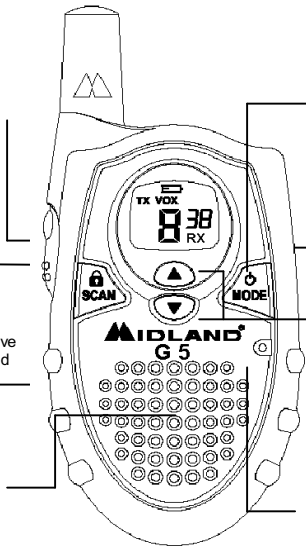


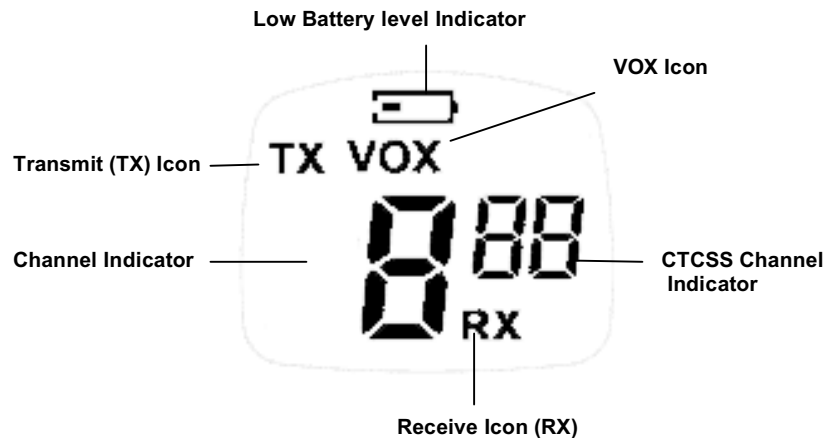
- Increase the volume
- Scroll through the menu



- Decrease the Volume
- Scroll through the menu

Microphone  
Display





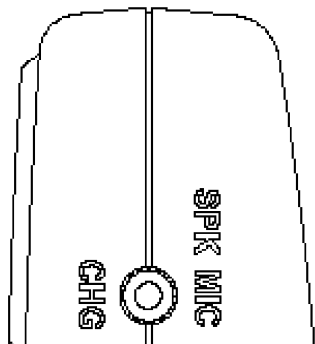
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**External Speaker/Microphone Jack :**



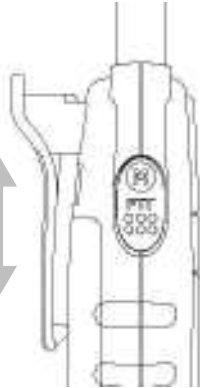
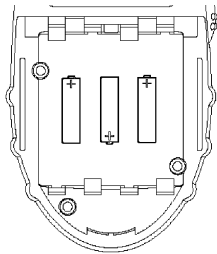
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Your G5 can be used with an optional external speaker/microphone or headset, for example AE740.



**Remove Battery Cover and Installing Batteries:**

1. Pull the latching tab outward, then gently slide the belt clip down toward the bottom of the radio.
2. With the back of the radio facing you, remove the Battery Cover by sliding it down from the unit.
3. Insert 3 1,5 V AAA batteries or rechargeable NiMH-batteries observing the polarity as shown.
4. Return the Battery Cover by sliding it up from the unit.





**Note:** It takes approximately 6 hours to charge partly discharged batteries. If they are at their lowest level it will take around 10 up to 14 hours to fully charge new batteries or fully discharged batteries.

### **Automatic energy saving circuit**

The radio transceiver has a built in POWER SAVER feature for maximum battery life. It switches automatically to power save mode during longer receiving periods without incoming signals.

### **Warning**

1. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (Ni-MH) batteries. Rechargeable batteries are most time partly discharged and must be fully charged min. one time.
2. Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

3. Never attempt to charge alkaline or other “normal” dry cell batteries. When recharging, use only approved and recommended rechargeable NiMH batteries and chargers. Use of the charger with other batteries can cause damage to your PMR unit. Other types of batteries may burst and cause personal injury.
4. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and will void the warranty.



### **Reception**

Simply release the PTT button. When you receive a signal, the RX icon is displayed on the LCD screen.



### **Transmit**

1. Do not transmit when You hear any activity on current channel. You may disturb a conversation between other parties.
2. Press and hold PTT button and speak in a normal voice into the microphone. The TX icon will appear continuously on the LCD Display when transmitting.
3. To receive messages, release the PTT button. The RX icon will appear on the display when your radio is receiving a transmission.


### Call Tone

Your G5 can transmit a call tone for a fixed length of time. To send a call tone, press the **PTT** twice rapidly. The **TX** icon will appear during transmitting a call tone and tone can be heard on the speaker for confirmation.




### Scan


Your G5 can scan all of the 8 channel to observe for any activity. To enter the scan mode, press the  button for one second. Press  button again to exit the scan mode.

Your radio will rapidly scan each of the 8 channels and stop on any active channel.

When you press the PTT button to transmit on an active channel, the scanning function will stop. To resume scanning Press and hold the  button for one second.

### Key Lock

You may lock the front panel keys against accidental use. To lock  and , press  key and hold it for about 5 seconds (You will hear a beep tone and Lc in the display. Monitor and PTT keys can still be used.

To disable the lock function later again, press  again for 5 sec, and hear the beep tone as confirmation.




### Backlit LCD

Your G5 comes with a backlit LCD Display to enable you to view the setting in a dark environment. The backlighting can be turned on/off by pressing the **L** button above the PTT. The backlighting will turn on for 5 seconds.



### Channel Selection

Your G5 has 8 channels available. To change channels:

1. Turn the radio on.
2. Press the  button until the current channel segment flashes.
3. Use the  button to select a higher channel.
4. Use the  button to select a lower channel.  
All channels will be shown in the display according your selection.
5. Press the PTT button to save the new channel and return to normal mode.











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## Use and Care

1. Use a soft damp cloth to clean the radio. Do not use alcohol or cleaning solutions to clean the radio.
2. Turn off the radio and remove the batteries during long-term storage.
3. Do not open the radio for any reason. The opening of the transceiver by un-authorized personnel will automatically invalidate the guarantee.



### Channel chart

<b>Channel</b>	<b>Frequency (MHZ)</b>
<b>1</b>	446.00625 MHz
<b>2</b>	446.01875 MHz
<b>3</b>	446.03125 MHz
<b>4</b>	446.04375 MHz
<b>5</b>	446.05625 MHz
<b>6</b>	446.06875 MHz
<b>7</b>	446.08125 MHz
<b>8</b>	446.09375 MHz

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### CTCSS-Subchannel-Chart

No.	FREQ (HZ)	No.	FREQ (HZ)	No.	FREQ (HZ)
01	67,0	14	107,2	27	167,9
02	71,9	15	110,9	28	173,8
03	74,4	16	114,8	29	179,9
04	77,0	17	118,8	30	186,2
05	79,7	18	123,0	31	192,8
06	82,5	19	127,3	32	203,5
07	85,4	20	131,8	33	210,7
08	88,5	21	136,5	34	218,1
09	91,5	22	141,3	35	225,7
10	94,8	23	146,2	36	233,6
11	97,4	24	151,4	37	241,8
12	100,0	25	156,7	38	250,3
13	103,5	26	162,2		



## European Warranty Note

If you should have purchased the radio in a country of the European Union, Your distributor will repair or replace, at its option without charge, any transceiver which fails due to a defect in material or workmanship within 2 years following the initial consumer purchase. This warranty does not apply to water damage, battery leak damage or abuse.

This warranty does not include any carrying cases, headsets or batteries, which may be a part of or included with the warranted product, or the cost of labor for removal or re-installation of the product in a vehicle or other mounting.

Performance of any obligation under this warranty may be obtained by returning the warranted product, freight prepaid, along with proof of purchase date to the distributor, where you have purchased the radio.

The distributor may also propose You to send the radio to a specialized repair center. This warranty gives you specific legal rights, and you may also have other rights, which vary in countries outside the EU.