



Owner's Manual

Model Number 75-822

Features Include:

- 40 CB Channels
- AM / FM Operation
- 10 Weather Channels
- 5 Memory Channels
- Memory Scan
- Dual/Watch
- Portable and Mobile CB (2-in1)
- HI/LOW Power
- Auto Power Save
- Instant Ch 9. and 19
- Backlit LCD

Attention:

This radio complies with IEEE and NCRP exposure limits for the general population, uncontrolled RF exposure environment at operating duty factors of up to 75% and is authorized by the FCC for general population/uncontrolled use only. In order to comply with RF exposure requirements, a minimum distance of 2.5 cm must be maintained when held-to-face, and body-worn operations are restricted to the approved original accessories (belt clip). Do not use this device when antenna shows obvious damage.

This product is compliance to FCC RF Exposure requirements. Refer to FCC website:

<https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm>

and search for FCC ID: MMA75822F to gain further information about SAR Values.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by Midland Radio Corporation could void the user's authority to operate the equipment.

Attention:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device is in compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with a minimum distance of 2.5 cm must be maintained when held-to-face, and body-worn operations are restricted to the approved original accessories (belt clip), a minimum distance of 0 cm.

Cet EUT est conforme au SAR pour la population générale/limites d'exposition non contrôlées dans IC RSS-102 et a été testé conformément aux méthodes et procédures de mesure spécifiées dans IEEE 1528 et CEI 62209. Cet équipement doit être installé et utilisé avec une distance minimale de 2,5 cm doivent être maintenus lorsqu'ils sont tenus face à face, et les opérations portées sur le corps sont limitées aux accessoires d'origine approuvés (clip de ceinture), une distance minimale de 0 cm.

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Introduction

75-822 is designed for 40 Channel Citizen Band operation, in a compact package that is big on performance. 75-822 is a quality piece of electronic equipment skillfully constructed with the finest components. The circuitry is all solid-state and mounted on a rugged printed circuit board. Your 75-822 is designed for reliable and trouble-free performance, either as a portable or mobile CB.

The 75-822 package includes the following:

1. CB Radio
2. AA Alkaline Battery Compartment
3. AA Rechargeable Battery Compartment
4. Antenna
5. Mobile Adapter
6. AC Wall Charger
7. Lanyard
8. Owner's Manual

Package Includes

AC Wall Adapter - Use to charge the rechargeable battery compartment	 A black AC wall adapter with a power cord and a charging cable.
Battery Compartment - Holds 6 AA alkaline Batteries batteries (not included)	 A black rectangular battery compartment with the Midland logo on the side.
Rechargeable Battery Compartment - Holds 8 AA rechargeable NiMH batteries (not included)	 A black rectangular rechargeable battery compartment with the Midland logo on the side.
Mobile Adapter - Used to for vehicular activities	 A black mobile adapter with a car cigarette lighter plug and a charging cable.
Antenna - For portable operation	 A long, thin black antenna with a mounting bracket at one end.

Installing the Batteries

Before you start using the radio, you must first install the batteries into the battery compartment. There are two battery compartments. The smaller compartment is for alkaline (non-rechargeable) AA batteries. The larger compartment with the power jack and charge indicator LED is for NiMH rechargeable AA cells.

1. Choose the compartment you want to use.
2. Grip both sides of the compartment and place thumbs on the top.
3. Pull apart sides of compartment.
4. Insert batteries, paying special attention to polarity. If they are placed in the compartment backwards, the unit will not work.
5. Snap the two sides of the compartment back together.
6. Slide battery compartment onto unit.
7. Turn unit on and begin use.

Quick Start - Portable Mode

1. Attach the antenna to the connector.
2. Attach either alkaline or rechargeable battery compartment.
3. Rotate the ON/OFF knob clockwise.
4. Use the channel selector buttons to select the desired channel.
5. Select AM or FM using the CB/WX button.
6. Press the push to talk button and start talking.

Your CB Radio should look like the image

Note: There is also a mobile adapter that can be used inside your vehicle. See next page.



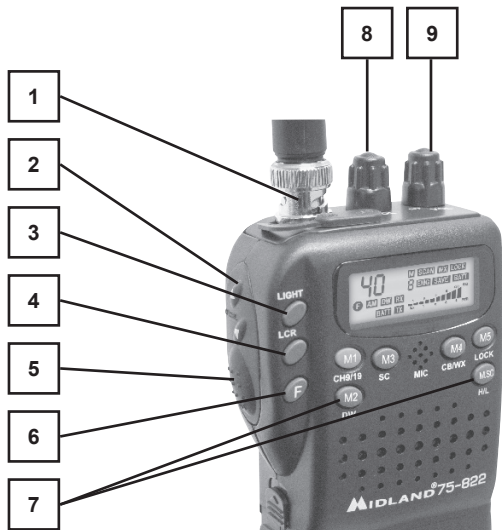
Quick Start - Mobile Mode

1. Slide the mobile adapter onto the CB Radio.
2. Plug your mobile adapter into your vehicle's cigarette lighter plug.
3. Connect an external antenna to the UHF connector on the mobile adaptor. (see note below).
4. Rotate the ON/OFF knob.
5. Use the channel selector buttons to select the desired channel.
6. Select AM or FM using the CB/WX button.
7. Press the push to talk button and start talking.
 - If the PTT is pressed for 180 seconds a beep will sound and the transmission will stop until the PTT is released.

Note: You may use the flexible rubber antenna with the vehicle adapter, however the range may be limited. To order a full size rooftop Antenna, model # 18-2442, go to www.midlandusa.com



Controls & Indicators



1. Antenna Connector
2. CH Up/Down buttons
3. Backlight Button
4. Last Channel Recall
5. "Push To Talk"
6. Function Button
7. Memory Channels
8. Squelch Control
9. On/Off Volume Knob

**Note: See pages 11-12
for details.**

Function and Controls

1. **Antenna Connector** - Attach the antenna provided for portable use.
2. **Squelch Control** - Adjust the squelch until background noise disappears to receive the MAX sensitivity.
3. **ON/OFF Knob** - Used to turn your radio ON/OFF and to control volume.
4. **Channel UP/Down Button** - To adjust channels in CB or weather mode.
5. **Backlight Button** - Press to turn LCD backlight "On" or "Off".
6. **Last Channel** - Press this button to recall the last channel used.
7. **Push To Talk** - Push and hold this button and talk into speaker to communicate with other CB users.
8. **Memory "M" Buttons** - There are 5 memory buttons. Each is categorized with the letter M and a number next to it. Each button has a function.
 - M1**- Functions as memory channel 1 and emergency channel 9/19. To switch between functions, just press and release button.
 - M2**- Functions as memory channel 2 and programmable **dual watch**. Dual Watch is used to quickly switch between two channels that are far apart.

To program the 2 dual watch channels, you must do the following. With the radio on:

1. Select the first channel. (i.e. Ch. 7)
2. Press and hold the DW button until you hear a beep.
3. Using the channel selector, select the second channel.
4. Press and hold the DW button until you hear it beep again.
5. On the LCD you will see the two channels that you have programmed flashing alternately.

M3-Functions as memory channel 3 and scan. To start scanning other channels, press the M3 button. To stop scanning, push the M3 button again.

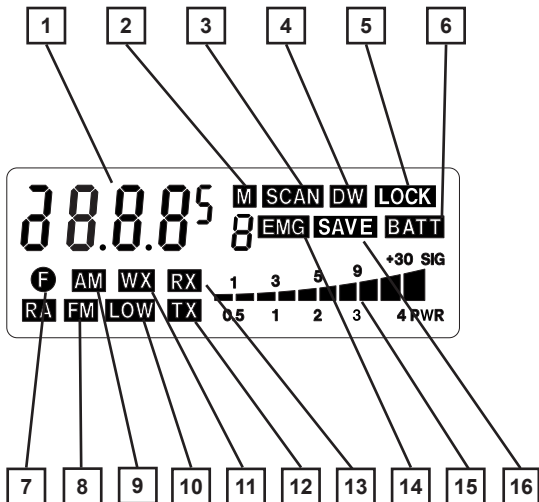
M4- Functions as memory channel 4 and the mode button. This button switches the radio between CB and weather radio mode.

M5- Functions as memory channel 5 and the lock button. To lock the radio just press the button until it beeps. To unlock the radio repeat the same procedure

9. Function “F” Button - The “F” button is used to program the memory channel for the M1-M5 buttons. To program a channel follow these steps:

1. Turn your radio on and make sure you are in CB Mode. (AM or FM)
2. Select the channel you want to program. (i.e. Channel 4)
3. Press the “F” button.
4. Press and hold one of the “M” buttons until you hear a beep. You have now programmed a channel into the memory.
5. To program other “M” buttons repeat this process.

LCD



Indicators

1. Channel Display
2. Memory CH Selection
3. Scan Function
4. Dual Watch
5. Lock Function
6. Battery Indicator
7. Function Button "On"
8. CB/FM Mode Indicator
9. CB/AM Mode Indicator
10. Low Power "On"
11. Weather Radio Indicator
12. Transmitting
13. Receiving
14. Emergency CH 9 "On"
15. Signal Strength Meter
16. Auto BATT Save

CB Specifications

Channels	1 through 40
Power Output	4 watts nominal
Modulation	90% +/- 5%
TX Dist	<5%
Spurious and Harmonics	<-60dbc
Receiver Sensitivity	.7 μ v for 10db s/n
Audio Output	450 mW
Selectivity	50 db

Weather Receiver Specifications

Channel	Frequency MHz
00	163.275
01	162.550
02	162.400
03	162.475
04	162.425
05	162.450
06	162.500
07	162.525
08	161.650
09	161.775

Sensitivity 0.7 μ V for 20db
Audio Power 450 mW
Audio Load 8 Ω

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 75-822 which fails due to a defect in material or workmanship within One 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 any charge cables, headsets, or batteries. This warranty does not include the cost of labor for removal or re-installation of the product in a vehicle or other mounting.

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.

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

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

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.

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.

SERVICE

If you have a problem with your unit, please first check the FAQ and support section on our website and review your owner's manual. If additional assistance is needed please contact Midland's support at support@midlandradio.com

CHANNELS / FREQUENCIES CHART

Channel	Frequency (megahertz - MHz)
1	26.965
2	26.975
3	26.985
4	27.005
5	27.015
6	27.025
7	27.035
8	27.055
9	27.065
10	27.075
11	27.085
12	27.105
13	27.115
14	27.125
15	27.135
16	27.155
17	27.165
18	27.175
19	27.185
20	27.205
21	27.215
22	27.225
23	27.255
24	27.235
25	27.245
26	27.265
27	27.275
28	27.285
29	27.295
30	27.305
31	27.315
32	27.325
33	27.335
34	27.345
35	27.355
36	27.365
37	27.375
38	27.385
39	27.395
40	27.405

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

We'd love to hear from you! Let us know what you think of your new Midland product on



or by visiting us at
midlandusa.com

MIDLAND RADIO CORPORATION
5900 Parretta Drive
Kansas City, MO 64120
support@midlandradio.com

Note: Features & Specifications are subject to change without notice. MIDLAND is not responsible for unintentional errors or omissions on its packaging.
