GMR2872-2CK/GMR2875-2CK

GMRS
2-way radios

eco terra
general mobile radio service
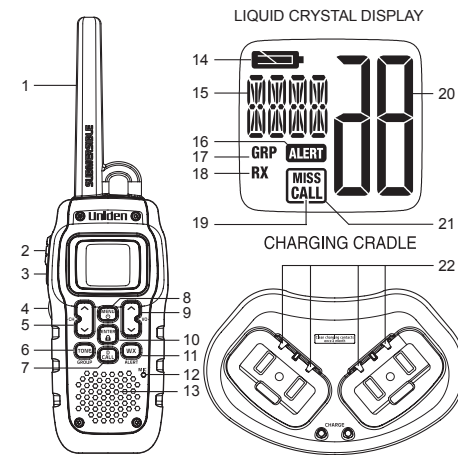
- 15 GMRS / 7 FRS Channels
- 142 Privacy Codes (CTCSS Tone and DCS Code)
- Up to 28 Mile Range*
- Submersible design
- Direct Call
- 143 Group Codes
- Silent Mode
- 10 Selectable Call/Ring Tone Alerts
- Backlit LCD Display
- Roger Beep
- Vibrate Reminder (GMR2875 Only)
- Power Boost Button for Maximum Range
- All Call
- Auto Channel Change Call
- Battery Charger
- Battery Level Meter
- Channel Monitor
- Channel Scan
- Group Scan
- Keypad Lock
- NOAA Emergency / Weather Channels
- Emergency Weather Alert

Range may vary depending on environmental and/or topographical conditions.

GMR2872-2CK/GMR2875-2CK RADIO

LIQUID CRYSTAL DISPLAY

CHARGING CRADLE

1   Antenna
2   PTT (Push-To-Talk) Button
3   Power Boost Button
4   Monitor Button
5   Channel Up/Down Key
6   Tone/Group Key
7   D-call Key
8   Menu/Power key
9   Volume Up/Down key
10 Enter/Lock Key
11 Weather/Alert Key
12 Microphone
13 Speaker
14 Battery Level Indicator
15 Sub Code Indicator
16 Alert Indicator
17 Group Indicator
18 Receive Indicator
19 Call Indicator
20 Channel Indicator
21 Missed Call Indicator
22 Charging Contacts

Congratulations on your purchase of the Uniden GMR2872-2CK/GMR2875-2CK (General Mobile Radio Service) waterproof radio. This lightweight, palm-sized, radio is a state-of-the-art device, equipped with many valuable features. Use it at sporting events, to stay in contact with family and friends, hiking, skiing, outdoors, or in a neighborhood watch for vital communication - even outside by the pool!

Your radio complies with JIS7 water-resistant standards, which means the radio can be submerged in 1.0 meters of water for 30 minutes without damage.

After your radio is submerged in water, you might notice that the sound is distorted. This is because there is still water remaining in and around the speaker and microphone. Just shake the radio to clear excess water, and the sound should return to normal.

Note: *If your radio is exposed to salt water, clean your radio thoroughly with fresh water, and dry it before turning it on.*

INSTALL THE BATTERY

Your radio uses a supplied NiMH battery pack.

To install the NiMH battery pack:

1) Make sure the radio is off.
2) Turn the screw holding the battery compartment counterclockwise with a screwdriver, and hold up the battery cover.
3) Put the NiMH battery pack in the battery compartment applying the battery contacts to the lower charge contacts. Be sure to follow the instructions written on the battery pack's label. Installing the battery pack incorrectly will prevent the unit from operating.
4) Before placing the battery cover back on the radio, check the rubber seal around the battery compartment and the ribbon of the battery pack : make sure that the seal is in good condition and that there is no foreign matter under the seal.
5) Replace the battery compartment door. Tighten the screws securely.

Note: *If the rubber seal appears warn, nicked, or dried out, replacement seals are available from www.uniden.com or call 1-800-554-3988 during business hours.*

PACKAGE CONTENTS

Your package contains two radios, two rechargeable NiMH battery packs (#BP38), one AC adapter (#AD-314), one charging cradle (#RC1282), two belt clips and this reference guide. You can operate the unit using the rechargeable NiMH battery pack.
To order the following optional accessories, visit our web site @www.uniden.com or call 1-800-554-3988 during business hours.
Use only Uniden accessories.
- NiMH Battery Pack - #BP38
- Charging Cradle - #RC1282
- AC Adapter - #AD-314

GMRS LICENSE

The radio operates on the General Mobile Radio Service (GMRS) frequencies when using Channels 1-7 and channels 15-22. You must have a GMRS license issued by the Federal Communications Commission to legally use these channels. For licensing information and application forms, visit the FCC online at: www.fcc.gov/wtb/uls or call the FCC hotline at 1-800-418-3676. If you have any questions, you can contact the FCC direct at 1-888-225-5322. No license is required for operation on channels 8-14 or operation on any Channel in Canada.

---

2) Set the charging cradle on the desk or tabletop, and place the radio in the charging cradle with the keypad facing forward.
3) Make sure that the LED illuminates. Charge the battery pack for 16 hours and remove the radio from the charging cradle after charging.

Note:
- *Charge time may vary depending on the battery life remaining.*
- *For fastest charging, turn off the radio before charging.*

Warning!:
- *The charging cradle is not waterproof. If the charging cradle falls into water, unplug it before attempting to remove it from the water. Allow the cradle to dry completely before reconnecting the power.*
- *Wipe off dirt or shake water from your radio before placing in the charging cradle if your radio is soiled or wet.*

USING THE RADIO

In order to get the most out of your new radio, read this reference guide completely before attempting to operate the unit.

Turning the Radio On and Adjusting the Volume
1) Press and hold the MENU/Power key to turn the radio ON.
2) To change the volume level, press the VO∧ or ∨ to increase or decrease the volume level then press ENTER/🔒.
3) Press and hold the MENU/Power key to turn the radio OFF.

Choosing a Channel
Your radio has 22 channels and 142 Privacy codes you can use to talk to others. In order to speak to someone, both your radios must be set to the same channel and Privacy code.

To choose a channel:

Press CH∧ or ∨ to increase or decrease the channel number displayed.

- To change the channel continuously, press CH∧ or ∨, then repeatedly press and hold CH∧ or ∨ for more than 1 second.

Note: *Channels 1-7 and 15-22 have a typical range of up to 28 miles by pressing the Power Boost. HI is displayed when you select a GMRS channel, and LO is displayed when you select a FRS channel.*

Using the Charging Cradle
1) Connect the adapter's plug to DC IN 9V jack of the charging cradle and plug the other end into an AC outlet.

USING THE RADIO BATTERY LEVEL AND LOW BATTERY ALERT

This radio has a battery level meter that indicates the status of the batteries. When the battery level is low, the battery level meter icon 🔋 flashes and then BATT appears after 30 seconds. Recharge the NiMH battery pack immediately.

Warning! *To avoid the risk of personal injury or property damage from fire or electrical shock, only use the Uniden accessories specifically designated for this product.*

CHARGING THE RADIO

Your radio includes charging cradle and rechargeable battery packs. Follow these instructions to recharge the radios in a charging cradle.
Make sure to turn the radio OFF before placing the radio in the charging cradle.

SETTING UP GROUP MODE

In order to use Group Mode you need to initialize a couple of settings in your radio:

- Set the radio to Group Mode
- Set a Group Code
- Set a Unit Number
- Set a "Nickname"

Setting the Radio to Group Mode
To set the radio to Group Mode, which enables Direct Call, Auto Channel Change and All Call, press and hold TONE/GROUP for 2 seconds. The radio displays GRP and group code.

Note: *In group mode, you cannot receive transmissions from other radios unless they are also set to the same channel and group code.*

Setting the Group Code
Set the group code for your radio group from 0-142. Everyone in your group must select the same group code in order to communicate with each other.

1) Tap TONE/GROUP in group mode. Press CH∧ or ∨ to select the group number.
2) Press ENTER/🔒 or TONE/GROUP to return to normal operation.

Setting the Unit Number
Each radio in your group needs to be set to a unique unit number, from 1-16.

1) Press MENU/Power key. Advance through the menu until UNIT appears, and then press ENTER/🔒. The current unit number flashes.
2) Press CH∧ or ∨ to select the desired unit number.
3) Press ENTER/🔒 to continue to the next section.

Setting Your Nickname
Your nickname appears on other units' displays when you make a All Call or direct call. This is also the name that appears on other radio displays when someone wants to make a direct call to you. When no nickname is set, the unit number appears.

1) Press MENU/Power key. Advance through the menu until UNIT appears, and then press ENTER/🔒. The current unit number flashes, then tap ENTER/🔒. The radio displays n - - - - (or your current nickname) with the first place in the nickname flashing.

---

2) Press CH∧ or ∨ to select the letter, then ENTER/🔒 to advance to the next letter until you have entered your nickname.
3) Press MENU/Power key to confirm the setting and exit the menu.

Using Group Mode
Group mode lets you make direct calls to other people in your group without alerting the entire group and also lets you quickly change everyone in your group to another channel from a single radio. Before using group mode, follow the instructions in "Setting Up Group Mode" on every radio in your group. Then, to record the unit ID and everyone's nickname in every radio, send a call to "All" from each radio one time (see "Sending a Direct Call").

Sending a Direct Call
Direct Call lets you call everyone in your group at once, or call a single person in your group without anyone else in the group knowing. It is like a "speed dial" directly to the person(s) you want to talk to.

To call everyone in your group, press D CALL in group mode. The radio flashes ALL. Then, press D CALL or ENTER/🔒. Everyone in your group receives a call "chirp" for about 3 seconds. When the chirp ends, begin your conversation.

Note: *When you make a direct call to "all," your radio also sends out your nickname or ID so that it will show up in the call list for everyone in your group.*

To call one person in your group, without having other people know, press D CALL in group mode. Then, use CH∧ or ∨ to select the person you want to call and press D CALL or ENTER/🔒. Your radio sounds tones for 3 seconds as it sends the call. When the selected person answers, you can begin your conversation. You can silence the call tones at any time by pressing PTT or Power boost.

Your conversation remains private between you and the person you called until 15 seconds after your last conversation. Then, your radio automatically exits private mode.

Automatically Changing Channels
Auto Channel Change lets you easily coordinate a channel change for everyone in your group. You might want to do this when you find you are getting a lot of interference on your current channel. Or, you can use this feature to change from a low-power channel (8-14) to one of the high-powered channels (1-7, 15-22) if you need more range (or to a low-power channel if you need longer battery life).

To start an auto channel change, on any radio in the group tap MENU/Power key. Advance through the menu until CHCX appears, then press ENTER/🔒. The current channel flashes. Use CH∧ or ∨ to select the target channel. You can check whether the selected channel is clear. Then press D CALL or ENTER/🔒.
Your radio chirps for about 10 seconds while it sends out the channel change signal. As each radio receives the channel change signal, it chirps once, then changes to the new channel.

To ensure all radios make it to the new channel, we recommend you:

- Make sure you are in an open environment, where the radio will get the best range.
- Optimize range during the channel change signal by raising the radio over your head to give the best possible height.
- Do a "roll call" on the new channel after the move to be sure no one was left behind. If you missed someone, return to the previous channel and issue the signal again.

USING THE RADIO IN STANDARD MODE

Use the radio in standard (not group) mode when you need to be able to communicate with radios that do not have the group feature.

Choosing a Privacy Code
You can select a Privacy Code from 1-142 for each channel. oFF (OFF) indicates no Privacy code selected and your radio can receive a signal regardless of the code settings of the transmitting radio.

1) Press TONE/GROUP. The Privacy code indicator flashes.
2) Press CH∧ or ∨ to increase or decrease the code. You can also select oFF.
3) Press ENTER/🔒 or TONE/GROUP to return to normal operation.

Note: *Only tones 1-38 are standard across radio brands. Other settings might differ from brand to brand. See the specifications for the specific tones used for each setting.*

Channel Scan Feature
Your radio has a channel scan feature that lets you easily scan all 22 channels. When an active channel is detected, the radio pauses on that channel until the channel is clear. Then after a 2-second delay, the radio resumes scanning. Pressing PTT or Power boost while the scan is paused on a channel lets you transmit on that channel.

To turn on channel scan:
Press MENU/Power key. The radio displays SCAN, and then press ENTER/🔒.The channel number changes as the radio rapidly cycles through the channels.

To turn off channel scan:

Press MENU/Power key, PTT, Power boost, D CALL or WX/ALERT.

Talking on Your Radio

To talk to others using the radio:

1) Press and hold PTT or Power boost and speak in a clear, normal voice about 2-3 inches away from the microphone. While you transmit, TXHI or TXLO appears on the display according to the type of channel. To avoid cutting off the first part of your transmission, pause slightly after pressing PTT or Power boost before you start talking.
2) When you finish speaking, release PTT or Power boost. You can now receive incoming calls. While receiving, RX appears on the display.

Note: *When you press Power boost, BOOS appear on the display. The radio transmits at maximum power when a GMRS channel is selected. If Power boost is continuously pressed, 1 minute after you start pressing Power boost the transmission stops and you hear a boost timeout error tone.*

Monitor Mode Feature
Your radio lets you listen for weak signals on the current channel at the press of a key.
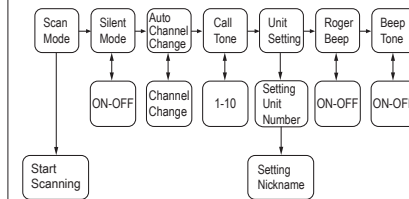
To turn on the Monitor Mode:

- For brief listening, press MON. MON appears and RX flashes.
- Press and hold MON for 2 seconds until two beeps sound for continuous listening. The receiver circuit stays open, so you hear both the noise and weak signals.

To turn off Monitor Mode:

Press MON to return to the previous mode. MON and RX disappear.

Navigating through the Normal Menu
To access the advanced features of your radio has a Menu function. In order to use Auto Channel Change, you need to set your radio to Group Mode.

Scan Mode   Silent Mode   Auto Channel Change   Call Tone   Unit Setting   Beep Tone

ON-OFF   Channel Change   1-10   Setting Unit Number   ON-OFF   ON-OFF

Start Scanning

Setting Nickname

1) To enter the menu, press MENU/Power key.
2) Additional presses of MENU/Power key advances you through the menu. After the last menu item, the radio exits to the previous mode.
3) Other ways to exit the Menu function are:
   a. Press PTT, Power boost, MON, D CALL, WX/ALERT or TONE/GROUP.
   b. Wait 10 seconds until the radio automatically returns to the previous mode.

Setting Silent Mode
When you turn on the silent mode, all incoming calls are muted: the radio flashes the display backlight, the channel indicator, SLNT and CALL to alert you to an incoming call. If you do not respond to the call within 15 seconds, the backlight turns off. The GMR2875 will also vibrate to remind you that you missed a call. Silent mode is disabled for 15 seconds when you transmit, receive, or press any other button.

To set the silent mode:

1) Enter the menu. Advance through the menu until the SLNT appears, then press ENTER/🔒. The current setting flashes.
2) Press CH∧ to display on, then press ENTER/🔒

Note: *To prevent unwanted silent alerts, be sure to use a Privacy code or group code whenever you use the Silent mode feature.*
You can hear the received voice when you turn on channel scan and an active channel is detected even during silent mode.

To turn OFF silent beep:
Press CH∨ to display oF, then press ENTER/🔒.

To turn ON silent beep:
Press CH∧ to display on, then press ENTER/🔒.

Adjusting the Sound (Beep Tone)
Your radio sounds a beep each time you press a key (except for PTT and Power boost).
To adjusting the sound, enter MENU/Power key. Advance through the menu until TONE appears, then press ENTER/🔒. The current setting flashes.

To turn OFF this beep:
Press CH∨ to display oF, then press ENTER/🔒.

To turn ON this beep:
Press CH∧ to display on, then press ENTER/🔒.

Key Lock
Press and hold the ENTER/🔒 until the LOCK appears.
To exit Keylock on mode, press and hold ENTER/🔒 again.

Transmitting a Call Tone
Your radio is equipped with 10 selectable call tones that are transmitted when you press D CALL in standard mode. The selected tone will be also heard when someone places a direct call to you.

To select a call tone:

1) Enter the menu. Advance through the menu until CALL appears, then press ENTER/🔒. The current call tone number (1-10) flashes.
2) Press CH∧ or ∨ to increase or decrease the number to the desired call tone. Each tone will be heard through the speaker.

To transmit the selected call tone, press D CALL. The selected tone is transmitted for a fixed length of time. Call Tone is cancelled if you press PTT or Power boost.

Roger Beep
Roger beep is a beep that is sent to notify the end of transmission. You can hear the roger beep can be heard through the speaker when both roger beep and Beep Tone are on. When roger beep is on and Beep Tone is off, you do not hear the roger beep, but it is transmitted to your party.

To adjusting the roger beep, enter MENU/Power key. Advance through the menu until RGR appears, then press ENTER/🔒. The current setting flashes.

To turn OFF roger beep:
Press CH∨ to display oF, then press ENTER/🔒.

To turn ON roger beep:
Press CH∧ to display on, then press ENTER/🔒.

Missed Call Alerts
If you receive an incoming call while silent mode is on and do not respond, the radio will turn on the Missed Call icon. If you are using the Group Mode, the radio will also indicate the person who made the call.

The GMR2875 will additionally remind you of a missed call by vibrating every minute after the call for 3 minutes.

Note:
- *While in keylock on mode, you can still use the radio to receive transmissions, use D CALL in Standard mode, VO∧ or ∨, PTT, Power boost, MON, and MENU/Power key to turn on or off the radio.*

- *The radio retains the keylock status even when you cycle power.*

Automatic Power Save Feature
Your radio has a unique circuit designed to dramatically extend the life of the batteries. If there is no transmission nor an incoming call within 3 seconds, your radio switches to the Power Save mode. The radio is still able to receive transmissions in this mode.

LCD Backlight
The LCD Backlight automatically turns on when any key (except for *PTT* and *Power boost*) is pressed. The LCD remains lit for 10 seconds before turning off.

USING THE WEATHER RADIO

Your radio can receive weather broadcasts from the NOAA National Weather Service. When in the Weather Radio Alert mode, the system functions as it does in standard mode but also monitors the selected weather channel for alerts when not communicating. While using the Weather Radio, you are not able to receive GMRS communications.

1) To turn on the Weather Radio Broadcast mode, press *WX/ALERT*. **WX** appears.
2) Press *CH* ∧ or ∨ to increase or decrease the number to the desired Weather Channel.
3) To exit the Weather Radio Broadcast mode, press *WX/ALERT*. **WX** disappears.

- When in the Weather Radio Broadcast mode, you can only set the Beep Tone from the Menu mode.

Choosing an Emergency/Weather Channel
There are 7 NOAA channel frequencies available and these frequencies are common between the US and Canada.You need to know what frequency is being transmitted in your location.

1) Press and hold *WX/ALERT*. 🔔 appears.
2) When the unit receives a warning signal, it beeps for 5 seconds. 🔔 and channel indicator flash.
3) To turn off Weather Alert, press and hold *WX/ALERT*. 🔔 disappears.

- When Weather Alert is activated, the highest priority is given to this function. It checks the weather alert signals every 7 seconds. When the unit finds a warning signal, it switches to the warning receive mode automatically.
- Weather Alert is activated even if Beep Tone is turned off.

NOAA Weather Radio Frequency List
Channel 1 162.550 MHz Channel 5 162.450 MHz
Channel 2 162.400 MHz Channel 6 162.500 MHz
Channel 3 162.475 MHz Channel 7 162.525 MHz
Channel 4 162.425 MHz

SPECIFICATIONS

Channels	15 GMRS/7 FRS/7 Weather
Sub Codes	38 Sub-Audible Tones
	104 DCS Codes
Operating Frequency	
GMRS/FRS:	462.5500 - 467.7125 MHz
WX:	162.4000 - 162.5500 MHz
Power Source	NiMH Battery Pack (BP38)
Range Channel	1-7 up to 18 miles
	(28 miles with Power boost button)
	Channel 8-14 up to 5 miles
	Channel 15-22 up to 18 miles
	(28 miles with Power boost button)
Battery Life	12 Hours typ. - NiMH Battery Pack (5/5/90 duty cycle)

Frequency Chart

Ch.	Freq. [MHz]	Cross Ref.	Ch.	Freq. [MHz]	Cross Ref.
1	462.5625	FRS & GMRS 1	12	467.6625	FRS 12
2	462.5875	FRS & GMRS 2	13	467.6875	FRS 13
3	462.6125	FRS & GMRS 3	14	467.7125	FRS 14
4	462.6375	FRS & GMRS 4	15	462.5500	GMRS 11
5	462.6625	FRS & GMRS 5	16	462.5750	GMRS 8
6	462.6875	FRS & GMRS 6	17	462.6000	GMRS 12
7	462.7125	FRS & GMRS 7	18	462.6250	GMRS 9
8	467.5625	FRS 8	19	462.6500	GMRS 13
9	467.5875	FRS 9	20	462.6750	GMRS 10
10	467.6125	FRS 10	21	462.7000	GMRS 14
11	467.6375	FRS 11	22	462.7250	GMRS 15

CTCSS Chart (Hz)

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

DCS Code List

Tone No.	Octal Code	Tone No.	Octal Code	Tone No.	Octal Code
39	023	74	251	109	631
40	025	75	261	110	632
41	026	76	263	111	654
42	031	77	265	112	662
43	032	78	271	113	664
44	043	79	306	114	703
45	047	80	311	115	712
46	051	81	315	116	723
47	054	82	331	117	731
48	065	83	343	118	732
49	071	84	346	119	734
50	072	85	351	120	743
51	073	86	364	121	754
52	074	87	365	122	036
53	114	88	371	123	053
54	115	89	411	124	122
55	116	90	412	125	145
56	125	91	413	126	212
57	131	92	423	127	225
58	132	93	431	128	246
59	134	94	432	129	252
60	143	95	445	130	255
61	152	96	464	131	266
62	155	97	465	132	274
63	156	98	466	133	325
64	162	99	503	134	332
65	165	100	506	135	356
66	172	101	516	136	446
67	174	102	532	137	452
68	205	103	546	138	454
69	223	104	565	139	455
70	226	105	606	140	462
71	243	106	612	141	523
72	244	107	624	142	526
73	245	108	627		