

# Uniden®

# PMR845-2CK

## Owner's Manual

### Features

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- 8 PMR Channels
- 38 CTCSS Codes
- Up to 8 km Range\*
- Internal VOX Circuitry
- 5 Selectable Call Tone Alerts
- Backlit LCD Display
- Headset Jack for Optional Headset
- Roger Beep
- Battery Charger
- Battery Level Meter
- Channel Monitor
- Channel Scan
- Keypad Lock

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

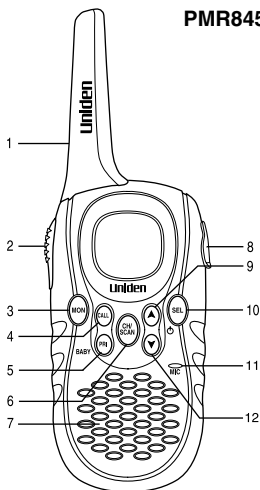
[www.RadioPics.com](http://www.RadioPics.com)

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## Control and Functions

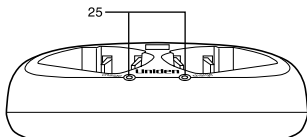
### PMR845-2CK RADIO



#### LCD DISPLAY



#### Recharging Cradle



- |   |                               |
|---|-------------------------------|
| 1 Antenna   | 13 Battery Level Meter        |
| 2 <b>PTT</b> (Push-To-Talk) Button                    | 14 Priority Channel Indicator |
| 3 <b>MON</b> (Monitor) Key                            | 15 Scan Indicator             |
| 4 <b>CALL</b> Key                                     | 16 Channel Indicator          |
| 5 <b>PRI/BABY</b> (Priority/Baby) Key                 | 17 Baby Monitor Indicator     |
| 6 <b>CH/SCAN</b> (Channel/Scan) Key                   | 18 Keypad Lock Indicator      |
| 7 Speaker   | 19 Call Indicator             |
| 8 Headset Jack (Headset is optional and not included) | 20 Transmit/Receive Indicator |
| 9 ▲ (Volume/Channel up) Key                           | 21 CTCSS Indicator            |
| 10 <b>SEL</b> / ⏻ (Select/Power) Key                  | 22 Volume Setting Indicator   |
| 11 Microphone   | 23 VOX Indicator              |
| 12 ▼ (Volume/Channel down) Key                        | 24 Volume Level Indicator     |
|   | 25 Charging LEDs              |

Any problems call our helpline on 0845 2265664 (local call rate)

Congratulations on your purchase of the Uniden PMR845-2CK (Private Mobile Radio) radio. This product is a lightweight, palm-sized radio. Use it at sporting events to stay in contact with family and friends, hiking, skiing, outdoors, or in a neighborhood watch for vital communication. This compact, state-of-the-art device is equipped with many features.

## **Package Contents**

Your package contains two PMR845-2CK radios, two rechargeable NiMH battery packs (#BT482), AC adapter (#AD654), Charging cradle (#CHG845), two belt clips (#CLP845) and this reference guide. You may operate the unit using the rechargeable NiMH battery pack or 4 AAA alkaline batteries (not included). The following optional accessories may be purchased from [www.withandwithoutwires.co.uk](http://www.withandwithoutwires.co.uk) or call 0870-2405522. **Use only Uniden accessories.**

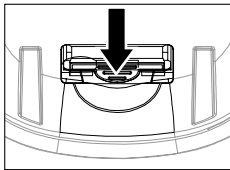
- NiMH Battery Pack - #BT482
- Charging Cradle - #CHG845
- Headset - #ZA130

## **Install the Battery**

Your PMR845-2CK radio uses the NiMH battery pack or 4 AAA alkaline batteries (not included).


To install the NiMH battery pack:

- 1) Make sure your radio is OFF.
- 2) Remove the battery compartment door by pressing the tab at the bottom of the compartment door, allowing the door to be removed.
- 3) Install the NiMH battery pack into the battery compartment. Be certain to follow the instruction written on the label on the battery pack. Installing the battery pack incorrectly will prevent the unit from operating.
- 4) Replace the battery compartment door.



Questions about the range of your product? Call our helpline on 0845 2265664 (local call rate)

## **Battery Level and Low Battery Alert**

This unit has a battery level meter on the display to indicate the status of the batteries. When the battery in the unit is low, the battery level meter icon  will flash. Recharge the NiMH battery pack immediately or if you are using the alkaline batteries, you must replace the alkaline batteries in order to continue using the radio.



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

## **Using the Charging Cradle**

If you use the rechargeable NiMH battery pack, two PMR845-2CK radios can be charged by using the charging cradle.

**Make sure to turn the radio OFF before placing the radio in the charging cradle. Otherwise the battery level meter icon won't indicate properly.**

- 1) Connect the AC adapter to DC IN 9V and to a standard electrical outlet.
- 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 charge.

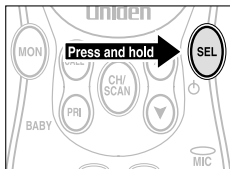
**Note:** The charge indicator LEDs will remain on as long as the radios are left in the charger.

## 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

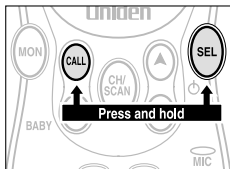
- 1) Press and hold the **SEL/** key to turn the radio ON, and increase the volume by pressing the **▲** key. To decrease the volume, press the **▼** key.
- 2) Press and hold the **SEL/** key again to turn the radio OFF.



### Adjusting the Sound (Key Beeps)

Your radio emits a beep each time one of the buttons or keys (except for the **PTT** button and **CALL** key) is pressed.

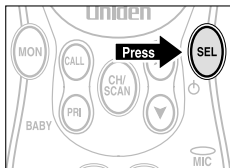
To turn this sound OFF, press and hold the **CALL** key while turning the radio ON. Repeat this step to turn the sound ON.



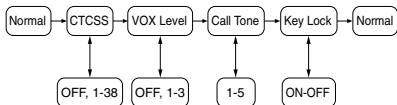
### Navigating through the Menu

To access the advanced features of the PMR845-2CK, your radio has a Menu function.

- 1) To enter the Menu, press the **SEL/** key.
- 2) Additional presses of the **SEL/** key will advance you through the Menu until exiting to "Normal" operating mode.
- 3) Other methods of exiting the Menu function are:



- Press and hold the **SEL/** key again.
- Press the **PTT** button, **MON**, **CALL** or **CH/SCAN** key.
- Wait 10 seconds until the unit automatically returns to "Normal" mode.

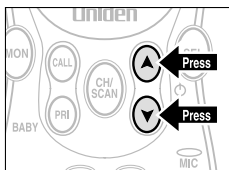
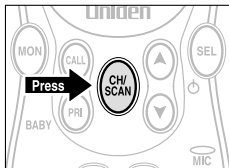


### Choosing a Channel

Your radio has 8 channels and 38 CTCSS codes you can use to talk to others. In order to speak to someone, each of you must set to the same channel and CTCSS code.

To choose a channel:

With the radio in "Normal" operating mode, press the **CH/SCAN** key and then press the **▲** or **▼** key to increase or decrease the channel number displayed.



### Choosing a CTCSS Code

Allocating CTCSS codes to your handsets will help to reduce interference but remember that handsets which have different CTCSS codes set will not be able to communicate with each other. Each of the channels 1-8 may have any one of the codes, OFF or 1-38 selected. Code **00** (OFF) indicates no CTCSS code selected and your radio can receive a signal regardless of the code settings of the transmitting radio.

- Enter the Menu. The CTCSS code on the LCD display will blink.

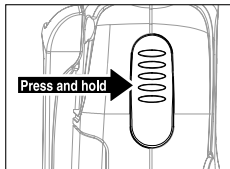
- 2) Press the ▲ or ▼ key to increase or decrease the code number displayed. You can also select **00** (OFF) at this stage.
- 3) Exit the Menu.



### **Talking on Your Radio**

To talk to others using the radio:

- 1) Press and hold the **PTT** button and speak in a clear, normal voice about 5-8 cms away from the microphone. While you are transmitting, the (📡) icon will appear on the display. To avoid cutting off the first part of your transmission, pause slightly after pressing the **PTT** button before you start talking.
- 2) When you have finished speaking, release the **PTT** button. You can now receive incoming calls. While receiving, the 📡 icon will appear on the display.



### **Voice Operated Transmission**

Your PMR845-2CK radio is equipped with a user selectable Voice Operated Transmitter (VOX) that can be used for automatic voice transmissions. The VOX feature is designed for handsfree purpose. Transmission is initiated by speaking into the microphone of radio or headset (headset is not included) instead of pushing the **PTT** button.

To select the VOX level:

- 1) Enter the Menu. Advance through the Menu until the **VOX** icon blinks on the display. The current level (OFF, 1-3) will also blink. Level **0F** (OFF)



disables VOX, while levels  $\{-\equiv\}$  set the sensitivity of the VOX circuit.

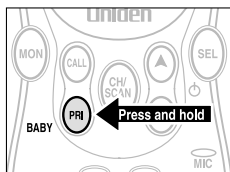
- 2) Press either the  $\blacktriangle$  or  $\blacktriangledown$  key to the desired VOX sensitivity level. Use level 1 for increased sensitivity to voice in normally quiet environments, and use a higher level to reduce undesired activation in very noisy environments.
- 3) Exit the Menu.

### Baby Monitor Feature

You can use one of your PMR845-2CK radios as a Baby Monitor and use the other radio to listen in and keep a check on the noise levels in the baby's room. When you set the Baby Monitor feature, the monitoring radio will detect voices/noises (according to the sensitivity level you set) and transmit back to the listening radio without pushing the **PTT** button. The monitoring radio is not able to receive transmissions in this mode.

To turn the Baby Monitor ON:

- 1) Press and hold the **PRI/BABY** key for 2 seconds. The **BABY** icon will blink. The current level ( $\{-\equiv\}$ ) will also blink on the display.
- 2) Press either the  $\blacktriangle$  or  $\blacktriangledown$  key to the desired Baby Monitor sensitivity level. Use level 1 for increased sensitivity to voice in normally quiet environments, and use a higher level to reduce undesired activation in very noisy environments.
- 3) To confirm the setting, press the **SEL/** $\odot$  key.




To turn the Baby Monitor OFF:

Press and hold the **PRI/BABY** key for 2 seconds. Or turn the radio OFF and then ON again.

## Transmitting a Call Tone

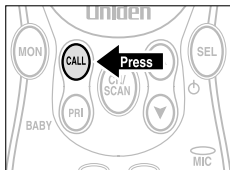
Your PMR845-2CK radio is equipped with 5 selectable call tones that will be transmitted when the **CALL** key is pressed.

To select a call tone:

- 1) Enter the Menu. Advance through the Menu until the **CALL** icon blinks on the display. The current call tone number (  ) will also blink.
- 2) Press the **▲** or **▼** key to increase or decrease the number to the desired call tone. Each tone will be heard through the speaker.
- 3) Exit the Menu.



To transmit the selected call tone, press the **CALL** key. The selected tone will automatically be transmitted for a fixed length of time. Call Tone will be cancelled when the **PTT** button is pressed.

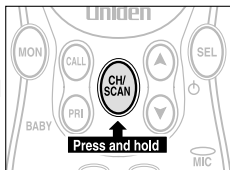


## Channel Scan Feature

Your PMR845-2CK radio has a channel scan feature that allows you to easily scan all 8 channels. When an active channel is detected, the radio will pause on that channel until the channel is clear. Then after a 2 second pause, the radio will continue scanning. Pressing the **PTT** button while the scan is paused on a channel will allow you to transmit on that channel.

To turn the channel scan ON:

Press and hold the **CH/SCAN** key until the **SCAN** icon is displayed. The channel number on the display will change as the radio rapidly cycles through the channels.



Questions about the range of your product? Call our helpline on 0845 2265664 (local call rate)

To turn the channel scan OFF:

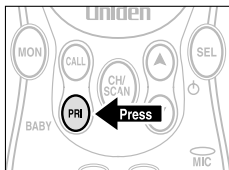
Press the **SEL/☐**, **CALL** key, **PTT** button, or press and hold the **CH/SCAN** key for 2 seconds.

### Priority Channel Scan Feature

Your PMR845-2CK radio has a priority channel scan feature that allows you to scan between current channel and priority channel. When an active channel is detected, the radio will pause on that channel until the channel is clear. Then after a 3 second pause, the radio will continue scanning. Pressing the **PTT** button while the scan is paused on a channel will allow you to transmit on that channel.

To select the priority channel:

- 1) Press the **PRI/BABY** key. The **PRI** icon and the priority channel will blink.
- 2) Press the ▲ or ▼ key to increase or decrease the priority channel number displayed.
- 3) Press the **SEL/☐** key. Then the CTCSS code of priority channel will blink.
- 4) Press the ▲ or ▼ key to increase or decrease the code number displayed.
- 5) To start the priority channel scan, press the **SEL/☐** key.




To exit the priority channel scan:

Press the **PRI/BABY** key.

## Key Lock

To Lock the keypad:

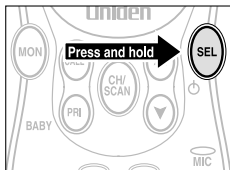
- 1) Enter the Menu. Advance through the Menu until the  icon blinks on the display. The current Key Lock status **oF** (OFF) blinks on the display.
- 2) To switch the Key Lock from **oF** (OFF) to on, press the **▲** key.
- 3) To confirm the setting, press the **SEL/⏻** key. The radio returns to the "Normal" mode.



**Note:** If you exit the setting mode before confirming your selection by pressing the **SEL/⏻** key, the Key Lock setting will be set to **oF** (OFF).

To Unlock the keypad:

- 1) Press and hold the **SEL/⏻** key to turn the radio OFF.
- 2) Press and hold the **SEL/⏻** key again to turn the radio ON. The keypad is unlocked.



## Automatic Power Save Feature

Your PMR845-2CK 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

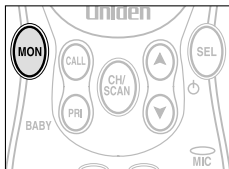
The LCD Backlight will automatically turn ON when any key (except the **PTT** button) is pressed. The LCD display will illuminate for 10 seconds after the last key press.

## Monitor Mode Feature


Your PMR845-2CK radio allows you to listen for weak signals on the current channel at the press of a key.

To turn the Monitor Mode ON:

- Press the **MON** key for brief listening, the  icon will blink.
- Press and hold the **MON** key for 2 seconds for continuous listening. The  icon will continue to blink. The receiver circuit will stay open, and letting in both the noise and weak signals.




To turn the Monitor Mode OFF:

Press the **MON** key to return to "Normal" mode, and the  icon stops blinking.


## Roger Beep

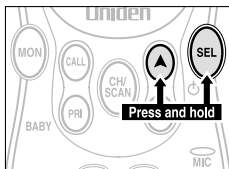
Roger Beep is a BEEP that is sent to notify the end of transmission (PTT and VOX transmission). Roger Beep can be heard through the speaker when Key Beep is on. Roger Beep is transmitted even if Key Beep is turned off. However, Roger Beep will not be heard from the speaker.

To turn Roger Beep ON:

Press and hold the  key while turning the radio ON.

To turn Roger Beep OFF:

Press and hold the  key while turning the radio ON.



## Specifications

Channels	8 PMR
CTCSS Codes	38 Sub-Audible Tones
Operating Frequency	446.00625 - 446.09375 MHz
Power Source	NiMH Battery Pack (#BT482) or 4 AAA Alkaline Batteries (not included)
Range	up to 8 km
Battery Life	20 Hours typ. - Alkaline Batteries (5/5/90 duty cycle) 14 Hours typ. - NiMH Battery Pack

### Frequency Chart (MHz)

Ch.	Freq.	Ch.	Freq.
1	446.00625	5	446.05625
2	446.01875	6	446.06875
3	446.03125	7	446.08125
4	446.04375	8	446.09375

### CTCSS Chart (Hz)

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

# Declaration of Conformity

This declaration is the responsibility of the manufacture/importer.

Uniden Corporation  
2-12-7Hachobori, Chuo-ku,  
Tokyo, 104-8512  
Japan

This certifies the following designed products.  
PRIVATE MOBILE RADIO : PMR845-2CK

Complies with the essential protection requirements of R & TTE Directive 1999/5/EC on the approximation of the laws of the Member States relating to Radio Spectrum Matters, EMC and Electrical Safety. This declaration applies to all specimens manufactured in accordance with the attached technical documentation described in Annex II of the Directive which forms part of this declaration. Assessment of compliance of the product with the requirements relating to the essential requirements according to Article 3 R & TTE was based on Annex IV of Directive 1999/5/EC and the following standards.

Radio Spectrum:	EN 300 296-2 v.1.1.1 (Identification of regulations/standards)
EMC:	EN 300489-1/05 v.1.3.1 (Identification of regulations/standards)
Electrical Safety:	EN 60950: 2000 (Identification of regulations/standards)

## Warranty & Customer Service

This product has a warranty of 12 months and is therefore guaranteed to be free from defects in materials and workmanship during that period. If you experience a problem simply call our Helpline on 0845 2265664 (local call rate). If your problem cannot be solved by our Helpline, you will need to return your product to the place it was purchased. Remember to take your receipt as proof of purchase as it must be produced before the warranty can be honored. The product must have been used only for the intended purpose and not be subjected to wilful or accidental damage. This warranty does not cover damage caused by excessive voltage or lightning. If the product has been tampered with in any way, the warranty shall be considered null and void. This guarantee does not affect your statutory rights.



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