Uniden
Japan

PMR1210-2 User's Guide

Private mobile radio with twin charger

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www.ustel.com.hk

Model: PMR1210-2
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Printed in China

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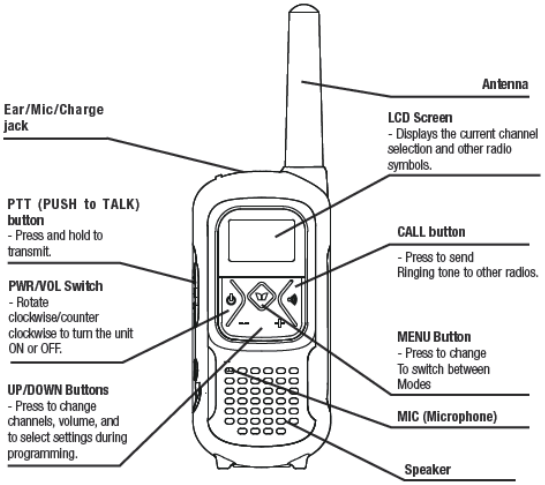
PLEASE READ BEFORE USE



1. LCD Screen

8	Channel number. Changes from 1 to 8 as selected by the user.
88	CTCSS code changes from 1 to 38 DCS code changes from 1 to 83.
	Displays the Battery change level. When the bars are reduced, the battery needs recharging.

TX	Displayed when transmitting a signal.
RX	Displayed when receiving a signal.
DCM	Displayed when the Dual Watch function turned ON.
DCS	Displayed when the Digital Code System turned On.
VOX	Displayed when the VOX feature enabled.
SCAN	Displays when the PMR scanning all channels.
	Displayed when the Key Lock feature activated.
	Displayed the current Speaker volume level.
	Displayed when the call signal is ON.
	Displayed when the vibrator function activated.

2. Installation

2.1 Removing the Belt clip

a. Pull the belt clip latch Forward (away from the unit).
b. While pulling the belt clip latch, push up the belt clip as shown in Figure1.

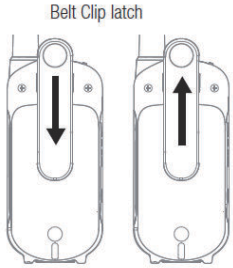


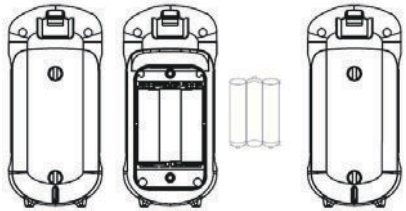
Figure 1 Figure 2

2.2 Installing the Belt clip

a. Slide the belt clip into the slot as shown in Figure 2. A “click” indicates the belt clip is locked into its position.

2.3 Installing the Battery pack

Figure 3 Figure 4



Caution: Observe the proper battery polarity orientation when installing batteries. Incorrect positioning can damage both the batteries and the unit.

a. Unlock two screws, remove the battery compartment cover.
b. Install the rechargeable batteries model CEL 1.2VDC, AA600mAh by following the orientation as shown in Figure 3.
c. Replace the battery compartment cover and lock the screw
d. See figure 4.

Important

Read these Safety Warnings before you charge the batteries.
When placing your PMR1210-2 in the charger, use only the power supplies listed in the user instructions.
Don’t try to recharge non-rechargeable batteries.
Make sure the battery compartment cover is securely locked in place when you are charging the batteries.
Dispose of used batteries safely and in a way that will not harm the environment – never try to burn them or put them anywhere, they could get burnt or punctured.
Don’t leave dead batteries in your PMR1210-2 units.
They might leak if you do.
Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions.

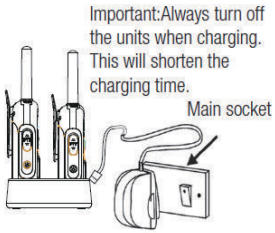
2.4 Charging the battery batteries

a. Insert the USB plug from end of the mains adaptor into the power-in connection jack at the back of the desktop charger.
b. Plug the mains adaptor 230V AC, 50Hz main socket with the switch on the socket set to Off.
c. Switch On the main socket.

The PMR1210-2 must be charged using adaptor provided model TGE050P055 or TEE050P040. Using any other adaptor will result in non-compliance with EN60950-1 and will invalidate any approvals & warranty.

d. Place your PMR1210-2 units in the charge cradle in an upright position. The charge LED indicators will light up.

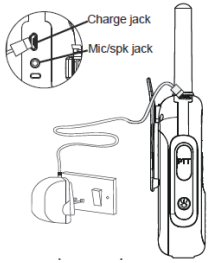
e. It takes about 10 hours to fully recharge the batteries if they are completely run down. **New batteries take up to 14 hours to fully charge.**



f. Charging the battery batteries (using adaptor)
Lift the charge socket cover located on the top of the handset.

Insert the USB plug connector of the 5.0V DC/550mA adaptor into the charge jack.

Plug the mains adaptor into a 230V AC, 50Hz main socket with the switch on the socket set to Off. Use only the power supplies listed in the user instruction.
Then switch ON the main socket.



Battery meter
The battery meter is located in the left corner of the LCD screen. It appears like a battery with three bars inside. These indicate the amount of power available. When the battery level reaches it minimum level in PMR on mode, unit will emit two beep tones and automatically will power off the unit.

The PMR1210-2 can detect the battery charge in 4 levels;

Battery charge at high level.

Battery charge at medium level.

Battery charge at low level. At this level, the PMR1210-2 will emit a "beep" sound for every 10 seconds in normal mode.
Important: Charge the unit for 10-14 hours.

Battery charge at very low level. When the battery level reach it minimum level, unit will emit two beep tone and the unit will automatically turn off.

Important: Charge the unit for 10-14 hours.

CAUTION : Risk of explosion if battery is replaced by an incorrect type. Disposed of used batteries according to the instructions.

Battery life
Your PMR1210-2 has a built in power saver to make the batteries last longer. But when you are not using the unit, turn them Off to conserve battery power.

3. Operation

3.1 Transmitting range
The talk range depends on the environmental and terrain. It will be reach (up to about 8km) in wide open spaces, without obstructions such as hills or buildings. Don't try to use two PMR units which are less than 1.5m (5 feet) apart. Otherwise, you may have experience interference.

Important safety warning
To reduce radio frequency exposure when you are using your PMR1210-2, hold the unit at least 5cm (2 inches) away from your face.
Never use your PMR1210-2 outdoors during a thunderstorm.
Don't use the PMR1210-2 in the rain.
If your PMR1210-2 gets wet, turn it off and remove he battery. Dry the battery compartment and leave the cover off for a few hours. Don't use the unit until it is completely dry.
Keep the PMR1210-2 out of reach babies and young children.

3.2 Turning the Unit ON/OFF

To Turn ON;
a. Press and hold On/Off button until the LCD screen turns ON and display the current channel.
To switch OFF;
b. Press and hold On/Off button until the LCD screen turns blank.

3.3 Changing Channels
Your PMR1210-2 has 8 available channels, to communicate with other unit, you must have to tune in to the same channel.

a. Press **MENU** button once, the current channel number flashes on the LCD screen.
b. Press **UP** or **DOWN** button to select the desired channel. The channel changes from 1 to 8, or vice versa.
c. Press **PTT** button to confirm the setting.

Note: Refer to the "Channel Table" section of this Owner's Manual for detailed frequency listing.

3.3.1 Setting the CTCSS sub-channel
Each channel also has 38 sub-channels to let you set up group of users within the same channel for more private communication. If you have set the sub-channel, you can only communicate with other PMR users that tuned to the same channel and sub-channel.

To turn the sub-channel function off, simply set the sub- channel to 0 (zero). You can communicate with any units set to the same channel who also turns off the sub-channel operation (or whose have unit does not have this feature).

a.Press **MENU** button twice, the current CTCSS sub-channel number flashes on the LCD screen.
b.Press **UP** or **DOWN** button to select one of the 38 CTCSS sub-channels.
c.Press **PTT** button to confirm the CTCSS setting.

3.3.2 SETTING THE DCS Advance Digital Code.
Each channel also has 83 digital codes to let you set up group of users for more secured private communication.

a. Press **MENU** button 3 times. DCS code is blinking on the LCD screen.
b. Press **UP** or **DOWN** button to select the desired DCS code.
c. Press **PTT** button to confirm the DCS channel setting.

Transmitting and Receiving

- Your PMR1210-2 transmission is “one way-at-a-time.” While you are speaking, you can not receive a transmission.
- Your PMR1210-2 is an open-license band. Always identify yourself when transmitting on the same channel.

3.4 Transmitting (sending a speech)

The unit is continuously in the Receive mode when the unit is turned On and not transmitting. When a signal is received on the current channel, “**RX**” icon will be displayed on the LCD screen.

3.5 Transmitting (sending a speech)

a. Press and hold **PTT** (push to talk) button to transmit your voice. “**TX**’ icon will be displayed on the LCD screen.
b. Hold the unit in a vertical position with the MIC (Microphone) 5 cm away from the mouth. While holding the **PTT** button, speak into the **MIC** (microphone) in a normal tone of voice.
c. Release **PTT** button when you have finished transmitting.

3.6 Monitor

You can use the Monitor feature to check for weak signals on the current channel.

a. Press **MENU and UP** button at the same time. “**RX**” icon will be displayed on the LCD screen. Your PMR1210 will pick up signals on the current channel, including background noise.
b. Press the **MENU** button again to stop the channel monitoring.

3.7 Setting the VOX (Voice Activated) Sensitivity

In VOX mode, your PMR1210-2 will transmit a signal only when it is activated by your voice or other sounds around you. The unit will transmit further for 2 seconds even if you stop talking.

The level of VOX sensitivity is shown by a number on the LCD screen. At the highest level, the units will pickup softer noise (including background noise); at the lowest level, it will pick up only quite loud noise.

a. Press the **MEN**U button 4 times, “**VOX**” icon will be displayed and “OFF” flashes on the LCD screen.
b. Press **UP** button to set the VOX sensitivity into maximum level (the maximum level is “*3*”.) To deactivate the VOX function, press the **DOWN** button until “OFF” appears on the LCD screen.
c. Press **PTT** button to confirm your setting. “**VOX**” will steady appeared on the LCD screen as long as the VOX feature is activated.

VOX operation is not recommended if PMR1210 will be used in a noisy or windy environment.

3.8 Activating the Auto Channel Scan

Channel scan perform searches for active signals in an endless loop for all 8 channels, 38 CTCSS codes and all 83 DCS codes.

a. Press **MENU** button 5 times, **“SCAN”** icon will display on LCD screen.
b. Press **UP** or **DOWN** button to begin scanning channels when an active signal is detected, channel scan paused on the active channel.
c. Press **MENU** button six times, CTCSS flashes on the LCD screen press **UP** or **DOWN** button to begin scanning the CTCSS from 1-38.
d. Press **MENU** button seven times, DCS flashes on the LCD screen. Press **UP** or **DOWN** button to begin scanning DCS code 1-83.
e. Press **PTT** button to confirm your setting.

3.9 Vibrator and Call alert

Your PMR1210-2 can alert you to incoming signal by emitting an audible call tone and vibration signal.

4 Call-Ring tone

You can send a Call-ring tone to other PMR users to give an alert that you want to communicate with them.

Press the CALL button

You will hear a ring tone for about two seconds; “**TX**” icon appears on the LCD screen. Any other units within the transmitting range and tuned to the same channel and sub-channel (if applicable) will hear the Call-ring tone.

4.1 Selecting a Call- Ring tone

Your PMR1210 is equipped with 15 different types of Call ring tones.

a. Press **MENU** button 8 times, the “C01” icon will display on the LCD screen.
b. Press **UP** or **DOWN** button to select the desired call ring tone. A respective call ring tone sound will be played when changing from one tone to another.
c. Press **PTT** button to confirm your setting.

4.2 Activating the Vibrator mode

a. Press **MENU** button 9 times; “1” flashes on the LCD screen.
b. Press **UP** or **DOWN** button to activate the vibrator function.
c. Press **PTT** button to confirm your setting.

Note: Vibrator and Call tone can be activated at the same.

4.3 Setting the Roger Beep

The Roger beep is a tone which is automatically transmitted whenever the PTT button is released. This alerts the receiving party to inform that you have intentionally ended the transmission, and you are now in receive mode.

a. Press **MENU** button 10 times, the “ON” icon is blinking on the LCD screen.
b. Press **UP** or **DOWN** button to select the Roger beep On/Off.
c. Press **PTT** button to confirm your setting.

4.4 Setting the Key Tone ON or OFF

This feature allows your PMR1210-2 to emit a confirmation tone after pressing each button.

a. Press **MENU** button 11 times, the “ON” icon is blinking on the LCD screen.
b. Press **UP** or **DOWN** button to select the Key tone On/Off.
c. Press **PTT** button to confirm your setting.

4.5 Setting the Dual Watch Mode

Your PMR1210-2 is capable of monitoring two channels, the current and another (dual watch) channel. If the unit detects a signal on either channel, it will stop and receive the signal.

a. Press **MENU** button 12 times, "**DCM**" icon will be displayed while "OFF" flashes on the LCD screen.
b. Press **UP** or **DOWN** button to select the Dual Watch channel (1-8, except the current channel).
c. Continue pressing the **MENU** button to change the CTCSS code.
d. Press **UP** or **DOWN** button to select the desire CTCSS code (1-38)
e. Continue pressing the **MENU** button to change the DCS code.
f. Press **UP** or **DOWN** button to select the desired DCS code (1-83)
g. Press **PTT** button to confirm your setting.

5 Auxiliary Features

5.1 Key Lock

The Key Lock feature allows user to disable the **UP**, **DOWN** and **MENU** buttons so that PMR1210 settings could not be changed accidentally.

a. To activate the Key Lock feature, press and hold the **MENU** button until key lock "🔑" icon appears on the LCD screen.
b. To deactivate the key Lock feature, press and hold the **MENU** button until key lock "🔑" icon disappears on the LCD screen.

Note: The **PTT,** and **CALL** buttons will remain functional even if the Key Lock feature is activated.

5.2 LCD Screen back light

Every time you press **MENU**, **UP**, **DOWN** button (except PTT and CALL button), the LCD screen back light will illuminate for 5 seconds.

5.3 Microphone/Earphone/Charge Jack

Your PMR1210-2 is equipped with an auxiliary microphone, earphone, and charge jack located at the top side of the handset.

5.4 Torch and SOS function

Press and release the Light button on the left side of the handset. The LED will light at the bottom of the unit. While LED is On, press and hold The Light button to activate the SOS function. To turn Off, press and release the Light button.

6. Specifications

Channels Available	8 Channels
CTCSS Sub-channel	38 for each Channel
Output Power (TX)	0.5 W
Range	Up to 8 Km.

Channel Frequency Table

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

7. Safety

⚠ CAUTION

Damaged Antenna

Do not use your PMR1210-2 that has a damaged antenna. If a damaged antenna comes in contact with the skin, a minor burn may result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

⚠ WARNING

For Vehicles with an Air Bag

Do not place your PMR1210-2 in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a handset is placed in the air bag deployment area and the air bag inflates, the handset may be propelled with great force and cause serious injury to the occupants of the vehicle.

Potentially Explosive Atmospheres

Turn your PMR1210-2 Off when in any area with a potentially explosive atmosphere, unless it is a type especially qualified for such use (for example, Factory Mutual Approved). Sparks in such areas could cause an explosion or fire resulting in injury or even death.

Batteries

Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn your PMR1210-2 Off near electrical blasting caps or in a "blasting area" or in areas posted: "Turn off the two way radio." Obey all signs and instructions.

NOTE: *Areas with potentially explosive atmospheres are often, but not always clearly marked. They include fueling areas such as below deck on boats; fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.*

8. Cleaning and Care

To clean your PMR1210-2, use a soft cloth dampened with water. Do not use cleaners or solvent, which may cause damage that may not be covered by guarantee.

ustelecom | 美国通讯有限公司

此保養證只適用于香港
For Hong Kong Only

保養說明

PRODUCTS - WARRANTY CARD
產品保養證

CUSTOMER'S COPY 用户存根 / 不需寄回

姓 名
Name: _____

電 話
Tel: _____

型 號
Model: _____

零售商
Dealer: _____

購買日期
Date of Purchase: _____

機身編號
Serial No.: _____

辦工時間

星期一至五（公眾假期休息）
上午十時至下午十二時；下午二時至五時

Office Hours

Mon - Fri (Except for Public Holidays)
10:00am - 12:00am ; 2:00pm - 5:00pm

維修中心 SERVICE CENTRE
Unit 307 Vanta Ind Ctr, Kwai Hing, HK
TEL: (852) 2185 6283

✦ 保養條款 ✦

1. 此保養證有效期為購買當日起計12個月。
2. 此保養證只適用於原本購買產品之顧客及不可轉讓。
3. 保養服務只限於保養期內，請出示保養證，發票正本及全套產品一併交回。客戶須負責將產品送往本公司的費用。
4. 零件及配件（火牛、電源線及電芯）之保養期為購買後90天，包括對電池的蓄電能量低於額定功率的80%以下及電池泡面這兩種情況。
5. 保養證將不包括由下列情況所導致的損壞：(a)產品曾經改裝，修改及非由本公司修理過；(b)正常磨損；(c)不當裝配、使用、誤用、意外或疏忽；(d)接觸水、雨、沙塵埃、汗水、太過潮濕或接近熱源；(e)使用其他品牌的配件。
6. 此保養證只在香港有效。
7. 由通知之日期起2個月內沒有領回已維修機件，公司有權自行處理有關機件，產期失職，恕不負責。
8. 本公司有權隨時修訂保養條款，而無須先行通知客戶。

✦ Warranty Conditions ✦

1. This warranty commences on the date of original purchase and expires 12 months from that date.
2. This warranty extends only to the first consumer purchaser and is not transferable.
3. Warranty service will only be provided within the warranty period. To obtain service, the complete set of product shall be brought to our service centre at the purchaser's own expense, together with this warranty card and the original purchase invoice.
4. The warranty period for accessories (battery, adaptor, line cord) is 90 days commencing from the date of original purchase. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered.
5. The warranty does not cover defects or damage result from (a) modification, alternation or repair by persons other than the authorized personnel of the company; (b) normal wear and tear; (c) improper installation and operation, misuse, accident, negligence; (d) contact with water, rain, sand, dirt; extreme humidity or heat, heavy perspiration; (e) the use of other brand accessories.
6. The warranty is valid in Hong Kong only.
7. Any repaired items not collected by customers within 2 months from the date of notice will be disposed of at the discretion of the company.
8. The warranty conditions are subject to change by the company without giving prior notice to customer.

18.COM Electronics Pte Ltd.

WARRANTY CARD

CUSTOMER'S COPY : DO NOT MAIL THIS

Name: _____

Contact No. Tel: _____

Model: _____

Date Of Purchase: _____

Serial No.: _____

Dealer's Stamp: _____

Service Centre:
Monday- Friday Opening Hours
9:30am - 12:30pm, 2:00pm - 5:00pm
Tel: 6278 8274

1. This warranty starts on the date of purchase and expires in 1 year. Customer must bring along this warranty card and original invoice or receipt together with the complete product for any repair services.
2. Any warranty application with no invoice and/or warranty card are regarded as invalid warranty. Customer must pay for repair charges.
3. This warranty is invalid if the product has been modified, altered and / or repaired by persons other than technician of our company or mishandled by customer.
4. This warranty is applicable to Singapore only.
5. This warranty does not cover damages caused by natural disasters such as flooding and lightning etc.
6. Customers are requested to collect repaired unit within two months from date of submission. Units not collected after 6 months will be disposed off by the company.

18.COM Electronics Pte Ltd, 159 Sin Ming Road, Amtech Building, #04-01, Singapore 575625

Remark

1. Importer and Distributor:
US Telecom Ltd
Unit 307 Vanta Ind Ctr, Kwai Hing, HK
info@ustel.com.hk

2. Adaptor details:
Brand Name: US Telecom Ltd
Factory Address: ROOM 10-11, 6/F,
KWONG SANG HONG CENTRE,
151-153 HOI BUN ROAD
KWUN TONG, KOWLOON HONG KONG

3. Battery Details:
Brand Name: JIANGSU CEL
Battery Model Name: AAA600/ Ni-MH AAA600

4. Maximum Output Power : 24dBm

5. Frequency Range: 446.0-446.1MHz