

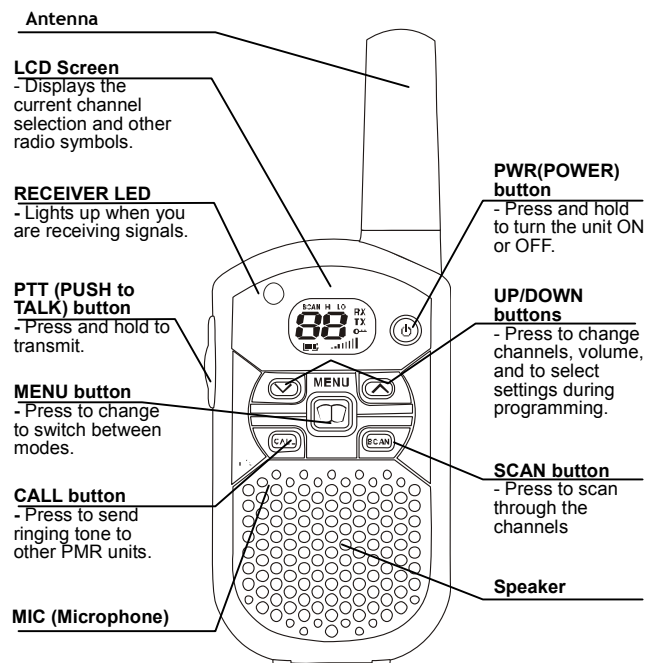


FX-4 Twin

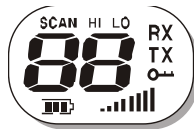
PMR446

Private mobile radio

Instruction manual – English



1. LCD Screen



8	Channel Number. Changes from 1 to 8 as selected by the user.
	Displays the current battery charger.
	Displays the current Speaker volume level.
	Shown when the buttons are locked.
TX	Displays when transmitting a signal.
RX	Displays when receiving a signal.
SCAN	Blinks when the Scan feature is Turned On.

2. Installation

2.1 Removing the Belt Clip

- Pull the Belt Clip latch forward away from the PMR.
- While pulling the Belt Clip latch, push up the Belt Clip as shown in Figure1.

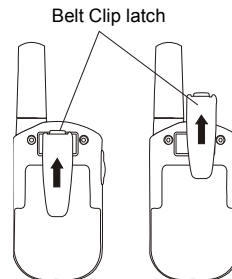


Figure 1

Figure 2

2.2 Installing the Belt Clip

- Slide the Belt Clip into the slot as shown in Figure2.
- A "click" indicates the Belt Clip is locked into position.

2.3 Installing the Batteries

- Open the locking latch and take off the battery compartment cover.
- Insert 3 "AAA" size batteries by following the polarity marking inside the Battery Compartment as shown in Figure 3.
- Replace the Battery Compartment Cover. See Figure 4 & Figure 5.

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

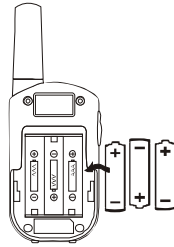


Figure 3



Figure 4

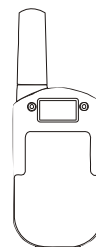


Figure 5

Notes:


- Use only same type and make of batteries on the PMR units.
- The PMR units have built-in Power Saver (PS) for maximum battery life, but when not in use, turn the units OFF to conserve battery power.
- Remove the batteries if the units will not be used for a long period of time.

3. Operation


3.1 Turning the Unit ON/OFF



To Turn ON;

- Press and hold the  (Power) button. A special "beep" sound will be heard. The LCD will display the current channel.

To switch OFF;

- Press and hold the  (Power) button. A special "beep" sound will be heard and the LCD screen will turn blank.

3.2 Adjusting the Speaker volume

The are 8 volume levels. The current speaker volume level is displayed on the LCD screen.



To adjust the speaker volume level, press the ▲(UP) button to increase, or press the ▼(Down) button to decrease. The LCD screen will display the speaker volume icon bars according to the settings.

3.3 Receiving a Call

The unit is continuously in Received mode when the unit is turned ON and not transmitting. When a signal is received on the current channel, the received signal icon "RX" will be displayed on the LCD screen, and the receiver LED indicator will turn on.

3.4 Transmitting a Call



a. Press and hold the PTT (Push-to-Talk) button to transmit your voice. The transmit signal icon "TX" will display on the LCD screen.

b. Hold the unit in vertical position with the MIC (Microphone) 5 cm away from the mouth. While holding the PTT button, speak into the microphone in a normal tone voice.

c. Release the PTT button when you have finished transmitting.

Important:

- In order to receive communication to other people, they must also be on the same channel that you are currently using. Refer to the 'Changing Channel' section for more information.
- When the PTT and/or Call buttons are continuously pressed, your PMR can not receive any transmission.

3.5 Roger Beep



The Roger Beep is a tone which automatically transmitted whenever the PTT button is released. This tone alert is receive the other party when you have ended the transmission, and you are now in receive mode.

3.6 Changing Channels



The PMR has 8 available channels, To change channel, in normal mode;

a. Press the Menu button once, the Channel icon "1" on the LCD screen will start blinking.

b. While the channel is blinking, press the ▲(UP) button or ▼(Down) button to select the desired channel. The channel changes from 1 to 8 or from 8 to 1.

c. Press the Menu button to confirm the selection and return to normal mode.

3.6.1 Hi/Low Power



Selecting the Hi/Low Power

a. Press the Menu button twice.

b. Press the ▲(UP) button to select the high power "Hi" appears on the display.

c. Press the ▼(Down) button to select the low power "Lo" appears on the LCD.

d. Press PTT button to confirm your selection.

3.6.2 Monitor



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

- a. To activate the Monitor function, press the Menu and the ▲(UP) button at the same time.
- b. If you hear constant noise and hissing sound press the Menu button once to turn off the monitor function.

Note:

- Refer to the "Channel Table" section on this Owner's Manual for more details.

3.7 Channel Scan



Channel scan performs searches for active signals in an endless loop from channel 1 to 8. This allows you to find other radios without having to change channel. To activate this feature;

- a. Press and hold the (Scan) button for 3 seconds. The LCD screen will display "SCAN" and the channel number on the LCD screen changes rapidly until an active signal is detected.
- b. When an active signal (any one of the 8 channels) is detected, channel scan pauses on the active channel.
- c. Press the PTT button to communicate through the active signal channel, and the channel scan will be deactivated. (Or press the ▲(UP) or ▼(Down) button to continue the channel scanning).
- d. Press and hold the (SCAN) button for 3 seconds to stop the channel scanning operation.

3.8 Key Lock



The Key Lock feature allows the user to disable the functions of ▲(UP) / ▼(DOWN), (SCAN) and the MENU buttons in order that the PMR settings can not be changed accidentally.

- a. To activate the Key Lock feature, press MENU and ▼(DOWN) button at the same time until the Key Lock icon (🔒) appears on the LCD screen.
- b. To deactivate the Key Lock feature, press MENU and ▲(UP) button at the same time until the Key Lock icon (🔒) disappears on the LCD screen.

The PTT, CALL and the ⏻ (Power) buttons will remain functional even if the Key Lock is activated.

3.9 Calling (Paging) Tone



You can use the CALL button to send a tone to other users on the same channel. To activate this channel this feature;

With the PMR in normal mode, press and release the CALL button. The unit will transmit a 2 seconds page tone to the other unit/s set with the same channel within transmitting range.

4. Auxiliary Features

4.1 Power Saving

Your PMR unit has special circuitry designed to extend the life of your battery. When the unit is not used for 4 seconds, it will automatically switch into a low power mode.

The Power Saving feature does not affect the PMR's ability to receive transmission. When a signal is detected, it will automatically return to full power mode.

4.2 Battery Meter Indicator



The PMR can detect the battery charge levels. The battery icon will display the battery charge status as follows;

- a. Battery charge at high a low power mode.
- b. Battery charge at empty level. The empty battery symbol will blink, then the unit emits "beep" tones and will automatically power off.

Important:

- Replace the batteries. Use only Alkaline "AAA" 1.5V batteries.

5. Specifications

Channels Available	8 Channels
Output Power (TX)	0.5 W ERP
Range	Up to 5 Kms.

6. 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

6. Safety



CAUTION

Damaged Antenna

Do not use any PMR 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 PMR in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a PMR is placed in the air bag deployment area and the air bag inflates, the PMR may be propelled with great force and cause serious injury to the occupants of the vehicle.

Potentially Explosive Atmospheres

Turn your PMR 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 PMR 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 PMR, use a soft cloth dampened with water. Do not use cleaners or solvent, which may cause damage that may not be covered by guarantee.

7. Warranty

Like all Brondi products, FX-4 twin has a 24-month warranty. The packing of the FX-4 twin contains a special warranty card which, to be valid, must be:

- completely filled in;
- accompanied by proof of purchase (receipt or invoice, etc.).

To correctly fill in the warranty card print the name of the product purchased (FX-4 twin) and the serial number (SN) printed under the base (if this is not already printed on the warranty card).

Brondi reserves the right to change the product specifications and performance without prior notice.

8. CE CONFORMITY DECLARATION

Brondi S.p.A., with registered office in Via B. Gozzoli n. 60-00142 Roma and operating premises in Via Guido Rossa 3 – 10024 Moncalieri (TO), declares that the FX-4 twin handset conforms to the following standards:

EN300296-2 v.1.1.1 (2001-03), EN301489-5 v1.3.1 (2002-08), EN60065 :2002.

It satisfies the requirements of European Directive 1999/5/CE regarding radio and telecommunications terminal equipment. The conformity to said requirements is expressed with the



Product conforming to Directive 89/336/CEE regarding electromagnetic compatibility and also conforming to Directive 73/23/CEE (low voltage) regarding safety standards.

You can request the complete original Declaration of Conformity by sending an email to info@brondi.it



**AZIENDA CON SISTEMA DI GESTIONE
PER LA QUALITÀ CERTIFICATO DA DNV
= UNI EN ISO 9001:2000 =**

BRONDI S.p.A.
www.brondi.it
info@brondi.it

Version: 1 -30 Jul 2007



Waste electrical products must not be
disposed of with household waste. This
equipment should be taken to your local
recycling center for safe treatment