










Using the PMR, *continued*

Scanning channels

When the SCAN function is turned on, the handset will continuously scan through all eight channels until it finds one on which another user is transmitting.

- 1  Press the **MENU** button TWICE. SCAN flashes on the display.
- 2  Press the **▲** or **▼** button to start or stop scanning.
- 3  When the handset detects an active channel, it will pause on that channel for a few seconds.
- 3  Press:
the **ENTER** button to set this as the current channel;
OR the **TALK** button to transmit on this channel.



Monitoring two channels at once (Dual Watch)

- 1  Press the **MENU** button THREE times. DW appears on the display, as well as the currently selected channel.
- 2  Press the **▲** or **▼** button to select a second channel.
- 3  The display switches backwards and forwards between the two selected channels. If the handset detects a signal on either channel, it will halt and receive it. Dual Watch restarts when the signal disappears.
- 3  OR press the **MONI** button to monitor for weak signals (for 15 seconds) on the channel currently shown in the display.
- 4  Press the **ENTER** or **TALK** button to set and confirm this as the current channel.



Locking the buttons

When the buttons are locked, you can transmit (**TALK**), receive or monitor (**MONI**) the current channel. But you can't change the volume (**▲ ▼**) or use the **MENU** button.

To lock the buttons:






- ▶  Press and hold the **ENTER** button until  appears on the display..

To unlock the buttons:

- ▶  Press and hold the **ENTER** button until  disappears from the display.

4 Using the seconds counter

The MR250 seconds counter (stopwatch) can count up to 99 seconds.

- 1  Press the **MENU** button FIVE times. 00 flashes on the display.
 - 2  To start the counter, press the **▲** button. The counter starts running. If it reaches 99 it goes back to 00 and starts again.
 - 3  To pause the counter, press the **▼** button. To restart the counter press the **▲** button again;
 - 4  OR, to reset the counter to 00, press the **ENTER** button while the display is flashing. When you've finished . . .
 - 5  Press the **MENU** button once to return to normal operation.
- If the handset detects a signal on the current channel while the seconds counter is running, it will automatically switch to normal operation and receive the transmission.

5 Cleaning and care

To clean your MR250, use a soft cloth dampened with water.

Do not use cleaners or solvents, which may cause damage not covered by the guarantee.

6 Technical specification

Operating frequency 446.00625 to 446.09375 MHz (eight channels).
Channel spacing 12.5 KHz.
Output power 0.5 W.

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

Declaration of conformity

The Binatone MR250 conforms with the following standards:

- EN 300296
- EN 60065
- EN 301489

7 Troubleshooting

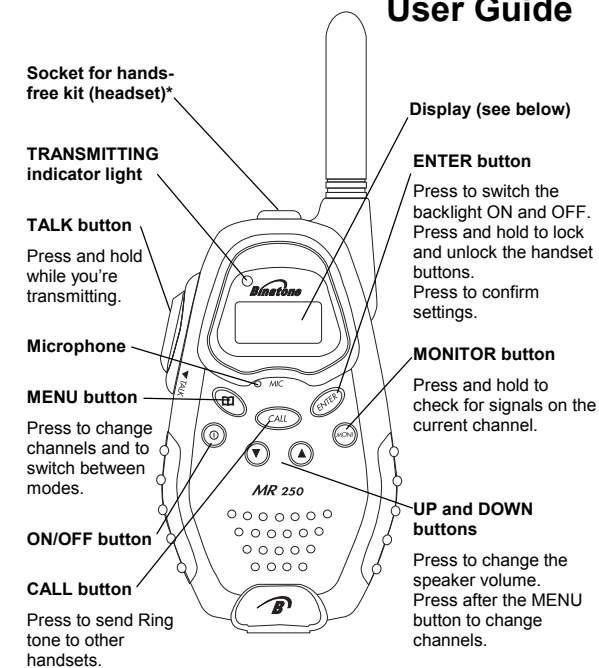
Problem	Possible cause - solution
No power	<ul style="list-style-type: none"> ▪ Batteries are low or not fitted correctly – check, and recharge batteries if necessary. ▪ Handset is not switched on – check.
Weak reception\ no reception\ 'noisy' reception	<ul style="list-style-type: none"> ▪ Batteries are low or not fitted correctly. ▪ Out of range. ▪ Confirm handsets are tuned to the same channel. ▪ Volume level may be set too low. See Getting Started Section for more information on adjusting the volume control. ▪ Local conditions are impairing reception - move to a different location, away from obstructions. ▪ Other user may not be transmitting. ▪ Other user is too close. ▪ There's interference from other users on the same channel. See section on using the Personal Mobile Radio for more information on changing channels.
Cannot change channels	<ul style="list-style-type: none"> ▪ Handset may have been locked. ▪ Batteries are low or not fitted correctly.
In VOX mode, the handset transmits all the time	<ul style="list-style-type: none"> ▪ Background noise may be too high ▪ VOX sensitivity may be too high. See section on using the Personal Mobile Radio for more information on VOX mode.
In VOX mode, the handset doesn't transmit	<ul style="list-style-type: none"> ▪ VOX sensitivity may be too low.
The dual charger doesn't work	<ul style="list-style-type: none"> ▪ Make sure that the mains power lead is correctly fitted to the dual charger pod. See section on Getting ready for use for more information.

8 Guarantee and service

The Binatone MR250 is fully guaranteed for 12 months from the date of purchase. The guarantee does not cover damage by misuse or negligence, or by excessive voltages.

If you think the unit has developed a fault, first check the troubleshooting guide. If the problem still persists, return the units complete in the original packaging to the store where you purchased them. Remember to take your sales (till) receipt with you.



Binatone MR250 Plus User Guide




*Hands-free kit not supplied as standard.

What's on the display



 Battery charge level - when this shows  (low), put the handset back on charge.

DW Dual Watch - shown when you're monitoring two channels at once.

 Shown when the buttons are locked.

BUSY Shown when you're receiving a signal.

SCAN Shown when the handset is scanning all channels.

VOX Shown when the handset is in VOX (voice-activated) mode.

 Volume level.

1 Getting ready for use

Charge both handsets for 12 hours before use.

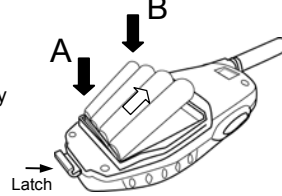
1 Fitting a battery pack in each handset

It's easier to fit the batteries without the belt clip in place.

- ▶ Insert your fingernail behind the tab. Pull the tab forward (away from the handset) to release the belt clip. Then lift the belt clip off.

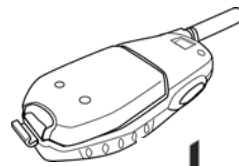


- ▶ Open the locking latch and slide off the battery compartment cover.
- ▶ To insert the battery pack, insert the lower edge first (A) . . .



Warning: Do not remove the sleeve from the battery pack.

- ▶ . . . then press the upper edge into the compartment (B), clicking the battery pack firmly into position.
- ▶ Lay the ribbon across the top of the battery pack.
- ▶ Replace the battery compartment cover, and firmly close the latch.



2 Fitting the (optional) belt clip

- ▶ Slide the belt clip downwards until it clicks into position.




3 Connecting the dual charger pod to the mains power supply

- ▶ Plug the mains power lead into the connector on the side of the charger pod.
- ▶ Ensure the switch at the 230 V AC, 50 Hz mains socket is set to OFF.
- ▶ Plug the adapter into the mains socket and switch ON the mains power.

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4 Charging the handsets' battery packs

- ▶ Place the handsets in the charging cradles (the LEDs come ON when the handsets are properly positioned). Leave them for 12 hours to charge fully.



When the handsets are switched ON, the battery level display should show  (full).

IMPORTANT

Whenever the MR250 handsets are not in use, leave them on the dual charging pod to keep the batteries charged.

2 Getting started

Switching ON and OFF

- ▶ To switch the handset ON, press and hold the  button until the display comes ON.
- ▶ To switch the handset OFF, press and hold the  button until the display goes blank. You hear a confirmation tone each time.

The backlight for the display



To switch the backlight ON and OFF: Briefly press the ENTER button.


Battery life

The MR250 has a built-in Power Saver feature to make the batteries last longer. But when you're not using the handset, it's best to switch it OFF to save battery power. You'll also find that the batteries last longer if you keep the backlight switched OFF when you don't need it.

Volume control

To adjust the loudspeaker volume:

- ▶ Press the  or  button.

 The volume level is shown by the bars in the display. You can change the volume either while you're using your MR250 handset, or while the handset is idle (switched ON but not in use).

Safety warnings

- Never use your MR250 outdoors in a thunderstorm.
- Do not expose the unit to rain
- Before charging, please read the instruction
- Do not charge with non-rechargeable batteries. Charge only with the rechargeable battery pack provided.
- Please dispose of old defective batteries in an environmentally friendly manner
- Keep the appliance out of the reach from children

3 Using the Personal Mobile Radio (PMR)





Transmission range

The talk range depends on environment and terrain. It will be greatest (up to about 3 km, or 1 ½ miles) in wide open spaces without obstructions such as buildings. Don't try to use two PMR handsets which are less than 1.5 m (5 feet apart). If you do, you may experience interference.

! Note: Your PMR's work on the PMR446 frequency which is an open-license band - always identify yourself when transmitting, as other people may be communicating on the same channel.

Changing channels

Your PMR's have eight channels, numbered 1 to 8. To communicate with other PMR users within range, you must all have your handsets tuned to the same channel.

- 1  Press the **MENU** button ONCE. The current channel number flashes on the display.
- 2 Press the  or  button to go to the channel you want.
- 3  Press the **ENTER** button to confirm.

Transmitting and receiving

! Note: PMR transmission is 'one-way-at-a-time' - while you are speaking, you cannot receive a transmission.

To speak to another handset user:

- 1 Press and hold the **TALK** button so that the TRANSMITTING light comes ON.
- 2 Speak clearly into the microphone, in a normal tone - don't shout.
- 3 When you've finished speaking, release the **TALK** button.

To listen to another handset user:

- ▶ Make sure you are NOT pressing the **TALK** button. BUSY is shown on the display when the other person is speaking. Don't try to transmit until they have finished.


Monitoring the current channel

Normally, the MR250 will not pick up very weak signals. But you can monitor the current channel for all weak signals by turning this function ON.

- ▶  Press and release the **MONI** button. Your handset will pick up any signals on the current channel, including background noise. It will carry on monitoring for about 20 seconds, unless you press and release the **MONI** button again to stop it.

Ring tone

You can send Ring tone to other handsets within range and tuned to the same channel as an alert that you want to communicate with them.

- ▶  Press and release the **CALL** button. You'll hear Ring tone for about 3 seconds, while the TRANSMITTING light is ON.

Any other handset within range and tuned to the same channel will hear Ring tone, and may decide to transmit to you.

You can also use Ring tone at the end of a transmission to signal that you've finished speaking.







VOX (voice-activated transmission) mode

In VOX mode, your handset will transmit whenever it detects your voice (or other noise) without the TALK button pressed.

It will transmit for at least 2 seconds even if you stop talking. You may wish to use VOX mode if you're using a hands-free kit (see overleaf).

The level of VOX sensitivity is shown by bars on the display. At the highest level (most bars), the handset will pick up softer noises (including background noise); at the lowest level, it will pick up only quite loud noises.

To turn VOX mode ON and OFF:

- 1  Press the **MENU** button FOUR times. **VOX** flashes on the display, and the current level of VOX sensitivity is shown.
- 2  Press the  or  button to set the level of VOX sensitivity. If you press the  button repeatedly until the 'sensitivity' bars disappear altogether, you turn VOX mode OFF, and VOX disappears from the display.
- 3  Press the **ENTER** button to confirm the setting. As long as the handset is in VOX mode, VOX is shown steadily on the display.

Using a hands-free kit (headset) - Optional

You can plug a hands-free kit (not supplied as standard) into the socket on the top of your MR250 handset. With a hands-free kit, you may wish to transmit in VOX mode; but if you find that this doesn't work very well, you can turn the VOX sensitivity OFF and press the **TALK** button to transmit, as normal.

For further details on the optional hands-free kit, please contact the Binatone Help Line on **0845 345 9677**.