

Monitor mode

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The MR100 has what's called an 'automatic squelch circuit', which turns the speaker off when no-one's transmitting a message to you. But if a transmission is weak, the circuit may prevent your handset picking up the signal. So you can de-activate (turn off) the circuit if you wish, putting the handset into 'monitor mode', as follows:

■ Press and hold the LIGHT/MONITOR button

The Rx symbol will appear on the display and you'll hear noise (this is normal, because the handset will pick up even background noise).



To switch monitor mode off and re-activate the automatic squelch circuit:

■ Press and hold the LIGHT/MONITOR button until the Rx symbol disappears

If you need help ...

The **Binatone Help Line** is available from 9.00 am to 5.00 pm, Monday to Friday, on

01325 304 473

Talk Confirmation tone

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Talk Confirmation tone is a tone that sounds on your handset when the person you're communicating with stops speaking and releases the PTT button on his/her handset. When you hear the tone, you know that you can press your PTT button and start speaking


To turn Talk Confirmation tone on:

1 Press the FUNCTION button four times

The  symbol flashes on the display.

2 Press the UP ▲ button to turn Talk Confirmation tone on, or the DOWN ▼ button to turn it off

3 Press the ENTER button to confirm the setting

As long as Talk Confirmation tone is turned on, the  symbol stays on the display.

Other PMR handsets

You may be able to use your MR100 handset to communicate with other brands of PMR handset which are tuned to the same channel — provided any CTCSS* function on the other handset is disabled. You can normally do this by setting the CTCSS code to zero (0 — the setting between 38 and 01). Refer to the User Guide supplied with your handset for details.

*CTCSS stands for 'continuous tone-coded squelch system'.

Safety warnings

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Radio frequency exposure

- When using the MR100, hold the handset at **least 5 cm (2 inches) from your face**, with the antenna pointed upwards and away from your face.
- **Use only the antenna supplied.** Unauthorised antennae, modifications or attachments could damage the transmitter; and modifications not expressly approved by Binatone could void your authority to use the MR100.

Outdoor use

- **Never use your MR100 outdoors in a thunderstorm.**
- The MR100 is splashproof. But if it is likely to get very wet, carry it in a plastic bag — you will still be able to use it through the bag.
- If your MR100 does get very wet, turn it off and remove the batteries. Dry the battery compartment and leave the cover off for a few hours. Do not use the handset until it is completely dry.

In the event of an incident or accident, the MR100 cannot be used for contacting Emergency or Rescue services.

Troubleshooting

If you have problems with your MR100, reset it by switching it off and removing the batteries. Then replace the batteries and switch the handset on again.

Safety warnings

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Using a hands-free kit

- Use only **approved hands-free accessories** from a reputable supplier. Other accessories may cause damage not covered by the guarantee.
- If you are using a hands-free earpiece, to protect your hearing, **don't turn the volume to maximum level.**
- If you're wearing the handset on your body, **use only the belt clip supplied with the MR100.** When you're transmitting, take the handset off your belt and hold it so that **the antenna is at least 2.5 cm (1 inch) away from your body.**

Technical specifications

Operating frequency	446.00625 to 446.09375 MHz (eight channels)
Channel spacing	12.5 KHz
Power source	3 × 1.5 V 'AA' alkaline battery
Approvals	EN 300296 (RF testing), EN 300339 (EMC testing)

Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	446.00625	05	446.05625
02	446.01875	06	446.06875
03	446.03125	07	446.08125
04	446.04375	08	446.09375

MR100 Private mobile radio USER GUIDE

Model 0515

Private mobile radio (PMR) lets you talk to as many people as you wish, as often as you like, with no need for a licence, subscription or tax payment. It's very easy to use, even for children.

Each MR100 handset is to be used with one or more other MR100s (see also the note on page 8).

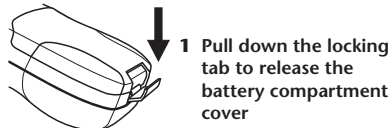


Binatone

Fitting the batteries

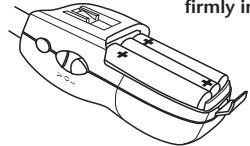
page 2

You need three 1.5 V AA/LR6 batteries for each handset.



- 1 Pull down the locking tab to release the battery compartment cover

- 2 Insert the three batteries, clicking them firmly into place



Make sure the plus and minus ends of the batteries are positioned as shown.

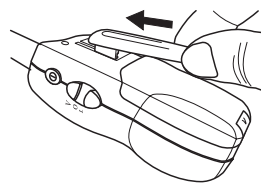
- 3 Replace the cover and the locking tab

Warnings

- Do not try to recharge alkaline batteries.
- Dispose of used batteries safely — never try to burn them or put them anywhere they could get burnt or punctured.
- When you're not going to use your MR100 for a few months, take the batteries out so they don't leak corrosive substances.
- When the display shows that the battery charge level is low (see page 4), replace all three batteries.
- Don't leave dead batteries in your handset — they might leak if you do.

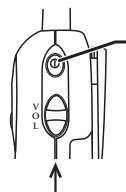
Fitting the belt clip (optional)

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Slide the belt clip into place as shown

Switching on and off



To switch on, press the **ⓘ** button for about 2 seconds until the handset 'beeps' and the display comes on.
To switch off, press the **ⓘ** button until the display clears.

Volume control

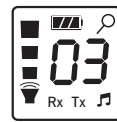
To adjust the volume of the speaker, press the VOL (volume control) buttons.

Cleaning and care

To clean your MR100, use a soft cloth dampened with water. Do not use cleaners or solvents, which may cause permanent damage not covered by the guarantee.

Display symbols

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The display back-light
Press the LIGHT/MONITOR button to turn the back-light on for 10 seconds, and to turn it off again.

03 The 2-digit channel number (01 to 08). To communicate with another MR100 user, both your handsets must be tuned to the same channel.

🔍 This appears when your handset is scanning for a busy channel.

🔊 Volume level indication. You can adjust the volume of the speaker using the VOL buttons (see page 2).

🔋 Battery charge level indication. When this shows  (empty), you need to replace all three batteries. To prolong battery life, remove the batteries when you're not going to use your MR100 for a while.

🎵 This appears when you've turned on Talk Confirmation tone (see page 8).

Rx Receive — this appears when you are receiving speech from another MR100 user.

Tx Transmit — this appears when you are transmitting speech to another MR100 user.

Selecting channels

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PMR has eight channels. You can communicate with any other user whose handset is tuned to the same channel as yours.

To select a channel

Press the UP ▲ or DOWN ▼ button until the channel number you want is shown on the display



To search for a channel

To search for a channel which other people are using, so you can communicate with them:

- 1 Press the FUNCTION button once
The 🔍 symbol appears on the display and the channel number flashes.
- 2 Press the ENTER button (on the side of the handset) to start searching
When the handset finds a channel which is being used, it will stop at this channel for 10 seconds.
- 3 To stop searching and stay at this channel, press the ENTER button again
If you don't press ENTER, the handset will carry on searching for another busy channel.

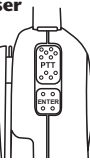
Communicating

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Note that PMR transmission is 'one-way-at-a-time' — while you are speaking, you cannot listen to other people.

To speak to another handset user

- 1 Press and hold the PTT button
The Tx symbol appears on the display.
- 2 Speak in a normal tone — don't shout
- 3 When you have finished speaking, release the PTT button



To listen to another handset user

- 1 Make sure the PTT button is not pressed
The Rx symbol will appear on the display when the other person starts to speak.
- 2 Adjust the volume control as necessary (see page 3)

Talk range

With your MR100, you can communicate over a range of up to about 3 km (1¾ miles). The talk range will be greatest in a flat, open area, without obstructions.

Don't try to use two MR100 handsets which are less than 1.5 m (5 feet) apart. If you do, you may get interference.