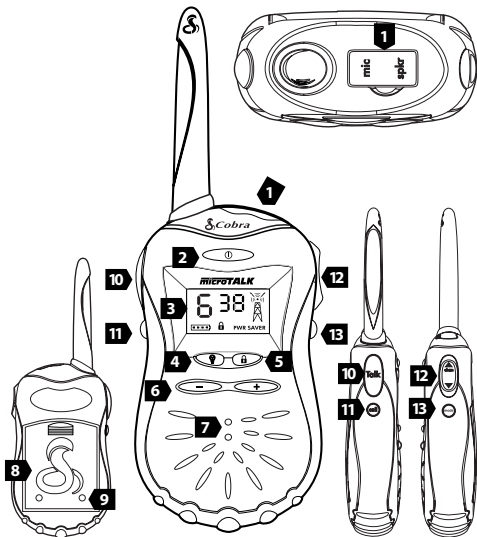# MT 220   2-Way Radio

Features of This Product

- *Two-way static-free radio with a range of up to 3 km (2 miles)*
- *6 channels**
- *SuperFlex™ antenna*
- *Holster belt clip*
- *Roger beep confirmation tone*
- *Backlit LCD*
- *Microphone/Speaker jacks*

Product Information

This Cobra microTALK radio has been manufactured to meet all required standards for radio equipment using PMR 446 frequencies as authorized. The use of this 2-way radio product involves the public airways and its use may be subject to local laws or regulations. Contact your radio licensing authority for more information.
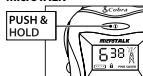
Installing Batteries

Install Batteries

❶ *Pull* lock tab down to remove **8** battery cover.

❷ *Insert* four "AAA" batteries. **Position batteries according to polarity markings**.

* The French version of the Cobra microTALK radios include only 6 channels, which have been approved by the Autorité de Régulation des Télécommunications (ART).

Operation

Turning On Your microTALK

PUSH & HOLD

Turning On Your microTALK

❶ *Push and hold* the ❷ POWER button for 2 seconds. An audible tone will indicate that the unit is on.

Illuminating the Display

PUSH & RELEASE

Illuminating the Display

❶ *Push and release* ❹ LIGHT/MAX RANGE button to illuminate display for 10 seconds.

Auto Squelch

Your microTALK is equipped with Auto Squelch, which automatically shuts off weak transmissions and unwanted noise resulting from terrain conditions or occurring because you have reached your range limit.

Maximum Range Extender

PUSH & HOLD

Maximum Range Extender

Auto squelch can be temporarily removed to allow all signals to enter (Maximum Range Extender).

❶ *Push and hold* ❹ LIGHT/MAX RANGE button to allow all signals to enter.

microTALK Range

1.

2.

3.

microTALK Range

Your microTALK Radio has a range of up to 3 km (2 miles). This effective range can be shortened under some conditions.

1. Under flat, open conditions you will experience the microTALK's maximum range.
2. Range can be reduced by buildings and foliage in the path of the signal.
3. Range will be further reduced by dense foliage and hilly terrain.
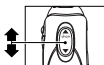
Auto Monitor

When the signal you want to hear is consistently weak, you may place the radio in Maximum Range mode without having to constantly hold the button: Press and hold the Maximum Range Extender button for 5 seconds. To return to normal operation, momentarily press the Maximum Range Extender button again or change channels.

Battery Low

Battery Low

When in normal use the BATTERY icon may begin flashing. This is a warning to you that the batteries are getting low. Replace alkaline batteries as soon as possible and/or recharge NiMH battery pack ❾
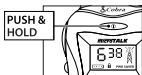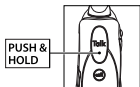
Auto Battery Save

Your MT 220 has a unique circuit designed to extend battery life. If there are no transmissions within 10 seconds, the unit will automatically switch to battery save mode and **3** PWR SAVER will be shown in the display.

Select Main Channel (1-8)

1 Turn on the microTALK 2-Way Radio.

2 *Select* any of the 8 channels by pushing the **12** CHANNEL button up or down.

Select CTCSS Subchannel (00-38)

1 *Push* the **13** MODE button. After a short delay, small numbers will flash next to the channel display LCD indicating the subchannel.

2 *Select* a subchannel number by *pushing* the **12** CHANNEL button up or down.

3 When the desired code is displayed *push and release the* mode button. An audible tone will confirm your selection.

Calling Another Party

To alert another party that you wish to communicate:

1 *Turn on* your microTALK 2-way radio. An audible tone will indicate that the unit is on.

2 *Select* a channel by *pushing* the **12** CHANNEL button up or down.

3 *Push and release* **11** CALL button. The unit you are calling will emit a two-second ringing tone.

Talking To Another Party

1 *Push and hold* **10** TALK button.

2 The TX/RX indicator will be displayed **3** .

3 Hold microphone **7** about 5 cm (2 inches) from your mouth. Speak in a normal voice.

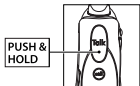**4** *Release* **10** TALK button and listen for a response.

Select Channel

Select CTCSS Subchannel

Calling Another Party

PUSH & HOLD

PUSH & RELEASE

Talking To Another Party

PUSH & HOLD

5 cm away

RELEASE

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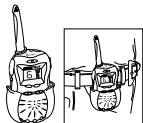**4** *Release* **10** TALK button and listen for a response.

RELEASE

1.   2.

Roger Beep Confirmation Tone

Your listener will hear an audible tone when you release the **10** TALK button.
This alerts the other party that you have finished talking and that they can
begin talking.

Listening For Another Party

When finished talking:

1 *Release* **10** TALK button to receive incoming transmissions through your
speaker **7** . Your microTALK is always in listening mode when the TALK
button is not pressed.

2 Adjust volume by *pushing* **6** DOWN/UP buttons.

Lock Function

The purpose of the LOCK function is to lock most buttons to avoid accidental
operation. To engage the LOCK function:

1 *Push and hold* **5** LOCK button until **3** flashes. Channel up/down,
Mode and Power buttons are now locked.

2 To "unlock" *push and hold* **5** LOCK button until **3** disappears.

microTALK 2-Way Radio Can Make Life Easier and Safer

As you become familiar with your microTALK Radio you will find many of your
own uses for the unit. Some suggestions include:
1. Talking with fellow hikers.
2. Keeping track of your family and friends in a shopping centre.
3. Communicating between different floors of a building.
4. Talking to a neighbour or a friend.
5. Checking on travelling companions in another car.
6. Agreeing on a meeting spot after an event.

Holster/Belt Clip/Desk Stand (Included With Your Radio)

Your microTALK Radio comes with a custom moulded plastic holster.

1. Desk Stand   2. Belt Clip

External Microphone/Speaker Jack

Your microTALK 2-Way Radio can be fitted with an external microphone/
speaker (not included), freeing your hands for other tasks.

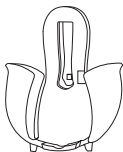To attach the external microphone/speaker:

1 Open **1** Mic/Spkr tab on top of unit.

2 Insert plug into the Mic/Spkr jack.

Caring for Your microTALK Radio

The microTALK 2-Way Radio will give you years of service if cared for properly.

Here are some suggestions:
1. Handle unit gently.
2. Keep away from dust.
3. Never place the unit in water or in a damp place.
4. Avoid exposure to extreme temperatures.

Replacement Holster

FA-HR1

Vox Headset Mic

VOX (Voice Operated Transmitter) headset and microphone unit allows hands-free operation.
MA-VOX

Ear Bud Mic with PTT

Compact earbud and microphone with Push-to-Talk switch.
MA-EBM

Lapel Speaker/Microphone

Remote microphone/speaker with Push-to-Talk switch.
MA-SM

NiMH Rechargeable Battery Pack

High performance Nickel Metal Hydride battery pack for multiple charging.
FA-BP

2 Port Desktop Charger

Charges two microTALK radios or two NiMH battery packs.
FA-CR

CE 0681 ①

For use in: Austria, Belgium, Denmark, Finland, France (Channels 3 through 8), Germany, Ireland Luxembourg, The Netherlands, Portugal, Spain, United Kingdom, Greece, Sweden.