

Cobra[®] **microTALK**

Owner's Manual



2-WAY RADIO MODEL

PR135

Printed in China Part No. 480-047-P

Nothing Comes Close To A Cobra™

English

Staying in touch with your family and friends is convenient and easy when using your microTALK® radio. Some of the many uses you will discover include:

Communicating with others while hiking, biking, and working; keeping track of family and friends at a crowded public event; checking with travel companions in another car; talking with neighbors; arranging meeting spots with others while shopping at the mall.

Belt Clip**Secure your microTALK® radio while on the go.**

Carrying your microTALK® radio with you is easy when using the belt clip or wrist strap.

Wrist Strap

The belt clip easily attaches to your belt, purse, or backpack. Simply squeeze the clip and place it where you prefer.

**Customer Assistance****For Assistance In the U.S.A.**

In this user's manual, you should find all the information you need to operate your microTALK® radio. If you require further assistance after reading this manual, Cobra® Electronics offers the following customer assistance services:

Automated Help Desk

English only. 24 hours a day, 7 days a week 773-889-3087 (phone).

Customer Assistance Operators

English and Spanish. 8:00 a.m. to 6:00 p.m. CT,
Monday through Friday (except holidays) 773-889-3087 (phone).

Questions

English and Spanish. Faxes can be received at 773-622-2269 (fax).

Technical Assistance

English only. www.cobra.com (on-line: Frequently Asked Questions).
English and Spanish. productinfo@cobra.com (e-mail).

For Assistance Outside the U.S.A.**Contact Your Local Dealer**

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Product Features



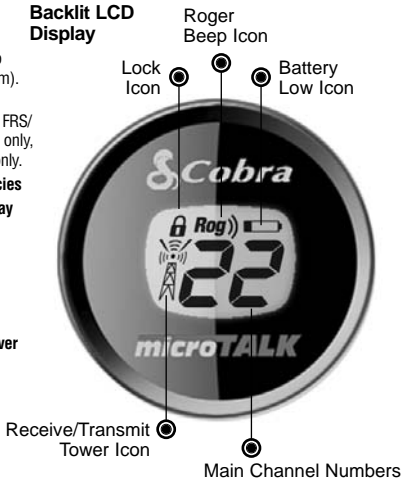
Important FCC Licensing Information

This radio operates on General Mobile Radio Service (GMRS) frequencies which require a Federal Communications Commission (FCC) license. See page 9 for licensing and additional information.

Features

- **Two-Way Radio**
With a range up to two (2) miles (3 km).
- **22 Channels**
Seven shared with FRS/GMRS, seven FRS only, and eight GMRS only.
- **UHF FM Frequencies**
- **Backlit LCD Display**
- **Call Alert**
- **Key Lock Button**
- **"Roger Beep"**
Selectable On/Off confirmation tone.
- **Battery/Power Saver**
- **Auto Squelch**
- **Maximum Range Extender**
- **Belt Clip**
- **Wrist Strap**

Backlit LCD Display



Caring for Your microTALK® Radio

Your microTALK® radio will give you years of trouble-free service if cared for properly. Handle the radio gently. Keep the radio away from dust. Never put the radio in water or in a damp place. Avoid exposure to extreme temperatures.

Remove Belt Clip



Pull Up Lock Tab



Insert Batteries



Installing and Replacing Batteries

1. Remove belt clip by releasing belt clip latch and sliding clip up.
2. Pull up on the **Battery Latch** to remove the battery compartment cover.
3. Insert four (4) AAA batteries. (Always use high quality alkaline batteries.) Position batteries according to polarity markings.
4. Replace Battery Compartment cover and belt clip.



See information on page 11 for optional battery pack and desktop charger accessories.



Using Your Radio

Operation

On/Off Power



Turning On Your microTALK® Radio

1. Press and hold the **Power** button for two (2) seconds. A series of audible tones will indicate the radio is On.

Your microTALK® radio is now in **Standby Mode**, ready to receive transmissions. The radio is always in **Standby Mode** except when the **Talk** or **Call** buttons are pressed.

Battery Low



Battery Low

When battery power is low, the **Battery Low** icon will blink. Your batteries should be replaced or recharged, if using rechargeable batteries.

Battery/Power Saver

Your microTALK® radio has a unique circuit designed to extend battery life. If there are no transmissions within ten (10) seconds, the radio will automatically switch to **Battery Save Mode**. This will not affect the radio's ability to receive incoming transmissions.

Talk Button



2" From Mouth



Talking to Another Person

1. Press and hold the **Talk** button.
2. With the microphone about two (2) inches (5cm) from your mouth, speak in a normal voice.
3. Release the **Talk** button when you are finished talking and listen for a response.

You cannot receive incoming calls while pressing the Talk button.



Both radios must be tuned to the same channel to communicate.

Channel Select



Selecting a Channel

1. With the radio on, select any of the 22 channels by pressing the **Channel Up** or **Channel Down** button.



Both radios must be tuned to the same channel to communicate.



Using Your Radio

Operation

Channel Select



Channels 1 through 7 are shared with FRS/GMRS. Channels 8 through 14 are FRS only. Channels 15 through 22 are GMRS only.



See page 8 for FRS/GMRS frequency allocations and compatibility charts.

Listening



Listening for a Response

When You are Finished Talking:

1. Release the **Talk** button to receive incoming transmissions. Your microTALK® radio is always in **Standby Mode** while the **Talk** or **Call** buttons are not pressed.

Adjusting Volume



Adjusting the Volume

1. Adjust the volume by pressing the **Volume Up** or **Volume Down** button.

Call Button



Calling Another Person

1. To alert another person that you are calling, press the **Call** button.

The other person will hear a two (2) second ringing tone. You cannot send or receive transmissions during the two (2) second call tone.

Roger Beep Icon



“Roger Beep” Confirmation Tone

Your listener will hear an audible tone when you release the **Talk** button. This alerts the other party that you are finished talking and it is **OK** for them to speak. This feature can be turned On or Off.

Turning “Roger Beep” On or Off

When turning On your microTALK® radio for the first time, “Roger Beep” will be On.

1. Press the **Call** and **Lock** buttons at the same time to turn the “Roger Beep” On or Off.

The setting you select will be saved when you turn your radio Off and On again. When the Roger Beep is On, the Roger Beep icon will be displayed.

Call/Lock



Light/Max Range



Illuminating the Display

1. Press the **Light/Max Range** button to illuminate the display for ten (10) seconds.



Using Your Radio

Operation

Light/Max Range



Maximum Range

Your microTALK® radio is equipped with Auto Squelch, which automatically shuts Off weak transmissions and unwanted noise due to terrain, conditions, or if you've reached your maximum range limit.

You can temporarily turn Off Auto Squelch, allowing all signals to be received and extending the maximum range of your radio.

To Turn Maximum Range Extender On:

1. Press and hold the **Light/Max Range** button for five (5) seconds. You will hear two (2) beeps indicating your radio is On.

To Turn Maximum Range Extender Off:

1. To turn Maximum Range Extender Off, press and hold the **Light/Max Range** button for one (1) second or change channels.

Press Lock Button



Using Lock

The Lock button locks the **Channel** and **Power** buttons to prevent accidental operation.

Lock Icon



To Use the Lock Function:

1. Press the **Lock** button for one (1) second to turn the Lock On or Off.

A double beep sound is used to confirm your Lock On or Off request. When in **Lock Mode**, the Lock icon will be displayed.

Maximum Range



microTALK® Range

Your microTALK® radio has a range of up to two (2) miles (3 km). Your range will vary depending on terrain and conditions. In flat, open country your radio will operate at maximum range.

Reduced Range



Buildings and foliage in the path of the signal can reduce the range.

Reduced Range



Dense foliage and hilly terrain will further reduce the signal.



Remember, you can achieve maximum range by using Maximum Range Extender. See above for details.



General Specifications

Operation

A. FRS/GMRS Frequency Allocation and Compatibility

Important: Please note that Cobra® GMRS models with 15 channels may designate different channel numbers for the same frequency. For example, a Cobra® 15 channel GMRS model would need to be tuned to channel 11 in order to communicate with a 22 channel GMRS tuned to channel 15. Please refer to the chart below for channel/frequency number compatibility.

- A = 22 Channel GMRS Channel No. Displayed**
- B = Channel No. For 15 Channel GMRS Models**
- C = Type of Radio Service**
- D = Frequency in MHz**
- E = Power in Watts**

A	B	C	D	E
1	1	FRS/GMRS	462.5625	0.5
2	2	FRS/GMRS	462.5875	0.5
3	3	FRS/GMRS	462.6125	0.5
4	4	FRS/GMRS	462.6375	0.5
5	5	FRS/GMRS	462.6625	0.5
6	6	FRS/GMRS	462.6875	0.5
7	7	FRS/GMRS	462.7125	0.5
8		FRS	467.5625	0.5
9		FRS	467.5875	0.5
10		FRS	467.6125	0.5
11		FRS	467.6375	0.5
12		FRS	467.6625	0.5
13		FRS	467.6875	0.5
14		FRS	467.7125	0.5
15	11	GMRS	462.5500	0.5
16	8	GMRS	462.5750	0.5
17	12	GMRS	462.6000	0.5
18	9	GMRS	462.6250	0.5
19	13	GMRS	462.6500	0.5
20	10	GMRS	462.6750	0.5
21	14	GMRS	462.7000	0.5
22	15	GMRS	462.7250	0.5

B. Receiver

	Unit	Nominal
1. Sensitivity		
For 12 DB SINAD	dBm	-122
For Call Signal Detection	dBm	-122
2. Max. Audio Output		
@10% THD	mW	350
3. Max. S/N Ratio		
@ 1mV RF Input	dB	40
4. Squelch		
a) Sensitivity	dB sinad	10
b) Attack Time	mS	120
c) Closing Time	mS	200
5. Audio Frequency Response		
@ 300 HZ.	dB	-3
@ 2500 HZ.	dB	-10
6. Signal Displacement BW	+/-KHZ	6
7. Adjacent Channel Rejection	dB	50
8. Intermodulation Rejection	dB	65
9. Spurious Response Rejection	dB	55

C. Transmitter

	Unit	Nominal
1. Power	mW	500
2. Carrier Frequency Stability	±Hz	500
3. Modulation Limiting	KHz	2.5
4. Carrier Attack Time	mS	80
5. Audio Frequency Response		
@ 300 HZ	dB	-12
@ 2500 HZ	dB	3
6. Audio Distortion	%	3
7. Hum Noise	dB	30
8. Transient Frequency Behavior		
a) TX On	mS	30
b) TX Off	mS	5

D. Power Supply

	Unit	Nominal
1. Battery Life (5:5:90 RATIO)		
With Alkaline Batteries	HR	24
2. Battery Operating Range	V	4.2 – 6.0

**IMPORTANT NOTICE: FCC LICENSE REQUIRED**

This two-way radio operates on GMRS (General Mobile Radio Service) frequencies which require an FCC (Federal Communications Commission) license. A user must be licensed prior to operating on channels 1 through 7 or 15 through 22, which comprise the GMRS channels of this radio. Serious penalties could result for unlicensed use of GMRS channels, in violation of FCC rules, as stipulated in the Communications Act's Sections 501 and 502 (amended).

Licensed users will be issued a call sign by the FCC, which should be used for station identification when operating this radio. GMRS users should also cooperate by engaging in permissible transmissions only, avoiding channel interference with other GMRS users, and being prudent with the length of their transmission time.

For licensing information and application forms, please call the FCC Hotline at 800-418-FORM. Request form #159 and form #605. Questions regarding the license application should be directed to the FCC at 888-CALL-FCC. Additional information is available on the FCC's website at www.fcc.gov.

Safety Information for microTALK® radios

Your wireless handheld portable transceiver contains a low power transmitter.

When the PTT button is pushed, it sends out radio frequency (RF) signals.

The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless devices.

Important:

To maintain compliance with the FCC's RF guidelines, hold the transmitter at least 2 inches (5 centimeters) from your face and speak in a normal voice, with the antenna pointed up and away. If you wear the handset on your body while using the headset accessory, use only the Cobra® supplied belt clip for this product and ensure that the antenna is at least 1 inch (2.5 centimeters) from your body while transmitting. If the distance between the antenna and the body is LESS THAN 1.0" (2.5 cm), DO NOT USE THIS DEVICE IN THE BODY WORN CONFIGURATION. Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

Normal Position:

Hold the transmitter approximately 2" from your face and speak in a normal voice, with the antenna pointed up and away.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

FCC Warnings: Replacement or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommended by Cobra® may cause a violation of the technical regulations of part 95 of the FCC Rules, or violation of type acceptance requirements of part 2 of the Rules.





If you have any questions about operation or installing your new Cobra® product, or if you are missing parts... Please call Cobra® first! DO NOT RETURN THIS PRODUCT TO THE STORE! See customer service on page 2.

Product Service Questions

If your product should require factory service, please call Cobra® first before sending your radio. This will ensure the fastest turn-around time on your repair. You may be asked to send your radio to the Cobra® factory. It will be necessary to furnish the following to have the product serviced and returned.

1) For Warranty Repair include some form of proof-of-purchase, such as a mechanical reproduction or carbon of a sales receipt. If you send the original receipt, it cannot be returned; 2) Send the entire product; 3) Enclose a description of what is happening with the radio. Include a typed or clearly printed name and address of where the radio is to be returned; 4) Pack radio securely to prevent damage in transit. If possible, use the original packing material; 5) Ship prepaid and insured by way of a traceable carrier such as United Parcel Service (UPS) or First Class Mail to avoid loss in transit to **Cobra® Factory Service**, Cobra® Electronics Corporation, 6500 West Cortland Street, Chicago, Illinois 60707 USA; 6) If the radio is in warranty, upon receipt of your radio it will either be repaired or exchanged depending on the model. Please allow approximately 3 – 4 weeks before contacting Cobra® for status. If the radio is out of warranty, a letter will automatically be sent informing you of the repair charge or replacement charge. **If you have any questions, please call 773-889-3087 for assistance.**



Warranty

Limited 2-Year Warranty For Products Purchased in the U.S.A.

Cobra® Electronics Corporation warrants that its Cobra® GMRS radios, and the component parts thereof, will be free of defects in workmanship and materials for a period of two (2) years from the date of first consumer purchase. This warranty may be enforced by the first consumer purchaser, provided that the product is utilized within the U.S.A. Cobra® will, without charge, repair or replace, at its option, defective GMRS radios, products or component parts upon delivery to the Cobra® Factory Service department, accompanied by proof of the date of first consumer purchase, such as a duplicated copy of a sales receipt. You must pay any initial shipping charges required to ship the product for warranty service, but the return charges will be at **Cobra's** expense, if the product is repaired or replaced under warranty. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

Exclusions: This limited warranty does not apply: 1) To any product damaged by accident; 2) In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs; 3) If the serial number has been altered, defaced, or removed; 4) If the owner of the product resides outside the U.S.A.

All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty. Cobra® shall not be liable for any incidental, consequential or other damages; including, without limitation, damages resulting from loss of use or cost of installation. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

For products purchased outside the U.S.A., please contact your local dealer for warranty information.



Customer Assistance

Accessories & Order Form

Name

Address (No P.O. Boxes)

City

State/Province

Zip

Country

Telephone

Credit Card Number

Type: Visa Mastercard Discover

Exp. Date

Customer Signature

Item Description
#XX-XXXCobra to drop
in image,
item description
and part number

Item #	U.S. Cost Each	Qty	Amount
Amount	Shipping/ Handling	U.S. Subtotal	
\$10.00 or less	\$3.00	(Tax if Applicable)	
\$10.01-\$25.00	\$5.50	Shipping/Handling	
\$25.01-\$50.00	\$7.50	Total	
\$50.01-\$90.00	\$10.50		
\$90.01-\$130.00	\$13.50		
\$130.01-\$200.00	\$16.50		
\$201.01 plus	10% of purchase		

Item Description
#XX-XXXCobra to drop
in image,
item description
and part number

Tax Table
 Illinois add 8.75%
 Indiana, Ohio,
 Wisconsin add 5%
 Michigan add 6%

For AK, HI and PR add additional \$26.95 for FedEx
 Next Day* or \$10.95 for FedEx 2nd Day* shipments.
 Please allow 2-3 weeks for delivery in the U.S.
 Prices subject to change without notice.
 * Excludes weekends and holidays.

Item Description
#XX-XXXCobra to drop
in image,
item description
and part number**The Cobra® line of quality products includes:**

CB Radios, microTALK® Radios, Radar/Laser Detectors,
 Safety Alert® Traffic Warning Systems, Accessories,
 GPS (Global Positioning System), HighGear™ Accessories

Ordering From U.S.Call 773-889-3087 for pricing or visit www.cobra.com.

For credit card orders, complete and return this
 order form to fax number 773-622-2269. Or call
 773-889-3087 (Press 1 from the main menu)
 8:00 a.m. to 6:00 p.m. CT, Monday through Friday.

Make check or money order payable to:
 Cobra® Electronics, Attn: Accessories Dept.
 6500 West Cortland Street, Chicago, IL 60707 USA

To order online, please visit our website: www.cobra.com