

Cobra Electronics Corporation 6500 West Cortland Street Chicago, IL60707

#### If You Think You Need Service

For technical assistance, please call our Automated Help Desk which can assist you by answering the most frequently asked questions about Cobra products. (773) 889-3087 24 hours a day, 7 days a week. Consumer Service Representative can be reached through this same numbe

A Consumer Service Representative can be reached through this same number 8:00 am - 8:00 pm, Monday through Friday, CST. Technical assistance is also a vailable on-line in the Frequently Asked Questions (FAQ) section at www.cobraelec.com or by e-mail to productinfo@cobraelec.com

#### If you think you need service call 1.773.889.3087

"If your product should require fatory service please call Cobra first before sending your unit in. This will ensure the fastest turn-around time on your repair You may be asked to send your unit to the Cobra factory. It will be necessary to furnish the follow-

- 1. For Warranty Repair include some form of proof-of-purchase, such as a mechanical reproduction
- or carbon or a sales receipt. If you send the original receipt it cannot be returned.
- 2. Send the entire product.

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- Enclose a description of what is happening with the unit. Include a typed or clearly print name and address of where the unit is to be returned.
- Pack unit securely to prevent damage in transit. If possible, use the original packing material.
   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
- W. Cortland St., Chicago, IL 60707.
   If the unit is in warranty, upon receipt of your unit it will either be repaired or exchanged depending on the model. Please allow approximately 3 to 4 weeks before contacting us for status. If the unit 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 1.773.889.3087 for

Cobra Electronics Corp.© 1998 Printed in Thailand Part No. 480-279-P-001



S.C. address

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"Ingenious Products for Easier Communication."

#### The Family Radio Service Story

#### The Family Radio Service Story

Ever wish you could talk to someone who wasn't within earshot? Like contacting ski partners back at the lodge? Or letting a friend know how to find you in a busy mall? Cobra's MicroTalk 2 is a great way for friends or family to increase their fun-and safety-by staying in touch while on the go.

The FCC (Federal Communications Commission) has created 14 license free frequency bands, or channels, called Family Radio Service (FRS) frequencies. All of these 14 channels are easily accessed on your Cobra FRS radio. These channels are in the UHF (Ultra High Frequency) band which means great penetration through buildings, thick forests, hills, and other dense structures. They are also FM (Frequency Modulation) signals which means crystal clear reception even in crowded noisy environments.

#### 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.

Included with your MicroTalk 2 Removable Belt Clip Wrist Strap

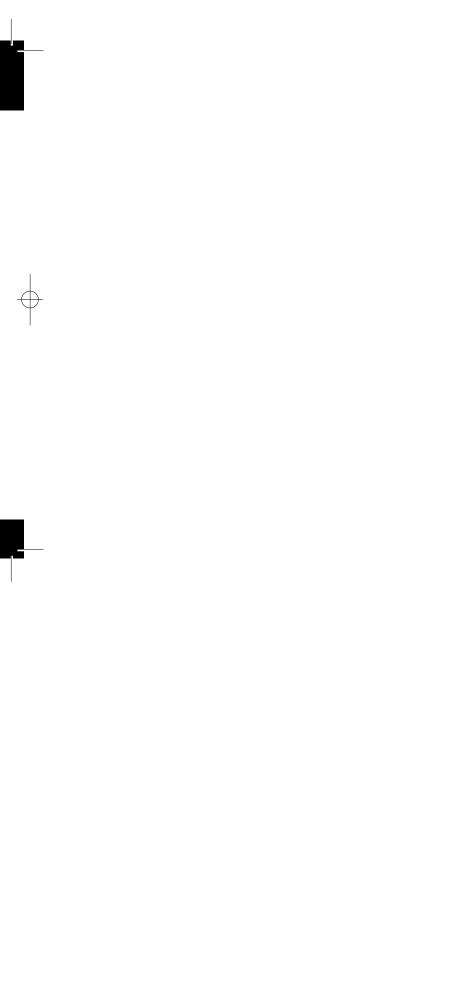


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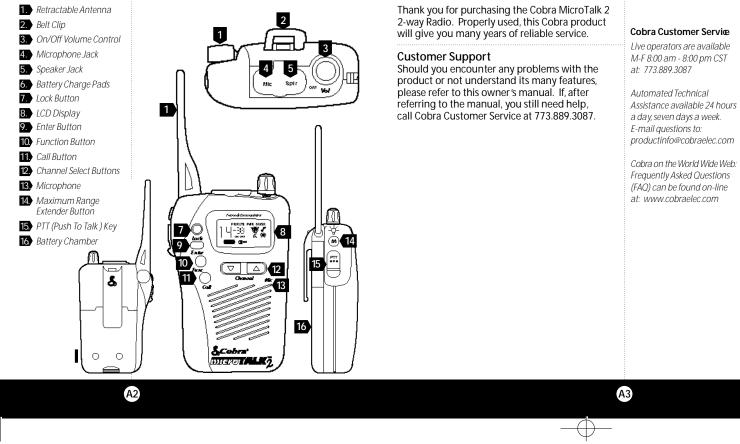
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#### **Controls and Indicators**

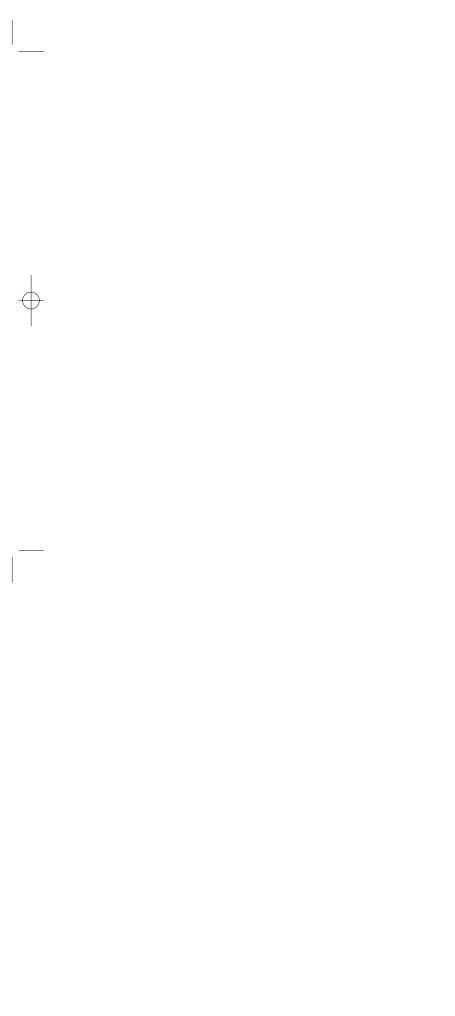


M-F 8:00 am - 8:00 pm CST at: 773.889.3087

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Assistance available 24 hours a day, seven days a week. productinfo@cobraelec.com

Frequently Asked Questions (FAQ) can be found on-line at: www.cobraelec.com



## How to Use Your Cobra

Contents	
Features1	
The FRS StoryA1	
FCC Warnings	
Included Accessories	Features of This Product
Controls & IndicatorsA2	UHF FM Frequencies
Our Thanks to You	onninininiquencies
Customer Support	<ul> <li>No License Required</li> </ul>
Operating your MicroTalk 2	No Air Times Cose
Battery Installation	<ul> <li>No Air Time Fees</li> </ul>
LCD Display4	Up to 2 mile range
Turning On5 Auto Battery Power Saver	
Select Main Channel (1-14)6	<ul> <li>14 Main Channels</li> </ul>
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Battery Low	50 01 055 5000 nann 015
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Talking To Another Party	Private Call Voice Scramble
Talk Confirmation Tone	· FIVALE CAILVOILE SCIAITIDIE
Listening For Another Party14	Talk Confirmation Tone
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Maximum Range Extender15	<ul> <li>Call/Ring Button</li> </ul>
MicroTalk 2 Range	Recharging Pads
Making Life Easier And Safer1/	0 0
External Microphone/Speaker Jack	Retractable Antenna
Advanced Features	Auto Battery Saver Circuity
Private Call (Voice Scramble)22	- Auto battery Saver Circuity
Ringer	<ul> <li>Auto Squelch</li> </ul>
Ione Settings	La al-Karr
Lock Function	<ul> <li>Lock Key</li> </ul>
Frequency Ranges	Ring Notification
Caring for Your MicroTalk 2	
MicroTalk 2 Specifications	Wrist Strap/Belt Clip
Limited Two Year Warranty	Water Resistant
Order Form	
If You Think You Need ServiceBack Cover	
IT TO A THINK TO A NEED SET VICE	

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M Frequencies ense Required Time Fees 2 mile range in Channels CSS Subchannels Inction Display Call Voice Scramble onfirmation Tone ng Button rging Pads table Antenna attery Saver Circuity quelch

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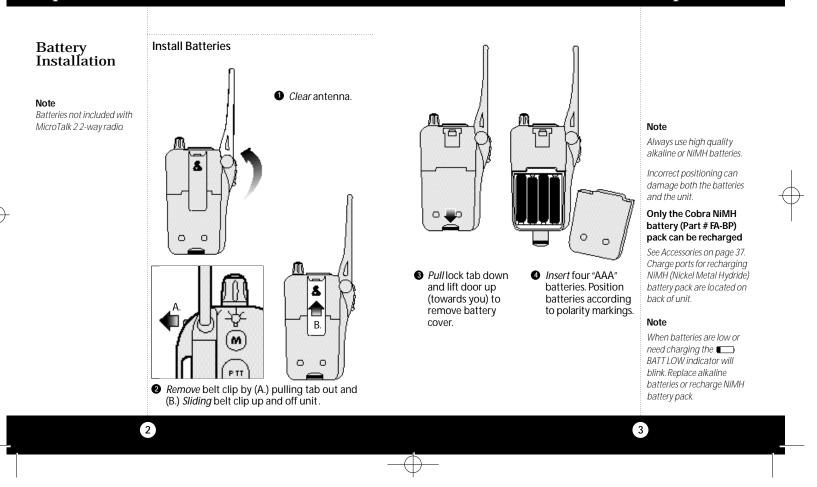
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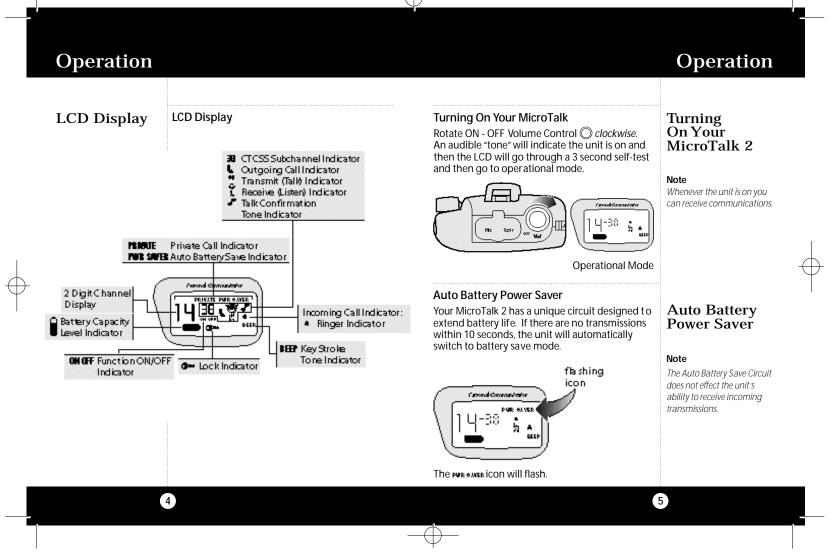
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#### Operation

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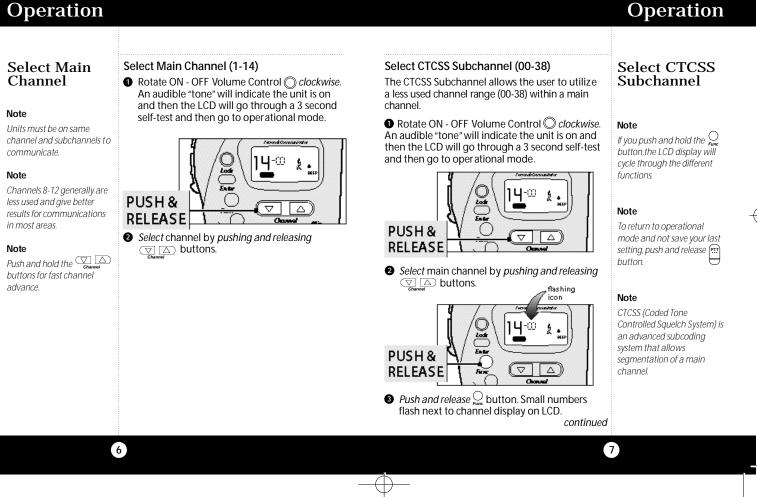
#### Operation





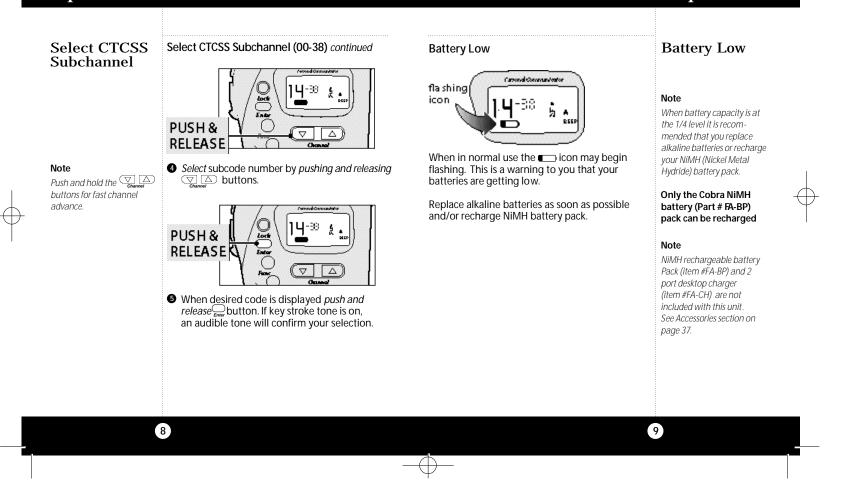
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#### Operation



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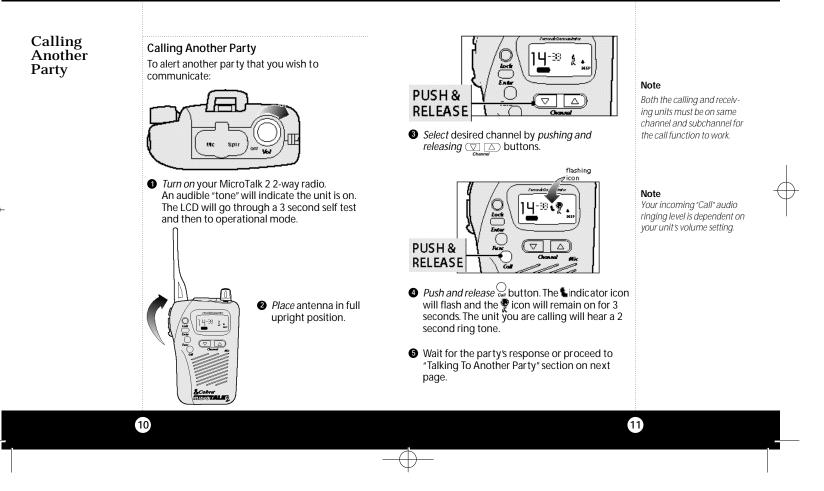
#### Operation

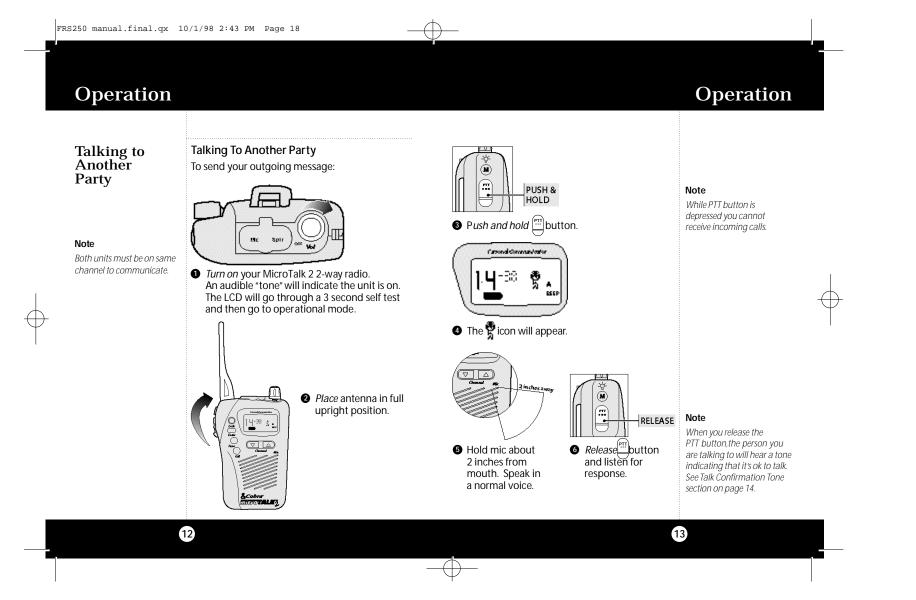


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#### Operation

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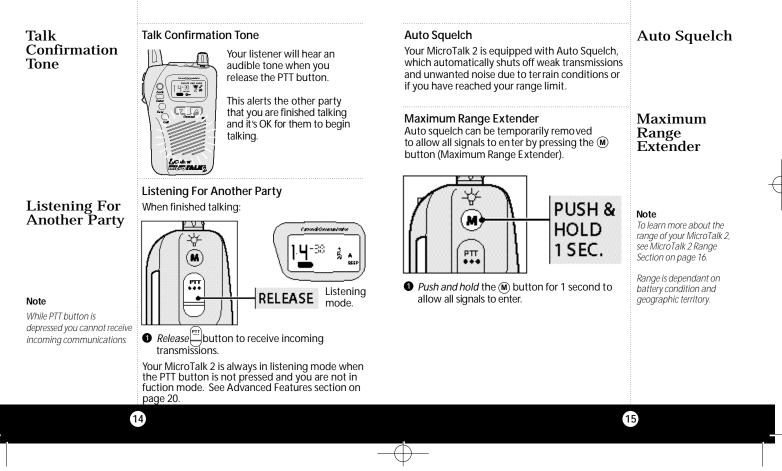




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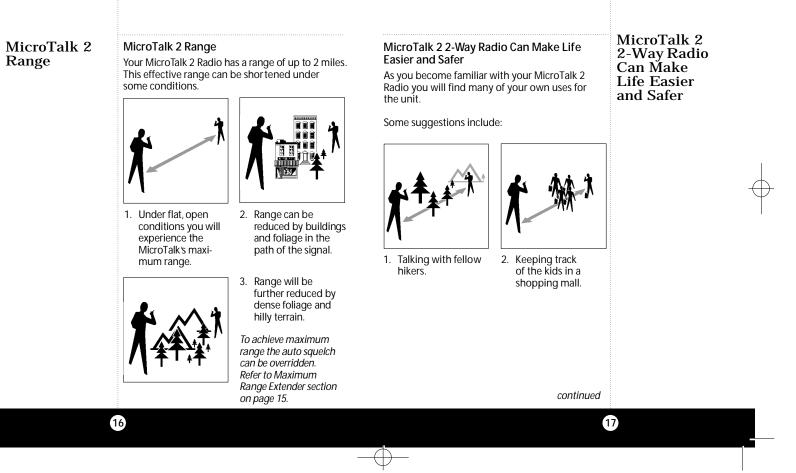
## Operation

#### **Operation**



#### MicroTalk 2 Range

#### Making Life Easier and Safer



#### Making Life Easier and Safer

5. Checking on travel-ing companions in

another car.

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# MicroTalk 2 2-Way Radio Can Make Life Easier and Safer



6. Agree on a meeting

spot after an event.

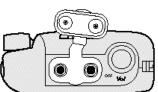
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#### External Microphone/Speaker Jack

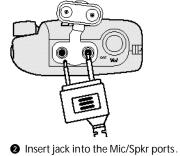
External Microphone/Speaker Jack

an external microphone/speaker, (not included)

To attach the external microphone/speaker:



• Open Mic/Spkr tab on top of unit.



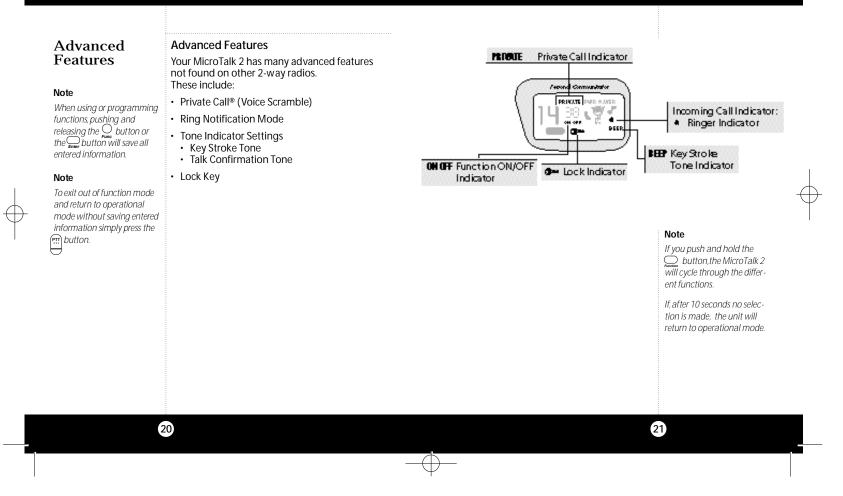
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External Microphone/ Speaker Jack



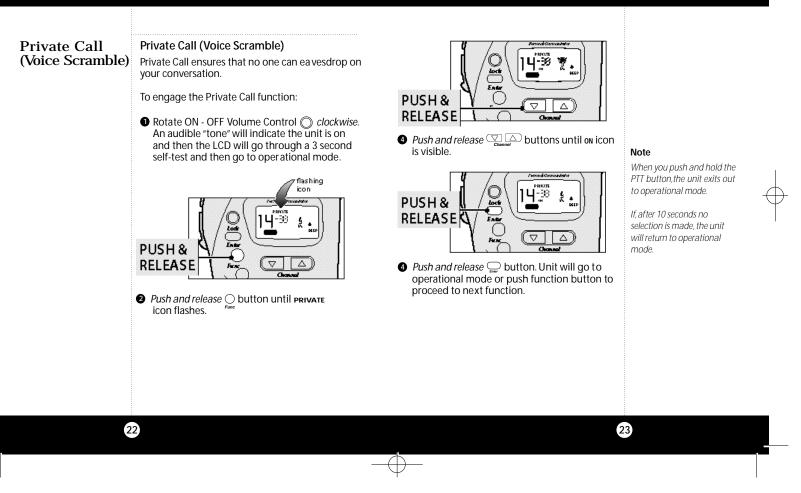
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#### **Advanced Features**

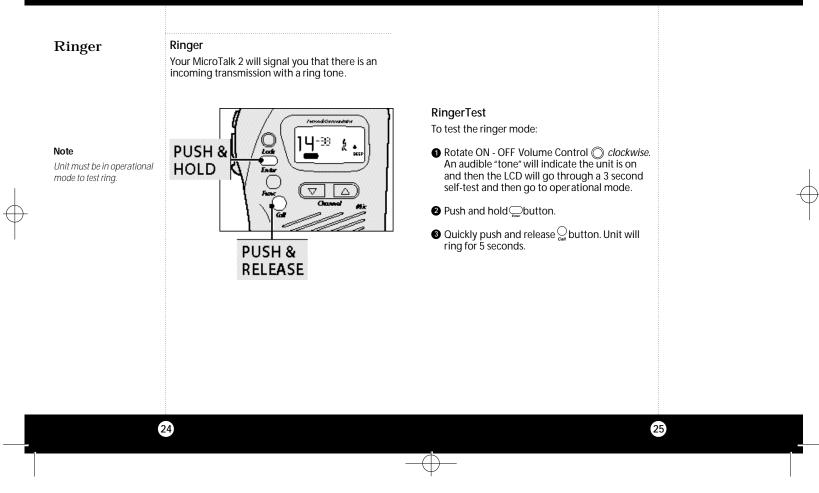


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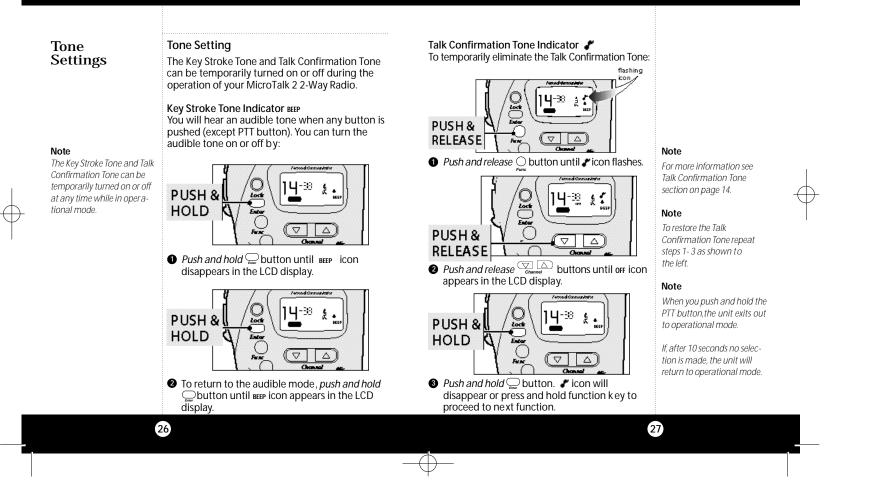
#### **Advanced Features**



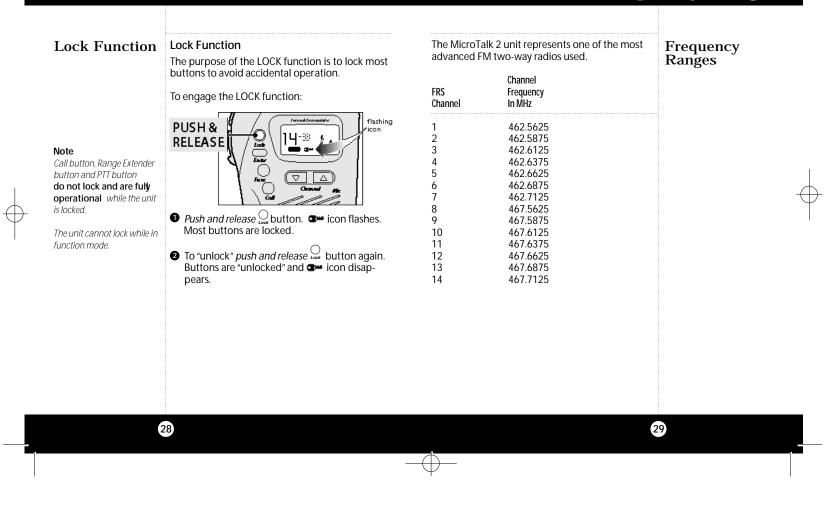
#### Advanced Features



#### **Advanced Features**



#### **Frequency Range**



#### Caring for Your micro (1990, Radio

Caring for Your MicroTalk 2 Radio

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

Caring for Your MicroTalk 2 Radio

components can cause malfunction and will

not return the unit to the

Note

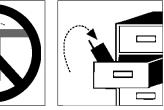
retailer.

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Here are some suggestions:





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1. Handle unit gently. 2. Keep away from dust.

3. Never place the unit in water or in a moist place.

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4. Avoid exposure to extreme temperatures.

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#### Mara / 19 Specifications

#### Mara / 19 Specifications

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ENERAL SPECIFICATIONS			C.TRANSMITTER		
A.GENERAL			1. EFFECTIVE RADIATED POWER	UNIT mW	500
CH=14 CHANNELS WITHIN 462-467 MHZ		2. CARRIER FREQ.STABILITY	HZ	500	
B. RECEIVER			3. MODULATION LIMITING	KHZ	2.5
	UNIT		4. CARRIER ATTACK TIME	mS	80
1.SENSITIVITY FOR 12 DB SINAD FOR CALL SIG.DETECTION	uV uV	0.25 0.2	5. AUDIO FREQUENCY RESPONSE @ 300 HZ @ 3000 HZ	DB DB	-6 -6
2.MAX. AUDIO OUTPUT @10% THD	MW	100	6. AUDIO DISTORTION	%	3
3.MAX.S/N RATIO @ 1mV RF INPUT	DB	45	7. HUM and NOISE	DB	45
4.SQUELCH a) SENS. b) ATTACK TIME c) CLOSING TIME	uV mS mS	0.2 120 200	8. TRANSIENT FREQ.BEHAVIOR a) TX ON b) TX OFF	mS mS	30 5
<ol> <li>AUDIO FREQUENCY RESP.</li> <li>@ 300 HZ</li> </ol>	DB	-6	D. POWER SUPPLY 1. BATTERY LIFE (1:1:8 RATIO)	HR	24
@ 3000 HZ	DB	-6	2. BATTERY	V	4.8 - 6.0
6.SIGNAL DISPLACEMENT BW	+/-KHZ	5		•	1.0 0.0
7.ADJACENT CH.REJECTION	DB	55			
8.INTERMODULATION REJECTION	DB	55			
9.SPURIOUS RESPONSE REJECTION	DB	65			

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#### Limited Two Year Warranty

COBRA ELECTRONICS CORPORATION warrants that its COBRA FRS Radios, and the component parts thereof, will be free of defects in workmanship and materials for 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 FRS 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.

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.

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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.



(1) NiMH Rechargeable Battery Pack High performance Nickel Metal Hydride battery pack for multiple recharging FA-BP



Ear Bud Mic with PTT Integrated speaker/mic adapter that fits in your ear. Includes shirt clip. MA-EBM \$29.95



VOX (Voice Operated Transmitter) adapter allows you hands-free operation. \$49.95 MA-VOX

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2 Port Desktop Charger Camouflage Cover Charges your MicroTalk Radio Carrying Case

\$24.95

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FA-CH

\$29.95

and (1) ŃiCad battery pack

Lapel Microphone

connection.

CA-40

**Optional Accesories** 

Durable nylon case perfectly fits your MicroTalk radio FA-CC \$19.95 \$19.95



Replacement Belt Clip Remote microphone/speaker FA-BC \$4.95 \$25.95

You Can Find These Fine Accessories At Your Local Cobra Dealer If you wish, you can order directly from Cobra.

Order by phone Call 1.773.889.3087 (Press 1 from the main menu) 8 a.m.-8 p.m. M-F CST.)

Order by mail or fax Please fill out order form on next page, and mail/fax directly to Cobra.

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### Accessory Order Form

Item #	Description	Cost Ea	. Qty.	Amount
FA-BP	NiMH Rechargeable Battery Pa	ck \$29.95		
MA-EBM	Ear Bud Mic with PTT	\$29.95		
MA-VOX	Vox Mic	\$49.95		
FA-CH	2 Port Desktop Charger	\$24.95		
CA-40	Lapel Microphone	\$25.95		
FA-CC	Camouflage Cover Carrying Case	\$19.95		
FA-BC	Replacement Belt Clip	\$4.95		
rices subjec	t to change without notice.	Subtotal		
ax Table		(Tax if app	licable)	
	ts add .75% (7.75% total)	Shipping/	nandling	\$4.00
icago resident diana resident	s add 1% (8.75% total)	Total	5	
isconsin reside or credit ca	nts add 5% rd orders fill out order x to:1.773.622.2269	Make check or money o payable to:	der (no st	amps)
orm and fa r call 1.773 Press 1 fror 1:00 am - 8 Please p	rd orders fill out order x to:1.773.622.2269 .889.3087 the main menu) .00 pm,M-F, CSI. rrint clearly	payable to: Cobra Accessories Dept. 6500 West Cortland St. C	·	17
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