Desk which can assist

ugh this same number 'by, CST, uked Questions (FAQ) section Ocobraelet.com

rst before sending your unit in.

ecessary to furnish the follow-

t as a mechanical reproduction to be returned.

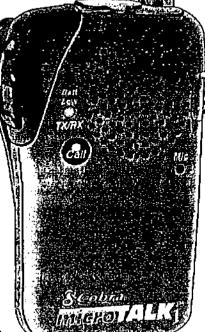
a typed or clearly print name

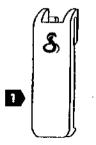
e original packing material. Ited Parcel Service (UPS) or First Efectronics Corporation, 6500

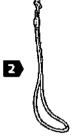
repaired or exchanged s before contacting us for ant informing you of the ease call 1.773.889,3087 for Operating Instructions for your Cobra MircoTalk FRS 100 A

Family Radio Service

2 Way Radio







The Family Radio Service Story

Ever wish you could talk to someone who wasn's within earshot? Like contacting ski partners back at the lodge? Or letting a friend know how to fin you in a busy mall? Cobra's MicroTalk FRS 100 is great way for friends or family to increase their fun-and safety-by staying in touch while on the quantum staying in touch while on the quantum staying in the safety-by stayin

The FCC (Federal Communications Commission) has created 14 license free frequency bands, or channels, called Family Radio Service (FRS) frequencies. Two of these 14 channels (channel 8 and 13) 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

Adjustment, replacement or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommende 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 c the Rules.

Included with your MicroTalk

Removable Belt Clip

Wrist Strap



"Ingenious Products for Easier Communication."

A1

Controls and Indicators

Retractable Antenna

2 Belt Clip

3. On/Off Volume Control

4. Microphone Jack

5. Speaker Jack

Battery Charge Pads

7 TX (talk)/Batt Low (batteries are low) Indicator

8. Call/Ring Button

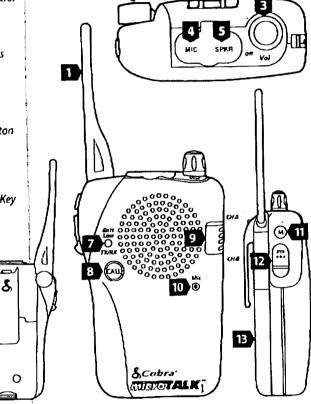
9. Channel Select Button

Microphone

Moximum Range Extender Button

PTT (Push To Talk) Key

Battery Chamber



Thank you for purchasing the Cobra FRS 100 2-way Radio. Properly used, this Cobra product will give you many years of reliable service.

Customer Support

Should you encounter any problems with the product or not understand its many features, please refer to this owner's manual. If, after referring to the manual, you still need help, call Cobra Customer Service at 773.889.3087.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Cabra Customer Service

Live operators are available M-F 8:00 am - 8:00 pm CST at: 773.889.3087

Automated Technical Assistance available 24 hours a day, seven days a week.

E-mail questions to: productinfo@cobraelec.com

Cobra on the World Wide Web: Frequently Asked Questions

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

Included Accessorie

Controls & Indicator: ROur Thanks to You....

Customer Support.

Operating your Micr Education Battery Installation.

Turning On.....

Auto Squelch 🗜

Maximum Range E: m Select Channel m

Auto Battery Save...

Calling Another Par

Talking To Another Z

Talk Confirmation 1 ○ Listening For Anotl □

MicroTalk Range

Making Life Easier

External Micropho

Frequency Ranges

Caring for Your Mici

MicroTalk Specifica

Limited Two Year W

Optional Accessorie

Order Form

If You Think You Ne

A3

A2

How to Use Your Cobra microtalKi 2-Way Radio

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Talk Confirmation Tone	88
Listening For Another Party	
MicroTalk Range	
Making Life Easier And Safer	
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Frequency Ranges	
Caring for Your MicroTalk	14
MicroTalk Specifications	
Limited Two Year Warranty	
Optional Accessories	
Order Form	
If You Think You Need Service	Back Cover

Features of This Product

- UHF FM Frequencies
- · No License Required
- · No Air Time Fees
- Up To 2 Mile Range
- 2 User Selectable Channels
- · Talk Confirmation Tone
- Call/Ring Button
- · Recharging Pads
- Retractable Antenna
- · Battery Saver Circuity
- Auto Squelch
- Wrist Strap/Belt Clip

99%

P.05

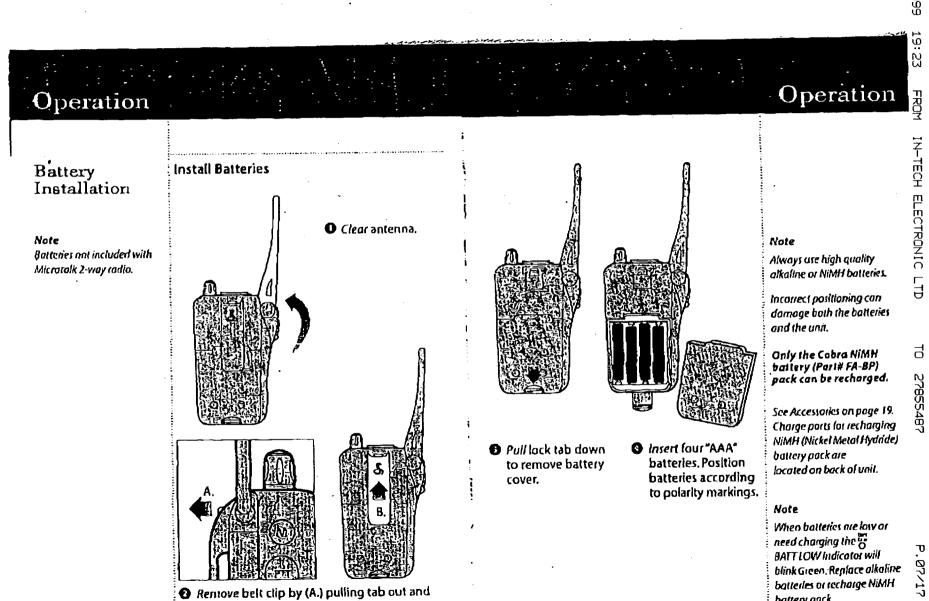
26-MAR-1999

19:17

battery pack.

20-MAR-1999 06:14





(B.) Sliding belt clip up and off unit.

86:14

ELECTRONIC

Operation

Tilrning On Your

MicroTalk

Nate Whenever the unit is on you can receive communications.

Auto Squelch

Maximum Range Extender

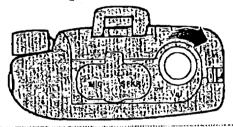
Note

To learn more about the range of your MicroTalk, see page 9.

Range is dependent on battery condition and geographic territory.

Turning On Your MicroTalk

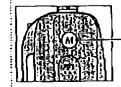
Rotate ON - OFF Volume Control Oclockwise. An audible "tone" will indicate the unit is on and the O TX/RX indicator on the front of the unit will illuminate green.



Auto Squelch

Your MicroTalk is equipped with Auto Squeich, which automatically shuts off weak transmissions and unwanted noise due to terrain conditions or if you have reached your range limit.

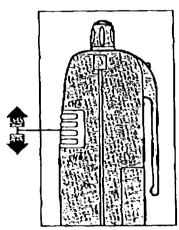
Maximum Range Extender Auto squeich can be temporarily removed to allow all signals to enter by pressing the (M) M button (Maximum Range Extender).



 Push and hald the M M/RANGE **EXTENDER** button to allow all signals to enter.

Select Channel

■ Turn on the MicroTalk 2-Way Radio.



2 Select channel by moving the channel button up or down, Select either Channel A or B for optimum clarity.

Auto Baltery Save

Your FRS 100 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.

Select Channel

Note

Units must be an same channel to communicate. Choose Channel A or B.

Operation

Nate

You can also communicate with other 2-way radios (some have as many as fourteen channels).

Channel A = Channel 8 on other units

Frequency is 467.5625

Channel 8 = Channel 12 on other units

Frequency is 467.6625

Auto Battery Save

Note

The Auto Battery Sove Cucuit does not effect the unit's ability to seceive incoming transmissions.

P. 07

20-MAR-1999

26:15

19:24

IN-TECH ELECTRONIC

Operation

Operation

Calling Another Party

Note

Units must be on same channel to communicate. Choose Channel A or B.

Note

You can also communicate with other 2-way FHS ractios (same have as many as fourteen channels) like the MicroTalk 250 or 300.

Channel A = Channel 8 on other units

Frequency is 467.5625

frequency is 467.6625

Channel 8 = Channel 12 on other units

upright position.

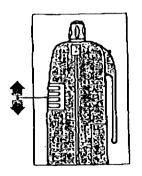
Calling Another Party To alert another party that you wish to communicate:



• Turn on your MicroTalk 2-way radio. An audible "tone" will indicate the unit is on and the TX/RX Indicator on the front of the unit will illuminate green.



• Place antenna in full



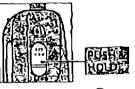
 Select Channel A or Channel 8 by moving the CHANNEL button up or down.



2 Push and release CALL button. The unit you are calling will hear a two second ring/tone.

Talking To Another Party

To send your outgoing message:



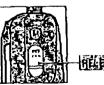
 Push and hold PTT button.



4 Hold mic about 2 inches from mouth. Speak In a normal voice.



The OTX/AX indicator will illuminate red.



● Release PTT button and listen for response.

Note

Your incoming 'Call' signal level is dependent on your unit valume setting.

Talking To Another Party

Nate

While PTT button is depressed you cannot receive incoming calls.

852

2191

7788

20-MAR-1999

79<u>4</u>

1930

26-MAR-1999

Operation A.

Operation

MicroTalk

Range

Talk Confirmation Tone

Talk Confirmation Tone



Your listener will hear an audible tone when you release the PTT button.

This alerts the other party that you are finished talking and it's OK for them to begin talking.

some conditions.

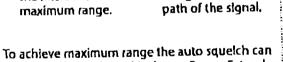


MicroTalk Range

Your MicroTalk Radlo has a range of up to 2 miles.

This effective range can be shortened under

1. Under flat, open conditions you will experience the MicroTalk's maximum range.



2. Range can be

reduced by

buildings and

foliage in the



3. Range will be further reduced by dense foliage and hilly terrain.

Listening For Another Party

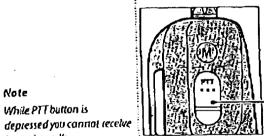
Note

While PTT button is

incoming cells.

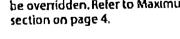
Listening For Another Party

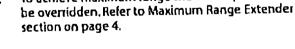
When finished talking:



 Release PTT button to receive incoming transmissions.

Your MicroTalk is always in listening mode when the PTT button is not pressed.







P. 09

26:15

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19:25

Making Life Easier and Safer

MicroTalk 2-Way Radio Can Make Life Easier and Safer

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:



Talking with fellow hikers.



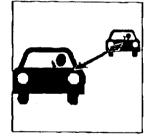
2. Keeping track of the kids in a shopping mall,



3. Communicating between basement and first, second or third floor.



4. Talking to a neighbor or a friend.



5. Checking on traveling companions in another car,



6. Agree on a meeting spot after an event.

10

20-MAR-1999

Ø6:16

External Microphone/Speaker Jack

Frequency Range

External Microphone/ Speaker Jack

External microphone/
speaker is not included with

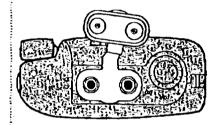
the unit. See Accessories on page 19 for available units.

Note

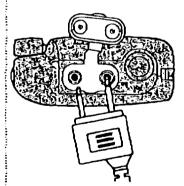
External Microphone/Speaker Jack

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:



Open MIC/SPKR tab on top of unit.



1 Insert jack into the MIC/SPKR ports.

The MicroTalk unit represents one of the most advanced FM two-way radios used.

	FRS Channel	Channe) Frequency In MHz
A	8	467.5625
В	12	467.6625

Frequency Ranges

12

B

. 12

5

794

1930

Caring for Your microTALK; Radio

Caring for Your MicroTalk Radio

Note

Modifying or tampering with the radios internal components can cause mallunction and will invalidate the wattonly. If your radio is not performing as it should, please call Cabra at 773.889.3087.Do not return the unit to the tetoiles.

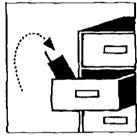
Caring for Your MicroTalk Radio

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 moist place.



4. Avoid exposure to extreme temperatures.

Ø6:16

794 1930

P. 13

microTALK; Specifications

microTALK Specifications

I. GENERAL SPECIFICATIONS

A. FARQUENCY

CH=2 CHANNELS: 467.5625 CH8 and 467,6625 Mhz CH12

BL RECEIVER		
	UNIT	NOMMAL
1, SENSITIVITY		
FOR 12 08 SINAD	ú٧	0.25
FOR CALL SIG. DETECTION	υ¥	0.2
2. MAX.AUDIO OUTPUS @10% THD	WW	100
3. MAX.5/N PATIO & ImV RF INPUT	¢B	45
4. SQUELCH		
a) SENS.	υV	0, 2
b) ATTACKTIME	mS	120
CLOSHIGTIME	m\$	200
5. AUDIO FREQUENCY RESP.		

at treme trederites realis			
@ 30011Z	¢Æ	-6	
© 1000 HZ	60	-6	
6, SIGNAL DISPLACEMENT BY	+/-KHC	2 \$	
7. ADJACENT CH. REJECTION	ďB	55	
B. WITERMODULATION REJECTION	æ	55	
9. SPURIOUS RESPONSE REJECTION	ď8	65	

C. TRANSMITTER	nsu.	HOWENAL	
I. EFFECTIVE RADIATED POWER	m/V	100	
2. CARRIER FREQ. STABILITY	ĦŁ	500	
). ASODUS ASION LIASSINA	KHr	30	
A CARRIER ATTACKTURE	ro S	80	
	UIII	MOSNINAT	
5. AUDIO FREQUENCY,RESPONSE © 300 HZ © 3000 HZ	69 60	*	
6. AUDIO DISTORTION	96)	
7. HUIKNOISE	ф	45	
 PRANSERT FREQ.BEHAVIOR TX OFF 	mS ms	30 5	
O. POVIER SUPPLY			

(OITAR BELL) 34U YRTTTAB.1. 2. BATTTAB.3.

LECTRONIC

Limited Two Year Warranty

Optional Accessories



Cabra Electronics Corporation 6500 West Coilland Street Chicago, Illinois 60707

COBRA ELECTRONICS CORPORATION wairants that its COBRA 2-Way 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 2-Way FAS 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 slupping 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.

All implied warrantles, including warrantles 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 I Actal Hydride battery pack for multinic recharaina FA-HP \$29.95



2 Post Desktop Charges

Charges your MicroTalk Radio and (1) NiMH battery pack FA-CH



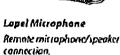
Campullage Cover Carryina Case

Durable nylon case nerlocily fits your FRS radio FA-CC \$19.95



Ear Bud Mic with PTT

truegrated speaker/mic adapter that fits in your ear, includes thirt (lo. 1/A-CBY \$29.95



CA-40





You Can Find These Fine Accessories At Your Local Cobra

If you wish, you can order directly from Cobra.

Order by phone Call 1.773.889,3087 (Press 1 from the main menu) B 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.



Vox Mic

VOX (Voice Operated Transmitted adopter allows you hands-free operation. MA-VOX

\$49.95

Accessory Order Form

Item #	Description	Cost Ea.	Qty.	IKUOMA
FA-BP	NEWH Rechargeable Barrery Pack	529.95		
MA-EBM	Ear Bur Mic With PTT	\$29.95		
MA-YOX	Vox MIC	549.95		
FA-CH	2 Port Desktop Charger	529.95		
CA-10	Lapel Microphene	\$25.95		
FA-CC	Communitage Cover Corrying Case	519.75		
FA-BC	Replacement Bels Clip	54.95		
-	ct to change without notice.	Subtotal	an Lini	
har Tijvle Uinnis resident Laut La nesiden Oskogo residen	2 201 7점 12 200 27점 (? 25억 학(원) 12 300 23건 학(원) 학(원)	(Tax if appli Shipping/hi Total		54,00

insane residents and SM.
Insane residents and SM.
Michigan residents and SM.
Missource residents and SM.
Office residents and SM.
Wiscomic residents and SM.

Make check or money order (no stamps) payable to: Cobra Accessories Dept. 6500 West Cordand St. Chicago, IL 60707

For credit card orders fill out order form and faw to: 1.773.622.2269 or call 1.773.689.3087 (Press 1 from the main menu) 8:00 am - 8:00 pm, M-F. CST.

Please print clearly

Address (No P.O. Box)_

State. City . Zip

Telephone (___).

Exp. Date_ Credit Card Na. Customer Signature __

Circle One: Visa MasterCard Discover

Allow 4 to 6 weeks for delivery. Offer valid in Continental U.S. only.

20

P.15

P.16

99%

§Cobra®

Cobra Electronics Corporation 6500 West Cordand Street Chicago, IL 60707

If You Think You Need Service

For rechnical assistance, please call our Automated Help Desk which can assist you by answering the most frequently asked questions about Cobre products.

(773) 889-3087

24 hours a day, 7 days a week.

A Consumer Service Representative can be reached through this some number 8:00 am - 8:00 pm, Monday through Friday, CST.

Technical assistance is also available on-line in the Frequently Asked Questions (FAQ) section at www.cobroelec.com or by e-mail to productinfo@cobroelec.com

If you think you need service cell 1.773.889,3087

"If your product should require factory service please call Cobra first before sending your unit in. This will ensure the fastest turn-around time on your repoir."

You may be asked to send your unit to the Cobra factory, it will be necessary to furnish the following in order to have the product serviced and returned.

- 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.
- Z Send the entire product
- 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.
- 4. Pack unit securely to prevent damage in transic if possible, use the original packing material.
- 5. Ship prepald and insured by way of a traceable carrier such as United Parcel Service (UPS) or First Class Maik to avoid loss in transit to: Cobra Factory Service, Cobra Electronics Corporation, 6500 W. Cordand St., Chicago, IL 60707.
- 6. 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 assistance.

99%

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Part No. 430-278-P-001

Part No.: 937442

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