

HH 37 ST
The CB Story

Cobra Electronics Corporation
6500 West Cortland Street
Chicago, IL 60707

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.
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 available 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 factory service please call Cobra first before sending your unit in. This will ensure the fastest turn-around time on your repair"

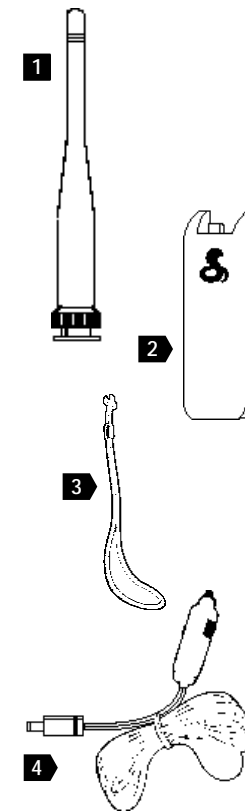
You may be asked to send your unit to the Cobra factory. It will be necessary to furnish the following in order to have the product serviced and returned.

1. For Warranty Repair include some form of proof-of-purchase, such as a mechanical reproduction or carbon or 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 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 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 W. Cortland 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.

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**Operating Instructions
for your Cobra HH 37 ST**
**Citizens Band
2-Way Handheld
CB Radio**


"Ingenious Products for Easier Communication."



The Citizens Band lies between the shortwave broadcast and 10-meter Amateur radio bands and was established by law in 1949. The Class D two-way communications service was opened in 1959.

FCC Regulations

FCC regulations permit only "transmissions" (one party to another) rather than "broadcasts" (to a wide audience). Advertising is not allowed on CB Channels because it is considered "broadcasting."

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.

Citizens Band (CB) Radio operators are not required to obtain an FCC license to operate their CB equipment or provide station identification.

Nevertheless, an operator of a CB radio station is still required to comply with the communications act and with the rules of CB Radio Operation.

What's Included with Your HH 37 ST

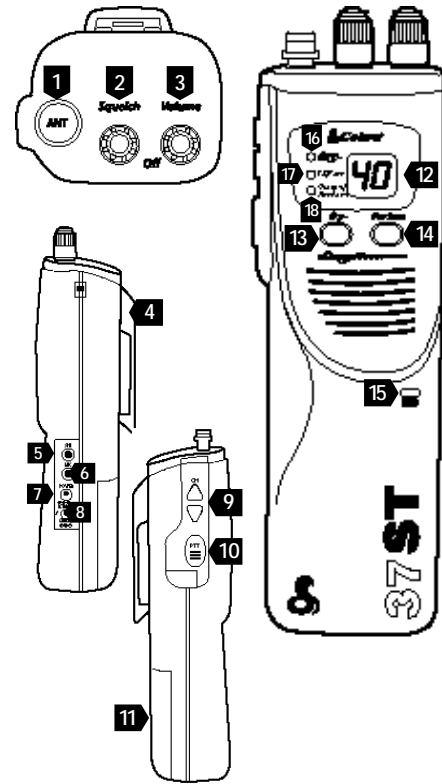
1. High Efficiency Antenna
2. Removable Belt Clip
3. Wrist Strap
4. 12 Volt Cigarette Lighter Plug

A1

Controls and Indicators

Our Thanks to You

1. BNC Antenna Connector
2. Squelch Control
3. On/Off Volume Control
4. Removable Belt Clip
5. External Speaker Jack
6. External Microphone Jack
7. 12 Volt DC Power Jack
8. NiCad Battery Charge Jack
9. Channel Up/Down Key
10. PTT (Push To Talk) Key
11. Battery Chamber
12. LED Channel Display
13. SoundTracker™ Key
14. Power Save Key
15. Microphone
16. SoundTracker™ LED
17. TX (transmit)/ Batt (battery low) LED
18. Battery Charge/ Power Save LED



Thank you for purchasing the Cobra HH 37 ST handheld CB. Properly used, this Cobra product will give you many years of reliable service.

SoundTracker™

"Cuts noise coming in...strengthens signals going out."

This Patent pending technology dramatically improves transmission and reception of CB signals.

The revolutionary SoundTracker™ System reconfigures the transmission signal which allows it to be transferred more efficiently through cluttered airwaves.

At the same time, it significantly reduces the amount of static on all incoming CB signals.

The end result is a cleaner, clearer sounding reception of signals and a more powerful transmission which dramatically improves CB communications.

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.

Cobra 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 (FAQ)
can be found on-line at:
www.cobraelec.com

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A3

How to Use Your Cobra HH 37 ST

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Features of This Product

- SoundTracker™ System
- 40 CB Channels
- Full 4 Watt RF Power
- Power Saver (HI/LOW)
- LED Channel Display
- High Efficiency Flexible Antenna
- External Speaker/
Microphone Jack
- NiCad Battery Charge Jack
- TX Transmit Indicator
- Omni Directional Microphone

Operation

Operation

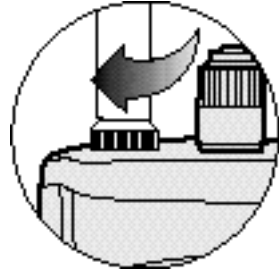
Attach Antenna

Attach Antenna

1 Insert.

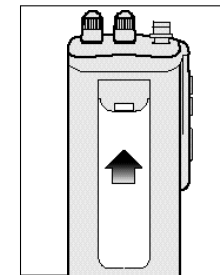


2 Turn clockwise.

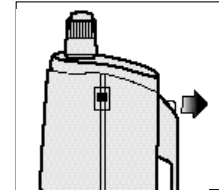


2

Attach Belt Clip



1 Slide belt clip up on rails of base until tab locks.



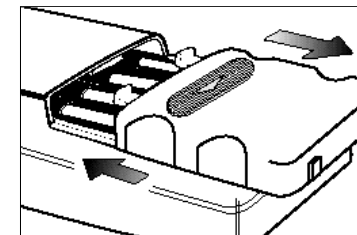
2 To remove belt clip, lift tab out and slide belt clip down.

Attach Belt Clip

Note

Clip slides up to attach and slides down to remove.

Install Batteries



- 1 Remove battery chamber cover.
- 2 Install batteries by polarity markings.
- 3 Replace cover.

Battery Installation

Note

Ignoring polarity markings can cause damage to both the unit and the batteries.

The HH 37 ST requires 9AA alkaline or NiCad batteries (not included with the unit).

When batteries are low or need charging the TX/Batt LED will remain on. Replace alkaline batteries or recharge NiCad batteries.

3

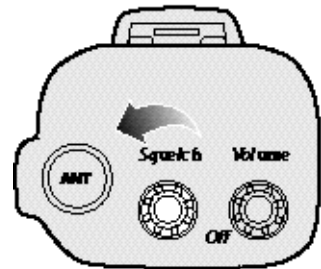
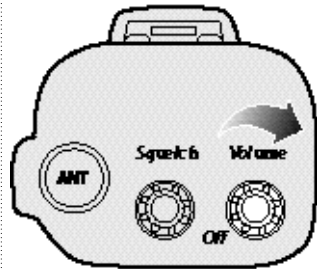
Operation

Operation

Turning On

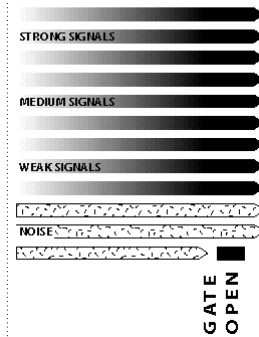
Turning On

Rotate ON - OFF Volume Control clockwise.



3 Fully counter-clockwise opens the "gate" and all signals enter.

Gate open

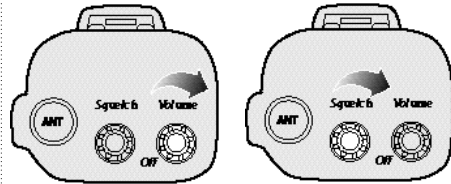
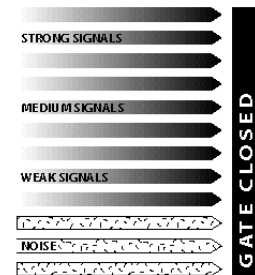


Setting Squelch

Setting Squelch

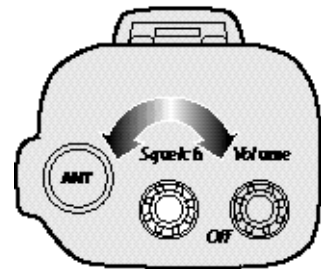
Squelch is the "control gate" for incoming signals.

Gate closed



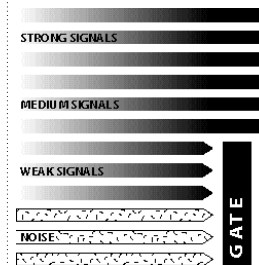
1 Turn volume up louder than normal.

2 Fully clockwise closes the "gate," allowing no incoming signals.



4 To achieve the Desired Squelch Setting (DSS), turn the Squelch control counter-clockwise until you hear noise. Now turn the control clockwise just until the noise stops. This is the DSS setting and only strong signals will enter.

Gate set to Desired Squelch Setting (DSS)



Operation

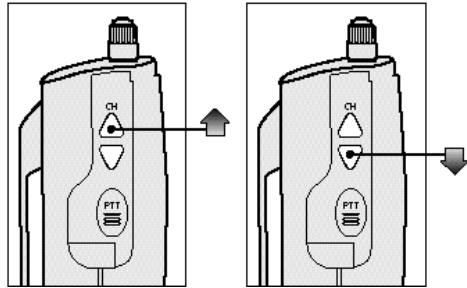
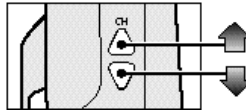
Operation

Select Channel

Select Channel

- 1 Turn power ON.
- 2 For higher channel, push UP arrow key.
- 3 For lower Channel, push DOWN arrow key.

Note
For quick advance, push and hold arrow key(s).



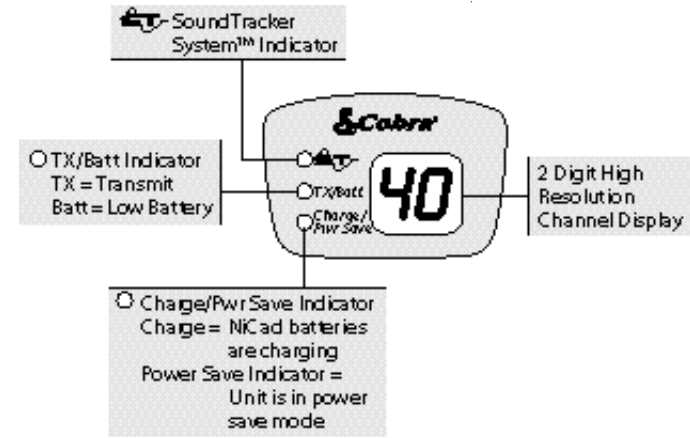
Note
When switching from one channel to another, squelch will need to be reset. See Setting Squelch on page 4.

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LED Display

All needed information is displayed.

LED Display



replacement.

Charge/Pwr Save Button

The Charge/Pwr Save LED will illuminate red when Power Save button is pushed or when charging NiCad batteries with charger plugged in.

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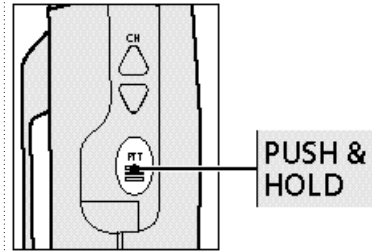
Operation

Operation

Transmit/Receive

Transmit/Receive

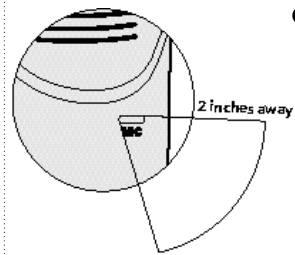
Note
While PTT button is pressed you cannot receive transmissions.



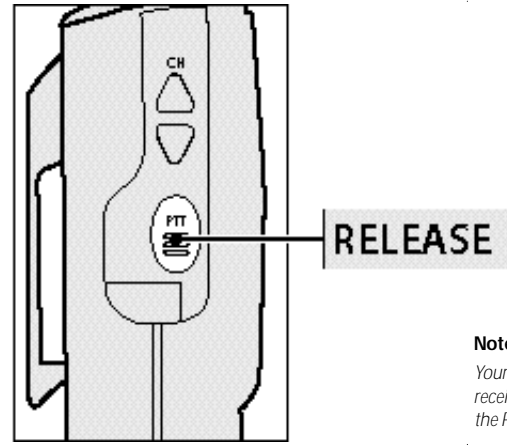
1 To transmit, push and hold PTT button.



2 TX/Batt (transmit) will illuminate red.



3 Hold mic about 2 inches from mouth. Speak in a normal voice.



4 Release PTT button to receive incoming transmissions.

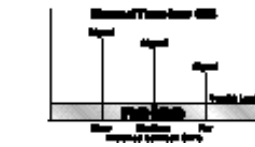
Note
Your HH 37 ST is always ready to receive incoming signals when the PTT button is released.

Operation

SOUNDTRACKER™ SYSTEM

Note

SoundTracker™ gives you clearer, cleaner reception to improve CB communications while on the air.



The SoundTracker™ System

While previous systems only “blanket out” or limit noise in higher sound frequencies, the revolutionary new SoundTracker™ System actually reduces noise while leaving the signal intact in the reception mode. In the transmission mode, it actually strengthens the signal, providing you with a significant reduction in noise on reception and transmission.

Sound clarity is measured by the ratio of the signal level to the noise level. The higher the signal-to-noise ratio, the better the sound.

How SoundTracker™ Works

On Reception - “Cuts noise coming in”

With a normal CB, distant signals fall below the squelch level and are unintelligible. With a SoundTracker™ CB, the noise level is cut up to 90%, which increases the signal-to-noise ratio and dramatically improves signal clarity. This also allows you to significantly reduce the squelch level, which greatly expands your listening range.

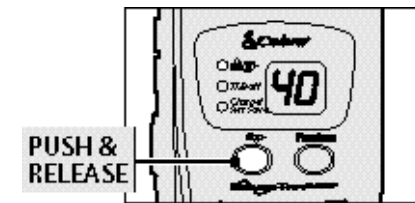
On Transmission - “Strengthens signals going out”


A SoundTracker™ CB strengthens the transmit signal by more effectively using the available RF power output of the CB. The result is improved transmission signal clarity and an expanded transmission range.

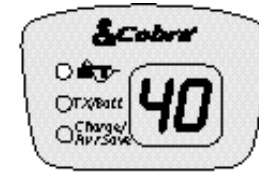
10

Operation

Activating SoundTracker™



- 1 Push and release the  ST key.



- 2 The SoundTracker™ LED will illuminate red.

Activating SoundTracker™

Note

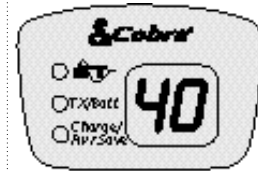
This engages the SoundTracker™ system and reduces the noise level.

11

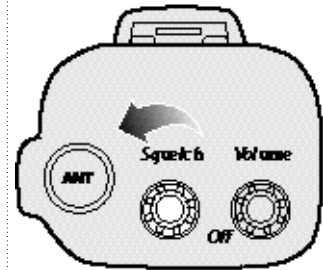
Operation

Testing SoundTracker™

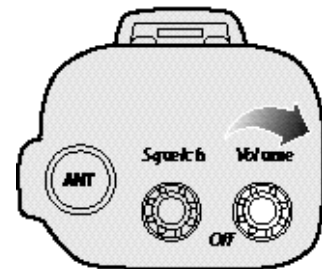
Testing SoundTracker™



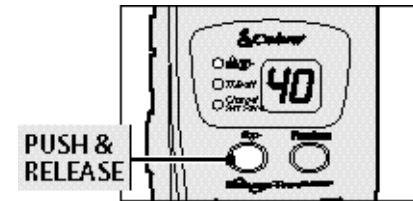
- 1 Select any unused channel on your CB.



- 2 Fully counter-clockwise opens the "gate" and all signals enter. Turn the knob until it stops.



- 3 Turn the volume up louder than your normal listening level.



- 4 Push and release the ST button.

The SOUNDTracker™ LED will illuminate red.
*Notice the significant reduction in noise.

- 5 To disengage SoundTracker™ push and release the ST button again.

Note

At times you may experience different levels of noise reduction. Different terrains and environments will effect the SoundTracker™ Systems performance.

Operation

In Vehicle Use

Note

Due to the characteristics of CB transmissions, it is necessary to use an external car roof antenna and a BNC adapter to receive optimal performance while in your vehicle. See Accessories section on page 23.

Note

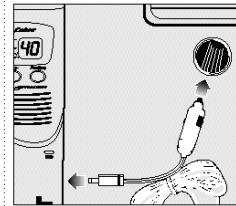
DC/Power Cord is provided.

Power Saver-HI/LOW

Note

Battery life is increased approximately 50% while in Battery Save LOW Mode. This reduces power output to 1 watt.

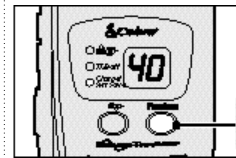
In Vehicle Use



The HH 37 ST can be connected to your cigarette lighter with the provided car cord. This power connection does NOT charge the batteries.

Power Saver-HI/LOW

Reduces the power to 1 watt. This does not decrease the unit's ability to receive but does reduce the transmitting range.



- 1 Push and release PWR Save button.

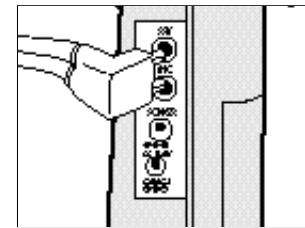


- 2 Power Save LED will illuminate.

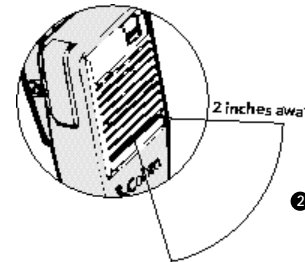
Operation

External Speaker/Microphone Jack

Your HH 37 ST can be fitted with an external speaker/microphone, (not included) freeing your hands for other tasks (like driving!).



- 1 Locate SPK/MIC jack on side of unit and insert plug.



- 2 Hold mic about 2 inches from mouth. Speak in a normal voice.

Note

External speaker/microphone is not included with this unit. See accessories on page 23 for available options.

How Your CB Can Serve You

How Your CB Can Serve You

A Few Rules You Should Know

- Warn of traffic problems
- Provide weather and road data
- Provide help in event of an emergency
- Provide direct contact with home or office
- Assist police by reporting erratic drivers
- Get "local information" to find destination
- Communicate with family and friends
- Suggest spots to eat and sleep
- Keep you alert while traveling

A Few Rules You Should Know

- Conversations cannot last more than 5 minutes with another station. A one minute break is required to let others use the channel.
- You cannot blast others off the air by use of illegally amplified transmitters or illegally high antennas.
- You cannot use CB to promote illegal activities.
- Profanity is not allowed.
- You may not transmit music with a CB.
- Selling of merchandise and/or services is prohibited.

Channel 9 Emergency Messages

Note

If no response on channel 9, try channels 19 or 14.

- Set to channel 9 for emergencies**
Be sure antenna is properly connected.

2. CB Distress Data

When transmitting an emergency, you should request a "REACT BASE" and provide the CB distress data (called CLIP):

- | | |
|-------------------|--------------------------------------|
| C all Sign | <i>Identify yourself.</i> |
| L ocation | <i>Be exact.</i> |
| I njuries | <i>Number. Type. Trapped?</i> |
| P roblem | <i>Give details and help needed.</i> |

Transmit CLIP repeatedly so any monitor can assist.

The FCC gives these examples of permitted and prohibited messages for channel 9. These are only guidelines and not all-inclusive:

Permitted	Example Message
Yes	"Tornado sighted six miles north of town."
No	"Post number 10. No tornado sighted."
Yes	"Out of gas on I-95 at mile marker 211."
No	"Out of gas in my driveway."
Yes	"Four car accident on I-94 at Exit 11. Send police and ambulance."
No	"Traffic moving smoothly on I-94."
Yes	"Weather Bureau has issued thunderstorm warning. Bring sailboat into port."
No	"Attention motorists. Weather Bureau advises snow tomorrow will accumulate 4 to 6 inches."
Yes	"Fire in building at 539 Main, Evanston."
No	"Halloween patrol number 3. All quiet."

How Your CB Can Serve You

How Your CB Can Serve You

CB 10-Codes

CB 10-Codes

Citizen Bands have adopted the "10-CODES" for standard questions and answers. These codes provide quick and easy communication, especially in noisy areas. Following are some of the more common codes and meanings:

Code Meaning

10-1	Receiving poorly
10-2	Receiving well
10-3	Stop transmitting
10-4	OK, message received
10-5	Relay message
10-6	Busy, stand by
10-7	Out of service, leaving
10-8	In service, subject to call
10-9	Repeat message
10-10	Transmission completed standing by
10-11	Talking too rapidly
10-12	Visitors present
10-13	Advise weather/roads
10-16	Make pick up at
10-17	Urgent business
10-18	Anything for us?
10-19	Return to base
10-20	My location is
10-21	Call by phone
10-22	Report in person to
10-23	Stand by
10-24	Completed last assignment
10-25	Can you contact
10-26	Disregard last info
10-27	Moving to channel
10-28	Identify your station

Code Meaning

10-29	Time is up for contact
10-30	Does not conform to FCC rules
10-33	Emergency traffic
10-34	Trouble at this station
10-35	Confidential information
10-36	Correct time is
10-37	Wrecker needed at
10-38	Ambulance needed
10-39	Message delivered
10-41	Turn to channel
10-42	Traffic accident at
10-43	Traffic tie up at
10-44	Have a message for
10-45	All units within range please report
10-50	Break channel
10-60	What is next message number?
10-62	Unable to copy. Use phone
10-63	Net directed to
10-64	Net clear
10-65	Awaiting your next message/assignment
10-67	All units comply
10-70	Fire at
10-71	Proceed, transmission in sequence
10-77	Negative contact
10-81	Reserve hotel room for
10-82	Reserve room for
10-85	My address is
10-91	Talk closer to mic
10-93	Check my frequency on this channel
10-94	Give me a long count
10-99	Mission completed, all units secure
10-200	Police needed at

Limited Two Year Warranty



Cobra Electronics Corporation

6500 West Cortland Street
Chicago, Illinois 60707

COBRA ELECTRONICS CORPORATION warrants that its COBRA CB 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 CB 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.

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.

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Optional Accessories



Ear Bud Mic with PTT

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

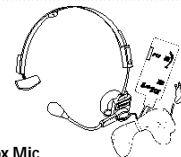


120 Volt A/C Wall Charger with Plug

Charges 9 Ni-Cad battery cells in 24 hours right in the unit.
CA-25 \$10.00

Magnetic Mount Weather Antenna

Allows greater transmission range while in a moving vehicle.
ATW-400 \$29.95



Vox Mic

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



Lapel Microphone

Remote microphone/speaker connection.
CA-40 \$25.95



BNC/SO239 Antenna Adapter

Allows connection of the 45 WX ST to standard antennas.
CA-43 \$5.95



(1) High Performance Ni-Cad Rechargeable Battery Cell

212-001-N-001 \$3.95 ea.



Long Range Antenna

Doubles the range of your HH 37 ST.
CA-41 \$25.95



Replacement Belt Clip

HA-BC \$4.95

You Can Find These Fine Accessories At Your Local Cobra CB 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.

23

Accessory Order Form

Item #	Description	Cost Ea.	Qty.	Amount
MA-EBM	Ear Bud Mic	\$29.95		
MA-VCK	Vox Mic	\$49.95		
212-001-N-001	(1) Ni-Cad Rechargeable Battery Cell	\$3.95		
HA-BC	Replacement Belt Clip	\$4.95		
CA-25	120 V A/C Wall Charger with Plug	\$10.00		
CA-40	Lapel Microphone	\$25.95		
CA-41	Long Range Antenna	\$25.95		
ATW-400	Magnetic Mount Weather Antenna	\$29.95		
CA-43	BNC/SO239 Antenna Adapter	\$5.95		

Prices subject to change without notice.

Subtotal	
(Tax if applicable)	
Shipping/handling	\$4.00
Total	

Tax Table
 Illinois residents add 7%
 Cook Co. residents add .75% (7.75% total)
 Chicago residents add 1% (8.75% total)
 Indiana residents add 5%
 Michigan residents add 4%
 Minnesota residents add 6%
 Ohio residents add 6%
 Wisconsin residents add 5%

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