Operating Instructions for your Cobra 25 NW LTD CLASSIC

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. (CB also includes a Class A citizens band and Class C remote control frequencies.)

**FCC Regulations**
FCC regulations permit only “transmissions” (one party to another) rather than “broadcasts” (to a wide audience). Thus, advertising is not allowed on CB Channels because that is “broadcasting.”

**FCC Warnings**
All transmitter adjustments other than those supplied by the manufacturer as front panel operating controls, must be made by, or under the supervision of, the holder of an FCC-issued General Radio-Telephone Operator’s License.

Replacement or substitution of transistors, regular diodes or other parts of a unique nature, with parts other than those recommended by Cobra, may cause violation of the technical regulations of Part 95 of the FCC Rules, or violation of Type Acceptance requirements of Part 2 of the Rules.

You should read and understand Part 95 (included with this unit) of the FCC Rules and Regulations, before operating your Cobra radio, even though the FCC no longer requires you to obtain an operator’s license.

**What’s Included with Your 25 NW**
1. CB transceiver  
2. Microphone  
3. Transceiver bracket  
4. Microphone bracket  
5. Operating Manual  
6. DC power cord  
7. FCC rules (not pictured)
Controls and Indicators

1. 4-Pin Microphone Connector
2. Power On/Off/Volume
3. Squelch
4. RF Gain/DynaMike
5. Dim
6. Channel Selector
7. LED Channel Display
8. RX (Receive)/TX (Transmit) LED Indicator
9. Channel 19/Channel 9/Normal Switch
10. CB/PA Switch
11. NB/Off Switch
12. ANL/Off Switch
13. Signal Strength Meter
14. Microphone

Back Side
15. Public Address Speaker Jack
16. External Speaker Jack
17. Antenna Connector
18. Power Jack
Thank you for purchasing the Cobra 25 NW CB 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.

Cobra Customer Service
Live operators are available M-F 8:00 am - 6:00 pm CST at: 773.889.3087

Automated Technical Assistance available 24 hours a day, seven days a week. E-mail questions to: productinfo@cobramicroelectronics.com

Cobra on the World Wide Web: Frequently Asked Questions (FAQ) can be found on-line at: www.cobramicroelectronics.com
How to Use Your Cobra 25 NW

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Features of This Product
• 40 CB Radio Channels
• Heavy-Duty Dynamic Microphone
• Full 4 Watts AM RF Power Output
• Instant Channel 19 and 9
• Front Panel 4-Pin Microphone Connector
• Switchable Noise Blanker
• Switchable Automatic Noise Limiter
• Adjustable Dynamike Boost
• Tactile Controls
• Illuminated Front Panel
• Dimmer Control
• RF Gain
• 9 ft. mic cord

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE REFER TO QUALIFIED SERVICE PERSONNEL.
Installation

Location

Plan location of transceiver and microphone bracket before starting the installation.

Select a location that is convenient for operation, yet does not interfere with the driver or passenger.

The transceiver is usually mounted to the underside of the dash with the microphone bracket beside it.

Mounting and Connection

Note
The transceiver is held in the universal mounting bracket by two thumbscrews which allow for adjustment at a convenient angle.

The bracket includes two self-tapping screws and star washers. The mounting must be mechanically strong, conveniently located.

1. Hold the radio with the mounting bracket in the exact desired location. If there is no interference, remove the bracket and use it as a template to mark the location for the mounting screws.

2. Drill the holes and secure the bracket.
3 Connect the antenna cable plug to the receptacle marked “ANT” on the back of the unit.
Note
Before installing the CB radio, visually check the vehicle’s battery connection to determine which terminal, positive or negative, is grounded (positive is the larger of the two) to the engine block (or chassis). A negatively grounded vehicle has its negative lead grounded to the chassis.

Note
Connecting to an accessory fuse prevents the unit from being left on accidentally, and also permits operating the unit without running the engine.

Note
In positive ground vehicles the red wire goes to the chassis and the black wire is connected to the ignition switch.

4 In a negative grounded vehicle, connect the red lead of the DC power cord to an accessory 12 volt fuse.

5 Connect the black lead to the negative side of the vehicle. This is usually the chassis. Any convenient location with a good electrical contact (remove paint) may be used.
6 Plug power cable into back of unit marked “Power”. Be sure to observe polarity markings.

7 Mount the microphone bracket on the right side of the unit (driver’s left) using two screws supplied. Bracket should be placed under the dash so microphone is readily accessible.

8 Attach the 4-pin microphone cable to receptacle on front of unit and install unit in bracket securely.
CB Antenna

Note
For optimum performance in passenger cars the ideal antenna location is on the center of the roof. Second choice is on the center of the trunk.

Note
Because many newer trucks feature fiberglass door skins, the outside mirror must be grounded to the chassis via a ground strap, if the antenna is mounted on the mirror bracket.

Note
3-way Combination Antennas are also available which allow operation of all three bands (AM-FM & CB), using a single antenna. However, this type of antenna usually results in less than normal transmit and receive range when compared to a standard-type “Single Band” CB antenna. Call 773.889.3087 for further information.

CB Antenna

Since the maximum allowable power output of the transmitter is limited by the FCC, the antenna is critical in affecting transmission distance. Only a properly matched antenna system will allow maximum power output. Cobra loaded type antenna models are highly recommended for most installations. Consult your Cobra dealer for further details, or call 773.889.3087 and speak to a Cobra representative.

A standard antenna connector is provided on the transceiver for easy connection.

Marine Installation

The transceiver will not operate at maximum efficiency in a boat without a ground plate, (unless it has a steel hull). Before attempting installation, consult your dealer for information regarding an adequate grounding system and prevention of electrolysis between fittings in the hull and water.
Use of a mobile receiver at low signal levels is normally limited by the presence of electrical noise. The primary source of noise in automobiles is from the alternator and ignition system. Typically, when signal level is adequate, the background noise does not present a serious problem. Also, when extremely low level signals are being received, the transceiver may be operated with the vehicle’s engine turned off. The unit requires very little current and therefore will not significantly discharge the vehicle’s battery.

Even though the Cobra 25 NW has an automatic noise limiter, in some installations ignition interference may be high enough to make good communications impossible. Many possibilities exist and variations between vehicles require different solutions. Consult your COBRA dealer or a 2-way radio technician for help in locating the source of a severe noise.
Operation

Turning On

Turning On
Make sure the power cord, antenna and microphone are connected to their proper connectors before starting.

1 The CB/PA button should be in the CB position.

2 Rotate the On/Off Volume knob clockwise to a normal listening level.
Operation

Setting Channel Selector

1. Select one of forty channels and adjust volume. The selected channel is indicated by the LED readout directly above the channel selector knob.
Operation

To Receive

Selecting A Channel

Note
Switch to 9 (Emergency) or 19 (Information) for instant access to these channels.

To Receive

1 Rotate the \( \text{On/Off Volume knob} \) clockwise the green RX/TX LED will be illuminated.

Selecting A Channel

1 Switch to \( \text{NOR} \) to select desired channel.
**S-Meter**

Swings proportionately to strength of incoming signal when receiving.
**Dimmer Control**

*Note*

The Dim controls the brightness of the front panel, signal strength meter and channel display.

1. *Rotate* the DIM knob clockwise for maximum brightness; counter-clockwise for minimum.

**RF Gain Control**

*Note*

The RF Gain is used to optimize reception in weak signal areas.

1. *Rotate* the RF Gain knob *counterclockwise* to reduce gain in strong signal areas. In weak signal areas turn *clockwise* to increase gain.
Setting Squelch

Squelch is the “control gate” for incoming signals.

1. Full clockwise rotation closes the gate allowing only very strong signals to enter.

2. Full counterclockwise rotation opens the “gate” allowing all signals in.
To achieve the Desired Squelch Setting (DSS), turn the Squelch control **counterclockwise** until you hear noise. Now turn the control **clockwise** just until the noise stops. This is the DSS setting.
To Transmit

Caution!

Be sure the antenna is properly connected to the radio before transmitting. Prolonged transmitting without an antenna, or a poorly matched antenna, could cause damage to the transmitter.

Be sure to read the F.C.C. Rules and Regulations included with this unit before transmitting.

1 Select desired channel.
Operation

Setting Dynamike

This controls the microphone sensitivity (outgoing audio level).

1 Initially, set fully clockwise so that maximum voice volume is available. Dynamike may have to be reduced in some conditions.
Operation

Transmit

1. Push and hold mic button to transmit. Transmitter is now activated. When transmitting, hold the microphone two inches from your mouth and speak in a clear, normal voice. Release to receive.

RF Meter

This meter swings proportionately to the RF output (outgoing signal) while transmitting.
Operation

External Speaker

Note
The external speaker should have 8-ohm impedance and be rated to handle at least 4.0 watts. When the external speaker is plugged in, the internal speaker is automatically disconnected.

Note
Cobra external speakers are rated at 15 watts. See accessories page 33.

External Speaker
The external Speaker jack is used for remote receiver monitoring.

1. Connect an external speaker to the external speaker jack on the rear panel.
**PA (Public Address)**

1. Connect an external PA speaker to the PA jack on the rear panel.

   - **Note**
     Speaker should have 8-ohm impedance and be rated to handle at least 4.0 watts.

   - **Note**
     The speaker should be directed away from the microphone to prevent acoustic feedback.

   - **Note**
     Activity on the CB channel will be heard through the PA speaker. Adjust Volume Control for normal listening level.

2. Set CB PA switch to PA position.
3. **Push and hold** microphone button and speak in a normal voice. Your voice will sound on the PA speaker.

4. Adjust PA speaker volume with the Dynamike control.
Operation

ANL (Automatic Noise Limiter) Switch

When switched to \( \text{ANL} \) the Automatic Noise Limiter is activated. This helps reduce noise created by the vehicle’s electronics.

NB, OFF (Noise Blanker) Switch

When switched to \( \text{NB} \) position the RF Noise Blanker is activated, providing increased noise filtration.
When switched to \( \text{OFF} \) position Noise Blanking Filtration will be turned off.

Note

The RF noise blanker is very effective in reducing repetitive noises such as ignition interference.
Temporary Mobile Operation

For temporary mobile operation you may want to purchase an optional cigarette lighter adapter from your COBRA dealer. This adapter and a magnetic mount antenna allow you to quickly “install” your transceiver for temporary use.
Base Station Operation (From 120V AC House Current)

To operate your transceiver from home or office you will need a 13.8 volt DC Power Pack rated at a minimum of 2 amps, and a properly installed base station antenna.

1 Simply connect the red (+) and black (-) leads of the transceiver to the corresponding terminals of the power pack.

Warning!
Do not attempt to operate this transceiver by connecting it directly to 120 vac.

Note
For further information call Cobra Customer Service 1.773.889.3087.
Home And Office Set-Up

2. Plug power cable into back of unit marked “Power.” Be sure to observe polarity markings.

3. Connect properly installed and matched base station antenna.
How Your CB Can Serve You

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

1. 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  Identify yourself.
   L  ocation  Be exact.
   I  njuries  Number. Type. Trapped?
   P  roblem  Give details and help needed.

   Transmit CLIP repeatedly so any monitor can assist.

A Few Rules
You Should
Know

Channel 9
Emergency
Messages

Note
If no response on channel 9, try channels 19 or 14.
The FCC gives these examples of permitted and prohibited messages for channel 9. These are only guidelines and not all-inclusive:

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

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-29</td>
<td>Time is up for contact</td>
</tr>
<tr>
<td>10-30</td>
<td>Does not conform to FCC rules</td>
</tr>
<tr>
<td>10-33</td>
<td>Emergency traffic</td>
</tr>
<tr>
<td>10-34</td>
<td>Trouble at this station</td>
</tr>
<tr>
<td>10-35</td>
<td>Confidential information</td>
</tr>
<tr>
<td>10-36</td>
<td>Correct time is</td>
</tr>
<tr>
<td>10-37</td>
<td>Wrecker needed at</td>
</tr>
<tr>
<td>10-38</td>
<td>Ambulance needed</td>
</tr>
<tr>
<td>10-39</td>
<td>Message delivered</td>
</tr>
<tr>
<td>10-41</td>
<td>Turn to channel</td>
</tr>
<tr>
<td>10-42</td>
<td>Traffic accident at</td>
</tr>
<tr>
<td>10-43</td>
<td>Traffic tie up at</td>
</tr>
<tr>
<td>10-44</td>
<td>Have a message for</td>
</tr>
<tr>
<td>10-45</td>
<td>All units within range please report</td>
</tr>
<tr>
<td>10-50</td>
<td>Break channel</td>
</tr>
<tr>
<td>10-60</td>
<td>What is next message number?</td>
</tr>
<tr>
<td>10-62</td>
<td>Unable to copy. Use phone</td>
</tr>
<tr>
<td>10-63</td>
<td>Net directed to</td>
</tr>
<tr>
<td>10-64</td>
<td>Net clear</td>
</tr>
<tr>
<td>10-65</td>
<td>Awaiting your next message/assignment</td>
</tr>
<tr>
<td>10-67</td>
<td>All units comply</td>
</tr>
<tr>
<td>10-70</td>
<td>Fire at</td>
</tr>
<tr>
<td>10-71</td>
<td>Proceed, transmission in sequence</td>
</tr>
<tr>
<td>10-77</td>
<td>Negative contact</td>
</tr>
<tr>
<td>10-81</td>
<td>Reserve hotel room for</td>
</tr>
<tr>
<td>10-82</td>
<td>Reserve room for</td>
</tr>
<tr>
<td>10-85</td>
<td>My address is</td>
</tr>
<tr>
<td>10-91</td>
<td>Talk closer to mic</td>
</tr>
<tr>
<td>10-93</td>
<td>Check my frequency on this channel</td>
</tr>
<tr>
<td>10-94</td>
<td>Give me a long count</td>
</tr>
<tr>
<td>10-99</td>
<td>Mission completed, all units secure</td>
</tr>
<tr>
<td>10-200</td>
<td>Police needed at</td>
</tr>
</tbody>
</table>
The COBRA 25 NW transceiver represents one of the most advanced AM two-way radios used as a Class D station in the Citizens Radio Service. This unit features advanced Phase Lock Loop (PLL) circuitry providing complete coverage of all 40 CB channels.

<table>
<thead>
<tr>
<th>CB Channel</th>
<th>Channel Freq. in MHz</th>
<th>CB Channel</th>
<th>Channel Freq. in MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>26.965</td>
<td>21</td>
<td>27.215</td>
</tr>
<tr>
<td>2</td>
<td>26.975</td>
<td>22</td>
<td>27.225</td>
</tr>
<tr>
<td>3</td>
<td>26.985</td>
<td>23</td>
<td>27.255</td>
</tr>
<tr>
<td>4</td>
<td>27.005</td>
<td>24</td>
<td>27.235</td>
</tr>
<tr>
<td>5</td>
<td>27.015</td>
<td>25</td>
<td>27.245</td>
</tr>
<tr>
<td>6</td>
<td>27.025</td>
<td>26</td>
<td>27.265</td>
</tr>
<tr>
<td>7</td>
<td>27.035</td>
<td>27</td>
<td>27.275</td>
</tr>
<tr>
<td>8</td>
<td>27.055</td>
<td>28</td>
<td>27.285</td>
</tr>
<tr>
<td>9</td>
<td>27.065</td>
<td>29</td>
<td>27.295</td>
</tr>
<tr>
<td>10</td>
<td>27.075</td>
<td>30</td>
<td>27.305</td>
</tr>
<tr>
<td>11</td>
<td>27.085</td>
<td>31</td>
<td>27.315</td>
</tr>
<tr>
<td>12</td>
<td>27.105</td>
<td>32</td>
<td>27.325</td>
</tr>
<tr>
<td>13</td>
<td>27.115</td>
<td>33</td>
<td>27.335</td>
</tr>
<tr>
<td>14</td>
<td>27.125</td>
<td>34</td>
<td>27.345</td>
</tr>
<tr>
<td>15</td>
<td>27.135</td>
<td>35</td>
<td>27.355</td>
</tr>
<tr>
<td>16</td>
<td>27.155</td>
<td>36</td>
<td>27.365</td>
</tr>
<tr>
<td>17</td>
<td>27.165</td>
<td>37</td>
<td>27.375</td>
</tr>
<tr>
<td>18</td>
<td>27.175</td>
<td>38</td>
<td>27.385</td>
</tr>
<tr>
<td>19</td>
<td>27.185</td>
<td>39</td>
<td>27.395</td>
</tr>
<tr>
<td>20</td>
<td>27.205</td>
<td>40</td>
<td>27.405</td>
</tr>
</tbody>
</table>
### GENERAL

- **Channel**
  - CB - 40 CH
- **Frequency Range**
  - CB - 26.965 TO 27.405 MHZ
- **Frequency Tolerance**
  - 0.005 %
- **Frequency Control**
  - PLL (Phase Lock Loop) Synthesizer
- **Operating Temperature Range**
  - -30° C TO + 50° C
- **Microphone**
  - Plug-in Dynamic
- **Input Voltage**
  - 13.8VDC nom. (positive or negative ground)
- **Current Drain**
  - Transmit: AM FULL MOD., 1.5A (Maximum)
  - Receive: SQUELCHED, 0.3A;
  - FULL AUDIO OUTPUT, 1.2A (Nominal)
- **Size**
  - 8-5/8” D X 6-3/8” W X 2-13/64” H
- **Weight**
  - 4 LBS.
- **Antenna Connector**
  - UHF; SO-239
- **Meter**
  - Illuminated; indicates relative power output and received signal strength

### Transmitter

- **Power Output**
  - 4 WATTS
- **Modulation**
  - AM (Amplitude Modulation)
- **Frequency Response**
  - 300 TO 3000 HZ
- **Output Impedance**
  - 50 OHMS, UNBALANCED

### Receiver

- **Sensitivity**
  - LESS THAN 1 µV FOR 10dB (S+N)/N
- **Selectivity**
  - 6 db @ 7 KHZ, 60 db @ 10KHZ
- **Image Rejection**
  - 80 db, Typical
- **Adjacent-Channel Rejection**
  - 60 db, Typical
- **IF Frequencies**
  - Double Conversion: 1ST: 10.695 MHZ
  - 2ND: 455 KHZ
- **Automatic Gain Control (AGC)**
  - LESS THAN 10 dB CHANGE IN AUDIO OUTPUT FOR INPUTS FROM 10 TO 50,000 MICROVOLTS
- **RF Gain Range**
  - 40 dB
- **Noise Blanker**
  - RF Type
- **Squelch**
  - Adjustable; threshold less than 1µV
- **Audio Output Power**
  - 4 WATTS
- **Frequency Response**
  - 300 TO 3000 HZ
- **Distortion**
  - LESS THAN 7% @ 3 WATTS @ 1000 HZ
- **Built-in Speaker**
  - 8 OHMS, 5W
- **External Speaker (Not Supplied)**
  - 8 OHMS; disables internal speaker when connected

### PA System

- **Power Output**
  - 4 WATTS INTO EXTERNAL SPEAKER
- **External Speaker for PA**
  - 8 OHMS, 4 W. MIN.
  - (Not Supplied)
  - The PA speaker also monitors the receiver; separate jack provided

(SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)
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.

This warranty gives you specific legal rights, and you may also have other rights which 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.
Optional Accessories

**Replacement DC Power Cord**
For in vehicle use
426-002-N-001

426-002-N-001 $7.50

**Replacement Mounting Bracket**
For in vehicle use
251-199-9-001

251-199-9-001 $4.50

**Replacement Thumb Screws**
For in vehicle use
634-081-9-001

634-081-9-001 $0.60

**Replacement Microphone Bracket**
For in vehicle use
741-080-9-001

741-080-9-001 $0.45

**21” Base Loaded Magnet Mount Antenna**
HG A1000

HG A1000 $28.95

**38” Base Loaded Magnet Mount Antenna**
HG A1500

HG A1500 $46.95

**4 Pin Premium Noise-Cancelling Microphone**
HG M84

HG M84 $74.95

**4 Pin Premium Noise-Cancelling Microphone**
Wood Grain
HG M84W

HG M84W $74.95

**5 Pin Premium Noise-Cancelling Microphone**
HG M85

HG M85 $74.95
### Optional Accessories

**4 Pin Replacement Dynamic Microphone**  
HG M73 $19.95

**Power Microphone**  
HG M75 $25.95

**4 Pin Noise Canceling Microphone**  
HG M77 $30.95

**Dynamic External Speaker**  
HG S100 $21.95

**Noise Canceling External Speaker**  
HG S300 $28.95

**Noise Canceling With Talk Back External Speaker**  
HG S500 $32.95

---

**54” Base Loaded Magnet Mount Antenna**  
HG A2000 $99.95

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**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.-6 p.m. M-F CST.

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

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Cost Ea.</th>
<th>Qty.</th>
<th>Amount</th>
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<tbody>
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<td>Replacement DC Power Cord</td>
<td>$7.50</td>
<td></td>
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### Shipping & Handling

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<thead>
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<td>$11.75</td>
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<tr>
<td>$160.01 and up</td>
<td>$14.50</td>
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</table>

For AK, HI and PR please add an additional $15.00 for UPS shipments.

### Prices subject to change without notice.

**Tax Table**
- Illinois residents add 7%
- Cook Co. residents add 7.75% (7.75% total)
- Michigan residents add 4%
- Ohio residents add 6%
- Indiana residents add 5%
- Wisconsin residents add 5%

For credit card orders fill out order form and fax to: 1.773.622.2269
or call 1.773.889.3087
(Press 1 from the main menu)

8:00 am - 6:00 pm, M-F, CST.
Make check or money order (no stamps) payable to: Cobra Accessories Dept.
6500 West Cortland St. Chicago, IL 60707

Please print clearly

**Name** ____________________________________________

**Address (No P.O. Box)** ________________________________

**City** ___________________________ **State** ____________

**Zip** ____________________________

**Telephone** (____)_________  (____)_________  (____)_________

**Credit Card No.** ___________ **Exp. Date** ___________

**Customer Signature** _______________________________________

Circle One: Visa    MasterCard    Discover

*Allow 2 to 3 weeks for delivery.*
The Cobra line of quality products also includes:

- MicroTalk™ Radios
- Radar Detectors
- SafetyAlert® Traffic Warning Systems
- HighGear™ CB Accessories
- HighGear™ Power Inverters

Nothing comes close to a Cobra™
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 - 6:00 pm, Monday through Friday, CST.
Technical assistance is also available on-line in the Frequently Asked Questions (FAQ) section at www.cobraelectronics.com or by e-mail to productinfo@cobraelectronics.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.