Accessory Order Form

The Cobra® line of quality products also includes:

- CB Radios
- microTALK® Radios
- Radar/Laser Detectors
- Safety Alert®
- Traffic Warning Systems
- Accessories
- GPS (Global Positioning System)
- HighGear™ Accessories
- Power Inverters
- VHF Marine Radios

Shipping & Handling*

Amount of Order	Shipping/ Handling
\$10.00 or less	\$3.00
\$10.01-\$25.00	\$5.50
\$25.01-\$50.00	\$7.50
\$50.01-\$90.00	\$10.50
\$90.01-\$130.00	\$13.50
\$130.01-\$200.00	\$16.50
\$200.01 plus	10% of purchase

*For AK, HI and PR add additional \$26.95 for FedEx Next Day or \$10.95 for FedEx 2nd Day. Excludes weekend and holiday shipments.

Please allow 2-3 weeks for delivery in the U.S. Prices subject to change without notice.

ltem #	Description	Cost Ea.	Qty.	Amount
251-199-9-001	Replacement Mounting Bracket			
634-081-9-001	Replacement Thumb Screws			
741-080-9-001	Replacement Microphone Bracket			
HG M84	4 Pin Premium Noise- Cancelling Microphone			
HG M84W	4 Pin Premium Noise- Cancelling Microphone Wood Grain			
HG M85	5 Pin Premium Noise- Cancelling Microphone			
HG M73	Replacement Dynamic Microphone			
HG M75	4 Pin Power Microphone			
HG M77	Noise Canceling Microphone			
HG S100	Dynamic External Speaker			
HG S300	Noise Canceling External Speaker			
HG S500	Noise Canceling With Talk Back External Speaker			

Tax Table Ohio, Wisconsin resid Indiana, Michigan res Illinois residents add California residents a	idents add 6 % 8.75% dd 7.25%	Subtotal (Tax if applicable) Shipping/handling Total	
Please print cl Name	early		
City		State	
)	
Credit Card I	No	Exp. Date	
Customer Si	gnature		

Circle One: Visa MasterCard Discover

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S)Cobra® 20 XTR

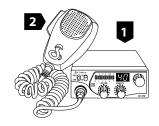
Operating Instructions for your

&Cobra® 20 XTR

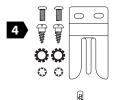


Cobra Electronics Corporation 6500 West Cortland Street Chicago, IL 60707 USA

The Citizens Band Story FCC Information









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" broadcast" (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 CB Radio:

- 1. CB Transceiver
- 2. Microphone3. Transceiver Bracket
- 4. Microphone Bracket
- 5. Operating Manual (not pictured)
- 6. FCC Rules (not pictured)
- 7. Illuminated Antenna

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Controls and Indicators

Our Thanks to You **Customer Assistance**

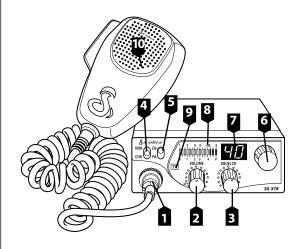
Accessories

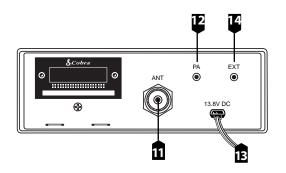
Front Side

- 1. Microphone Connector.
- 2. Off/On/Volume.
- 3. Squelch.
- 4. Channel 9/NOR
- 5. CB/PA
- 6. Channel Selector Button.
- 7. LED Channel Display.
- 8. S/RF Power Meter.
- 9. TX Indicator LED.
- 10. Microphone

Back Side

- 11. Antenna Connector
- 12. Public Address
- 13. Power Cord
- 14. External Speaker Connector





Thank you for purchasing the Cobra 20 XTR Radio Transceiver. Properly used, this Cobra product will give you many years of reliable service.

Customer Assistance

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

For Assistance In the U.S.A. **Automated Help Desk**

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

Customer Assistance Operators

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

Questions

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

Technical Assistance

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

For Assistance Outside the U.S.A.

Contact Your Local Dealer

Customer Assistance



Dynamic External Speaker Noise Canceling External



Speaker



Noise Canceling With Talk Back External Speaker HG S500

Optional Accessories

You can find accessories at your local Cobra® dealer, or in the U.S.A. you can order directly from Cobra®.

Ordering From U.S.A.

Call 773-889-3087 for pricing or visit www.cobra.com.

For credit card orders

Complete and mail this order form to: Cobra® Electronics Attn: Accessories Department 6500 West Cortland Street Chicago, IL 60707 USA.

Or fax the completed form to us at 773-622-2269.

You may also order by phone by calling 773-889-3087 (press 1 from the main menu) 8:00 a.m. to 6:00 p.m. CT, Monday through Friday.

To order online

please visit our website: www.cobra.com

A2

A3

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Features of This Product Antenna Included

- Antenna Illuminates
 When PTT Is Pressed
- 40 CB Radio Channels
- Instant Channel 9/NOR
- PA System
- Compact Size
- Dynamic Microphone
- 9 Foot Mic Cord
- Front Panel Microphone Connector



Installation

Mounting and Connections

Note

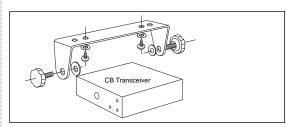
The transceiver is held in the universal mounting bracket by two thumb screws, permitting adjustment at the most convenient angle.

A universal mounting bracket is supplied along with self tapping screws and star washers.

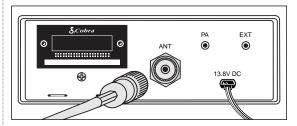
Mounting and Connections

Select a location for the transceiver and microphone bracket that is convenient for operation. In automobiles, the transceiver is usually mounted to the underneath of the dash panel, with the microphone bracket beside it.

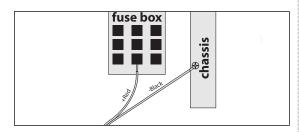
1 Hold the radio with mounting bracket in the exact location desired. Remove the mounting bracket and use it as a template to mark the location for the mounting screws.



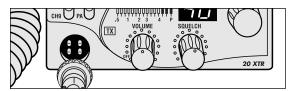
- 2 Drill necessary holes and secure mounting bracket
- **3** Connect the antenna cable plug to the receptacle marked "ANT" on the back of the unit.



- 4 Connect the red lead of DC power cord to an accessory 12 volt fuse.
- **5** Connect the black lead to the negative side of the automobile. This is usually the chassis. Any convenient location with good electrical contact (remove paint) may be used.



- 6 Mount the microphone bracket on right side of the transceiver or near it using two screws supplied. When mounting in an automobile, place the bracket under the dash so the microphone is readily accessible.
- **1** Attach the 4-pin microphone cable to receptacle on front of unit and install unit in bracket securely.



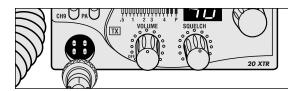
Mounting and

Connections

Installation

Note

Before installing the CB radio, visually check the vehicle battery connections to determine which battery terminal, positive or negative (positive is the larger of the two) is grounded to the engine block (or chassis).



Installation Installation

CB Antenna Installation

Note

Mobile installations (cars, trucks, boats, etc) should be made only with a non-directional antenna system.

A standard antenna connector (Type SO-239) is provided on the Connector Box for easy connection to a standard PL-259 cable termination.

CB Antenna

Do not remove foil covering from bottom of magnetic base. The foil protects the car finish.



Installation Instructions

- This magnetic mount antenna has been tested to withstand normal high speed driving. The magnet will hold securely under the following conditions. Always make sure the antenna base is on a clean, flat, painted or unpainted surface. The magnetic base will not hold on non-metallic or aluminum surfaces. Periodically clean all parts of antenna to maintain maximum performance.
- 2 Clean dust and dirt away from area where antenna will be placed.
- 3 Place antenna on vehicle, roof, trunk lid, or any flat surface. For best results centrally locate.
- 4 Run coax cable thru to inside of vehicle routed in a manner where it will not interfere with the driver or controls and connect to the antenna connector of the radio.

Warning

Warning: This product is intended for off road use. Please check the laws and regulations in your state, county and/or municipality regarding installation and use of this product.

The manufacturer makes no claims as to the edequacy of use and assumes no liability for any improper use or installation. Installation and use are solely the responsibility of the purchaser.



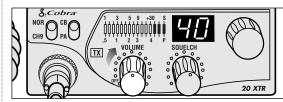


Operation

Turning on Your Radio

Turning on

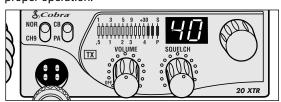
Turn volume control clockwise to turn power on and set the desired listening volume.



Microphone Connector

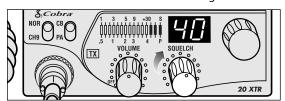
Microphone Connector

Allows for convenient removal of the microphone plug when storage is required. The microphone MUST be connected to the unit at all times when in use, for proper operation.



Squelch

This control is used to cut off or eliminate receiver background noise in the absence of an incoming signal. Adjust until the receiver noise disappears. This will require the incoming signal to be slightly stronger than average receiver noise. Further clockwise rotation will increase the threshold level which a signal must overcome in order to be heard. Only strong signals will be heard at a maximum clockwise setting.



Squelch

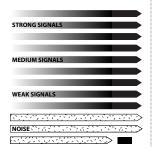




Setting Squelch

MEDIUM SIGNALS WEAK SIGNALS WORK SIGNALS

Gate open



G ATE O P E N

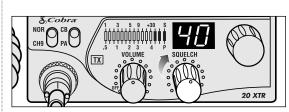
8

Operation

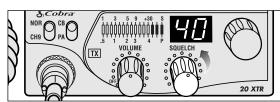
Setting Squelch

Squelch is the "control gate" for incoming signals.

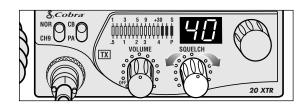
• Full clockwise rotation closes the gate allowing only very strong signals to enter.



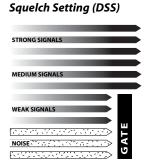
2 Full counterclockwise rotation opens the "gate" allowing all signals in.



3 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.



Gate set to Desired



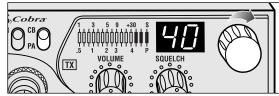


Operation

Channel Selection

Selecting a Channel

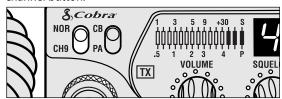
Rotate channel knob clockwise until desired channel is displayed.



Channel 9/NOR

Channel 9/NOR

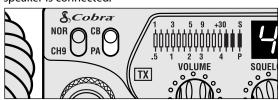
Set CH 9 to obtain instant access emergency channel. In NOR position, all 40 CB channels are selected by the channel button.



CB/PA

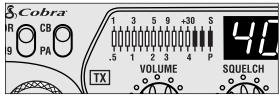
CB/PA

In the CB position, the PA function is disabled and the unit will transmit and receive on the selected channel. The PA function should not be used unless a PA speaker is connected.



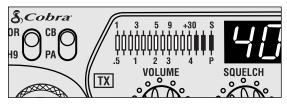
S/RF Power Meter

Shows relative transmitter RF output power and input signal strength when receiving. The LED (Light Emitting Diode) segments glow green to amber to red...this indicates receive or transmit activity.



TX Indicator LED

The indicator will light red when in the transmit mode.



S/RF PowerMeter

TX Indicator LED

10

11

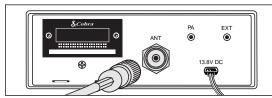
Rear Panel

Antenna Connector External Speaker Power Public Address

Note

Cobra external speakers are rated 15 watts

Rear Panel



Antenna Connector

This female connector permits connection of the transmission line cable male connector to the transceiver.

External Speaker

The External Speaker Jack is used for an external speaker. 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.

Power

These wires supply power to the CB radio. This cable is permanently attached to the radio. If you wish to remove the radio after installation, disconnect at fuse holder and ground connector.

Public Address

An external PA speaker may be connected to the PA speaker jack when used as a public address system. The speaker should be directed away from the microphone to prevent acoustic feed-back. Physical separation or isolation of the microphone and speaker must be employed when operating the PA at high output levels.

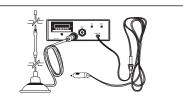
Ignition Noise Interference

Use of a mobile receiver at low signal levels is normally limited by the presence of electrical noise. Under most operating conditions, 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 vehicle engine turned off. The unit requires very little current and therefore will not significantly discharge the vehicle battery.

Even though this radio has an automatic noise limiter, in some installations ignition interference may be high enough to make good communications impossible. Consult your COBRA dealer or a 2-way radio technician for help in locating and correcting the source of severe noise.

Temporary Mobile Operation

For temporary mobile operation, you may want to purchase an additional cigarette lighter adapter from your COBRA dealer. This adapter and a magnetic mount antenna allow you to quickly "install" your transceiver for temporary use.



Operation

Ignition Noise Interference

Note

When using the unit with cigarette adapter, turn off when not in use to avoid draining the battery.

Temporary Mobile Operation

Note

Red wire is connected to positive side of socket center tip. Black wire is connected to negative side contacts.

Note

Radio resets to CH 9 when connected to cigarette lighter plug.

Operation Maintenance

Operating Procedure to Receive

Operating Procedure to Receive

Be sure that power cord, antenna and microphone are connected to the proper connectors before proceeding further. The CB/PA switch should be in the "CB" position.

- 2 Turn the radio ON by rotating the VOLUME CONTROL clockwise.
- 3 Rotate SQUELCH CONTROL counterclockwise until incoming signal is heard.
- 4 Select the desired channel.
- **5** Set VOLUME CONTROL to a comfortable listening level.

Operating Procedure to Transmit

- 1 Select the desired channel.
- The receiver and transmitter are controlled by the press-to-talk switch on the microphone. Press the switch and the transmitter is activated; release switch to receive. When transmitting (on a clear channel), hold the microphone two inches from the mouth and speak clearly in a normal voice.

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.

Maintenance and Adjustment

Your COBRA CB transceiver is specifically designed for the environment encountered in mobile installations. The use of all solid state circuitry and its light weight result in high reliability. Should a failure occur, however, review the following, then if necessary, replace parts only with identical parts. Do not substitute.

- Check connections to the source of power and make sure it is the 13.8 VDC required to operate your radio.
- 2 Check the fuses in the DC power cord. The main power lead (red) has a 2 amp 3AG type fuse in its holder. Use only the above specified type and size fuse for maximum protection. Failure to do so will void the warranty.
- **3** Make certain the microphone is properly plugged in.
- 4 Make certain the antenna is properly assembled and connected.

If you are unable to correct the problem, refer to the SERVICE INSTRUCTIONS at the end of this manual for the correct procedure for warranty and post-warranty service from COBRA.

Maintenance/ Adjustment

Procedure to Transmit

Operating

Warning & Rules

CB Distress Data

Replacement Warning

Replacement Warning

Replacement or substitution of certain parts with replacements other than those recommended by Cobra may be a violation of the technical regulations of Part 95 of the FCC rules, or of Type Acceptance requirements of Part 2 of said rules.

When making adjustments, be sure to re-read applicable portions of this instruction manual to make certain you are following correct procedure and that the radio was properly installed, etc.

A Few Rules You Should Know

A Few Rules That Should Be Obeyed

- 1 You are not allowed to carry on a conversation with another station for more than five minutes at a time without taking a one-minute break to give others a chance to use the channel.
- 2 You are not allowed to blast others off the air by overpowering them with illegally amplified transmitter power or illegally high antennas.
- 3 You can't use CB to promote illegal activities.
- 4 You are not allowed to use profanity.
- **5** You may not play music in your CB.
- 6 You may not use your CB to sell merchandise or professional service.

Set to channel 9 for emergencies

Be sure antenna is properly connected.

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. The FCC gives the following examples of permitted

and prohibited types of communications for use on Channel 9. These are guidelines and are not intended to be all-inclusive.

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."

CB Distress Data

CB 10-Codes

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 10-36 Confidential information Correct time is Wercker needed at Meceiving poorly 10-37 Wescer needed at Meceiving well 10-38 Ambulance needed 10-39 Message delivered 10-40 K, message received 10-41 Turn to channel 10-41 Turn to channel 10-42 Traffic accident at 10-63 Busy, stand by 10-44 Have a message for 10-63 In service, subject to call 10-9 Repeat message 10-50 Break channel 10-9 Repeat message 10-60 What is next message number? 10-11 Talking too rapidly 10-12 Visitors present 10-64 Make pick up at 10-64 Make pick up at 10-13 Advise weather/roads 10-65 Make pick up at 10-16 Make pick up at 10-17 Urgent business 10-70 Fire at 10-70 Report to service, subject to all 10-19 Return to base 10-77 Proceed, transmission in sequence 10-22 Report in person to 10-82 Reserve hotel room for 10-82 Reserve hotel room for 10-82 Reserve hotel room for 10-83 Stand by 10-91 Talking for us? 10-70 Fire at 10-84 Reserve hotel room for 10-85 Stand by 10-91 Talking for us? 10-71 Talking for us? 10-71 Fire at 10-72 Completed standing 10-83 Reserve hotel room for 10-82 Reserve hotel room for 10-82 Report in person to 10-85 My address is 10-81 My address is 10-81 My address is 10-82 Can you contact 10-94 Give me a long count 10-20 My more to thannel 10-20 My more to thannel 10-20 My bore along the first part of the	CB 10-Codes		10-28	Identify your station
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 10-4 OK, message received 10-5 Relay message 10-6 Busy, stand by 10-7 Out of service, leaving 10-9 Repeat message 10-10 Transmission completed standing by 10-11 Talking too rapidly 10-12 Visitors present 10-13 Advise weather/roads 10-14 Okse weather/roads 10-15 Advise weather/roads 10-16 Make pick up at 10-17 Oky Duron of the complete standing by 10-18 Anything for us? 10-19 Return to base 10-10 My location is 10-21 Call by phone 10-22 Report in person to 10-24 Completed at ansignment 10-25 Can you contact 10-26 Disregard last info 10-20 Disregard last info	Citizen Bands have adopted the "10-CODES" for		10-29	Time is up for contact
quick and easy communication, especially in noisy areas. Following are some of the more common codes and meanings: Code Meaning 10-36 Correct time is 10-37 Wrecker needed at 10-38 Ambulance needed 10-3 Stop transmitting 10-41 Turn to channel 10-4 OK, message received 10-42 Traffic accident at 10-5 Relay message 10-42 Traffic accident at 10-6 Busy, stand by 10-44 Have a message for 10-7 Out of service, leaving 10-45 All units within range please report 10-9 Repeat message 10-60 What is next message number? 10-10 Transmission completed standing by 10-62 Unable to copy. Use phone 10-11 Talking too rapidly 10-63 Net directed to 10-13 Advise weather/roads 10-67 All units comply 10-17 Urgent business 10-67 All units comply 10-18 Anything for us? 10-70 Fire at 10-19 Return to base 10-77 Proceed, transmission in sequence 10-20 My location is 10-81 Reserve hotel room for 10-21 Call by phone 10-82 Reserve hotel room for 10-22 Report in person to 10-93 Check my frequency on this channel 10-25 Can you contact 10-94 Give me a long count 10-10 Disregard last info 10-99 Mission completed, all units secure	· ·		10-30	Does not conform to FCC rules
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 10-14 Sustemary 10-15 Make pick up at 10-16 Make pick up at 10-17 Urgent business 10-18 Anything for us? 10-19 Return to base 10-10-21 Call by phone 10-22 Return to base 10-20 My location is 10-23 Stand by 10-44 Have a message for 10-55 Maritime the subject to call 10-60 What is next message number? 10-60 What is next message number? 10-61 Make pick up at 10-63 Net directed to 10-64 Net clear 10-65 All units comply 10-67 Fire at 10-69 Report message/assignment 10-69 Report message number 10-60 Make pick up at 10-61 Make pick up at 10-62 My location is 10-63 Reserve hotel room for 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 10-20 Mission completed, all units secure	:	·	10-33	Emergency traffic
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, 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 10-14 10-15 Make pick up at 10-16 Make pick up at 10-17 Out go say to say to say the say to say the say to say the			10-34	Trouble at this station
CodeMeaning10-36Correct time is10-1Receiving poorly10-37Wrecker needed at10-2Receiving well10-38Ambulance needed10-3Stop transmitting10-41Turn to channel10-4OK, message received10-41Turn to channel10-5Relay message10-42Traffic accident at10-6Busy, stand by10-44Have a message for10-7Out of service, leaving10-45All units within range please report10-8In service, subject to call10-50Break channel10-9Repeat message10-60What is next message number?10-10Transmission completed standing by10-62Unable to copy. Use phone10-11Talking too rapidly10-63Net directed to10-12Visitors present10-64Net clear10-13Advise weather/roads10-65Awaiting your next message/assignment10-16Make pick up at10-67All units comply10-17Urgent business10-67All units comply10-18Anything for us?10-70Fire at10-19Return to base10-71Proceed, transmission in sequence10-20My location is10-77Negative contact10-21Call by phone10-82Reserve hotel room for10-22Report in person to10-85My address is10-24Completed last assignment10-91Talk closer to mic10-25Can you cont	:	=	10-35	Confidential information
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10-26 Disregard last info 10-94 Give me a long count 10-99 Mission completed, all units secure	1	•	10-93	Check my frequency on this channel
10-99 Mission completed, all units secure		•	10-94	Give me a long count
10-2/ Moving to channel 10-200 Police needed at		3	10-99	Mission completed, all units secure
	10-27	Moving to channel	10-200	Police needed at

Frequency Ranges

Specifications

Frequency Ranges

Frequency Ranges

The Cobra 20 XTR 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.

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

Specifications

GENERAL	
CHANNELS	CB - 40 CH
	CB - 26.965 TO 27.405 MHZ
FREOUENCY TOLERANCE	
	PLL (PHASE LOCK LOOP) SYNTHESIZER
OPERATING TEMP, RANGE	
MICROPHONE	PLUG-IN DYNAMIC
INPUT VOLTAGE	13.8VDC nom. (negative ground)
CURRENT DRAIN	TRANSMIT: AM FULL MOD., 1.4A (MAXIMUM)
	RECEIVE: SQUELCHED, 0.9 A;
	FULL AUDIO OUTPUT, 1.2A (NOMINAL)
SIZE	6-7/8" D X 6-3/4" W X 1-7/8" H
WEIGHT	3.25 LBS.
ANTENNA CONNECTOR	UHF; SO-239
METER	LED; 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

Specifications

Product Service

Limited One Year Warranty



Cobra Electronics Corporation 6500 West Cortland Street Chicago, Illinois 60707 USA

Limited One Year Warranty

COBRA ELECTRONICS CORPORATION warrants that its COBRA CB Transceiver, and the component parts thereof, will be free of defects in material and workmanship for a period of one (1) year from the date of 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, a defective CB Transceiver upon delivery to the COBRA factory Service Department, accompanied by proof of the date of first consumer purchase, such a duplicated sales receipt.

You must pay 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.

Product Service

If you think you need service call 773.889.3087

If your product should require factory service please call Cobra first before sending in your unit. 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.

- For Warranty Repair include some form of proof-of-purchase, such as a mechanical reproduction or carbon of a sales receipt. If you send the original receipt it cannot be returned.
- 2 Send the entire product.
- 3 Enclose a description of what is happening with the 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 West Cortland Street, Chicago, IL 60707 USA.
- 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 773.889.3087 for assistance.

Product Service

For technical assistance,

please call our Automated Help Desk at (773) 889-3087 24 hours a day, 7 days a week. This can assist you by answering the most frequently asked questions about Cobra products.

A Consumer Service

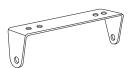
Representative can be reached at (773) 889-3087 8:00 am - 6:00 pm, Monday through Friday, CT.

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

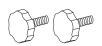
Accessories



Bracket 741-080-9-001



Replacement Microphone Replacement Mounting Bracket 251-199-9-001



Replacement Thumb Screws 634-081-9-001



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



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



5 Pin Premium Noise-Cancelling Microphone HG M85



4 Pin Replacement **Dynamic Microphone** HG M73



4 Pin Noise Canceling Microphone HG M77



4 Pin Power Microphone HG M75