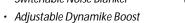
How to Use Your Cobra 148 NW ST

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Features of This Product

- 40 CB Radio Channels
- 80 SSB Channels
- SoundTracker[™]System
- Heavy-Duty Dynamic Microphone
- Full 4 Watts AM RF Power Output
- 12 Watts SSB RF Power Output
- Instant Channel 9
- Front Panel 4-Pin Microphone Connector
- Switchable Noise Blanker



- Tactile Controls
- SWR Calibration Meter
- RF Gain

1

(h)

- 9 Ft Mic Cord
- Illuminated Front Panel
- Dimmer Control



Installation

Location

Mounting and Connection

The transceiver is held in the

universal mounting bracket by

four thumbscrews which allow for adjustment at a convenient

The bracket includes two selftapping screws and star washers. The mounting must be

mechanically strong, conve-

2

niently located.

Note

angle.

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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.

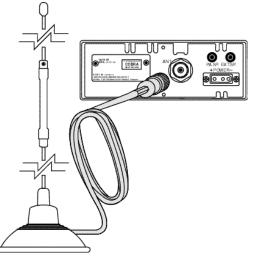
The transceiver is usually mounted to the underside of the dash with the microphone bracket beside it.

Mounting and Connection

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.

cb tranceiver

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.

continued

3

Installation

Installation

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

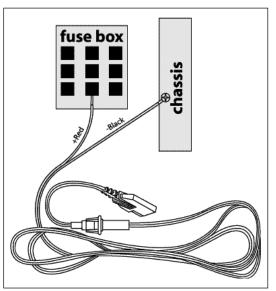
Note

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

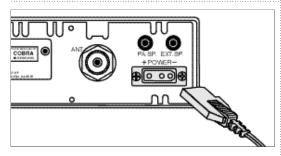
)

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.

4



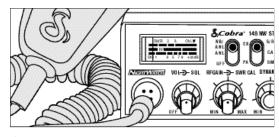
- In a negative grounded vehicle, connect the red lead of the DC power cord to an accessory 12 volt fuse.
- Connect the black lead to the negative side of the vehicle. This is usually the chassis. Any convenient location with a good electrical contact (remove paint) may be used.



- Plug power cable into back of unit marked "Power". Be sure to observe polarity markings.
- Mount the microphone bracket on either side of the unit (driver's left) using two screws supplied. Bracket should be placed under the dash so microphone is readily accessible.



5



Attach the 4-pin microphone cable to receptacle on front of unit and Install unit in bracket securely.

Installation

Antennas

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

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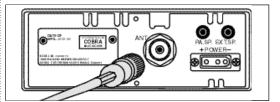
Because many newer trucks feature fiberglass door skins, the outside mirror must be grounded to the chassis via a ground strap if the antenna is mounted on mirror bracket.

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

6

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.

Ignition Noise Interference

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 148 NW ST 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

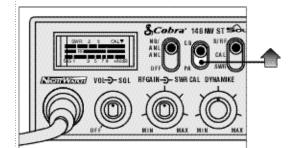
Turning On

 \rightarrow

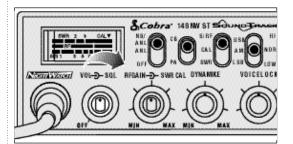
Turning On

8

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

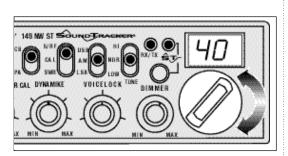


The CB/PA button should be in the CB position.



2 Rotate the On/Off Volume knob () *clockwise* to a normal listening level.

Setting Channel Selector



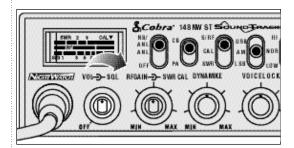
• Select O one of forty channels and adjust volume. The selected channel is indicated by the LED readout directly above the channel selector knob

Setting Channel Selector

9

To Receive

To Receive

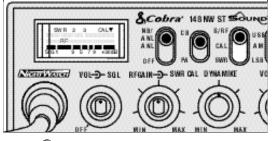


• Rotate the O On/Off Volume knob *clockwise* the green RT/TX LED will be illuminated.

S-Meter

(10)

Swings proportionately to strength of incoming signal when receiving.



• The S/RF-SWR-CAL switch must be in the S/RF position to read the meter.

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.

SOUND-T-RACKER

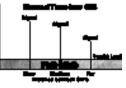
Operation

Note

(11)

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



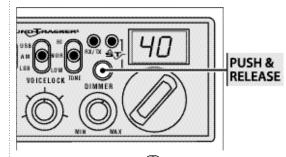


S-Meter

Activating SoundTracker[™]

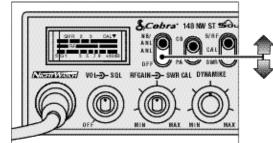
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Activating SoundTracker™



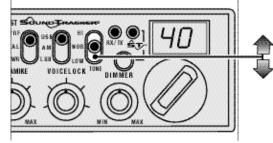
● Push and release the ST button. Red LED is illuminated when SoundTracker[™] is turned on.

NB-ANL/ANL/OFF (Noise Blanker/Automatic Noise Limiter) Switch



When switched to ANL the Automatic Noise Limiter is activated. This helps reduce noise created by the vehicle's electronics.
 When switched to NB/ANL position the RF Noise Blanker is also activated, providing increased noise filtration.
 When switched to OFF position all noise filtration will be turned off.

Hi/Low Tone Control



• When switched, this button is used to shape the audio response to the operator's preference.

NB-ANL/ANL/

Operation

NB-ANL/ANL/ OFF (Noise Blanker/ Automatic Noise Limiter) Switch

Note

13

The RF Noise Blanker is very effective in reducing repetitive noises such as ignition interference. The Automatic Noise Limiter helps reduce noise created by the vehicle's electronics.

Hi/Low/ Tone Control

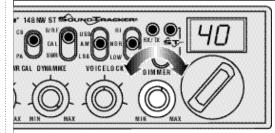
12

Operation

Dimmer Control

Dimmer Control

Controls the brightness of the front panel, signal strength meter and channel display



For maximum brightness turn () *clockwise*; *counterclockwise* for minimum illumination

RF Gain Control RF Gain Control

14

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

Note

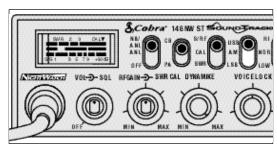
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The RF Gain is used to optimize reception in weak signal areas.



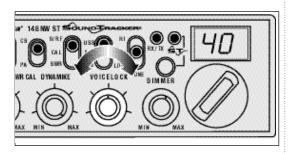
• Rotate the (2) RF Gain knob counterclockwise to reduce gain in strong signal areas. In weak signal areas turn clockwise to increase gain.

USB/AM/LSB Switch



• Select mode of operation from USB to AM to LSB

Voice Lock



 Rotate to clarify receiver's frequencies above and below assigned frequencies. Primarily used to tune SSB signals as well as optimizing AM signals.

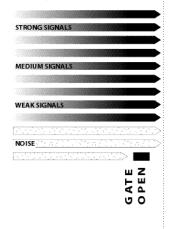
15

Setting Squelch

e que e



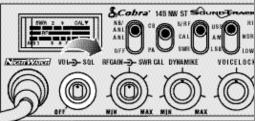
Gate open



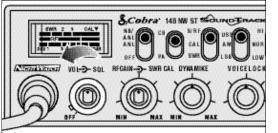
16

Squelch is the "control gate" for incoming signals.

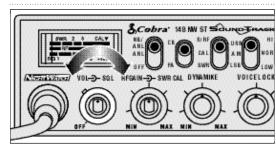
Setting Squelch



• 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. Gate set to Desired Squelch Setting (DSS)

17

STRONG SIGNALS	
MEDIUM SIGNALS	
WEAK SIGNALS	
<u> </u>	Ë
NOISENTRACTIONTRACTION	\triangleleft
Create Protection	6

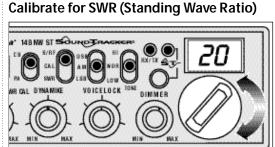
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Calibrate For SWR (Standing Wave Ratio)

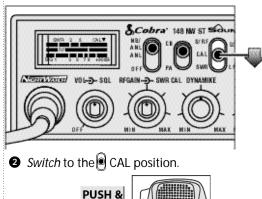
Note

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SWR calibration is done to properly adjust the length of the antenna and to monitor the quality of the coaxial cable and all RF connections. This calibration is critical in order to achieve optimum performance.



1 Select C channel 20.



S

HOLD

3 Push and hold mic button.

18

While holding mic button adjust the ⁽⁽⁾

SWR CAL knob so the

meter needle swings



to the CAL \checkmark mark on the meter (located on the right). If optimum signal is not achieved (less than 3) a <u>slight</u> adjustment to the length of the antenna must be made. Recalibrate.

- **3** Repeat the same steps on Channel 1 and 40.
- Continue holding the mic button and turn the SWR CAL knob to the SWR position for SWR measurement.

Operation

Note

Calibration must be made in an open area (never in a garage). Vehicle doors must be closed. No one should be standing near the antenna. (See your antenna directions for more complete information).

Note

The reading will be slightly higher on Channels 1 and 40 compared to Channel 20.

Note

When switched to SWR position the meter needle should ideally be as far to the left as possible. Anything over 3 is not acceptable. A slight antenna height adjustment (higher or lower) may be required. Repeat recalibration step.

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19
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To Transmit



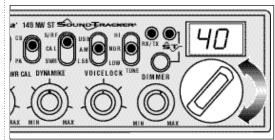
Be sure the antenna is properly connected to the radio before transmitting. Prolonged transmitting without an antenna, or a poorly matched antenna, could cause damage to the transmitter.

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

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Setting Dynamike

To Transmit

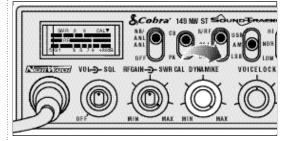


• Select desired @channel.

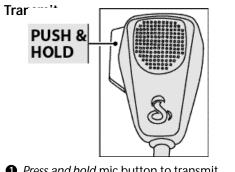
Setting Dynamike

20

This controls the microphone sensitivity (outgoing audio level).



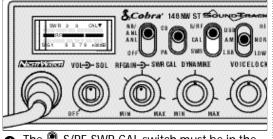
Initially, set fully clockwise so that maximum voice volume is available. Dynamike may have to be reduced in some conditions.



• Press 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.



• The S/RF-SWR-CAL switch must be in the S/RF position.

Operation

Transmit

RF Meter

21)

External Speaker E

r External Speaker

The external speaker jack is used for remote receiver monitoring.

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

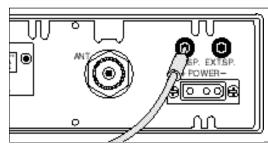
Cobra external speakers are rated at 10 watts. See Accessories page 39.

22

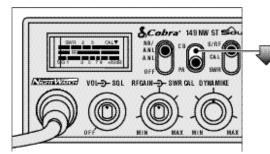


• Connect an external speaker to the external speaker jack on the rear panel.

PA (Public Address)



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



2 Set CB/PA switch to PA position.

Operation

PA (Public Address)

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

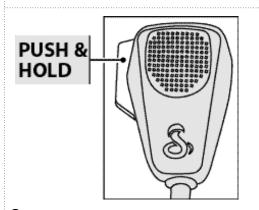
23

Activity on the CB channel will be heard through the PA speaker. Adjust volume control to a normal listening level.

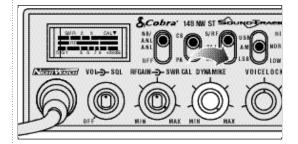
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Operation



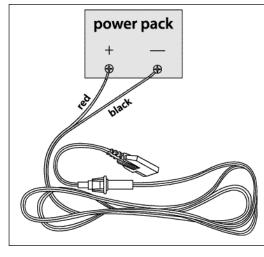
3 *Push and hold* microphone button and speak in a normal voice. Your voice will now transmit on the PA speaker.



24

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.



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

Base Station Operation (From 120V AC House Current)



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

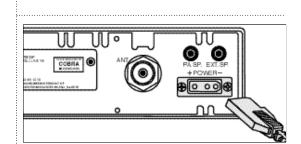
Note

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For further information call Cobra Customer Service 1.773.889.3087.

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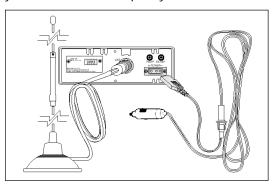
Temporary Mobile Set-Up



- 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.

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.



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 driving 			
A Few Rules You Should Know	 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.			
Channel 9 Emergency	1. Set to channel 9 for emergencies Be sure antenna is properly connected.			
Messages Note	2. CB Distress Data When transmitting an emergency, you should request a "REACT BASE" and provide the CB distress data (called CLIP):			
If no response on channel 9, try channels 19 or 14.	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.

27

26

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Temporary Mobile Set-Up

28

How Your CB Can Serve You

How Your CB Can Serve You

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."

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

10-28 Identify your station

CB 10-Codes

 \rightarrow

How Your CB Can Serve You

30

Frequency Ranges

31

	<u></u>				
Code	Meaning	The CO	BRA 148	NW ST tr	ansceive
10-29	Time is up for contact	The COBRA 148 NW ST transceiver repr one of the most ad vanced AM two-way			
10-30	Does not conform to FCC rules) station	
10-33	Emergency traffic	Service.	This unit	t features	advanc
10-34	Trouble at this station	Loop (P	LL) circu	itry provi	iding cor
10-35	Confidential information	age of a	II 40 CB	channels	
10-36	Correct time is		Channel		Channel
10-37	Wrecker needed at	СВ	Freq.	СВ	Freq.
10-38	Ambulance needed	Channel	In MHz	Channel	In MHz
10-39	Message delivered				
10-41	Turn to channel	1	26.965		27.215
10-42	Traffic accident at	2	26.975		27.225
0-43	Traffic tie up at	3 4	26.985 27.005	23	27.255
0-44	Have a message for	4 5		24 25	27.235 27.245
0-45	All units within range please repor t	J	27.015	2J	Z1.Z4J
0-50	Break channel	6	27.025	26	27.265
0-60	What is next message number?	7	27.035	27	27.275
0-62	Unable to copy. Use phone	8		28	27.285
0-63	Net directed to	9	27.065	29	27.295
0-64	Net clear	10	27.075	30	27.305
0-65	Awaiting your next message/assignment				
0-67	All units comply	11	27.085		27.315
0-70	Fire at	12	27.105		27.325
0-71	Proceed, transmission in sequence	13	27.115		27.335
0-77	Negative contact	14	27.125		27.345
0-81	Reserve hotel room for	15	27.135	35	27.355
0-82	Reserve room for	16	27.155	26	27.365
0-85	My address is	10	27.155	30 37	27.305
0-91	Talk closer to mic	18	27.105	38	27.375
0-93	Check my frequency on this channel	10	27.185	39	27.395
0-94	Give me a long count	20	27.205	40	27.405
10-99	Mission completed, all units secure				
10-200	•				

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148 NW ST Specifications

(32)

GENERAL	
CHANNELS	421104 42104 42104 A0
FREQUENCY RANGE	
EDECITIENCY CONTROL	
FREQUENCY TOLERANCE	
FREQUENCY STABILITY	
OPERATING TEMPERATURE RANGE	
MICROPHONE	PLUG-IN DYNAMIC WITH PUSH-TO-TALK SWITCH
INPLIT VOLTAGE	
	(POSITIVE OR NEGATIVE GROUND)
CURRENT DRAIN	(Positive or negative ground)
	WATTS PEP OUTPUT, 2A.
	RECEIVE:SQUELCHED. 0.25A:MAX. AUDIO
	OUTPUT. 0.6A.
SIZE	2-3/8"H X 7-7/8"W X 9-1/4"D
WEIGHT	
ANTENNA CONNECTOR	UHF; SO-239
	COLOR LIGHT EMITTING DIODE
METER	ILLUMINATED; INDICATES RELATIVE POWER
	OUTPUT, RECEIVED SIGNAL STRENGTH AND VSWR
TRANSMITTER	
POWER OUTPUT	AM A WATTS SSR 12 WATTS PEP
MODULIATION	HIGH- AND LOW-LEVEL CLASS B. AMPLITUDE
Mobold mon	MODULATION
INTERMODULATION DISTORTION	SSB: 3RD ORDER MORE THAN - 25dB
	5TH ORDER, MORE THAN -35dB
SSB CARRIER SUPPRESSION	55 dB
UNWANTED SIDEBAND	
FREQUENCY RESPONSE	AM AND SSB: 300 TO 2500 HZ
OUTPUT IMPEDANCE	50 OHMS UNBALANCED
	METER SHOWS RELATIVE RF OUTPUT POWER
	AND SWR.TRANSMIT LED GLOWS RED
	WHEN TRANSMITTER IS IN OPERATION.
RECEIVER	
SENSITIVITY	SSB:0.25 uV FOR 10 dB (S+N) /N AT
	GREATER THAN 1/2-WATT OF AUDIO OUTPUT
	AM: 0.5 µV FOR 10 dB (S+N) /N AT
	GREATER THAN 1/2-WATT OF AUDIO OUTPUT
SELECTIVITY	AM: 7.8 KHZ, 50 dB @ 9KHZ
IMAGE REJECTION ADJACENT-CHANNEL REJECTION	SSB: 6 dB @ 1.1 KHZ, 60 dB @ 2.3 KHZ
IMAGE REJECTION	MORE THAN 65 dB
ADJACENT-CHANNEL REJECTION	60 dB AM & 70 dBSSB
IF FREQUENCIES	
	SSB: 8.7 MHZ
RECEPTION	
AUTOMATIC GAIN CONTROL (AGC)	LESS THAN 10 dB CHANGE IN AUDIO OUTPUT
FOR INPUTS FROM TO TO TO0,000 MICRO	VOLIS
NOISE BLANKER	DE TYDE FEFECTIVE ON ANA AND CCD
ANL	
	ADJUSTABLE: THRESHOLD LESS THAN 0.25 µV
VOICE LOCK RANGE	
AUDIO OUTPUT POWER	
FREQUENCY RESPONSE	
RI III T IN SDEAVED	
EXTERNAL SPEAKER (NOT SLIPPLIED)	8 OHMS, 5 WATTS 8 OHMS; DISABLES INTERNAL SPEAKER WHEN
CONNECTED	
PASYSTEM	A MATTE INTO EXTERNAL CREAKED
POWER OUTPUT EXTERNAL SPEAKER FOR PA	9 OLIM A WATTS MINI
(NOT SUPPLIED)	
(NOT SUPPLIED) (SPECIFICATIONS SUBJECT TO CHANGE W	
OF LOW TO ALLOW SOULOT TO CHANGE W	initio initio initio

Limited One Year Warranty

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) year from 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.

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.



Cobra Electronics Corporation

6500 West Cortland Street Chicago, Illinois 60707

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Optional Accessories

Optional Accessories



Replacement DC Power Cord For in vehicle use 420-071-9-001 \$7.50



Replacement Microphone . Bracket For in vehicle use

\$0.45

741-080-9-001

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Bracket For in vehicle use 250-044-N-001 \$4.50



28" Full Range Center Load, Magnetic Mount Antenna For in vehicle use AT 35 \$19.95



For in vehicle use 634-088-9-001 \$0.60



25"Glass Mount Antenna For in vehicle use AT 55 \$27.95



Power Microphone For in vehicle use CA 75



\$14.95



Noise Canceling/Power Microphone For in vehicle use

\$24.95



Echo/Noise Canceling Microphone For in vehicle use CA 79 \$59.95







39" Full Range Base Load, Magnetic Mount Antenna For in vehicle use AT 70 \$24.95

44" Full Range, Center Load, Dual Band CB/WX Antenna Allows greater transmission range while in a moving vehicle. ATW-400 \$27.95

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Replacement Dynamic Microphone For in vehicle use CA 73 \$12.95



Dynamic External Speaker For in vehicle use

CS 100

Noise Canceling External Speaker For in vehicle use CS 300

Speaker \$19.95 For in vehicle use CS 500

\$24.95

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.

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Accessory Order Form

		Item #	Description	Cost Ea.	Qty.	Amount
		420-071-9-001	Replacement DC Power Cord	\$7.50		
		250-044-N-001	Replacement Mounting Bracket	\$4.50		
		634-088-9-001	Replacement Thumb Screws	\$0.60		
		741-080-9-001	Replacement Microphone Bracket	\$0.45		
		AT 35	28" Full Range Center Load,			
			Magnetic Mount Antenna	\$19.95		
		AT 55	25" Glass Mount Antenna	\$27.95		
		AT 70	39" Full Range Base Load,			
			Magnetic Mount Antenna	\$24.95		
		ATW 400	44" Full Range, Center Load,			
			Dual Band CB/WX Antenna	\$27.95		
		CA 73	Replacement Dynamic Microphone	\$12.95		
		CA 75	Power Microphone	\$21.95		
		CA 77	Noise Canceling/Power Microphone	\$24.95		
		CA79	Echo/Noise Canceling Microphone	\$59.95		
		CS 100	Dynamic External Speaker	\$14.95		
hipping &	Handling	CS 300	Noise Canceling External Speaker	\$19.95		
mount of	Shipping/	CS 500	Dynamic Noise Canceling			
der	Handling		With Talk Back External Speaker	\$24.95		
	\$4.75 minimum	Prices subjec	t to change without notice.	Subtotal		
5.01-\$40.00	\$6.95	Tax Table	· · · · · · · · · · · · · · · · · · ·	(Tax if appli	icahla)	
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0.01-\$120.00	\$10.00	Chicago residents add Indiana residents add 5	1% (8.75% total) Wisconsin residents add 5%	Total	ununng	
20.01-\$160.00 60.01 and up	\$11.50 \$14.25					
	PR please add	and fax to: 1.773.6				nps)
an additional \$15.00 for UPS shipments.		or call 1.773.889.30	ories Dept.			
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Cobra Electronics Corporation 6500 West Cortland Street Chicago, IL60707

If You Think You Need Service

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

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- 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.
- 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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Part No. 480-301-P-001

<u>န်္ဂCobra</u> 148 NW ST

Operating Instructions for your Cobra 148 NW ST

CB Radio





All Colora Product <u>VEAL</u>2000 DATE COMPLIANT

"Ingenious Products for Easier Communication."

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Color 148 HWST

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The CB Story

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 148 NW ST

- 1. CB transceiver
- 2. Microphone
- 3. Transceiver bracket

A1

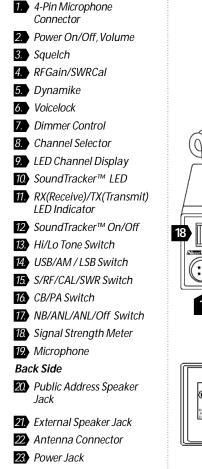
- 4. Microphone bracket
- 5. Operating Manual

6. DC power cord

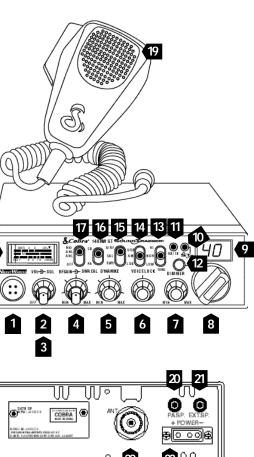
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FCC rules

Controls and Indicators



A2



Thank you for purchasing the Cobra 148 NW ST CB Radio. 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.

Our Thanks to You

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

A3

Notes

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