

PRESIDENT

120 Channel AM/SSB
Mobile CB Radio
P300



Uniden Corporation of America

Introduction

Congratulations! You've chosen the President P300 as your mobile SSB CB radio. The P300 has been engineered to exacting industrial specifications for reliable, dependable operation. This radio gives you a full complement of features, such as adjustable mic gain, adjustable RF gain, S/R Meter, Instant Channel 9, and many other features to make operating the P300 as easy as possible. The P300 also features Phase Locked Loop frequency synthesis for precise transmit and receive frequency control and long term stability. This radio has been Type Accepted and certified by the FCC for use in the Citizens Band Radio Service.

Warning

The Citizens Band (CB) Radio Service is under the jurisdiction of the Federal Communications Commission (FCC). Any adjustments or alterations which would alter the performance of the transceiver's original FCC Type Acceptance or which would change the frequency determining method are strictly prohibited. Replacement or substitution of Crystals, Transistors, IC's, Regulator Diodes or any other part of a unique nature, with parts other than those recommended by us, may cause violation of the technical regulations of Part 95 of the FCC Rules or violation of the Type Acceptance requirements of Part 2 of the Rules.

Elimination of Licensing

The Federal Communications Commission (FCC) has ruled that Citizen's Band (CB) Radio Service operators no longer are required to obtain an FCC license to operate their CB equipment. In doing so, the FCC also decided to permit CB station operation without station identification.

Elimination of individual station licenses results in no lessening of the operating privileges or responsibilities of CB users. An operator of a CB radio station is still required to comply with the Communications Act and with the rules of CB Radio Service.

Servicing your transceiver

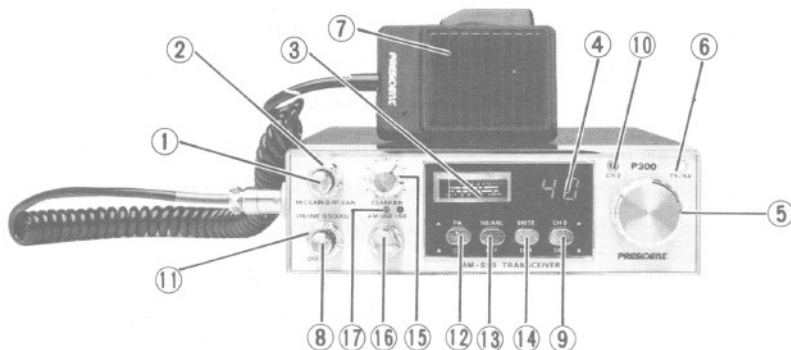
The technical information, diagrams, and charts will be supplied upon request.

It is the user's responsibility to see that this radio is operating at all times in accordance with the FCC Citizens Radio Service regulations.

We highly recommend that you consult a qualified radiotelephone technician for the servicing and alignment of this CB radio product.

Please refer to the WARNING information above.

Note: When ordering parts, it is essential to specify the correct model number and serial number of the unit.



1. Mic Gain — This control is used to adjust, as required, microphone input sensitivity for the optimum amount of modulation in transmit. President CB radios have been designed to permit the user to attain levels of modulation up to 100%, depending on the setting of the microphone gain control, using the microphone provided with the unit. President's automatic compression and peak limiting circuits assure maximum modulation with minimum distortion.

2. RF Gain — This control is used primarily to optimize reception in strong signal areas. Gain is reduced by counterclockwise rotation of the control.

3. S/Rf Meter — This meter shows the RF power when transmitting and the strength of the incoming signal when receiving. A change of one "S" unit indicates a change of 6 dB in signal level. The metering circuit is calibrated so that for 100 microvolts, the S meter will read S-9.

4. Channel Indicator — This LED display indicates the channel number currently selected.

5. Channel Selector Switch — This switch selects the desired channel for transmission and reception. All channels, except channel 9, may be used for communications between stations. Channel 9 has been reserved by the FCC for emergency communications involving the immediate safety of individuals, or immediate protection of property. Channel 9 may also be used to render assistance to a motorist. This is an FCC rule and applies to all operators of CB radios.

6. TX/RX Indicator — LED which indicates the mode of operation; green for receiving, and red for transmitting.

7. Press-to-talk Microphone — The receiver and transmitter are controlled by the press to talk switch on the microphone. Press the switch to activate the transmitter; release the switch to receive. When transmitting, hold the microphone two inches from your mouth and speak clearly in a normal voice. The microphone provided with your radio is a detachable low impedance dynamic type.

8. On/Off/Volume Control — Turn clockwise to apply power to the radio and to set the audio volume to the desired listening level. Turn fully counter clockwise to turn the radio off.

Controls and Functions

9. CH 9 Switch — When placed in the CH 9 position, the receiver and transmitter are switched to channel 9, the emergency channel regardless of the channel selector setting. The OFF position restores frequency control back to the channel selector switch.

10. CH 9 Indicator — When lit, this indicates that channel 9 is selected.

11. Squelch Control — The squelch control is rotated to cut off or eliminate received background noise in the absence of an incoming signal. For maximum receive sensitivity, it is desirable that the control be rotated only to the point where the receive background noise or ambient background noise is eliminated. Turn the control fully counter clockwise, then slowly rotate clockwise until the receive noise disappears. Any signal to be heard must now be lightly stronger than the average received 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 the maximum clockwise setting.

12. PA/CB Switch — This control engages the PA (public address) function. The PA function should not be used unless an external speaker is connected. In the CB position, the PA function is disabled and the radio will transmit and receive on the selected channel.

13. NB/ANL Switch — This switch, when set in the NB/ANL position, activates an automatic noise limiter and Noise Blanking circuit which reduces impulse type external noise.

14. Dimmer Switch — This switch is used to adjust the brightness of the LED channel display and the meter. DIM position reduces brightness.

15. Clarifier — The clarifier is normally set to the center position. This feature has several uses and can greatly enhance receiver operation. If a receive signal is slightly off frequency, this control can be operated to optimize the receive signal. This control is primarily intended to tune in SSB signals, but it may also be used to optimize AM signals.

16. Mode Selector — This switch selects AM, USB, or LSB mode of operation. This selector changes the mode of operation of both transmitter and receiver simultaneously. Set the selector to the mode on which you wish communicate.

17. Mode Indicators — For easy identification, each mode (AM, USB, LSB) is shown in a different color.

Antenna Connector — This female connector permits connection of the transmission line cable male connector (PL-259) to the transceiver.

Public Address — An external 8 ohm 4 watt speaker must be connected to the PA SPKR jack located on the rear panel when the transceiver is used as a public address system. The speaker should be directed away from the microphone to prevent acoustic feedback. Physical separation or isolation of the microphone and speaker is important when operating the PA at high output levels.

Power — This jack permits connection of the DC power to the transceiver. A power cord with polarized plug is supplied with the radio. The polarized plug ensures that the power will always be connected properly.

External Speaker — The external speaker jack is used for remote receiver monitoring. The external speaker should have 8 ohm impedance and be rated to handle at least 4 watts. When the external speaker is plugged in, the internal speaker is automatically disconnected.

Warranty

Warrantor: Regency, a division of Uniden Corporation of America ("Regency").

Elements of Warranty: Regency warrants, for the duration of this warranty, President P300 CB Radio (hereinafter referred to as the Product) to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

Warranty Duration: This warranty shall terminate and be of no further effect one (1) year after the date of the original purchase of the Product or the time the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, (C) improperly installed, (d) repaired by someone other than warrantor for a defect or malfunction covered by this warranty, (E) used in a manner or purpose for which the Product was not intended, or (F) sold by the original purchaser.

Statement of Remedy: In the event that the Product does not conform to this warranty at any time while this warranty is in effect, warrantor will repair the defect and return it to you without charge for parts, service, or any other cost incurred by warrantor or its representatives in connection with the performance of this warranty. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OF PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Warranty Registration Card: In order to facilitate the servicing of this warranty by warrantor, the Warranty Registration Card should be returned to the warrantor. However, return of the Warranty Registration Card not a precondition of this warranty, and this warranty will be observed by the warrantor whether or not the Warranty Registration Card is returned, provided that other satisfactory evidence of the date of purchase is provided.

Procedure for Obtaining Performance of Warranty: In the event that the Product does not conform to this warranty, the Product should be shipped or delivered, freight prepaid, to warrantor at Regency Customer Service Center, 9340 Castlegate Drive, Indianapolis, IN 46256 with evidence of original purchase.

Legal Remedies: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty is void outside of the United States of America.

Installation

Mobile Station Installation

Plan the location of the transceiver and microphone bracket before starting the installation. Select a location that is convenient for operation and does not interfere with the driver, passenger, or safe operation of the vehicle. The radio should be securely fastened to some solid surface, using the mounting bracket and self-tapping screws which are provided.

Mobile Station Antenna

Since the maximum allowable power output of the transmitter is limited by the FCC, the antenna is a very important factor affecting transmission distance. It is for this reason that we strongly recommend that you install only a quality antenna with your new radio. You have just purchased a superior transceiver. Don't diminish its performance by installing an inferior antenna.

Only a properly matched antenna system will allow maximum power transfer from the 50 ohm transmission line to the radiating element. Your President dealer is qualified to assist you in the selection of the proper antenna to meet your application requirements.

For automobile installation, the whip antenna may be used with good effect. The most efficient and practical installation is a full quarter wave whip antenna mounted on the rear deck or fender top midway between the rear window and bumper.

A short "loaded" whip antenna is more convenient to install on your automobile, although the efficiency is less than a full quarter wave whip antenna.

For marine installation, consult your dealer for information regarding an adequate grounding system and prevention of electrolysis between fittings in the hull and water.

Connecting the Power Cords

With regard to the connection of the power cords, it may be possible or desirable to connect the (red lead for negative ground system) or (black lead for positive ground system) to the ignition switch accessory terminal so that the transceiver is automatically turned off when the ignition switch (key) is turned off.

Alternatively, the power lead may be connected to an available terminal on the fuse block or even to a point in the wiring harness. Care must be taken, however, to guard against a short circuit condition. When in doubt, please contact your vehicle dealer for specific information for your vehicle.

Installation & Operation

Ground Information

Note: This transceiver may be installed and used in any 12 Volt DC Negative or positive ground system vehicle.

Most newer US and foreign made cars and small trucks use a negative ground system, while some older cars and some newer large trucks may use a positive ground system. A negative ground system is generally identified by the negative (-) battery terminal being connected to the vehicle motor block, but if you cannot determine the polarity system of our vehicle, it is suggested that you consult your vehicle dealer for definite information.

Negative Ground System

If you are operating on a negative ground system, connect the red DC power cord from the transceiver to the positive, or (+) battery terminal or other convenient point and connect the black power lead to the chassis or vehicle frame or negative (-) battery terminal.

Positive Ground System

If you are operating on a positive ground system, connect the black DC power cord from the transceiver to the negative or (-) battery terminal or other convenient point, and connect the red power lead to the chassis or vehicle frame, or positive (+) battery terminal.

Operating Procedure to Receive

1. Be sure that the power source, antenna and microphone are connected to the proper connectors before going to the next steps.
2. Turn the unit ON by rotating the volume control clockwise.
3. Set the channel selector switch to the desired channel.
4. Set the mode selector to the desired mode (AM, USB, or LSB)
5. Set the Volume control to a comfortable listening level.
6. Listen to the background noise from the speaker. Turn the Squelch control slowly clockwise until the noise JUST disappears (no signal should be present). Leave the control at this setting. The Squelch is now properly adjusted. The receiver will remain quiet until a signal is actually received. Do not advance the control too far, or some of the weaker signals will not be heard.
7. Use the Clarifier to clearly receive USB or LSB signals.

Operation & Maintenance

Operating Procedure to Transmit

Warning

The transmitter Voltage Standing Wave Ration (VSWR) measurement must be performed prior to the use of the transmitter. A VSWR ration in excess of 2:1 may damage the transmitter.

1. Be sure that the operator has read and understands Part 95 of the FCC Rules and Regulations prior to operating the transmitter.
2. Select the desired channel and mode.
3. If the channel is clear, depress the push to talk switch on the microphone and speak in a normal voice.

Preventative Maintenance

At six to twelve month intervals, the following system checks should be made:

1. Check standing wave ratio (VSWR).
2. Inspect all electrical connections to ensure that they are tight.
3. Inspect antenna coaxial cable for wear or breaks on shielding.
4. Inspect all screws and other mounting hardware for tightness.

Operator Troubleshooting

Should the unit malfunction or not perform properly, the operator should perform the procedures indicated below:

1. If the transceiver is completely inoperative:
 - A. Check the power cord and fuse.
2. If trouble is experienced with receiving:
 - A. Check ON/OFF/VOLUME control setting.
 - B. Be sure squelch is adjusted properly. Is radio over-squelched?
 - C. Check to see that the radio is switched to an operational mode.
3. If trouble is experienced with transmitting:
 - A. Check to see that the transmission line (coaxial cable) is securely connected to the antenna connector.
 - B. Be sure that the antenna is fully extended for proper operation.
 - C. Be sure that all transmission line (coaxial cable) connections are secure and free of corrosion.

Specifications

General

Channels	40AM/40 USB/40 LSB
Frequency Range	26.965 - 27.405 MHz
Frequency Control	Phase Locked Loop Synthesized
Antenna Impedance	50 ohm
Power Input	13.8V DC nominal
Accessories	DC power cord Microphone Microphone hanger Mounting Bracket
Size (WxDxH)	7 9/32" x 9 5/64" x 2 9/32"

Transmitter

Output Power	4 watts
Emission Type	AM/USB/LSB
Hum and Noise	Better than - 40 dB
Frequency Tolerance	0.005%
Modulation Percentage (peak)	100%
Spurious Rejection	Better than -60 dB

Receiver

Sensitivity at 10 dB S+N/N	0.5 μ V AM, 0.25 μ V SSB
Sensitivity at 500 mW audio output	0.5 μ V
Squelch Threshold	0.5 μ V
Squelch Tight	1000 μ V
Signal Meter S-9	100 μ V
Audio output power (10% dist.)	3 watts
Selectivity @ 6 dB down	7 KHz
Adjacent Channel Rejection	-60 dB
Image Rejection	-80 dB
Speaker Impedance	16 ohm

Public Address

Output Power @ 10% dist.	3 watts
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Channel Frequencies

Channel	Channel Frequency in MHz	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	26.025	26	27.265
7	27.035	27	27.275
8	27.055	24	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

NOTE: This radio has been designed to operate in the 11 meter Citizens Radio Service. It uses a frequency synthesizing circuit with Phase Locked Loop (PLL) techniques to provide crystal controlled transmit and receive operation on all 40 channels. The PLL circuitry assures ultraprecise frequency control. It is designed to meet the Federal Communications Commission requirements applicable to equipment operating in the Citizens Band Radio Service, and is not to be used for any other purpose.

PRESIDENT P 300 Product Registration Card

Thank you for choosing a President Personal Communications Product. You have chosen one of the most sophisticated, technologically advanced electronic products available. Please fill out the requested information on this card so that we can better understand our customers and their needs. With this information we can plan new products, advertising, and guide our customer service programs. Thanks for your help.

1. ☐ Mr. 2. ☐ Mrs. 3. ☐ Ms. 4. ☐ Miss

5. First Name

6. Initial

7. Last Name

8. Street

9. Apt. No.

10. City

11. State 12. Zip

13. Date of Purchase:

Mo.

Day

Yr.

14. Serial No.

15. Is this the first CB Radio you have purchased or received as a gift?

YES ☐ NO ☐

16. If NO, please specify brand and model number purchased.

A. _____

B. _____

C. _____

17. Where did you purchase the product?

- ☐ Department Store
☐ Discount Store
☐ Catalog Showroom
☐ Electronics Specialty Store
☐ Local Electronics Dealer
☐ Mail Order
☐ Gift
☐ Truck Stop

18. How did you become aware of this product?

- ☐ TV Advertisement
☐ Magazine Advertisement
☐ Newspaper Advertisement
☐ Store Display
☐ Friend's Recommendation
☐ Salesperson's Recommendation
☐ Previous Use

19. Please check two of the factors that most influenced your purchase of this product.

- ☐ Style or Appearance
☐ Price
☐ Reputation
☐ Warranty
☐ Previous Use
☐ Features
☐ Quality

20. Please check your age category

- ☐ Under 20
☐ 20-25
☐ 26-30
☐ 31-35
☐ 36-40
☐ 41-45
☐ 46-50
☐ 51-55
☐ 56-60
☐ 61-65
☐ 66 & Over

21. Occupation

- ☐ Homemaker
☐ Teacher/Educator
☐ Professional Driver
☐ Executive/Administrator
☐ Civil Servant
☐ Sales/Marketing
☐ Clerical
☐ Farmer/Agriculture
☐ Military
☐ Technical/Professional
☐ Business/Professional
☐ Craftworker
☐ Machine Operator/Laborer
☐ Retired
☐ Student

22. Please check your approximate family income.

- ☐ Under \$10,000
☐ \$10,000-19,999
☐ \$20,000-29,999
☐ \$30,000-39,999
☐ \$40,000-49,999
☐ \$50,000-59,999
☐ \$60,000 & Over

CUT

PLACE
FIRST CLASS
STAMP
HERE



Uniden Corporation of America

**4700 Amon Carter Boulevard
Fort Worth, Texas 76155**

ATTN: MARKET RESEARCH DEPARTMENT

Please do not send any products or service related correspondence to this address

Please fold here

23. What types of credit cards do you use?

- ☐ American Express, Diners Club, Carte Blanche
- ☐ Bank Card (Master Card, Visa, etc.)
- ☐ Gasoline Card. Name _____
- ☐ Department Store Card
- ☐ None of the above

24. What type of car(s) do you drive?

- ☐ Compact
- ☐ Mid Size
- ☐ Sports
- ☐ Full Size
- ☐ Station Wagon
- ☐ Van
- ☐ Recreation Vehicle
- ☐ Specialty
- ☐ Motor Cycle
- ☐ Pick Up

25. What magazine(s) do you read?

- ☐ Road & Track
- ☐ Car & Driver
- ☐ Motor Trend
- ☐ Auto Week
- ☐ American Trucker
- ☐ Road King
- ☐ Playboy
- ☐ Sports Illustrated
- ☐ Penthouse
- ☐ Time
- ☐ Newsweek
- ☐ Popular Science
- ☐ Popular Mechanics
- ☐ Consumer Reports
- ☐ People

Thank you for taking the time to complete this questionnaire. If you have any other comments or suggestions please write to

UNIDEN CORPORATION OF AMERICA

**Product Development Dept.
4700 Amon Carter Boulevard
Fort Worth, Texas 76155**

UTRE01554ZZ

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INSTRUCTIONS: Fill out both sides of card. Cut out on dashed line.
Fold on dotted line. Fold over flap and seal with glue or paste.
Affix postage and mail.

Please fold here

Part 95
Subpart D

CB

Citizens Band Radio Service Rules 95.401

prepared by the
Federal Communications Commission
Washington, D.C.

Effective: **June 3, 1983**



Subpart D—Citizens Band (CB) Radio Service

General Provisions

§ 95.401 (CB Rule 1) What is the Citizens Band (CB) Radio Service?

The CB Radio Service is a private, two-way, short-distance voice communications service for personal or business activities. The CB Radio Service may also be used for voice paging.

§ 95.402 (CB Rule 2) How do I use these rules?

(a) You must comply with these rules (See CB Rule 21 § 95.421, for the penalties for violations) when you operate a station in the CB Service from:

(1) Within or over the territorial limits of places where radio services are regulated by the FCC (see CB Rule 5, § 95.405);

(2) Aboard any vessel or aircraft registered in the United States; *OR*

(3) Aboard any unregistered vessel or aircraft owned or operated by a United States citizen or company.

(b) Your CB station must comply with technical rules found in Subpart E of Part 95.

(c) Where the rules use the word “you”, “you” means a person operating a CB station.

(d) Where the rules use the word “person,” the rules are concerned with an individual, a corporation, a partnership, an association, a joint stock company, a trust, a state, territorial or local government unit, or other legal entity.

(e) Where the rules use the term “FCC”, that means the Federal Communications Commission.

(f) Where the rules use the term “CB station”, that means a radio station transmitting in the CB Radio Service.

§ 95.403 (CB Rule 3) Am I eligible to operate a CB station?

You are authorized to operate a CB station unless:

(a) You are a foreign government, a representative of a foreign government,

or a federal government agency; *OR*

(b) The FCC has issued a cease and desist order to you, and the order is still in effect.

§ 95.404 (CB Rule 4) Do I need a license?

You do not need an individual license to operate a CB station. You are authorized by this rule to operate your CB station in accordance with the rules in this Subpart.

§ 95.405 (CB Rule 5) Where may I operate my CB station?

You are authorized to operate your CB station from:

(a) Within or over any area of the world where radio services are regulated by the FCC. Those areas are within the territorial limits of:

- (1) The fifty United States.
- (2) The District of Columbia.

Caribbean Insular areas

(3) Commonwealth of Puerto Rico.

(4) Navassa Island.

(5) United States Virgin Islands (50 islets and cays).

Pacific Insular areas

(6) American Samoa (seven islands).

(7) Baker Island.

(8) Commonwealth of Northern Mariana Islands.

(9) Guam Island.

(10) Howland Island.

(11) Jarvis Island.

(12) Johnston Island (Islets East, Johnston, North and Sand).

(13) Kingman Reef.

(14) Midway Island (Islets Eastern and Sand).

(15) Palmyra Island (more than 50 islets).

(16) Wake Island (Islets Peale, Wake and Wilkes).

(b) Any other area of the world, except within the territorial limits of areas where radio services are regulated by—

(1) An agency of the United States other than the FCC. (You are subject

to its rules.)

(2) Any foreign government. (You are subject to its rules.)

(c) An aircraft or ship, with the permission of the captain, within or over any area of the world where radio services are regulated by the FCC or upon or over international waters. You must operate your CB station according to any applicable treaty to which the United States is a party.

§ 95.406 (CB Rule 6) Are there any special restrictions on the location of my CB station?

(a) If your CB station is located on premises controlled by the Department of Defense you may be required to comply with additional regulations imposed by the commanding officer of the installation.

(b) If your CB station will be constructed on land of environmental or historical importance (such as a location significant in American history, architecture or culture), you may be required to provide information and to comply with §§ 1.1305 through 1.1319 of the FCC's Rules.

How To Operate a CB Station

§ 95.407 (CB Rule 7) On what channels may I operate?

(a) Your CB station may transmit only on the following channels (frequencies):

Channel	Frequency (megahertz MHz)
1.....	26.965
2.....	26.975
3.....	26.985
4.....	27.005
5.....	27.015
6.....	27.025
7.....	27.035
8.....	27.055
9.....	27.065
10.....	27.075
11.....	27.085
12.....	27.105
13.....	27.115
14.....	27.125
15.....	27.135
16.....	27.155
17.....	27.165

18.....	27.175
19.....	27.185
20.....	27.205
21.....	27.215
22.....	27.225
23.....	27.255
24.....	27.235
25.....	27.245
26.....	27.265
27.....	27.275
28.....	27.285
29.....	27.295
30.....	27.305
31.....	27.315
32.....	27.325
33.....	27.335
34.....	27.345
35.....	27.355
36.....	27.365
37.....	27.375
38.....	27.385
39.....	27.395
40.....	27.405

¹ See paragraph (b) of this section.

(b) Channel 9 may be used only for emergency communications or for traveler assistance.

(c) You must, at all times and on all channels, give priority to emergency communication messages concerning the immediate safety of life or the immediate protection of property.

(d) You may use any channel for emergency communications or for traveler assistance.

(e) You must share each channel with other users.

(f) The FCC will not assign any channel for the private or exclusive use of any particular CB station or group of stations.

(g) The FCC will not assign any channel for the private or exclusive use of CB stations transmitting single sideband or AM.

§ 95.408 (CB Rule 8) How high may I put my antenna?

(a) "Antenna" means the radiating system (for transmitting receiving or both) and the structure holding it up (tower, pole or mast). It also means everything else attached to the radiating system and the structure.

(b) If your antenna is mounted on a hand-held portable unit, none of the following limitations apply.

(c) If your antenna is installed at a fixed location it (whether receiving transmitting or both) must comply with either one of the following:

(1) The highest point must not be more than 6.10 meters (20 feet) higher than the highest point of the building or tree on which it is mounted; *OR*

(2) The highest point must not be more than 16.3 meters (60 feet) above the ground.

(d) If your CB station is located near an airport, and if your antenna structure is more than 6.1 meters (20 feet) high, you may have to obey additional restrictions. The highest point of your antenna must not exceed one meter above the airport elevation for every hundred meters of distance from the nearest point of the nearest airport runway. Differences in ground elevation between your antenna and the airport runway may complicate this formula. If your CB station is near an airport, you may contact the nearest FCC field office for a worksheet to help you figure the maximum allowable height for your antenna. Consult Part 17 of the FCC's Rules for more information.

WARNING: Installation and removal of CB Station Antennas near powerlines is dangerous. For your safety follow the installation directions included with your antenna.

§ 95.409 (CB Rule 9) What equipment may I use at my CB station?

(a) You must use an FCC type-accepted CB transmitter at your CB station. You can identify an FCC type-accepted transmitter by the type-acceptance label placed on it by the manufacturer. You may examine a list of type-accepted equipment at any FCC Field Office or at FCC Headquarters. Use of a transmitter which is not FCC type-accepted voids your authority to operate the station.

(b) You must not make, or have made, any internal modification to a type-accepted CB transmitter. (See CB Rule 25. § 95.425). Any internal modification to a type-accepted CB transmitter cancels the type-acceptance, and use of such a transmitter voids your authority to operate the station.

§ 95.410 (CB Rule 10) How much power may I use?

(a) Your CB station transmitter power output must not exceed the following values under any conditions:

AM (A3)—4 watts (carrier power)
SSB—12 watts (peak envelope power)

(b) If you need more information about the power rule, see the technical rules in Subpart E of Part 95.

(c) Use of a transmitter which has carrier or peak envelope power in excess of that authorized voids your authority to operate the station.

§ 95.411 (CB Rule 11) May I use power amplifiers?

(a) You may not attach the following items (power amplifiers) to your type-accepted CB transmitter in any way:

(1) External radio frequency (RF) power amplifiers (sometimes called linears or linear amplifiers): *OR*

(2) Any other devices which, when used with a radio transmitter as a signal source, are capable of amplifying the signal.

(b) There are no exceptions to this rule and use of a power amplifier voids your authority to operate the station.

(c) The FCC will presume you have used a linear or other external RF power amplifier if—

(1) It is in your possession or on your premises; *AND*

(2) There is other evidence that you have operated your CB station with more power than allowed by CB Rule 10, § 95.410.

(d) Paragraph (c) of this section does not apply if you hold a license in another radio service which allows you to operate an external RF power amplifier.

§ 95.412 (CB Rule 12) What communications may be transmitted?

(a) You may use your CB station to transmit two-way plain language communications. Two-way plain language communications are communications without codes or coded messages. Operating signals such as "ten codes" are not considered codes

or coded messages. You may transmit two-way plain language communications only to other CB stations, to units of your own CB station or to authorized government stations on CB frequencies about—

(1) Your personal or business activities or those of members of your immediate family living in your household;

(2) Emergencies (see CB Rule 18, § 95.418);

(3) Traveler assistance (see CB Rule 18, § 95.418); *or*

(4) Civil defense activities in connection with official tests or drills conducted by, or actual emergencies announced by, the civil defense agency with authority over the area in which your station is located.

(b) You may use your CB station to transmit a tone signal only when the signal is used to make contact or to continue communications. (Examples of circuits using these signals are tone operated squelch and selective calling circuits.) If the signal is an audible tone, it must last no longer than 15 seconds at one time. If the signal is a subaudible tone, it may be transmitted continuously only as long as you are talking.

(c) You may use your CB station to transmit one-way communications (messages which are not intended to establish communications between two or more particular CB stations) only for emergency communications, traveler assistance, brief tests (radio checks) or voice paging.

§ 95.413 (CB Rule 13) What communications are prohibited?

(a) You must not use a CB station—

(1) In connection with any activity which is against federal state or local law;

(2) To transmit obscene, indecent or profane words, language or meaning;

(3) To interfere intentionally with the communications of another CB station;

(4) To transmit one-way communications, except for emergency communications, traveler assistance, brief tests (radio checks),

or voice paging;

(5) To advertise or solicit the sale of any goods or services;

(6) To transmit music, whistling, sound effects or any material to amuse or entertain;

(7) To transmit any sound effect solely to attract attention;

(8) To transmit the word "MAYDAY" or any other international distress signal, except when your station is located in a ship, aircraft or other vehicle which is threatened by grave and imminent danger and you are requesting immediate assistance;

(9) To communicate with, or attempt to communicate with, any CB station more than 250 kilometers (155.3 miles) away;

(10) To advertise a political candidate or political campaign; (you may use your CB radio for the business or organizational aspects of a campaign if you follow all other applicable rules);

(11) To communicate with stations in other countries, except General Radio Service stations in Canada: *or*

(12) To transmit a false or deceptive communication.

(b) You must not use a CB station to transmit communications for live or delayed rebroadcast on a radio or television broadcast station. You may use your CB station to gather news items or to prepare programs.

§ 95.414 (CB Rule 14) May I be paid to use my CB station?

(a) You may not accept direct or indirect payment for transmitting with a CB station.

(b) You may use a CB station to help you provide a service, and be paid for that service, as long as you are paid only for the service and not for the actual use of the CB station.

§ 95.415 (CB Rule 15) who is responsible for communications I make?

You are responsible for all communications which are made by you from a CB station.

§ 95.416 (CB Rule 16) Do I have to limit the length of my communications?

(a) You must limit your CB communications to the minimum practical time.

(b) If you are communicating with another CB station or stations, you, and the stations communicating with you, must limit each of your conversations to no more than five continuous minutes.

(c) At the end of your conversation, you, and the stations communicating with you, must not transmit again for at least one minute.

§ 95.417 (CB Rule 17) Do I identify my CB communications?

(a) You need not identify your CB communications.

(b) [You are encouraged to identify your CB communications by any of the following means:

(1) Previously assigned CB call sign;

(2) K prefix followed by operator initials and residence zip code;

(3) Name; *OR*

(4) Organizational description including name and any applicable operator unit number.]

(c) [You are encouraged to use your "handle" only in conjunction with the methods of identification listed in paragraph (b) of this section.]

§ 95.418 (CB Rule 18) How do I use my CB station in an emergency or to assist a traveler?

(a) You must at all times and on all channels, give priority to emergency communications.

(b) When you are directly participating in emergency communications, you do not have to comply with the rule about length of transmissions (CB Rule 16, § 95.416). You must obey all other rules.

(c) You may use your CB station for communications necessary to assist a traveler to reach a destination or to receive necessary services. When you are using your CB station to assist a traveler, you do not have to obey the rule about length of transmissions (CB Rule 16, § 95.416). You must obey all other rules.

§ 95.419 (CB Rule 19) May I operate my CB station transmitter by remote control?

(a) You may not operate a CB station transmitter by radio remote control.

(b) You may operate a CB transmitter by wireline remote control if you obtain specific approval in writing from the FCC. To obtain FCC approval, you must show why you need to operate your station by wireline remote control. Send your request and justification to FCC, Gettysburg, Pa 17325. If you receive FCC approval, you must keep the approval as part of your station records. (See CB Rule 27, § 95.427.)

(c) Remote control means operation of a CB transmitter from any place other than the location of the CB transmitter. Direct mechanical control or direct electrical control by wire from some point on the same premises, craft or vehicle as the CB transmitter is not considered remote control.

§ 95.420 (CB Rule 20) May I connect my CB transmitter to a telephone?

(a) You may connect your CB station transmitter to a telephone if you comply with all of the following:

(1) You or someone else must be present at your CB station and must—

(i) Manually make the connection (the connection must not be made by remote control);

(ii) Supervise the operation of the transmitter during the connection;

(iii) Listen to each communication during the connection; *AND*

(iv) Stop all communications if there are operations in violation of these rules.

(2) Each communication during the telephone connection must comply with all of these rules.

(3) You must obey any restriction that the telephone company places on the connection of a CB transmitter to a telephone.

(b) The CB transmitter you connect to a telephone must not be shared with any other CB station.

(c) If you connect your CB transmitter to a telephone, you must use a phone patch device which has

been registered with the FCC.

Other Things You Need to Know

§ 95.421 (CB Rule 21) What are the penalties for violating these rules?

(a) If the FCC finds that you have willfully or repeatedly violated the Communications Act or the FCC Rules, you may have to pay as much as \$2,000 for each violation, up to a total of \$5,000. (See Section 503(b) of the Communications Act.)

(b) If the FCC finds that you have violated any section of the Communications Act or the FCC Rules, you may be ordered to stop whatever action caused the violation. (See Section 312(b) of the Communications Act.)

(c) If a federal court finds that you have willfully and knowingly violated any FCC Rule, you may be fined up to \$500 for each day you committed the violation. (See Section 502 of the Communications Act.)

(d) If a federal court finds that you have willfully and knowingly violated any provision of the Communications Act, you may be fined up to \$10,000 or you may be imprisoned for one year, or both. (See Section 501 of the Communications Act.)

§ 95.422 (CB Rule 22) How do I answer correspondence from the FCC?

(a) If it appears to the FCC that you have violated the Communications Act or these rules, the FCC may send you a discrepancy notice.

(b) Within the time period stated in the notice, you must answer with:

(1) A complete written statement about the apparent discrepancy;

(2) A complete written statement about any action you have taken to correct the apparent violation and to prevent it from happening again: *AND*

(3) The name of the person operating at the time of the apparent violation.

(c) If the FCC sends you a letter asking you questions about your CB radio station or its operation, you must answer each of the questions with a complete written statement within the time period stated in the letter.

(d) You must not shorten your answer by references to other communications or notices.

(e) You must send your answer to the FCC office which sent you the notice.

(f) You must keep a copy of your answer in your station records. (See CB Rule 27, § 95.427.

§ 95.423 (CB Rule 23) What must I do if the FCC tells me that my CB station is causing interference?

(a) If the FCC tells you that your CB station is causing interference for technical reasons you must follow all instructions in the official FCC notice. (This notice may require you to have technical adjustments made to your equipment.)

(b) You must comply with any restricted hours of CB station operation which may be included in the official notice.

§ 95.424 (CB Rule 24) How do I have my CB station transmitter serviced?

(a) You may adjust an antenna to your CB transmitter and you may make radio checks. (A radio check means a one way transmission for a short time in order to test the transmitter.)

(b) Each internal repair and each internal adjustment to your FCC type-accepted CB transmitter (See CB Rule 9, § 95.409) must be made by or under the direct supervision of a person licensed by the FCC as a General Radiotelephone Operator.

(c) Except as provided in paragraph (d) of this section, each internal repair and each internal adjustment of a CB transmitter in which signals are transmitted must be made using a nonradiating ("dummy") antenna.

(d) Brief test signals (signals not longer than one minute during any five minute period) using a radiating antenna may be transmitted in order to:

(1) Adjust an antenna to a transmitter;

(2) Detect or measure radiation of energy other than the intended signal; *OR*

(3) Tune a receiver to your CB transmitter.

§ 95.425 (CB Rule 25) May I make any changes to my CB station transmitter?

(a) You must not make or have any one else make any internal modification to your CB transmitter.

(b) Internal modification does not include:

(1) Repair or servicing of a CB station transmitter (see CB Rule 24, § 95.424); *OR*

(2) Changing plug-in modules which were type accepted as part of your CB transmitter.

(c) You must not operate a CB transmitter which has been modified by anyone in any way, including modification to operate on unauthorized frequencies or with illegal power. (See CB Rules 9 and 11, § 95.409 and 95.411.)

§ 95.426 (CB Rule 26) Do I have to make my CB station available for inspection?

(a) If an authorized FCC representative requests to inspect your CB station, you must make your CB station and records available for inspection.

(b) A CB station includes all of the radio equipment you use.

§ 95.427 (CB Rule 27) What are my station records?

Your station records include the following documents, as applicable.

(a) A copy of each response to an FCC violation notice or an FCC letter (See CB Rule 22, § 95.422.)

(b) Each written permission received from the FCC. (See CB Rule 19, § 95.419.)

§ 95.428 (CB Rule 28) How do I contact the FCC?

(a) Write to your nearest FCC Field Office if you:

(1) Want to report an interference complaint; *OR*

(2) Want to know if the FCC has type-accepted a transmitter for CB.

(b) Write to the FCC, Private Radio Bureau, Personal Radio Branch, Washington, D.C. 20554 if you have questions about the CB Rules.

9. Paragraph (f) of § 95.645 of the rules is revised to read:

§ 95.645 Additional requirements for type acceptance.

* * * * *

(f) A copy of Subpart D of Prt 95 of the Commission's Rules, to be current at the time of packing of the transmitter, shall be furnished with each transmitter.

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