

uniden®

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**Citizens Band
Mobile Transceiver**

PC68LTW

—DRAFT—

OPERATING GUIDE

Introduction

Welcome to the exciting world of CB radio communication! Your Uniden Citizens Band Mobile Transceiver represents the highest quality communications device designed for use in the Citizens Band Radio Service. This powerful unit operates on any of the 40 AM frequencies authorized by the Federal Communications Commission (FCC).

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- Dual noise reduction circuitry — Noise Blanker and Automatic Noise Limiter.
- Multi-function Meter — Measures the incoming Signal Strength, RF transmitter output power as well as SWR.
- RF GAIN control — Provides optimum receiving capability.
- Adjustable MIC GAIN control.
- DELTA TUNE — Enhances receiver operations. Also can be used to help minimize adjacent channel interference.
- Public Address System capability.
- Weather Channel monitoring.

WARNING

The Citizens Band (CB) Radio Service is under the jurisdiction of the Federal Communications Commission (FCC). Any adjustments or alterations which alter the performance of the transceiver's original FCC type acceptance, or change the frequency determining method, are strictly prohibited. Replacement or substitution of crystals, transistors, ICs, regulator diodes, or any other part of a unique nature, with parts other than those recommended by Uniden 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.

This radio has been type accepted and certified by the FCC.

Elimination of Licensing

The Federal Communications Commission has ruled that Citizens Band Radio Service operators are no longer required to obtain an FCC license to operate their CB equipment. In doing so, the FCC also permits CB stations to operate 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.

Front Panel

Volume Control — Turn VOLUME clockwise to turn the radio on. Use VOLUME to adjust the volume level of the audio.

Squelch Control — Adjust SQUELCH to eliminate background noise during the absence of a signal. Turn the control fully *counterclockwise*, then slowly rotate it back *clockwise* until all noise disappears. At this setting, any signal must be slightly stronger than the background noise to "break squelch" and be heard. Further clockwise rotation increases the threshold level below which weak signals are not heard. At the maximum clockwise setting, only the strong signals can "break squelch" and be heard.

Mike Gain Control — Use MIC GAIN to adjust the microphone gain during transmitting. At the maximum setting, you have full talk power during transmitting while holding the microphone at a comfortable distance. In the PA (Public Address) mode, this control adjusts the output volume of the PA speaker.

RF Gain — To adjust RF GAIN, turn the RF GAIN knob 4A clockwise to the "MAX" position. Turn counterclockwise to reduce incoming signal gain when a signal is strong enough to saturate your receiver.

Channel Selector — Turn this knob to select any one of the 40 channels desired. The selected channel is displayed on the LED readout, directly above the channel selector knob.

Important: All channels, except Channel 9, may be used for normal communication. Channel 9 is reserved by the FCC for emergency communications involving the immediate safety of individuals or the 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.

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Installation

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Mounting the Radio Bracket

1. First select an ideal location in your vehicle to mount the PC76XLW. Make sure the location will not interfere with your driving. In a passenger car, the ideal installation is underneath the dashboard on the passenger side.
2. Remove the mounting bracket from the radio and use it as a template for marking the location of the mounting screws. (Note: If there are screws already holding the dashboard, you can use the same screw holes to mount the bracket in its place.)
3. Drill the necessary holes and secure the mounting bracket in place using the screws provided.
4. Mount the radio to the bracket only after the wiring has been connected to the rear panel and the microphone hanger has been installed.

Mounting the Microphone Hanger

Mount the microphone hanger to the side the radio. Mounting holes are provided near the microphone connector and the other side of the unit. Use the screws supplied. You can also mount the hanger on the dashboard if preferred.

Connecting the Power Cord

1. Check the vehicle battery connections to determine which battery terminal (positive or negative) is grounded to the engine block or chassis. Most of today's automobiles are negative ground. If your automobile is negative ground, follow steps 2 and 3.
2. Connect the RED wire of the DC power cord to the accessory contact in your vehicle's +13.8 VDC fuse box.
3. Connect the BLACK wire of the DC power cord to the negative side of the automobile (usually the chassis).

Note: In positive ground automobiles, the RED wire connects to the chassis and the BLACK wire connects to the accessory contact in the fuse box.

4. Plug the DC power cord into the POWER jack on the rear panel.

Connecting the Antenna

Connect the CB antenna plug to the ANT jack on the rear panel. (For more information on antenna installation, please refer to the instruction guide that came with your antenna.)

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CB Antenna Tips

- In mobile installations (cars, trucks, or boats, etc.), use a non-directional antenna system for maximum transmitting and receiving performance.
- A vertically polarized quarter-wavelength whip antenna provides the most reliable operation and greatest range.
- A 3-way combination antenna allows you to operate all three bands (AM, FM, and CB) with one antenna. However, it will provide a far *less* transmitting and receiving range than a standard "single band" antenna designed for CB use only.
- The shorter loaded-type whip antennas are more attractive and compact than the larger full quarter-wavelength whip. However, the shorter antennas will not provide the maximum transmitting and receiving range that is possible with the larger ones.

Operation

Before operating the PC76XLW, be sure you have read and understood Part 95 of the FCC rules and regulations.

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Preparation

1. Be sure that the power cord, antenna, and microphone are properly connected.
2. Make sure the CB/PA switch is set to "CB".
3. Set the CH9/ **OFF** switch to **OFF**.
4. Set the RF GAIN to the "MAX" position.
5. Set the MIC GAIN to the "MAX" position (fully clockwise to the end).

7. Set the SQUELCH fully *counterclockwise*.
8. Set the meter switch to the "S/RF" position.
9. Turn on the power by rotating VOLUME.

To Receive

1. Adjust the VOLUME to a comfortable listening level.
2. Turn the CHANNEL SELECTOR to the desired channel.
3. Set the NB/ANL switch to the optimum position.
4. If you prefer to hear no background noise during the absence of an incoming signal, adjust the SQUELCH. To do this, first turn the CHANNEL SELECTOR to an open channel where there is only constant noise. Then, turn SQUELCH *clockwise* slowly until the noise just disappears. (No signal should be present while adjusting the SQUELCH.) Leave the control at this setting. The receiver will remain quiet until a signal is actually received. Changing the channel should not affect this SQUELCH setting.

Note: Do not advance SQUELCH too far, or some weaker signals will not be heard.

To Transmit

1. Set the CHANNEL SELECTOR to the desired channel.
2. Make sure the MIC GAIN is set to the "MAX" position.
3. If the channel is clear, press the PTT switch on the microphone to talk. Hold the microphone a few inches away and speak clearly.







Note: If the channel is busy, do not transmit until it becomes clear.

Emergency Operation

1. Set the CH9/NORMAL switch to "CH9", or turn the CHANNEL SELECTOR to Channel 9. Your PC76XLW is now in Emergency Channel operation mode.
2. If the channel is clear, press the PTT switch on the microphone to talk. Hold the microphone a few inches away and speak clearly.
3. It is possible that your present location is out of range to those who monitor Channel 9. If there is no response to your emergency call on Channel 9, set the CH9/ OFF switch to OFF. Then turn the CHANNEL SELECTOR to find an active channel. Ask the party on that channel for assistance in relaying your emergency message on Channel 9 in their area.
4. When emergency communication is no longer needed, set the CH9/ OFF switch back to OFF.

Rules You Should Know

When operating your CB, there are a few important rules to observe:

-  It is prohibited to carry on a conversation with another station for more than 5 minutes at a time without taking a 1-minute break, to give others a chance to use the channel.
-  It is prohibited to blast others off the air by over-powering them with illegally amplified transmitter power or illegally high antennas.
-  You must not use the CB to promote illegal activities.
-  It is illegal to use profanity.
-  You may not play music in your CB.
-  You may not use your CB to sell merchandise or professional services.

Care and Maintenance

The PC68LT is designed to give you years of trouble-free service. There are no user-serviceable parts inside, and except for the fuse in the DC power cord, no maintenance is required.

Note: Do not expose the unit to moisture. Rain, dew, or other liquids may damage the internal components.

Replacing the Fuse in the DC Power Cord

The main power lead (RED wire) on the DC power cord contains a 2-ampere, 3AG fuse in its holder.

To inspect or replace a blown fuse:

1. Press the ends of the fuse holder together and twist counterclockwise. Carefully separate the two halves.
2. Remove the fuse and inspect. If blown, replace with the *same* type.

Important: *Using any fuse other than the one specified for your PC76XLW may void the warranty.*

3. Replace the fuse inside the fuse holder, and reassemble the two halves by pressing the ends together and twisting clockwise.

Servicing Your CB

Technical information, diagrams, and charts are available upon request. It is the user's responsibility to see that this radio is operating at all times in accordance with the FCC Citizens Band Radio Service regulations. We highly recommend that you consult a qualified radiotelephone technician for service and alignment of this radio.

When ordering parts, please specify the correct model number and serial number of this radio.

Please refer to the "WARNING" information on page 1 of this manual.

Weather Channel Monitoring

1. Set the FUNCTION SELECTOR to WEATHER.
2. Set the W1 ~ W7 SELECTOR to the weather channel with the best reception.

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Weather Alert Monitoring

1. Set the FUNCTION SELECTOR to *. WX Mode .*
2. Continue to use the CB as normal.
3. When an alert is received, a seven second tone will be sounded.
4. Set the *. W1 ~ W7* SELECTOR to the weather channel with the best reception.

WARRANTY

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ONE YEAR LIMITED WARRANTY

WARRANTOR: UNIDEN AMERICA CORPORATION ("UNIDEN")

ELEMENTS OF WARRANTY: UNIDEN warrants, for one year, this UNIDEN 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 at 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 (except shipping and handling) incurred by warrantor or its authorized service centers in connection with the performance of this warranty. **THE ONE YEAR LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR 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.

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.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in this Operating Guide in the Troubleshooting section, you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging) and include a note describing the defect that has caused you to return it. The Product (with evidence of original purchase) should be shipped or delivered (by UPS or insured parcel post), freight prepaid, to warrantor at:

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8707 North By Northeast Blvd.
P.O. Box 501368
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(317) 842-2483 (Monday through Friday,
8:00 A.M. to 5:00 P.M. Eastern Standard Time).