# Uniden®

# \*\* Bearcat \*\* 980 SSB Owner's Manual



© 2024 Uniden America Corporation Flower Mound, Texas

Printed in Vietnam U01UT563ZZB(0)

# **CONTENTS**

SAFETY NOTICE	5
UNPACKING	5
DESCRIPTION	5
EMERGENCY OPERATION	6
CONTROLS AND FUNCTIONS	6
INSTALLATION	9
MOBILE INSTALLATION	9
Mobile Antenna	10
Connecting the Power Cords	10
Ground Information	10
INSTALL 6-PIN TO 4-PIN ADAPTER	11
MARINE INSTALLATION	11
USING YOUR BEARCAT 980 SSB	11
CB MODE	11
CD MODE	•••••
BASIC SETTINGS	
	11
BASIC SETTINGS	11 12
BASIC SETTINGSALL CHANNEL SCAN	11 12 12
BASIC SETTINGS ALL CHANNEL SCAN WEATHER MODE (WX MODE)	11 12 12 13
BASIC SETTINGS ALL CHANNEL SCAN WEATHER MODE (WX MODE) Set Weather Alert Mode	11 12 12 13
BASIC SETTINGS ALL CHANNEL SCAN WEATHER MODE (WX MODE)	11 12 12 13 13
BASIC SETTINGS ALL CHANNEL SCAN	11 12 12 13 13 14
BASIC SETTINGS	11 12 13 13 14 14
BASIC SETTINGS	11 12 13 13 14 14 14
BASIC SETTINGS	11 12 13 13 14 14 14 14
BASIC SETTINGS	11 12 13 14 14 14 14 14
BASIC SETTINGS	11 12 13 14 14 14 14 15
BASIC SETTINGS	11 12 13 13 14 14 14 14 15 15
BASIC SETTINGS	11 12 13 14 14 14 15 15 15

OTHER FEATURES	1/
S/RF/CAL/SWR Meter	
Calibrate Standing Wave Ratio (SWR)	17
PREVENTIVE MAINTENANCE	18
MAINTENANCE	18
TROUBLESHOOTING	18
SERVICING YOUR TRANSCEIVER	19
SPECIFICATIONS	20
FCC PART 15/IC COMPLIANCE	21
FCC COMPLIANCE	21
IC COMPLIANCE	22
ONE-YEAR LIMITED WARRANTY	23
RADIO CODE DEFINITIONS	25

Uniden is a registered trademark of Uniden America Corporation. Bearcat is a registered trademark of Uniden America Corporation.



Features, specifications, and availability of optional accessories are all subject to change without notice..

## **SAFETY NOTICE**

The antenna used for this radio must be properly installed and maintained and must provide a separation distance of at least 16.92 inches (43 cm) from all persons and must not be collocated or operated in conjunction with any other antenna or transmitter. Never transmit if any person is closer than the specified distance to the antenna.

Note that Uniden does not specify or supply any antenna with this transceiver. While a 0 dBi gain antenna is normal for a typical installation, the above limit applies to any antenna with up to 3 dBi gain.

## **UNPACKING**

Your Bearcat 980 SSB contains the following:

- Bearcat 980 SSB CB 2-way mobile radio
- Microphone
- Mounting Bracket Kit
- DC Power Cord
- 6-pin to 4-pin microphone adapter
- Owner's Manual
- Part 95 Subpart D (FCC Rules)

If any items are missing or damaged, contact your place of purchase immediately.

## **DESCRIPTION**

Your Uniden Bearcat 980 SSB represents the highest quality communications device designed for use in the Citizens Band Radio Service. It will operate on any of the 40 AM frequencies authorized by the Federal Communications Commission (FCC).



The Citizens Band 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 crystal, transistors, ICs, regulator diodes, or any other part of a unique nature, with parts other than those recommended by Uniden, may cause violations of the technical regulations in Part 95 of the FCC Rules or in violation of type acceptance requirements in Part 2 of the rules.

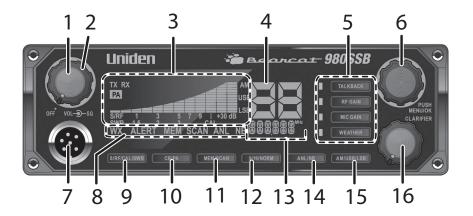
## **EMERGENCY OPERATION**

- 1. Press **9/19/NORM** or turn **Channel Selector** knob to Channel 9.
- 2. Press **PTT** on the microphone and speak clearly.
- 3. If there is no response, select an active channel and ask that party to relay your emergency broadcast on Channel 9.



All channels except Channel 9 may be used for normal communication. The FCC reserves Channel 9 for emergencies involving the immediate safety of individuals or protection of property. Use Channel 9 to render assistance to a motorist. This is an FCC rule and applies to all CB radio operators.

## **CONTROLS AND FUNCTIONS**



 Volume Control knob with Power On/Off. Turn the knob clockwise until it clicks to turn power on. Continue turning the knob clockwise to increase the volume. Turn the Volume Control knob counterclockwise to decrease the volume or until it clicks to turn power off.

- 2. **SQUELCH** knob: Reduces background noise when there is no incoming signal.
- 3. S/RF/CAL/SWR Meter: Displays Receive signal strength, RF Power, and SWR reading.
- 4. Channel Number display.
- 5. Operation buttons and associated LEDs:
  - *Talkback*: Talkback lets you monitor yourself when transmitting. Press *Talkback* to activate the function (LED = on). With Talkback active, press and hold the *PTT* button and adjust the talkback volume with the *Channel Selector* knob. (Levels 01 15). The LED will stay on for 5 seconds after you release the *PTT* button.
  - **RF Gain:** Adjusts receive signal sensitivity. With RF Gain active, press and hold the **PTT** button and adjust the gain levels with the **Channel Selector** knob. (Levels 1 5). The LED will stay on for 5 seconds after adjusted.
  - MIC Gain: Adjusts microphone gain. Delivers up to 100% modulation. With MIC Gain active, press and hold the PTT button and adjust the gain levels with the Channel Selector knob. (Levels 1 4). The LED will stay on for 5 seconds after you release the PTT button.
  - Weather: Press to toggle between Weather and CB channels. Turn Channel Selector to cycle through the 7 weather channels. (LED off = CB channels; LED on = Weather channels).

    Press and hold to turn Weather Alert on and off. FLERT displays.
- 6. **Channel Selector/MENU/OK**. Press the inner **MENU/OK** button to select a menu option or other selection. Turn the outer **Channel Selector** knob to:
  - Select channels.
  - Select Night or Day Modes. Press MENU/OK to set up your preferred day and night mode settings.
  - Select menu modes.
  - Change scan resume direction (up or down).
  - Control Talkback volume.
  - Control RF gain.
  - Control Mic gain level.



All channels except Channel 9 may be used for normal communication. The FCC reserves Channel 9 for emergencies involving the immediate safety of individuals or protection of property. Use Channel 9 to render assistance to a motorist. This is an FCC rule and applies to all CB operators.

- 7. Microphone socket.
- 8. Indicators turn on when the function is turned on.
- 9. **S/RF/CAL/SWR**: Press to check RF signal strength, calibration, and SWR reading.
- 10. **CB/PA:** Selects **CB** (Citizens Band) or **PA** (Public Address).



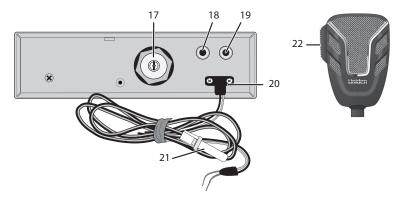
Do not use the PA function unless an external speaker is connected.

- 11. **MEM/SCAN**: Press to start or stop scanning modes [All Channel Scan (see *page 12*) and Memory Scan (see page 12)]. Press and hold to set or clear channel memory while in Memory mode.
- 12. **9/19/NORM**: Press to switch between emergency channel 9, channel 19, and standard CB channels.
- 13. Frequency Display: Displays the MHz of the selected channel. Also displays menu options.
- 14. ANL/NB: Provides 3-way control of ANL (Automatic Noise Limiter) or NB (Noise Blanker) features ANL on, NB on, or both ANL and NB on or off. ANL reduces external noise. NB reduces interference from vehicle ignition systems.
  For models produced after 10/2015: Press and hold for one second to turn key beep tone on and off.



Use this button to turn key beep on and off. Press and hold until BP ON or BP OFF displays.

- 15. **AM/USB/LSB**: Three-way switch to select AM, USB or LSB operation.
- 16. *Clarifier*: 1.5 kHz. Adjust Receive Frequency without changing the transmitter frequency (Fine and Course adjustment).



- 17. Antenna socket: Connects antenna to the unit.
- 18. **PA SP**: Connects optional external 8-ohm, 4-watt speaker for use as a public address system.



To prevent acoustic feedback, separate the microphone from the speaker when operating the PA at high output levels.

19. **EXT. SP**: Connects  $8\Omega$  4W speaker to remotely monitor receiver.



When the external speaker is plugged in, the internal speaker is off.

- 20. **POWER** +12 VDC: Connects DC power to transceiver.
- 21. **FUSE** 6A: Provides circuit protection to transceiver. Inline replaceable.
- 22. PTT: Push-to-Talk. Push microphone button.

## INSTALLATION

#### **MOBILE INSTALLATION**



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

- 1. Select a location that is convenient for operating the radio but does not interfere with the driver or passenger.
- 2. Install bracket with self-tapping screws provided.
- 3. Connect the power cords (see below).

- 4. Attach the microphone bracket to side of the radio or car dash.
- 5. Attach radio to bracket.

#### Mobile Antenna

Because the maximum power output of the transmitter is limited by the FCC, the quality of your antenna is very important. To achieve the maximum transmission distance, Uniden strongly recommends that you install only a high quality antenna. 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 Uniden dealer is qualified to help you select the proper antenna for your requirements. A whip style antenna may be used for automobile installation.

A short "loaded" whip antenna is easier to install on an automobile, but its efficiency is less than that of a full quarter-wave whip antenna.

## **Connecting the Power Cords**

Uniden recommends connecting the power lead to the Ignition Switch Accessory Terminal. This way, the transceiver is automatically turned off when the ignition switch is turned off.

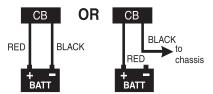
As an alternative, the power cord may be connected to an available terminal on the fuse block or to a point in the wiring harness. However, caution must be taken to prevent a short circuit. If in doubt, contact your vehicle dealer for information.

#### **Ground Information**



This transceiver may be installed and used in any 12-volt DC negative ground system vehicle.

**Negative Ground System** 



With a negative ground system, the negative (-) battery terminal is usually connected to the vehicle motor block.

Connect the red DC power cord from the transceiver to the positive (+) battery terminal or other convenient point. Then connect the black power cord to the vehicle chassis or negative (-) battery terminal.

#### **INSTALL 6-PIN TO 4-PIN ADAPTER**

The Bearcat 980 SSB is pre-configured for Uniden's 6-pin wireless, noise-cancelling technology. Your Bearcat 980 SSB comes with an adapter to connect the radio's 6-pin microphone jack to an aftermarket 4-pin microphone.

- 1. Insert the 6-pin side of the adapter into the Bearcat 980 SSB 6-pin microphone jack connection.
- 2. Plug a 4-pin microphone connector into the 4-pin side of the adapter.

#### MARINE INSTALLATION

Consult your dealer for information regarding marine installation. It is important to adequately ground the system and to prevent electrolysis between the fittings in the hull and the water.

## **USING YOUR BEARCAT 980 SSB**

#### **CB MODE**



Be sure that the power source, antenna, and microphone are properly connected before proceeding.

#### **BASIC SETTINGS**

- Turn unit on. Set volume to a comfortable level.
- 2. Select channel.
- 3. Set noise limitations as desired (ANL or NB or both).
- 4. Adjust Squelch.
  - Turn **SQUELCH** fully clockwise to receive strong signals.
  - Turn **SQUELCH** fully counterclockwise until you hear a hiss. All

- get through noise, weak signals, and strong signals.
- Turn **SQUELCH** back clockwise until the hiss stops. Only clearer signals get through.



Set SQUELCH only when the radio is not receiving a strong signal.

- 5. Press **RF Gain** to set RF gain.
- 6. Press *MIC Gain* then press *PTT* and turn the main control to adjust microphone sensitivity, up to 100% modulation between 1 4.
- 7. Set Backlight color (see page 15).
- 8. Set LCD Contrast (see page 15).
- 9. Set Brightness (see page 16).

#### **ALL CHANNEL SCAN**

When All Channel Scan is on, the radio scans channels until it receives a signal. It moves to the next channel if it receives no signal after 3 seconds.

- 1. Press **MEM/SCAN** twice if in CB mode (once if in MEM mode). SCAN displays.
- 2. The radio begins scanning upward through the channels.
  - To skip the channel the radio has stopped on, turn *Channel Selector* clockwise to move to the next channel or counter clockwise to move to the previous channel. The radio
     continues scanning in the selected direction.
  - To change to Memory Channel Scan mode, press MEM/SCAN while in All Channel Scan mode (see page 10).
- To exit All Channel Scan mode, press PTT, 9/19/NORM, WEATHER, or CB/PA.

## WEATHER MODE (WX MODE)

Your radio combines a CB radio with a Weather radio and a Weather Alert system. The Weather Alert system sounds a 7-second signal in the event of severe weather when in CB mode. The Weather radio continually broadcasts weather conditions when you are in Weather mode.

1. Press **WEATHER**. Your radio is now in Weather radio mode.

2. Select 1 of 7 weather channels using *Channel Selector*.



You cannot change ANL or NB settings while in WX mode. The radio will sound an alert tone.

#### Set Weather Scan Mode

Weather Scan mode allows the radio to move to the next weather channel if no signal is detected after 3 seconds. Set Weather Scan mode to DN or DFF through the menus.

- 1. Press **MENU/OK** to activate the menus. DAY/NT displays.
- 2. Turn the **Channel Selector** knob to cycle through the menu options until **LUXSCAN** displays.
- 3. Press **MENU/OK**. ON displays.
- 4. Press **MENU/OK** to set Weather Scan mode to DN or turn the selection knob until DFF displays and then press **MENU/OK** to set it. LUXSCAN displays again.



If Weather Scan is  $\Omega N$  when you turn off the radio, it remains  $\Omega N$ .

Left at these settings (WX mode, WX Scan), you will hear only weather broadcasts and Weather Alert signals. To use your CB radio normally while monitoring weather alerts, press **WEATHER** again.

#### Set Weather Alert Mode

Weather Alert mode only operates when you are in CB mode; it does not operate in Weather mode. In CB mode, the radio sounds an alert tone when it detects a 1050Hz tone on a weather channel.

Press and hold **WEATHER** to turn Weather Alert on. ALERT displays.

#### MEMORY MODE

You can store channels into memory and then scan only those channels.

### Save Channels Into Memory

- 1. Tune to a channel in CB mode.
- 2. Press and hold **MEM/SCAN** until SAVE appears (about 2 seconds).
- 3. Release **MEM/SCAN**.
- 4. The radio stays on the saved channel.

## **Scan Channels in Memory**

- 1. From All Channel Scan mode (see page 12), press **MEM/SCAN** until MEM and SCAN display; the radio scans memory channels only.
- 2. Press **MEM/SCAN** again to return to MEMORY mode or the last channel scanned.

## **Listen to Channels in Memory**

- 1. Press **MEM/SCAN** until **MEM** displays.
- 2. Turn the *Channel Selector* knob to hear the channels you saved.

## **Clear Channels from Memory**

- 1. In MEM mode, select a channel.
- 2. Press and hold **MEM/SCAN** until **CLEAR** displays.
- 3. Release **MEM/SCAN**. The radio plays the next channel in memory.

#### **MENUS**

Access menus by pressing **MENU/OK**. The first menu selection is Day or Night setting. Turn the **Channel Selector** knob to change the Day or Night setting.

## Press **MENU/OK** again for:

- Day/Night display intensity
- COLOR Backlight color
- CONT LCD Contrast
- BRIGHT Brightness
- WXSCAN Weather Scan mode
- DIAG Diagnostics
  - Battery Check
  - Antenna Mismatch Check
  - RF Power Check

#### ■ Exit

## Select Display Mode (Day/Night)

- 1. Press **MENU/OK** to access Day or Night selection.
- 2. Select Day or Night mode setting.
- 3. Press **MENU/OK** to activate your selection.

## Select Backlight Color

- Press MENU/OK to select Day or Night setting and then press MENU/OK again to activate your selection.
- 2. Press **MENU/OK** to activate the menus. Turn **Channel Selector** until **COLOR** displays.
- 3. Press **MENU/OK**. Turn **Channel Selector** until DAY displays.
- 4. Press **MENU/OK**. DAY blinks.
- 5. Turn *Channel Selector* to cycle through the available backlight colors or off (none). The selection number for that color displays in that color. The available colors are:

Option No:	Color	Option No:	Color
1	Blue	5	Magenta
2	Green	6	Yellow
3	Cyan	7	White
4	Red		

- 6. Press **MENU/OK** to select a color. **COLOR** displays.
- 7. Repeat these procedures to set the NIGHT backlight color.

#### Set LCD Contrast

- 1. Press **MENU/OK** to activate the menus. Turn **Channel Selector** until **CDNT** displays.
- 2. Press **MENU/OK**. Turn **Channel Selector** until DAY displays.
- 3. Press **MENU/OK**. DAY blinks.
- 4. Turn **Channel Selector** to cycle through the contrast options. (Lowest = 01; Highest = 15)
- 5. Press **MENU/OK** to select the one you want. **CONT** displays again.
- 6. Repeat these procedures to set the NIGHT contrast level.

## **Set Brightness**

- 1. Press **MENU/OK** to activate the menus. Turn **Channel Selector** until **BRIGHT** displays.
- 2. Press **MENU/OK**. DAY displays.
- 3. Press **MENU/OK**. DAY blinks.
- 4. Turn *Channel Selector* to cycle through the brightness options. (Lowest = 01; Highest = 15)
- 5. Press **MENU/OK** to select the one you want. **BRIGHT** displays again.
- 6. Repeat these procedures to set the NIGHT brightness level.

## **Diagnostic Menus**

- 1. Press **MENU/OK** to activate the menus.
- 2. Turn **Channel Selector** until **DIAG** displays.
- 3. Press **MENU/OK** to enter the DIAG level.

From the DIAG level, you can check battery power levels, antenna mismatch and RF power levels.

### **Battery Check**

Check the DC power levels if you feel your radio is not performing properly.

- 1. Once DIAG displays, press **MENU/OK**; VDLT displays.
- 2. Press **MENU/OK**; the battery voltage displays for 2 seconds and then the battery voltage condition displays:
  - PASS Voltage is good.
  - FAILLO Voltage is too low.
  - FAILHI Voltage is too high.
- 3. Press **MENU/OK** to return to the **DIAG** level.

#### **RF Power Check**

RF alerts indicate that the transmission levels are not acceptable.

- 1. Once DIAG displays, press **MENU/OK**; VDLT displays.
- 2. Turn *Channel Selector* until *RF DUT* displays.
- 3. Press **MENU/OK**. GO PTT displays.
- 4. Press and hold *PTT*. The RF power condition, *PASS* or *FAIL*, displays. (If *FAIL* displays, see the *Troubleshooting* section, page 18.)

- 5. Release **PTT**: 60 PTT displays.
- 6. Press **MENU/OK** to return to the DIAG level.

#### **Antenna Mismatch Check**

An antenna mismatch indicates that reception quality may be impaired.

- 1. Once DIAG displays, press **MENU/OK**; VDLT displays.
- 2. Turn *Channel Selector* until *ANT* displays.
- 3. Press **MENU/OK**. GO PTT displays.
- 4. Press and hold *PTT*. The Antenna Mismatch condition, *PASS* or *FAIL*, displays.
- 5. Release **PTT** and press **MENU/OK** to return to the **DIAG** level.

#### **EXIT Menu**

Exit the menus from the main menu levels (COLOR, CONT, BRIGHT, WXSCAN, and DIAG). From this level, turn *Channel Selector* until *EXIT* displays. Press *MENU/OK*. The radio returns to the last operating mode and channel.

#### OTHER FEATURES

#### S/RF/CAL/SWR Meter

You can check your incoming signal strength and output power as you use your Bearcat 980 SSB. The 12-column LCD display (refer to item number 3 on page 7) displays this data. Press and hold *PTT* on the microphone to see the RF output power levels. Release *PTT* to see incoming signal strength.

## Calibrate Standing Wave Ratio (SWR)

Check and calibrate the SWR to ensure your antenna system is properly tuned.

- 1. Connect the antenna.
- 2. Turn **Channel Selector** to set the channel.
- 3. Press **S/RF/CAL/SWR** until the **EAL** icon displays.
- 4. Press and hold **PTT**, then rotate the **Channel Selector** until the bar graph meter is at the CAL point.

 Note the SWR reading and release *PTT*. If the reading is > 1.5, follow your antenna's instructions to adjust the antenna length. Then, repeat this step.

## PREVENTIVE MAINTENANCE

## Every six months:

- 1. Check the SWR.
- 2. Be sure all electrical connections are tight.
- 3. Inspect antenna coaxial cable for wear or breaks in shielding.
- 4. Be sure all screws and mounting hardware are tight.

## **MAINTENANCE**

The Bearcat 980 SSB is designed to give you years of trouble-free service. There are no user-serviceable parts inside. It requires no maintenance except replacing the inline fuse in the fuse holder of the DC power cord.

## To replace a blown fuse:

- 1. Press ends of the fuse holder together. Twist to open. Carefully separate the two pieces.
- 2. Remove the fuse and inspect. If blown, replace with the same type 6-amp fuse.



Use only the fuse specified for your Bearcat 980 SSB. Failure to do so may void your warranty.

## **TROUBLESHOOTING**

In the event of system malfunction, perform the following procedures:

Problem	Suggestion	
Unit does not power up	Check power cord connections.	
	Check fuse.	
	Check vehicle electrical system.	

Problem	Suggestion
No reception	Check microphone connection.
	Set <b>CB/PA</b> to <b>CB</b> .
	Check <b>VOLUME</b> and <b>SQUELCH</b> .
	Check antenna.
	Check antenna connection.
	Adjust <b>RF Gain</b> .
Poor Reception	Check <b>VOLUME</b> and <b>SQUELCH</b> .
	Be sure antenna <b>SWR</b> is normal.
	Adjust <b>RF Gain</b> .
No Transmission	Set <b>CB/PA</b> switch to <b>CB</b> .
	Check microphone connection.
	Adjust <b>MIC Gain</b> .
Low Transmission	Adjust <b>MIC Gain</b> .
Using <b>MEM/SCAN</b> does not	Verify that there are channels saved into
access channels in memory	memory.
Unit does not work as well as	Turn the power off then back on. The channels
previously.	will reset.
Battery power check returned FAILLO or FAILH.	Make sure your power wires have a good connection.
	Check your battery charge; it needs to be fully
	charged. Lower voltage will cause a failure.
	Check your alternator.
Antenna check returned FAIL.	Make sure your antenna ground is good.
	Check for damage to the antenna.
	Check the SWRs at a CB shop. High SWRs will
	damage the radio.
RF power diagnosis check	Make sure your antenna ground is good.
returned FAIL.	Check for damage to your antenna.
	Check the antenna connection on the back of
	the radio. Be sure it is tight.

If you do not get satisfactory results after performing these checks, visit the Uniden website (www.uniden.com) for troubleshooting and FAQ information.

## **SERVICING YOUR TRANSCEIVER**

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 radio/telephone technician for servicing and aligning this CB radio product.



When ordering parts, be sure to specify the correct model number and serial number of the unit.

# **SPECIFICATIONS**

GENERAL			
Channel:	40 AM/USB/LSB		
Frequency Range:	CB: 26.965 - 27.405 MHz WX: 162.400 - 162.550 MHz		
Emission	Emission AM/USB/LSB		
Frequency Control:	PLL Synthesizer		
Antenna Impedance:	50 ohms		
Power Input:	13.8VDC		
Current Drain			
TX:	AM full modulation 2.2A (max.) SSB full power output 4A (max.)		
RX:	At no signal: 650 mA		
Operating Temperature:	-22°F to 140°F (-30°C to 60°C)		
Accessories:	DC Power Cord Noise Cancelling Microphone Microphone Hanger Mounting Bracket 6-4 Pin Microphone Adapter Owner's Manual Part 95 Subpart D (FCC Rules)		
Size (W x D x H):	7.25 in. x 7.5 in. x 2.25 in. (without knobs and jacks) (184.149 mm x 190.50 mm x 57.15 mm)		
Weight:	2.2 Pounds		
TRANSMITTER			
Output Power:	AM: 4 watts; USB/LSB 12 W PEP SSB		
Hum and Noise:	Better than 40 dB		
Frequency Tolerance:	±0.002%		

	,		
Modulation Percentage (Peak):	100%		
Spurious Rejection:	-70 dB		
Output Impedance:	50 ohm, unbalanced		
Unwanted Sideband	-55 db		
RECEIVER			
Sensitivity at 10 dB S+N/N:	AM: 0.5 μV; USB/LSB: 0.25 μV		
Sensitivity at 500 mW Audio Output:	0.5 μV		
Squelch Threshold:	0.5 μV		
Antenna Impedance:	50 ohms		
Squelch Tight:	1000 μV		
Signal Meter S-9:	100 μV		
Audio Output Power (max.):	3 watts		
Audio Output (10% Distortion):	2.5 watts		
Clarifier Range	1.5 kHz		
Adjacent Channel Rejection:	60 dB		
Image Rejection:	80 dB		
Internal Speaker Impedance:	16 ohms		
External Speaker Impedance:	8 ohms		
PUBLIC ADDRESS			
Output Power at 10% Distortion:	2.5 watts		

Specifications shown are typical and subject to change without notice.

## **FCC PART 15/IC COMPLIANCE**

#### **FCC COMPLIANCE**

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Avis de conformité à la FCC : Ce dispositif a été testé et s'avère conforme à l'article 15 des règlements de la Commission fédérale des communications (FCC). Ce dispositif est soumis aux conditions suivantes:

1) Ce dispositif ne doit pas causer d'interférences nuisibles et; 2) Il doit pouvoir supporter les parasites qu'il reçoit, incluant les parasites pouvant nuire à son fonctionnement.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

#### IC COMPLIANCE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Cet appareil est conforme aux normes RSS exemptes de licences d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles et (2), il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

## **ONE-YEAR LIMITED WARRANTY**

*Important:* Evidence of original purchase is required for warranty service.

**WARRANTOR:** UNIDEN AMERICA CORPORATION ("Uniden")

**ELEMENTS OF WARRANTY:** Uniden warrants, for one year, to the original retail owner, this Uniden Product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

**WARRANTY DURATION:** This warranty to the original user shall terminate and be of no further effect one year after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

**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 either, at its option, repair or replace the defective unit and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit. THE 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 the United States of America.

**PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY:** If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). The Product should include all parts and accessories originally packaged with the Product. Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Corporation 301 International Parkway, Suite 460 Flower Mound, Texas 75022

# **RADIO CODE DEFINITIONS**

The following list contains common "10-Codes" used by CB radio operators for faster communication and better understanding.

Code	Meaning	Code	Meaning
10-1	Received poorly	10-34	Trouble at this station
10-2	Receiving well	10-35	Confidential information
10-3	Stop transmitting	10-36	Correct time is
10-4	OK, message received	10-37	Wrecker needed at
10-5	Relay message	10-38	Ambulance needed at
10-6	Busy, stand by	10-39	Your message is delivered
10-7	Out of service, leaving air	10-41	Please turn to channel
10-8	In service, subject to call	10-42	Traffic accident at
10-9	Repeat message	10-43	Traffic tie up at
10-10	Transmission completed, standing by	10-44	I have a message for you
10-11	Talking too rapidly	10-45	All units within range please report
10-12	Visitors present	10-50	Break channel
10-13	Advise Weather/ Road conditions	10-60	What is next message number
10-16	Make pickup at	10-62	Unable to copy, use phone
10-17	Urgent business	10-63	Net directed to
10-18	Anything for us?	10-64	Net clear
10-19	Nothing for you, return to base	10-65	Awaiting your next mes- sage/assignment
10-20	My location is	10-67	All units comply
10-21	Call by telephone	10-70	Fire at
10-22	Report in person to	10-71	Proceed with transmission in sequence
10-23	Stand by	10-77	Negative contact
10-24	Completed last assignment	10-81	Reserve hotel room for
10-25	Can you contact	10-82	Reserve room for

Code	Meaning	Code	Meaning
10-26	Disregard last information	10-84	My telephone number is
10-27	I am moving to channel	10-85	My address is
10-28	Identify your station	10-91	Talk closer to microphone
10-29	Time is up for contact	10-93	Check my frequency on this channel
10-30	Does not conform to FCC rules	10-94	Please give me a long count
10-32	I will give you a radio check	10-99	Mission completed, all units secure
10-33	EMERGENCY TRAFFIC	10-200	Police needed at