Uniden®

Bearcat® 880FM

Owner's Manual

CONTENTS

Uniden is a registered trademark of Uniden America Corporation.

Bearcat is a registered trademark of Uniden America Corporation.

NOTE *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 16.9 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 880FM contains the following:

- Bearcat 880FM CB 2-way mobile radio
- Microphone
- Mounting Bracket Kit
- DC Power Cord
- 6-pin to 4-pin microphone adapter
- Reference Guide
- Part 95 Subpart D (FCC Rules)

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

DESCRIPTION

Your Uniden Bearcat 880FM represents the highest quality communications device designed for use in the Citizens Band Radio Service. It will operate on any of the 40 AM or FM 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 recommend 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** 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.

> **NOTE**
> *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
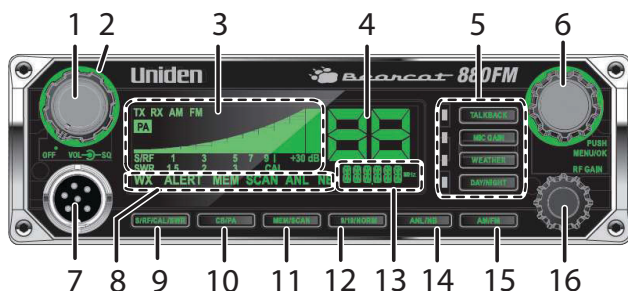
1. **Volume Control** knob with **Power On/Off.** Turn the knob clockwise until it clicks to turn power on or counterclockwise until it clicks to turn power off.
2. **SQUELCH** knob: Reduces background noise when there is no incoming signal.
3. S/RF/CAL/SWR Meter: Displays Send/Receive signal strength, 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 **PTT** and adjust the volume with the **Channel Selector/MENU/OK** knob. (Levels 00 - 15)
   - **MIC Gain:** Adjusts microphone sensitivity. Delivers up to 100% modulation. With MIC Gain active, press **PTT** and adjust the gain

levels with the **Channel Selector/MENU/OK** knob. (Levels 00 - 04)

NOTE *If Talkback is on when MIC Gain is also on, Talkback volume increases.*

- **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. *ALERT* displays.
- **Day/Night:** Adjusts LCD backlight sensitivity between Day and Night modes. (LED off = Day; LED on = Night)

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 menu modes
- Change scan resume direction (up or down)
- Control Talkback volume
- Control Mic gain level
- Control Calibration volume

NOTE *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**: Push to to check RF signal strength, calibration, and SWR reading.

10. **CB/PA:** Selects **CB** (Citizens Band) or **PA** (Public Address).

NOTE *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 11) and Memory Scan (see page 13)]. 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:*** Turns ANL (Automatic Noise Limiter) and NB (Noise Blanker) features on and off. ANL reduces external noise and NB reduces interference from vehicle ignition systems. Press ***ANL***/***NB*** to turn ANL and NB on or off in the following configurations:

From ANL OFF/NB OFF	
Press once.	ANL on/NB off
Press twice.	ANL off/NB on
Press three times.	ANL on/NB on
Press four times.	ANL off/NB off

15. ***AM/FM:*** Change AM/FM modulation. Press ***AM/FM*** to toggle between AM or FM modulation.

> *NOTE: AM/FM does not switch when the Bearcat 880FM is in Weather (WX) mode.*

16. ***RF Gain*** knob: Improves reception in strong signal areas.
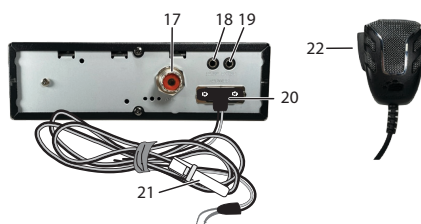
17. Antenna socket: Connects antenna to the unit.
18. ***PA SP***: Connects optional external 8-ohm, 4-watt speaker for use as a public address system.

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

19. ***EXT. SP***: Connects an 8-ohm 4-watt speaker to remotely monitor the receiver.

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

20. ***POWER***: Connects DC power to transceiver.

21. Fuse.

22. **PTT**: Push-to-Talk.

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 power cords (see page 9).
4. Attach the microphone bracket to side of the radio.
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.
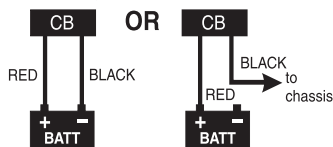
INSTALL 6-PIN TO 4-PIN ADAPTER

The Bearcat 880FM is pre-configured for Uniden's 6-pin wireless, noise-cancelling technology. Your Bearcat 880FM comes with an adapter to connect the radio's 6-pin microphone to a current standard 4-pin microphone.

1. Insert the 6-pin side of the adapter into the Bearcat 880FM 6-pin microphone connection.
2. Plug a standard 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 880FM

CB MODE

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

BASIC SETTINGS

1. Turn unit on. Set volume to a comfortable level.
2. Select mode (AM or FM).
3. Select channel.
4. Set noise limitations as desired (***ANL/NB***).
5. Adjust Squelch.
   - Turn ***SQUELCH*** fully clockwise so only strong signals can get through.
   - Turn ***SQUELCH*** fully counterclockwise until you hear a hiss. Everything gets through - noise, weak signals, and strong signals.
   - Turn ***SQUELCH*** back clockwise until the hiss stops. Only clearer signals get through.

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

5. Turn ***RF Gain*** to set RF gain sensitivity.
6. Press ***MIC Gain*** to toggle microphone sensitivity between High and Low. (LED on = High; LED off = Low)
7. Set Backlight color (see page 14).
8. Set LCD Contrast (see page 15).
9. Set Brightness (see page 15).

ALL CHANNEL SCAN

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

1. Press ***MEM/SCAN*** once if in CB mode (twice if in Memory 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 13).
3. 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 seven-second signal in the event of severe weather when you are 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, NB, or AM/FM 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 ON or OFF through the menus.

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

If Weather Scan is ON when you turn off the radio, it remains ON.

Left at these setting (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. The WEATHER LED turns on.

MEMORY MODE

You can select channels to store 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 11), press **MEM/SCAN** until *MEM SCAN* displays; 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 and only saved channels will be heard.

Clear Channels from Memory

1. In Memory 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, COLOR, displays. Turn the Channel Selector knob to cycle through the other menus:

- LCD COLOR (DAY) - Backlight color
- LCD CONT (DAY) - LCD Contrast
- LCD BRIGHT (DAY) - Brightness
- LCD COLOR (NIGHT) - Backlight color
- LCD CONT (NIGHT) - LCD Contrast
- LCD BRIGHT (NIGHT) - Brightness
- WXSCAN - Weather Scan mode
- BEEP - KEYBEEP (ON/OFF)
- DIAG - Diagnostics
  - Battery Check
  - Antenna Mismatch Check
  - RF Power Check
- Exit

Select Backlight Color

1. Press **MENU/OK** to activate the menus. Turn **Channel Selector** until *COLOR* 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 available backlight colors or OFF. The selection number for that color displays in that color. The available colors are:

Option No:	Color	Option No:	Color
0	None (Off)	4	Red
1	Blue	5	Magenta
2	Green	6	Yellow
3	Cyan	7	White

5. Press **MENU/OK** to select that color. *COLOR* displays.
6. Repeat these procedures to set the NIGHT backlight color.

Set LCD Contrast

1. Press **MENU/OK** to activate the menus. Turn **Channel Selector** until *CONT* 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 = 00; 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 = 00; 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.

Set Beep Tone

1. Press **MENU/OK** to activate the menus. Turn **Channel Selector** until *BEEP* displays.
2. Press **MENU/OK**. The current setting, *ON* or *OFF*, displays.
3. Turn the **Channel Indicator** to select *ON* or *OFF*.
4. Press **MENU/OK** to accept the setting; *BEEP* displays again.

> **NOTE: WX Alert tone sounds even if Beep tone is turned off.**

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, RF power levels, and antenna mismatch.

Battery Check

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

1. Once *DIAG* displays, press **MENU/OK;** *VOLT* 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;** *VOLT* displays.
2. Turn **Channel Selector** until *RF OUT* displays.
3. Press **MENU/OK**. *GO PTT* displays.
4. Press and hold **PTT**. The RF power condition, *PASS* or *FAIL*, displays. (If *FAIL* displays, refer to the Troubleshooting section, page 18.)
5. Release **PTT**: *GO 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;** *VOLT* displays.
2. Turn **Channel Selector** until *ANT* displays.
3. Press **MENU/OK**. *GO PTT* displays.
4. Press and hold **PTT**. The Antanna 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 and outgoing signal strength and wattage as you use your Bearcat 880FM. The 12-column LCD display (refer to item number 3 on page 6) displays this data. Press and hold **PTT** on the microphone to see the RF output power levels. Release **PTT** to see incoming signal strengh.

Calibrate Standing Wave Ratio (SWR)

Check and calibrate the SWR to ensure that you are using power effectively.

1. Press **S/RF/CAL/SWR** until *CAL* appears.
2. Press and hold **PTT**, then rotate the channel selector until the bar graph meter is at the CAL point.
3. Press **S/RF/CAL/SWR** until *SWR* appears.
4. Press PTT and 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 880FM is designed to give you years of trouble-free service. There are no user-serviceable parts inside. Except for the fuse in the DC power cord, no maintenance is required.

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 fuse.

⚠️ *Use only the fuse specified for your Bearcat 880FM. 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.
No reception	Check microphone connection. Set *CB/PA* to *CB*. Check *VOLUME* and *SQUELCH*. Check antenna. Check antenna connection. Adjust *RF Gain*.
Poor Reception	Verify that modes between Bearcat 880FM and other radio match (AM - AM or FM - FM). Check *VOLUME* and *SQUELCH*. Be sure antenna *SWR* is normal. Adjust *RF Gain*.
No Transmission	Set *CB/PA* switch to *CB*. Check microphone connection. Adjust *MIC Gain*.
Low Transmission	Adjust *MIC Gain*.
Using *MEM/SCAN* does not access channels in memory	Verify that there are channels saved into memory.

Problem	Suggestion
Unit does not work as well as previously.	Turn the power off then back on. The channels will reset.
Battery power check returned *FAILLO* or *FAILHI*.	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 returned *FAIL*.	Make sure your antenna ground is good. 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.

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

SPECIFICATIONS

GENERAL

Channel:
  CB   40
  Weather   7

Frequency Range:
  CB   26.965 - 27.405 MHz
  Weather (RX Only)   162.400 - 162.550 MHz

Frequency Control: PLL Synthesizer

Antenna Impedance:	50 ohms
Power Input:	13.8VDC
Current Drain	
TX:	AM Full Modulation: 2.2A (max) FM 1.7A (max)
RX:	At no signal: 650mA
Operating Temperature:	-22°F to 140°F (-30°C to 60°C)
Accessories:	DC Power Cord 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:	4 watts
Emission Type:	AM/FM
Hum and Noise:	AM 46dB FM 38dB
Frequency Tolerance:	±0.002%
Spurious Harmonics Emission:	-70 dBc
Output Impedance:	50 ohm, unbalanced
RECEIVER	
Sensitivity (AM) at 10 dB S+N/N: (FM)12dB SINAD:	-110dBm -118dBm
Maximum Sensitivity (AM):	-113dBm
Squelch Threshold:	-120dBm
Antenna Impedance:	50 ohms
Squelch Tight:	-47dBm
Signal Meter S-9:	-67dBm
Audio Output Power (max.):	5.5 watts
Audio Output (10% Dist.):	4.2 watts
Adjacent Channel Rejection:	AM 56dB FM 65dB

Image Rejection:	1st: 66dB; 2nd: 58dB
Internal Speaker Impedance:	16 ohms
External Speaker Impedance:	8 ohms
PUBLIC ADDRESS	
Output Power at 10% Distortion:	4.7 watts
WEATHER CHANNELS	
Sensitivity 12dB SINAD:	-115dBm
Audio Output Power (max):	5.5 watts

Specifications shown are typical and subject to change without notice.

FCC PART 15 AND ISED COMPLIANCE

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

Les changements ou modifications qui ne sont pas expressément approuvés par la partie responsable de la conformité peuvent annuler l'autorité de l'utilisateur à utiliser l'équipement.

FCC PART 15 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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may

cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CONFORMITÉ À L'ARTICLE 15 DE LA FCC

Cet appareil est conforme à l'article 15 des règlementss de la FCC. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant causer un fonctionnement indésirable.

Les changements ou modifications qui ne sont pas expressément approuvés par la partie responsable de la conformité peuvent annuler votre droit d'utiliser l'équipement.

> *Remarque : Cet équipement a été testé et déclaré conforme aux limites d'un appareil numérique de classe B, conformément à l'article 15 des règlements de la FCC.*

Les limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle.

Cet équipement génère, utilise et peut émettre de l'énergie de fréquence radio, et s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux communications radio. Cependant, il n'y a aucune garantie que des interférences ne se produiront pas dans une installation particulière.

Si cet équipement provoque des interférences nuisibles à la réception de la radio ou de la télévision, ce qui peut être déterminé en éteignant et en

allumant l'équipement, l'utilisateur est encouragé à essayer de corriger les interférences par une ou plusieurs des mesures suivantes :

- Réorienter ou déplacer l'antenne de réception.
- Augmentez la distance entre l'équipement et le récepteur.
- Connecter l'équipement à une prise sur un circuit différent de celui auquel le récepteur est connecté.
- Consulter le revendeur ou un technicien radio/TV expérimenté pour obtenir de l'aide.

ISED 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 harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

FCC 20 CM STATEMENT

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radio and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

DÉCLARATION DE LA FCC 20 CM

Cet équipement est conforme aux limites d'exposition aux radiations fixées par la FCC pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre la radio et votre corps. Cet émetteur ne doit pas être installé ou utilisé en conjonction avec une autre antenne ou un autre émetteur.

ISED ANTENNA STATEMENT

This radio transmitter IC: 513C-UT435 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

The following antenna types can be used at the maximum 3 dBi gain with a 50 Ohm impedance is required for each antenna type:

- Whip
- Fiberglass
- Base

ÉNONCÉ D'ANTENNE ISED

Cet émetteur radio IC : 513C-UT434 a été approuvé par Innovation, Science et Développement économique Canada pour fonctionner avec les types d'antennes listés ci-dessous, avec le gain maximum autorisé indiqué Les types d'antennes non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type listé sont strictement interdits d'utilisation avec cet appareil.

Les types d'antennes suivants peuvent être utilisés avec un gain maximal de 3 dBi et une impédance de 50 Ohms est requise pour chaque type d'antenne :

- Fouet
- Fibre de verre
- Base

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 Service
301 International Parkway, Suite 460
Flower Mound, TX 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 message/ 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
10-26	Disregard last information	10-84	My telephone number is

Code	Meaning	Code	Meaning
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