Uniden®



PRO538HHFM
Handheld CB Radio

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INTRODUCTION

The PRO538HHFM radio is a hand-held radio designed for use in the Citizens Band (CB) Radio Service. It will operate on any of the 40 CB frequencies authorized by the Federal Communications Commission (FCC). Your radio features a superheterodyne circuit with Phase Locked Loop techniques to assure precise frequency control.

NOTE: Make sure you have read and understood part 95 of the FCC rules and regulations before using the transmitter.

FEATURES

- 40 CB channels (AM/FM modes)
- 10 Weather channels
- AGC (Automatic Gain Control) for a constant sound level.
- Automatic Noise Limiter to reduce pulse noise.
- Backlight On/Off; Dual backlight colors (Amber and White)
- Battery pack for 8 AA Ni-MH or 6 AA alkaline batteries (batteries are not included).
- Compatible with CB MIC hanger.
- Dual Channel Watch
- External speaker jack and external MIC jack. Includes In-Vehicle adapter.
- Full Channel Scan
- High/Low power saver switch (HI = 4W; LOW = 1W)
- Instant Channel 9/19
- Key Lock
- Portable and In-Vehicle Use
- RF Gain Control
- Rotary Channel Selector

SAFETY NOTICE

- Do not expose the PRO538HHFM to water or extreme temperatures.
- Do not leave batteries installed over a long period of time as leakage may occur and cause damage to the radio.
- Never use different batteries from the ones suggested.
- Never use harsh chemicals to clean this radio. Use a damp soft cloth.

UNIDEN CONTACT INFORMATION

You can get answers 24/7 at our website: www.uniden.com.

INCLUDED IN YOUR PACKAGE

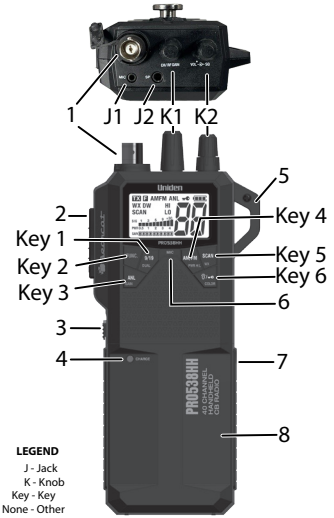
If any of these items are missing or damaged, immediately contact your place of purchase or www.uniden.com.

 PRO538HHFM Radio (shown with Ni-MH battery case attached)	 Rubber (Whip) Antenna
 Belt Clip	 In-Vehicle Adapter

	
Ni-MH Battery Case	Alkaline Battery Case

Not shown: Hanger MIC with Screw and Wrist Strap

PARTS OF THE RADIO



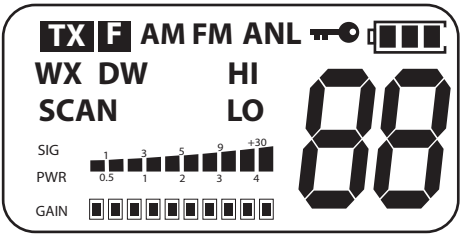
DEFINITIONS

	ITEM NAME	PURPOSE
J1	External Microphone jack	Attach external microphone (not included)
J2	External Speaker jack	Attach external speaker (not included)
K1	CH/RF GAIN knob	Channel: Turn knob to select channels. RF Gain (AM Only): Press **FUNC** + **GAIN** key and turn this knob to adjust receiving gain. Color Selection mode: Press **FUNC** + **COLOR** key and turn this knob to change backlight color. Scan mode: Resume scanning or change scan direction.
K2	Power/VOL; SQ	Turns power on and off and adjusts volume and squelch levels.
Key 1	9/19/DUAL	Instantly recall channels 9 and 19. Press **FUNC** and this key to enter Dual Channel Watch mode. Press **FUNC** and hold this key to program Dual Watch Channels.
Key 2	FUNC	Function key. Press this key to unlock secondary key functions.

	ITEM NAME	PURPOSE
Key 3	ANL/GAIN	Press to turn ANL on and off. Press **FUNC** and this key to access RF Gain Setting Mode.
Key 4	AM/FM (PWR H/L)	Press to enter AM or FM modes. Press **FUNC** and this key to set power to high or low.
Key 5	SCAN/WX	Press to start and stop scanning. Press **FUNC.** and this key to access Weather Channels.
Key 6	/COLOR	Press to turn backlight on/off. ***NOTE: Backlight does not support the orange letters on the keys.*** Press and hold to turn keylock on/off. Press **FUNC** and this key to enter color setting mode. Turn the **CH/RF GAIN** knob to select either an amber or white background. Press **/COLOR** to set it (see page 19).
1	Antenna	Location for attaching the rubber whip antenna**.**
2	Push-to-Talk button	Push to transmit (talk) to other radios.
3	Battery Case Release	Slide up to release battery case from the unit.

	ITEM NAME	PURPOSE
4	Charge LED	Turns red when battery begins charging. ***NOTE: The LED does not indicate when charging is complete.***
5	Clip Location	Use a carabiner clip (not included) to attach the radio to a belt loop, strap, etc.
6	MIC	Microphone Location
7	Charging Jack (Ni-MH battery case only)	Connect DC charge plug from In-Vehicle adapter.
8	Battery Case	Location of Ni-MH or alkaline battery cases or In-Vehicle adapter when connected to the PRO538HHFM. (Ni-MH battery case shown.)

LCD



LCD ITEM	MEANING
TX	Transmitting indicator
F	Function indicator
AM	AM mode indicator
FM	FM mode indicator
ANL	Automatic Noise Limiter indicator
WX	Weather Channel indicator
DW	Dual Watch indicator
HI	TX Power indicator: HI = 4W
SCAN	Scan function active
LO	TX Power indicator: LO = 1W
88	Channel Number/RF Gain (0 - 10)
	Battery Strength (4 levels - 3, 2, 1, and Low Battery. Battery icon blinks in Low Battery mode.)
	Key lock function active
	S/RF meter (10 steps) Strength of incoming signal; Strength of transmission power.
	RF Gain Level indicator (10 steps)

SETUP

INSTALL ANTENNA

The PRO538HHFM can use either a rubber “whip” antenna or an external antenna (not included).

Rubber Antenna

1 Insert the rubber antenna (included) onto the radio's antenna jack.

2 Rotate the antenna clockwise until it clicks into place.

NOTE: If using the rubber antenna or connecting the external antenna to the radio's antenna terminal, the PRO538HHFM must use either of the Ni-MH or Alkaline battery cases for power.

External Antenna

The external antenna connects to the In-Vehicle's external antenna jack. See the graphic on page 13 for the external antenna jack location.

1 Remove the rubber antenna from the PRO538HHFM.

CAUTION: When the In-Vehicle adapter is attached to radio, the radio will switch to external antenna mode. Be sure to remove the rubber antenna from the radio's antenna terminal.

If the rubber antenna or the external antenna stays connected to the radio's antenna terminal, the transmit power to the external antenna terminal will be significantly reduced.

2 Slide the In-Vehicle adapter onto the radio.

3 Install the external antenna according to the manufacturer's instructions.

4 Connect the external antenna connector to the external antenna jack on the In-Vehicle adapter.

5 Connect the 12V DC cigarette plug from the In-Vehicle adapter to your vehicle.

CONNECT TO POWER

There are several methods to power your PRO538HHFM:

- Ni-MH batteries (case included)
- Alkaline batteries (case included)

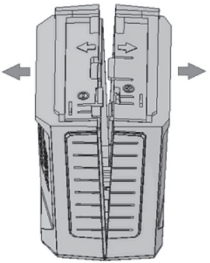
- In-Vehicle adapter connects the PRO538HHFM to the vehicle's 12V DC cigarette port



Rechargeable Ni-MH Batteries

The PRO538HHFM comes with a battery case for 8 AA Ni-MH batteries (batteries not included).

1 Separate the two sides of the case by pulling them in the directions noted on the shell.

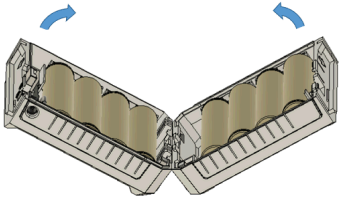


2 Insert the 8 batteries according to the directions shown inside the NiMH battery case.

CAUTION: Do not mix charged and uncharged batteries.



3 Close the case. Align the bottom sides as shown and press the two sides together.



4 Connect the battery case to the PRO538HHFM as shown.



CAUTION: Do not attempt to charge Alkaline batteries in the Ni-MH battery case as they may leak or catch fire.

Charge Ni-MH Batteries

1 Verify that the Ni-MH batteries are inserted into the case.

2 Insert the In-Vehicle adapter's charge plug into the Ni-MH battery case. (See page 7 for the Ni-MH case location and page 13 for the location of the In-Vehicle adapter's charge plug.)

3 When the plug is connected, the red LED on the battery case lights up.

The charging current is 230mA (Nominal). When the radio is off, for example, a discharged battery with a capacity of 2300mAh requires about 10 hours of charging. If you charge the radio with the power ON, the charging current will be reduced to about 80mA and requires about 16 hours of charging (it changes depending of the battery capacity and condition). If you only want to charge the battery, turn off the radio's power.

You can remove the Ni-MH battery case from the radio to recharge separately. Connect the radio to the Alkaline batteries/case or to the In-Vehicle adapter to power the radio if needed.

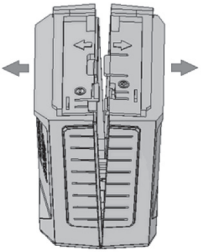
CAUTION: Charging the battery for long periods of time will damage the battery.

NOTE: The LED will not indicate when charging is complete.
NOTE: This plug is for charging only and is not intended to power the radio. If you charge the battery while the battery case is attached to the radio, the battery icon displayed on the radio indicates always full while charging. The battery icon does not indicate charging status; the charging is done directly to the batteries without going through the radio.

Alkaline Batteries

The PRO538HHFM comes with a battery case for 6 AA Alkaline batteries (batteries not included).

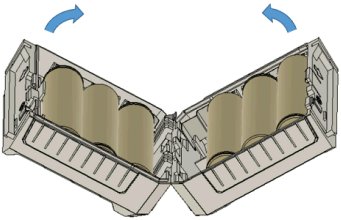
1 Separate the two sides of the case by pulling them in the directions noted on the shell.



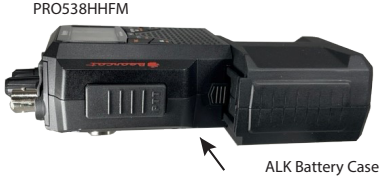
2 Insert the 6 batteries according to the directions show inside the alkaline battery case.



3 Close the case. Align the bottom sides as shown and press the two sides together.



4 Connect the battery case to the PRO538HHFM as shown.



CAUTION: Mixing new and used batteries will reduce performance. Do not charge Alkaline batteries as they may leak or catch fire.

NOTE: If you do not use the radio for a long time, remove the batteries from the battery case.

In-Vehicle Adapter

The PRO538HHFM comes with an In-Vehicle adapter to connect it to the vehicle's 12V DC cigarette plug.

1 Connect the In-Vehicle adapter to the PRO538HHFM.

2 Connect the In-Vehicle adapter's 12V DC cigarette plug to your vehicle.

CONNECT EXTERNAL SPEAKER AND MICROPHONE

Your radio supports an external speaker and microphone. The external speaker and microphone are sold separately.

	EXTERNAL SPEAKER
Impedance	8 Ohms
Connect to	**EXT.SP**. jack (⅛-in/3.5 mm)
Notes	The internal speaker is disabled when an external speaker is connected.
	EXTERNAL MICROPHONE
Connect to	**MIC** jack (2.5 mm Electret type)

OPERATION

BASIC OPERATION

Turning the radio on	Turn the **VOL/SQ** knob clockwise until it clicks and the LCD display turns on.
Turning the radio off	Turn the **VOL/SQ** knob counter-clockwise until it clicks and the LCD display turns off.
Adjusting Squelch	Turn the **VOL/SQ** knob counter-clockwise to open squelch or clockwise to close it.
Select a mode	Press **AM/FM** key to select a mode as follows: AM → FM → AM
Turn backlight on and off	Press the ☼/▬● key to turn the LCD backlight on for 10 seconds. Press it again while the backlight is on to turn it off. ***NOTE: Backlight does not support orange letters on the keys.***

Changing backlight color	1 Press **FUNC** and **COLOR** key to enter Backlight Setting mode. 2 Turn the **CH/RF GAIN** knob to select between White and Amber. The LCD and keys flash. ***Press* FUNC *or* COLOR *key again to set the color and exit Backlight Setting mode.*** ***NOTE: There is no time-out when in Backlight Color mode.*** ***NOTE: Backlight does not support the orange letters on the keys.***
Selecting a channel	Turn the **CH/RF GAIN** knob to select a channel (clockwise to increase the channel number or counter-clockwise to decrease the channel number).
Changing the volume	After turning the radio on, turn the **VOL/SQ** knob clockwise to increase the volume; turn it counter-clockwise to decrease the volume.
Setting Key Beep (Default = ON)	When key beep is on (default), the radio beeps whenever a key is pressed or a knob is turned. 1 To change the key beep status, turn off the PRO538HHFM. 2 Press and hold the key while turning the radio on. 3 If the radio beeps, the key beep function is now on. If the radio does NOT beep, the key beep function is off.

Transmitting	1	Tune the radio to the channel you want to transmit on, and listen to make sure the channel is clear.
	2	Press and hold the **PTT**. ***TX*** displays
	3	Hold the microphone about 2 inches away from your mouth and speak in a normal voice.
	4	Release the **PTT** key to listen for a response.
Adjust RF Gain	1	Press **FUNC** and **ANL/GAIN** to enter RF Gain Setting mode. The ***GAIN*** bar blinks.
	2	Turn the **CH/RF GAIN** knob to adjust Gain levels (0 - 10). The selected level displays as a 7 segment number and the ***GAIN*** bar will blink. The Gain level number reflects in the number of Gain bar boxes.
	3	Press **FUNC** or **ANL/GAIN** again to store the setting and return to the main operations screen.
	NOTE: RF Gain only applies to AM mode. No RF Gain levels display in FM or WX modes.	

Scanning channels	***NOTE: Before starting the scan, adjust the position where Squelch closes on the channel without a signal. If you turn the knob all the way clockwise, the scan will not stop unless the radio receives a strong signal.*** Press **SCAN** in AM or FM mode; the radio scans the channels, stopping when it receives a transmission. Scanning resumes if no signal received for 3 seconds. Press **SCAN** again to stop scanning. Turn **CH/RF GAIN** knob while scanning to change scan direction. When stopped on a channel, turn **CH/RF GAIN** knob to resume scanning.
Lock keys to prevent accidental activation.	Press and hold the /🔑 key to activate key lock; the Lock icon displays. Only the **PTT** and /🔑 keys and the **VOL/SQ** knob are active. With Key Lock activated, press and hold the /🔑 key to deactivate key lock; the Lock icon goes away and all keys are now active.
Go to Instant Channel 9/19	Press **9/19** from any channel (first press): Goes to CH 9. ***9*** displays in the Channel Indicator. Second press: Goes to CH 19. ***19*** displays in the Channel Indicator. Third press: Returns to original channel. That channel number displays in the Channel Indicator.
Select Transmit Power Level	Press **FUNC** and then press **PWR H/L**. The power level alternates between High and Low. The appropriate icon displays on the screen. ***Power setting cannot be changed while in WX mode; HI and LO icons will not display.***

EMERGENCY OPERATION

The PRO538HHFM provides instant access to emergency channels 9 and 19. Press **9/19 DUAL** once for channel 9; press it twice for channel 19. Press **9/19 DUAL** a third time to return to the original channel.

NOTE: FCC rules reserve Channel 9 for motorist assistance and other emergency communications. Channel 9 should only be used in situations where there is immediate danger to the safety of individuals or the protection of property.

Make sure you have read and understood part 95 of the FCC rules and regulations before using the transmitter.

DUAL WATCH

Dual Watch lets you monitor two channels alternately for incoming transmissions. When a transmission is detected on one of those channels, the radio stays on that channel.

Programming Dual Watch Channels

1 Turn the **CH/RF GAIN** knob to select a channel.

2 Press the **FUNC** key and then press and hold the **DUAL** key to enter Dual Watch (DW) programming mode. ***DW*** displays and flashes.

3 Turn the **CH/RF GAIN** knob to select the second channel.

4 Press **DUAL** to assign the two channels to DW mode. ***DW*** stops flashing and stays steady on; a confirmation tone sounds.

5 DW mode starts immediately. Press any key (except **ANL**, ☼/🔑, **AM/FM**, and **FUNC** keys) to exit Dual Watch mode.

AUTOMATIC NOISE LIMITER

Automatic Noise Limiter (ANL) suppresses white noise.

1 In AM mode, press **ANL** to turn it on. The ***ANL*** icon displays when this function is active.

2 Press **ANL** again to turn off this function.

*NOTE: **ANL** does not function when the radio is in FM or WX mode.*

WEATHER

The PRO538HHFM accesses 10 weather channels.

1 Press **FUNC** and then **WX** to access WX mode. The WX icon and the current weather channel display.

2 Select a different weather channel by turning the channel knob.

3 Press **AM/FM** or **9/19** to return to normal CB operation. The WX icon disappears.

NOTE: Squelch is always open in Weather mode, so using the Squelch knob to adjust squelch will not work.

MAINTENANCE

Clean the unit with a damp cloth only; never use harsh chemicals.

TROUBLESHOOTING

If your radio is not performing to your expectations, please try these simple steps. If these steps don't solve your problem, visit the Uniden website (www.uniden.com) for troubleshooting and FAQ information.

PROBLEM:	THINGS TO TRY:
Radio won't turn on (no power)	– Check the polarity of the batteries in the battery case. – Check the fuse in the cigarette plug. – Be sure the side latch is locked when you install the In-Vehicle adapter.

Poor reception	– Be sure that the transmitting and receiving radios match (AM-AM or FM-FM). – CB radio waves are extremely attenuated in a car so Uniden does not recommend using the whip (rubber) antenna in the car. – When using the radio in a car, be sure to use an external antenna mounted on the outside of the car. – Check the RF Gain setting (see page 20). – CB radios are easy to pick up noise from computer-related equipment and power lines, so keep the radio as far away from these objects as possible.
Background noise	Try turning on ANL. The audio level is slightly reduced but the noise can be attenuated (see page 22).
Weak transmission	– Make sure the whip antenna and the outside antenna are not connected at the same time. – Check transmission power settings (see page 21).

CB OPERATION

CB Communication Codes

The “10” code allows you to communicate easier in noisy environments. The following table lists some of the most common codes and their meanings.

CODE	MEANING
10-1	Receiving poorly
10-2	Receiving well
10-3	Stop transmitting
10-4	OK - Understood
10-6	Busy - Stand By
10-7	Out of service - Leaving air
10-8	In service - Subject to call
10-9	Please repeat
10-10	Transmission completed - Standing by
10-13	Road advice - Weather conditions
10-20	What is your location?
10-33	Emergency traffic
10-36	Exact time
10-41	Switch to channel
10-62	Cannot receive - use phone
10-70	Fire at _____
10-200	Police needed at _____

SERVICE AND REPAIR INFORMATION

- Save your purchase receipt for proof of warranty.
- When ordering parts, it is important to specify the correct model number of this radio (PRO538HHFM).
- It is the user's responsibility to make sure the radio is operating in accordance with the FCC Citizens Radio Service regulations at all times.

FREQUENCY LISTS

CB CHANNEL FREQUENCY LIST

CH NO.	FREQ. (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

CH NO.	FREQ. (MHZ)
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

WEATHER CHANNEL FREQUENCY LIST

CH NO.	FREQ. (MHZ)
WX01	162.550
WX02	162.400

CH NO.	FREQ. (MHZ)
WX03	162.475
WX04	162.425
WX05	162.450
WX06	162.500
WX07	162.525
WX08	161.650
WX09	161.775
WX10	163.275

SPECIFICATIONS

GENERAL	
Channels	40 CB, 10 Weather
Mode	CB AM/FM, Weather FM
Frequency Range	26.965 to 27.405 MHz
Frequency Control	Phase Locked Loop (PLL) synthesizer
Frequency Tolerance	±0.005%
Operating Temperature	-22ºF to +140ºF (-30ºC to +60ºC)
Storage Temperature	-40ºF to +158ºF (-40ºC to +70ºC)
Microphone	Electret Type built in
Antenna Impedance	50 ohms, unbalanced
Internal Speaker	8Ω, 28mmØ 1W
Input Voltage	Vehicle Adapter: 13.8V DC Ni-MH: 9.6V (8 AA batteries) Alkaline: 9V (6 AA batteries)

Current Drain	TX: AM Max. Modulation: 1350mA FM Max. Deviation: 960mA RX: CB @ Squelch Close: 75mA WX: 110mA
Size	2.5 W x 5.22 H x 1.5 D in (63.5 W x 135.2 H x 38 D mm)
Weight	Approx. 7.9 oz. (225 g) with empty alkaline battery case attached
Fuse rating (in cigarette plug)	250V 2A Fast Acting 6x30mm
Charge Current	230mA @13.8V Radio = OFF
TRANSMITTER	
Power Output	4 Watts
Frequency Tolerance	+/– 0.002%
Hum and Noise	> 40dB
Spurious Harmonics Emission	–70dBc
RECEIVER	
Usable Sensitivity CB AM @10dB S/N CB FM @12dB SINAD WX FM @12dB SINAD	 –110dBm –114dBm –120dBm
I.F. Frequency	Double Conversion Superheterodyne 1st - 10.695 MHz 2nd - 455 kHz
Squelch Sensitivity	Threshold: –117dBm/Tight: –47dBm
Audio Output Power	1W Nominal

Specifications and features are 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 the user's 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.

FCC AND ISED STATEMENT

This device meets the FCC and ISED RF Exposure Requirements when used in a portable or mobile/fixed application. For portable applications, this device meets the FCC and ISED RF Exposure requirements ONLY when used:

- With the antenna provided with this unit.
- With the Body-Worn and Audio accessories provide by, or approved by, Uniden America Corporation.
- At a 50% Push-To-Talk (PTT) duty cycle. When operating this device using the PTT pushbutton, do not operate (transmit) the device more than 50% of the time during a conversation.

For mobile/fixed applications, this device meets the FCC and ISED RF Exposure requirements ONLY when:

- The antenna used for this device is properly installed and maintained to provide a separation distance of at least 43 cm (17 Inches) from all persons and must not be collocated or operated with any other transmitter.
- The user or users DO NOT transmit if any person is closer than the distance indicated. 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.

Cet appareil répond aux exigences d'exposition aux RF de la FCC et de l'ISED lorsqu'il est utilisé dans une application portable ou mobile/fixe. Pour les applications portables, cet appareil répond aux exigences de la FCC et de l'ISED en matière d'exposition aux RF UNIQUEMENT lorsqu'il est utilisé :

- Avec l'antenne fournie avec cet appareil.
- Avec les accessoires corporels et audio fournis par, ou approuvés par, Uniden America Corporation.
- Avec un cycle d'utilisation de 50% du bouton-poussoir PTT (Push-To-Talk). Lorsque vous utilisez cet appareil à l'aide du bouton-poussoir PTT, ne faites pas fonctionner (transmettre) l'appareil plus de 50% du temps pendant une conversation.

Pour les applications mobiles/fixes, cet appareil répond aux exigences de la FCC et de l'ISED en matière d'exposition aux RF UNIQUEMENT lorsque :

- L'antenne utilisée pour cet appareil est correctement installée et entretenue pour assurer une distance de séparation d'au moins 43 cm (17 pouces) de toute personne et ne doit pas être colocalisée ou utilisée avec tout autre émetteur.
- L'utilisateur ou les utilisateurs NE DOIVENT PAS émettre si une personne se trouve à une distance inférieure à celle indiquée. Bien qu'une antenne à gain de 0 dBi soit normale pour une installation typique, la limite ci-dessus s'applique à toute antenne ayant un gain allant jusqu'à 3 dBi.

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-UT433 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:

- Rubber
- Whip
- Fiberglass

ÉNONCÉ D'ANTENNE ISED

Cet émetteur radio IC : 513C-UT433 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 :

- Caoutchouc
- Fouet
- Fibre de verre

ONE-YEAR LIMITED WARRANTY

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 12 months 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