



CP185TM

Quick Reference Guide
Guide de Référence Rapide



more information
autres informations



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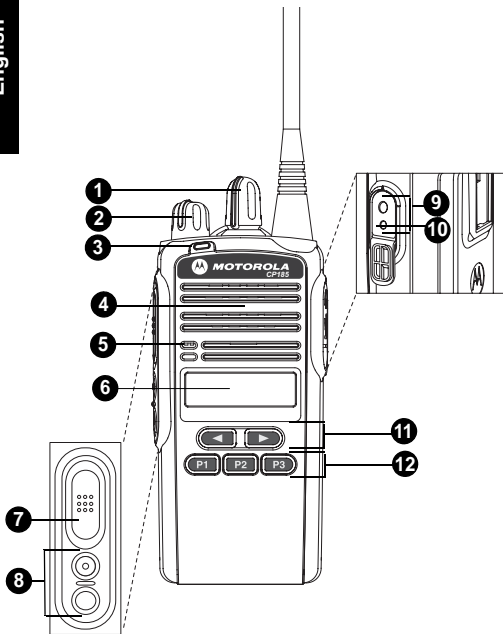
accessories and user's guide:
accessoires et guide de l'utilisateur :

www.motorola.com/business

Congratulations on your purchase of the CP185 Two-Way Radio.

This is a Quick Reference Guide; for more information on this radio features please download the full User Guide from <https://motonline.mot.com> or www.motorola.com/business or call our Customer Care Service at 1-800-422-4210.

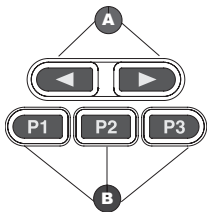
Radio Overview



■ Radio Control Indicators

- 1 Channel Selector Knob
- 2 ON/OFF/Volume Control Knob
- 3 LED Indicator
- 4 Speaker
- 5 Microphone
- 6 Liquid Crystal Display (LCD)
- 7 Push-to-Talk (PTT) Button
- 8 Side Programmable Buttons
- 9 Accessory Connector
- 10 Programming Port
- 11 Left/Right Buttons
- 12 Front Programmable Buttons

■ Menu Navigation Buttons



- A** Front Left/Right Buttons
- B** Front Programmable Buttons

■ Programmable Buttons

The following functions can be assigned as short press (press and release) or long press (press and hold for more than 1 second):






Button	Function
Backlight	Toggles backlight display between ON and OFF.
Channel Alias	Toggles display between <i>Channel Number</i> and <i>Channel Alias</i> .





Button	Function
Keypad Lock	Locks or unlocks all buttons except PTT, Side Programmable Button 1 and Side Programmable Button 2, Channel Selector Knob and ON/OFF/Volume Knob. Applicable for Long Press Only.
Monitor	Monitors the channel for any activity as long as the button is pressed.
Nuisance Channel Delete	Removes unwanted channel(s) temporarily from scan list during Scan. Applicable for Long Press Only.
TPL/DPL Enable	Enables or disables radio from requiring matching TPL/DPL to unsquelch.
Power Level	Selects required power level: High or Low.
Reverse Burst	Select the Reverse Burst Type: None, 180 or 240.
Channel Scan	Starts or stops Channel Scan.
Scrambling Code Select	Toggles between the two scrambling codes available.

Button	Function
Scrambling Enable/Disable	Enables or disables scrambling feature for the selected channel. Applicable for Long Press only.
Squelch Level	Selects desired squelch level: Normal or Tight.
Sticky Monitor	Toggles the permanent monitor function until the button is pressed again. Applicable for Long Press Only.
Talkaround/ Repeater Mode	Enables toggle between repeater and talkaround mode operations.
Unassigned	No function is programmed to this button.
Volume Set	Controls the audio level. The button emits a continuous tone to indicate the current volume level. To change volume level, turn the volume knob to the desired level while pressing the programmable button. Applicable for Long Press Only.
VOX	Enables or disables VOX feature for the selected channel.

■ LCD Display Icons

The following are the icons that appear on the radio's display.

LCD Indicator	Description	Function
	Signal Strength Indicator	Shows the signal strength. More bars indicate a stronger signal received by radio.
	Power Level Indicator	"L" illuminates to indicate radio is configured to transmit in low power; "H" illuminates when radio transmits in high power.
	Talkaround Indicator	Illuminates when radio is not transmitting through the repeater.
	Monitor Indicator	Illuminates when monitoring a selected channel.
	Voice Inversion Scrambling Indicator	Illuminates when Scrambling Mode is ON.

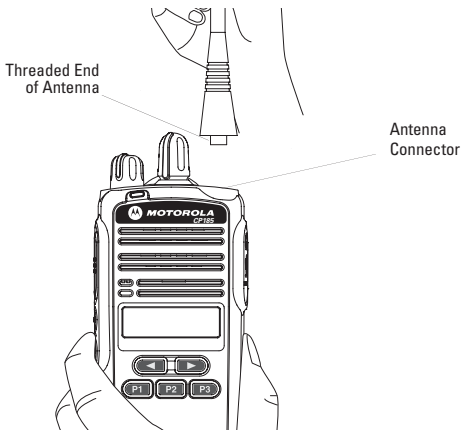
LCD Indicator	Description	Function
	Scan Indicator	Blinks without dot when normal scan is activated. Illuminates without dot when there is some activity on a non-priority channel. Illuminates with dot blinking to indicate that there is some activity on the priority channel.
	Prog. Mode Indicator	Illuminates when Programming Mode is ON.
	Keypad Lock Indicator	Illuminates when keypad is locked.
	Battery Level Indicator	Shows remaining charge in battery based on how many bars (1 – 3) are displayed. Blinks when the battery is low.

■ LED Color Indicators

LED Color	State	Indication
Green	Illuminated	Radio is transmitting in normal mode. Radio is transmitting in Scrambling Mode.
	Normal Blinking	Radio is receiving in normal mode. Channel is busy. Radio passed self-test during powering up.
Amber	Illuminated	Monitor activated. Permanent Sticky Monitor activated.
	Normal Blinking	Radio is in active Scan Mode. Radio is receiving in Scrambling Mode.

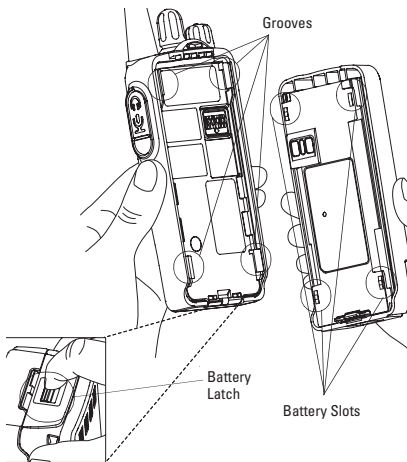
LED Color	State	Indication
Red	Normal Blinking	Radio is transmitting in normal mode. Radio is transmitting in Scrambling Mode while battery is low.
	Fast Blinking	Radio failed self-test during powering up.

■ Attaching/Removing the Antenna



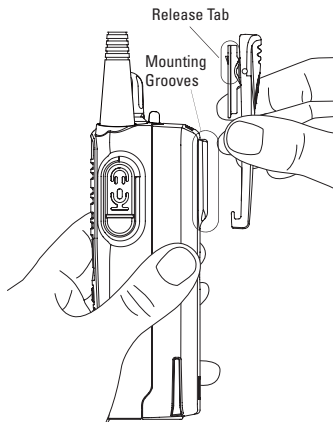
To attach, fasten the antenna to the radio by placing the threaded end of the antenna into the Antenna Connector and rotate clockwise until tight. To remove, turn the antenna in a counterclockwise direction until it disengages from the radio.

■ Attaching/Removing the Battery



To attach, fit the battery slots with the grooves on the radio and slide the battery upwards until a click is heard.
To remove, slide the battery latch away from the radio, slide the battery downwards and pull it away from the radio.

■ Attaching/Removing the Belt Clip



To attach, align mounting rails of the belt clip with the grooves of the radio.

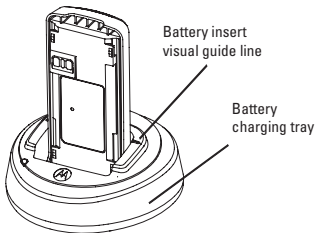
To remove, safely insert a flat tool between release tab and the back surface of the radio and lift the release tab.

Slide the belt clip upwards.

■ Charging the Battery



Make sure radio is OFF, and plug the power supply into an electric outlet and into the rear of the desktop charging tray. The LED on the charger blinks green once to indicate the charger is turned ON.



Turn the radio OFF before charging the battery. Insert a battery, or a radio with a battery into the charger's pocket. The charger's LED color will indicate the battery charging status. (See "Charging Status" on page 11 of the User Guide On-Line.)

■ Receiving Transmission

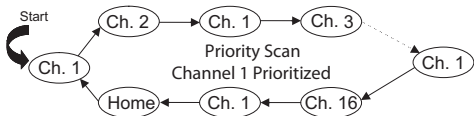
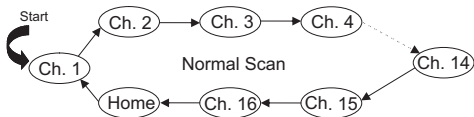
- 1 Turn the radio ON and adjust volume to the desired level.
- 2 Select desired channel/talkgroup.
- 3 Listen for voice activity. The LED indicator blinks red while receiving.


■ Transmitting a Message

- 1 Hold the radio vertically at 1 to 2 inches (2.5 to 5cm) from your mouth. Press the PTT button to talk. The LED indicator illuminates a steady red light while transmitting.
- 2 Release PTT button to listen.

■ Scan

Two types of scan are supported: Normal Scan and Priority Scan. Normal Scan searches all channels sequentially in the radio's scan list, whereas Priority Scan allocates 50% of the scanning time to the Priority Channel (the first channel in the designated scan list).



During scan, when activity is detected that meets the unsquelch condition, the radio stops scanning and switches to that channel; the  indicator is illuminated, and the channel number is displayed.

When no activity is detected for a pre-set time, the radio resumes scanning.

■ **Nuisance Channel Delete**

A channel with unwanted activity is called a Nuisance Channel. You can remove a Nuisance Channel from the scan list temporarily.

To remove a Nuisance Channel

Press the *Nuisance Channel Delete* programmable button, when your radio stops on a Nuisance Channel. A high-pitched tone is heard. You cannot remove the *Home* or *Priority* Channel from the scan list. If attempted, a low-pitched tone is heard, and no action is taken.

To reinstate the deleted channel(s) into the scan list, restart scan, or simply turn OFF your radio and turn it ON again.

■ Voice Operated Transmit VOX

When the VOX headset/microphone is connected, your radio may be used in hands-free operation.

To start VOX

- 1 Connect the VOX headset to the accessory connector of the radio. Make sure the radio is turned OFF before connecting the VOX accessory.
- 2 Turn the radio ON.

To disable VOX

- 1 Press the PTT button on the radio. This allows you to use the VOX headset, but you must press the radio PTT to transmit.

To re-enable VOX

- 1 Turn the radio OFF, and turn it ON again, with the headset connected to the accessory connector, or
- 2 Change channel with the VOX headset connected.

Note: VOX needs to be enabled for each channel in the CPS before VOX accessories can be used with radio.

■ Voice Inversion Scrambling

Your radio has the Voice Inversion Scrambling feature which gives you an extra layer of privacy. This scrambling function is implemented via a frequency inversion in analog mode using two standard codes.

To Enable and Disable the Scrambling Mode

Configure one of the programmable buttons for Scrambling Mode via the CPS. Press this button to enable or disable the function. You can also configure this function via the Front Panel Feature and Button Configuration Mode. See the Front Panel Feature and Button Configuration Mode chapter of the User Guide.

To Change the Scrambling Code

Configure one of the programmable buttons for Scrambling Code. Press this button to toggle between the two codes. You can also configure this function via the Front Panel Feature and Button Configuration Mode. See the Front Panel Feature and Button Configuration Mode chapter of the User Guide.

Product Safety and RF Energy Exposure for Portable Two-Way Radios

The information provided in this document supersedes the general safety information in user's guides published prior to February 2002.










Caution

BEFORE USING THIS RADIO, READ THIS BOOKLET WHICH CONTAINS IMPORTANT OPERATING INSTRUCTIONS FOR SAFE USAGE AND RF ENERGY AWARENESS AND CONTROL INFORMATION AND OPERATIONAL INSTRUCTIONS FOR COMPLIANCE WITH RF ENERGY EXPOSURE LIMITS IN APPLICABLE NATIONAL AND INTERNATIONAL STANDARDS. ALSO READ THE OPERATIONAL INSTRUCTIONS FOR SAFE USAGE. FOR RADIOS THAT HAVE BEEN APPROVED AS INTRINSICALLY SAFE, READ THE INSTRUCTIONS AND INFORMATION ON INTRINSIC SAFETY ON THIS BOOKLET.

Symbol Key

Your battery, charger, or radio may contain symbols, defined as follows:

Symbol	Definition
	Restricted to occupational use to satisfy FCC RF exposure limits. See User's Manual for operating requirements.
	This product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC and all other relevant EU Directives.
 WARNING	Important safety information follows.

Symbol	Definition
	Do not dispose of your battery or radio in a fire.
	Do not throw your battery in the trash.
	Do not throw your radio in the trash.
	Battery or radio may require recycling in accordance with local laws. Do not throw your battery or radio in the trash. www.motorola.com/recycling .

RF Energy Exposure Awareness and Control Information and Operational Instructions for Occupational Use

NOTICE: This radio is intended for use in occupational/controlled conditions where users have full knowledge of their exposure and can exercise control over their exposure to meet the occupational limits in FCC and International standards. This radio device is NOT authorized for general population consumer use.

This two-way radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. It uses radio frequency (RF) energy or radio waves to send and receive calls. RF energy is one form of electromagnetic energy. Other forms include, but are not limited to, sunlight and x-rays. RF energy, however, should not be confused with these other forms of electromagnetic energy, which when used improperly, can cause biological damage. Very high levels of x-rays, for example, can damage tissues and genetic material.

Experts in science, engineering, medicine, health, and industry work with organizations to develop standards for safe exposure to RF energy. These standards provide recommended levels of RF exposure for both workers and the general public. These recommended RF exposure levels include substantial margins of protection.

All Motorola two-way radios are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of two-way radios. These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it.

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits:

<http://www.fcc.gov/oet/rfsafety/rf-faqs.html>

<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>

Federal Communication Commission (FCC) Regulations

The FCC rules require manufacturers to comply with the FCC RF energy exposure limits for portable two-way radios before they can be marketed in the U.S. When two-way radios are used as a consequence of employment, the FCC requires users to be fully aware of and able to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Motorola two-way radio has a RF Exposure Product Label. Also, your Motorola user manual, or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

Compliance with RF Exposure Standards

Your Motorola two-way radio is designed and tested to comply with a number of national and International standards and guidelines (listed below) for human exposure to radio frequency electromagnetic energy. This radio complies with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure environments at operating duty

factors of up to 50% talk-50% listen and is authorized by the FCC for occupational use only. In terms of measuring RF energy for compliance with these exposure guidelines, your radio generates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

Note: The approved batteries, supplied with this radio, are rated for a 5-5-90 duty factor (5% talk-5% listen-90% standby) even though this radio complies with FCC occupational exposure limits and may operate at duty factors of up to 50% talk.

Your Motorola two-way radio complies with the following RF energy exposure standards and guidelines:

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J
- American National Standards Institute (ANSI) | Institute of Electrical and Electronic Engineers (IEEE) C95.1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-2005 Edition
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radio frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999
- Australian Communications Authority Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard, 2003
- ANATEL ANNEX to Resolution No. 303 of July 2, 2002 "Regulation of limitation of exposure to electrical, magnetic and electromagnetic field in the radio frequency range between 9 KHz and 300GHz "and "Attachment to resolution # 303 from July 2, 2002."

RF Exposure Compliance and Control Guidelines and Operating Instructions

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits, always adhere to the following procedures.

Guidelines:

- Do not remove the RF Exposure label from the device.
- User awareness instructions should accompany device when transferred to other users.
- Do not use this device if the operational requirements described herein are not met.

Operating Instructions

- Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), push the Push-To-Talk (PTT) button. To receive calls, release the PTT button. Transmitting 50% of the time, or less, is important because this radio generates measurable RF energy exposure only when transmitting (in terms of measuring for standards compliance).

Two-Way Radio Operation

- Hold the radio in a vertical position in front of the face with the microphone (and other parts of the radio including the antenna) at least one inch (2.5 centimeters) away from the nose or lips. Antenna should be kept away from the eye. Keeping the radio at a proper distance is important since RF exposures decrease with increasing distance from the antenna.



Body Worn Operation

- When worn on the body, always place the radio in a Motorola-approved clip, holder, holster, case, or body harness for this product. Using approved bodyworn accessories is important because

the use of non-Motorola-approved accessories may result in exposure levels, which exceed the FCC occupational/controlled environment RF exposure limits.

- If you are not using a body-worn accessory and are not using the radio in the intended use position in front of the face, ensure the antenna and the radio are kept at least one inch (2.5 centimeters) from the body when transmitting. Keeping the radio at a proper distance is important because RF exposures decrease with increasing distance from the antenna.
- DO NOT hold the antenna when the radio is transmitting. Holding the antenna affects call quality and may cause the radio product to operate at higher or lower level than needed.
- DO NOT touch the metal surface of the antenna (in extended position) when the radio is transmitting. RF discomfort may result.

Approved Accessories

- Use only Motorola-approved supplied or replacement antennas, batteries, and accessories. Use of non-Motorola-approved antennas, batteries, and accessories may exceed the FCC (IEEE) and ICNIRP RF exposure guidelines.
- For a list of Motorola-approved accessories, visit the following website, which lists approved accessories for your radio model: <http://www.motorola.com/business>.

Additional Information

For additional information on exposure requirements or other training information, visit <http://www.motorola.com/rfhealth>.

Electromagnetic Interference/Compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn OFF your radio in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn OFF your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers

The Advanced Medical Technology Association (AdvaMed) recommends that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless radio and a pacemaker. These recommendations are consistent with those of the U.S. Food and Drug Administration.

Persons with pacemakers should:

- ALWAYS keep the radio more than 6 inches (15 centimeters) from their pacemaker when the radio is turned ON.
- DO NOT carry the radio in the breast pocket.
- Use the ear opposite the implantable medical device to minimize the potential for interference.
- Turn OFF the radio immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer or physician to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult your physician or the manufacturer or your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use of Communication Devices While Driving

Always check the laws and regulations on the use of radio products in the area where you drive.

When using your radio product while driving, please:

- Give full attention to driving and to the road. Using a radio may be distracting. Discontinue a call if you can't concentrate on driving.
- Use hands free operation, if available.
- Pull OFF the road and park before making or answering a call if driving conditions so require.

Operational Warnings



For Vehicles With Air Bags:

Refer to vehicle manufacturer's manual prior to installation of electronic equipment to avoid interference with air bag wiring.

DO NOT place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres:

(Explosive atmospheres refers to hazard classified locations that may contain hazardous gas, vapors, or dusts.) Turn OFF your radio prior to entering any area with a



WARNING

potentially explosive atmosphere unless it is a portable radio type especially qualified for use in such areas as Intrinsically Safe (for example, Factory Mutual, CSA, UL, or CENELEC).

DO NOT remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death. The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles such as grain, dust or metal powders. Areas with potentially explosive atmospheres are often, but not always, posted.

Blasting Caps and Blasting Areas:

To avoid possible interference with blasting operations, turn OFF your radio when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn OFF two-way radio." Obey all signs and instructions.

Operational Cautions



Antennas

DO NOT use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

All batteries can cause property damage and/or bodily injury, such as burns, if a conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

Intrinsically Safe Radio Information

The Intrinsically safe approval unit refers to a product that has been approved as intrinsically safe by an approval agency (for example FM Approvals, CSA, UL, or Cenelec) and certifies that a particular product meets the Agency's applicable intrinsic safety standards for specific types of hazardous classified locations. A portable radio that has been approved for intrinsic safety will have Approval label attached to the radio to identify the unit as being Approved for specified hazardous atmospheres. This label specifies the hazardous Class/Division/Group along with the part number of the battery that must be used. The Intrinsically Safe Approval Label will be located on the portable radio unit.

Operational Cautions for Intrinsic Safe Equipment



WARNING

- DO NOT operate radio communications equipment in a hazardous atmosphere unless it is a type especially qualified (for example, FM, UL, CSA, or CENELEC approved). An explosion or fire may result.
- DO NOT operate a radio unit that has been approved as intrinsically safe product in a hazardous atmosphere if it has been physically damaged (for example, cracked housing). An explosion or fire may result.
- DO NOT replace or charge batteries in a hazardous atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion or fire.

Warnings for Radios Approved as Intrinsically Safe

Radios must ship from the Motorola manufacturing facility with the hazardous atmosphere capability and the intrinsic safety approval labelling (FM, UL, CSA, CENELEC). Radios will not be upgraded to this capability and labeled once they have been shipped to the field.

A modification changes the unit's hardware from its original design configuration. Modifications can only be made by the original product manufacturer.



WARNING

- DO NOT replace or change accessories in a hazardous atmosphere. Contact sparking may occur while installing or removing accessories and cause an explosion or fire.
- Turn the radio OFF before removing or installing a battery or accessory.
- DO NOT disassemble an intrinsically safe product in any way that exposes the internal circuits of the unit.
- Failure to use an intrinsically safe approved battery or Approved accessories specifically approved for the radio unit may result in the dangerously unsafe condition of an unapproved radio combination being used in a hazardous location.
- Unauthorized or incorrect modification of the intrinsically safe approved Product will negate the approval rating of the product.
- Incorrect repair or relabeling of any intrinsically safe Agency approved radio could adversely affect the approval rating of the unit.
- Use of a radio that is not intrinsically safe in a hazardous atmosphere could result in serious injury or death.

Repair



WARNING

REPAIRS FOR MOTOROLA PRODUCTS WITH INTRINSICALLY SAFE APPROVAL ARE THE RESPONSIBILITY OF THE USER.

Repairs to a Motorola FM approved radio product should only be done at a location that has been FM audited under the FM 3605 repairs and service standard.

Contact Motorola for assistance regarding repairs and service of Motorola intrinsically safe equipment.

A repair constitutes something done internally to the unit that would bring it back to its original condition.

Items not considered as repairs are those in which an action is performed on a unit which does not require the outer casing of the unit to be opened in a manner that exposes the internal electrical circuits of the unit.

Do Not Substitute Options or Accessories

The Motorola communications equipment certified as intrinsically safe by the approving agency, (FM, UL, CSA, CENELEC) is tested as a complete system which consists of the listed agency Approved portable, Approved battery, and Approved accessories or options, or both. This Approved portable and battery combination must be strictly observed. There must be no substitution of items, even if the substitute has been previously Approved with a different Motorola communications equipment unit. Approved configurations are listed by the Approving Agency (FM, UL, CSA, CENELEC).

The Intrinsically Safe Approval Label affixed to radio refers to the intrinsically safe classification of that radio product, and the approved batteries that can be used with that system.

The manual PN referenced on the Intrinsically Safe Approval Label identifies the approved Accessories and or options that can be used with that portable radio unit.

Using a non-Motorola-intrinsically-safe battery and or accessory with the Motorola approved radio unit will void the intrinsically safe approval of that radio unit.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its manufactured Radius Communication Products ("Products"), Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

Products Covered	Length of Coverage
Motorola CP185 Radio Kit	Two (2) years
Motorola Accessories	One (1) year
Mag One Accessories	Six (6) months
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase.

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided “as is” and without warranty.

Who Is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information

USA	1-800-422-4210
Canada	1-800-461-4575
TTY	1-888-390-6456
For Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations Are There?

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