English

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English

SAFETY AND GENERAL INFORMATION ⚠

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION

READ THIS INFORMATION BEFORE USING YOUR RADIO

The information provided in this document supersedes the general safety information contained in user guides published prior to June 2001. For information regarding radio use in a hazardous atmosphere please refer to the Factory Mutual (FM) Approval Manual Supplement or Instruction Card, which is included with radio models that offer this capability.

TRANSMIT AND RECEIVE PROCEDURE

Your two-way radio contains a transmitter and a receiver. To transmit (talk), you must push the PTT button; to receive (listen), you must release the PTT button.

RADIO OPERATION AND EME EXPOSURE

Your Motorola radio is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy (EME):

- United States Federal Communications Commission, Code of Federal Regulations; 47 CFR 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) C95.1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999
- Australian Communications Authority Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard 2001.
- ANATEL, Brasil Regulatory Authority, Resolution 256 (April 11, 2001) "additional requirements for SMR, cellular and PCS product certification."

To assure optimal radio performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures:

Two-way Radio Operation

When using your radio, hold the radio in a vertical position with the microphone one to two inches (2.5 to 5 centimeters) away from the lips.

Body-worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear a radio on your body when transmitting, always place the radio in a Motorola approved clip, holder, holster, case, or body harness for this product. Use of non-Motorola-approved

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accessories may exceed FCC RF exposure guidelines. If you do not use a Motorola approved body-worn accessory and are not using the radio in the intended use positions along side of the head in the phone mode or in front of the face in the two-way radio mode, then ensure the antenna and radio is kept the following minimum distances from the body when transmitting:

• Phone or Two-way radio mode: one inch (2.5 centimeters)

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the radio and may violate FCC regulations.

DO NOT hold the antenna when the radio is "IN USE." Holding the antenna affects call quality and may cause the radio to operate at a higher power level than needed.

Approved Accessories

For a list of approved Motorola accessories look in the appendix or accessory section of your radio's User Guide.

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 Health Industry Manufacturers Association 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.
• not carry the radio in the breast pocket.
• use the ear opposite the pacemaker to minimize the potential for interference.
• turn the radio OFF 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 to discuss alternatives.

• Other Medical Devices

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

SAFETY AND GENERAL

Use While Driving

Check the laws and regulations on the use of radios in the area where you drive. Always obey them.

When using your radio while driving, please:
• Give full attention to driving and to the road.
• 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 AN AIR BAG

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

Turn off your radio prior to entering any area with a potentially explosive atmosphere, unless it is a 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.

NOTE: 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, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

BLASTING CAPS AND 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 touch 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.

CHARGER SAFETY INSTRUCTIONS

Before using the battery charger, read all instructions and cautionary markings on:
1. the battery
2. the battery charger, and
3. the radio using the battery.

Caution: To reduce the risk of injury, charge only HKNN4002 rechargeable batteries. Other types of batteries may burst, causing personal injury and damage.
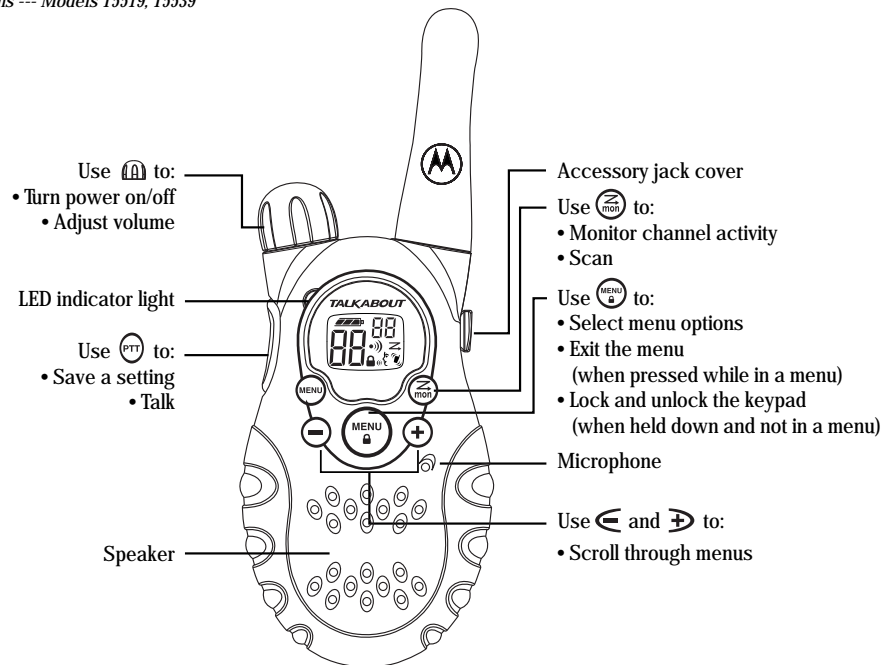
SAVE THESE INSTRUCTIONS

1. Do not expose the charger to rain or snow.
2. Do not operate the charger if it has received a sharp blow, or has been dropped or damaged in any way.
3. Do not disassemble the charger if it has received a sharp blow, or has been dropped or damaged in any way.
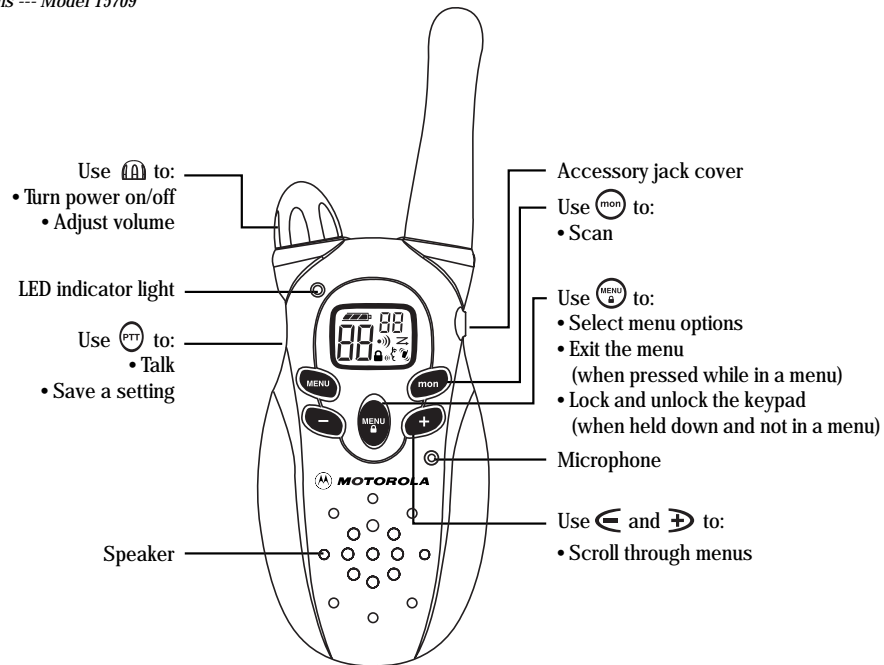4. Never alter the AC cord or plug provided with the unit. If the plug will not fit the AC outlet, have proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.
5. To reduce the risk of damage to the cord or plug, pull by the plug rather than the cord when disconnecting the charger from the AC receptacle.
6. To reduce the risk of electric shock, unplug the charger from the AC outlet before attempting any maintenance or cleaning.
7. Use of an attachment not recommended or sold by Motorola may result in a risk of fire, electric shock, or personal injury.
8. Make sure the cord is located so that it will not be stepped on, tripped over or subjected to damage or stress.
9. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and/or electric shock. If an extension cord must be used, make sure:
   • That the pins on the plug of the extension cord are the same number, size and shape as those on the plug of the charger.
   • That the extension cord is properly wired and in good electrical condition, and
   • That the cord size is 18 AWG (1mm²) for lengths up to 100 feet (30 metres) and 16 AWG (1.3mm²) for lengths up to 150 feet (45 metres).
10. The supply cord of this charger cannot be replaced. If the cord is damaged, contact the retailer where you purchased this unit from.
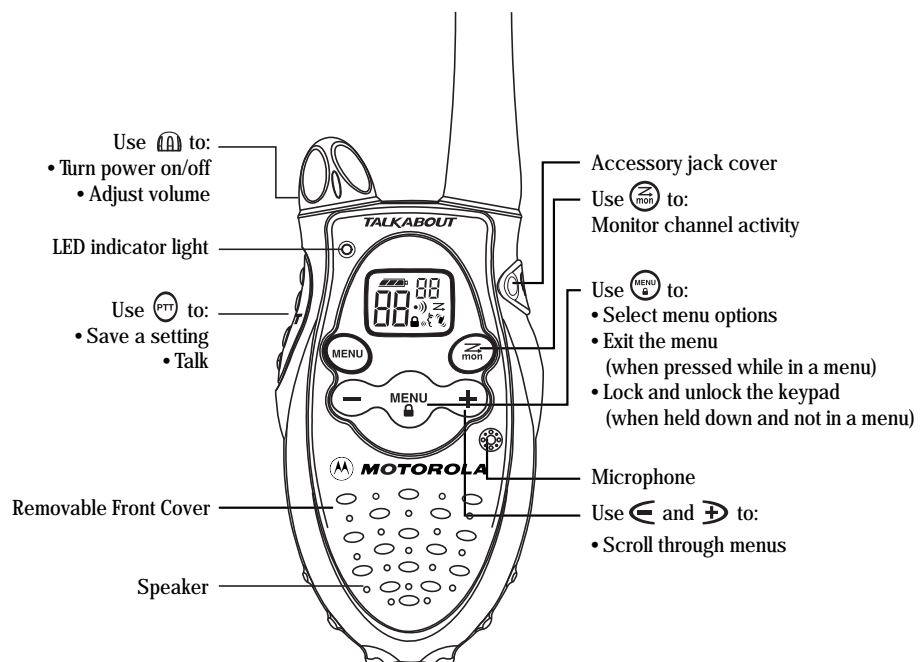
Control Buttons --- Models T5519, T5539

Use ⬛ to:
• Turn power on/off
• Adjust volume

LED indicator light

Use (PTT) to:
• Save a setting
• Talk

Speaker

Accessory jack cover

Use ⌖ to:
• Monitor channel activity
• Scan

Use (MENU) to:
• Select menu options
• Exit the menu
  (when pressed while in a menu)
• Lock and unlock the keypad
  (when held down and not in a menu)

Microphone

Use ⬅ and ➡ to:
• Scroll through menus

Control Buttons --- Model T5709

Use 🔋 to:
• Turn power on/off
• Adjust volume

LED indicator light

Use (PTT) to:
• Talk
• Save a setting

Speaker

Accessory jack cover

Use (mon) to:
• Scan

Use (MENU) to:
• Select menu options
• Exit the menu
  (when pressed while in a menu)
• Lock and unlock the keypad
  (when held down and not in a menu)

Microphone

Use ⊆ and ⊅ to:
• Scroll through menus

Control Buttons --- Model T5419

Use 🔋 to:
• Turn power on/off
• Adjust volume

LED indicator light

Use (PTT) to:
• Save a setting
• Talk

Removable Front Cover

Speaker

Accessory jack cover

Use (mon) to:
Monitor channel activity

Use (MENU) to:
• Select menu options
• Exit the menu
  (when pressed while in a menu)
• Lock and unlock the keypad
  (when held down and not in a menu)

Microphone

Use ⊆ and ⊅ to:
• Scroll through menus

YOUR NEW RADIO

Motorola T5709, T5419, T5519 and T5539 two-way radios operate on UHF-CB frequencies, and can be used in any country where UHF-CB frequencies are authorized, subject to applicable regulations.

Turning Your Radio On And Off

Turn 🔘clockwise to turn your radio on. The radio chirps and the display will show all feature icons that your radio has available for a brief period. The display will show the channel 1-40 (except 22,23) and interference eliminator code 0-38. Turn 🔘 anti-clockwise to turn your radio off.

Radio Etiquette

It is good radio etiquette to monitor the channel for activity before you transmit, to ensure that you do not interrupt other users already on the channel.

Press and hold 🔘 to check for channel activity. If you hear static, the channel is clear for use.
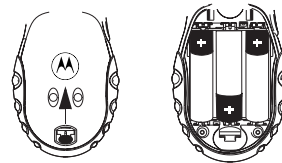
POWER

Batteries (not suppied)

T5709, T5419, T5519 and T5539 radios operate with 3 AA Alkaline batteries or a Nickel Cadmium (NiCd) rechargeable battery. Please refer to page 17 for battery life information. A rechargeable upgrade kit (can be purchased separately from your supplier).

Installation of AA Batteriery Pack
(use only genuine Motorola accessorie part HKUE1067A)
• Lift battery latch up to release the battery cover.
• Insert 3 AA batteries as shown.
• Reposition battery cover and press down until it clicks into place.

Installation of NiCd Batteries
• Lift battery latch up to release the battery cover.
• Insert NiCd battery pack.
• Reposition battery cover and press down until it clicks into place.

Note: Remove batteries before storing your radio for extended periods. Batteries corrode over time and may cause permanent damage to your radio. Exercise caution when handling batteries that are leaking. Dispose of exhausted batteries at a designated battery disposal unit and not in the household waste.

The Battery Meter
The battery meter located in the top left hand corner of the display indicates how much battery power you have remaining. The radio will power off when the voltage drops below a predetermined level, to protect the rechargeable battery. When the battery meter has one segment left ▭ , the radio chirps after releasing 🔘 and every 10 minutes.

Note: A fully charged NiCd battery pack may only display two bars on the battery meter.

Charging Desk Stand (Optional Accessory)
The charging desk stand provides drop-in charging convenience. The charging desk stand can be placed on any flat surface, such as a desk or workbench. Charge the NiCd battery overnight (16 hours) before using it for the first time.

• With the radio OFF, remove the battery cover.
• Insert the battery pack as indicated on the battery pack label.
• Replace the battery cover.
• Plug the wire on the AC power supply into the plug on the desk stand.
• Plug the AC power supply into a standard wall socket.

• Slide the radio into one of the desk stand charging pockets, facing forward. The red light will glow if the radio is properly inserted.
• The radio/battery will be fully charged within 14 hours.

You can also charge the battery pack separately from the radio, as follows:

• Plug the wire on the AC power supply into the plug on the desk stand.
• Plug the AC power supply into a standard wall outlet.
• Insert the battery pack into the desk stand charging pocket using the charging pocket insert provided.
• Make sure that the contacts on the side of the battery pack align with the metal contacts in the pocket of the desk stand. The red light will glow if they have been properly inserted.
• The radio/battery will be fully charged within 14 hours.

Charging Status
The solid red light indicator shows that the radio and/or the NiCd battery is charging.

Note: When moving between hot and cold environments, do not charge the battery until the battery temperature acclimates (usually about 20 minutes).

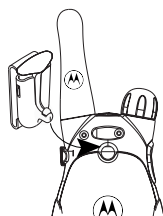A depleted battery will recharge to full capacity within 14 hours.

Note: For optimal battery life, remove the radio or battery from the charger within 16 hours. Do not store the radio or the battery in the charger.

Belt Clip

Your radio comes with a swivel belt clip.

To attach, align belt clip post with hole in the radio back and gently push until it clicks into place.

To remove, push release tab on top of belt clip down to release catch and pull belt clip from the radio back.

TALKING AND LISTENING

Read this manual carefully before use.

Your radio has 38 channels. If you are in a group and you wish to talk to each other, all radios must be set to the same channel and interference eliminator code. If you experience interference and need to change channel, ensure that you change the channel and code of all radios in your group.

• For maximum clarity, hold radio 5 to 7 centimeters from mouth.
• Press and hold (PTT) and speak into the microphone. LED indicator light glows continuously when transmitting.
• To receive messages, release (PTT) .

Volume

Use 🔊 to adjust your volume to a comfortable listening level.

Monitor

Pressing and holding 🔘 allows you to monitor your channel for activity.

Channel

• Press (MENU) . The channel number will begin to flash.
• Use 🔼 or 🔽 to change channel.
• Press (PTT) to set new channel.

Interference Eliminator Code

Interference eliminator codes help minimize interference by providing you with a choice of code combinations.

• Press (MENU) until the code number begins to flash.
• Use 🔼 or 🔽 to change the code.
• Press (PTT) to set new code.

You can specify a different code for each channel.

• To set a channel and code combination, press (MENU) and then press 🔼 or 🔽 to select the channel.
• Press (MENU) again and then press 🔼 or 🔽 to select a code.
• Press (PTT) to exit the menu and to save the channel and code combination.

To set another channel and code combination, repeat these steps.

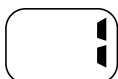Note: Channel 5 and 35 have no Interference Eliminator Code (CTCSS).

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Duplex Mode

The units support the use of repeater in Duplex mode or without the use of repeater in Simplex mode. This Duplex mode is only supported for Channel 1 to Channel 8. When in these channels, press 🔽 or 🔼 button will trigger between Duplex and Simplex mode.

For example,
in channel 1, duplex mode will display:

Simplex mode will display:

Time-out Timer

The Time-out Timer feature helps extend battery life by preventing accidental transmission. The radio will emit a continuous warning tone after (PTT) is pressed for 60 continuous seconds and will stop transmitting.

Keypad Lock

The keypad lock disables the (MENU) , 🔼 and 🔽 buttons. It also disables the scan function, but allows you to use the 🔘 button to monitor the channel. It also allows you to use the (PTT) and 🎵 buttons.

Press and hold the (MENU) button for three seconds to lock or unlock the keypad. When the radio is locked 🔒 will show in the display.

Scan (For T5519 and T5539 only)

By scanning, you can monitor channels and codes for transmissions and lock in on the one that interests you. More importantly, you can find someone in your group who has accidentally changed channels and is talking during your scan.

• To start scanning, briefly press and release the 🔘 button.
• If you activate scan while your code is set to 0, then the radio will check for any activity on each channel, regardless of the code in use on that channel.
• If you activate scan while the code is set on 1 to 38, the radio will only check for activity on the specific channel and code combinations that are set on your radio.
• While the radio is scanning, ⚡ will display and the radio will scroll through the channels.
• When activity is detected on a channel, the radio will stop scanning and you will hear whatever transmissions are detected. The radio's display will show the channel and code on which activity was detected.
• If you want to respond to the transmission, press (PTT) within 5 seconds and you can respond.
• The radio will resume scanning after 5 seconds of inactivity on the channel.
• To stop scanning, briefly press and release 🔘 .

Scan Advance (For T5519 and T5539 only)

If scan stops on a channel that you don't want to listen to, briefly press 🔼 or 🔽 to resume scanning for the next active channel.
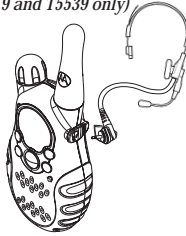
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Nuisance Delete (For T5519 and T5539 only)

If scan continuously stops on an undesired channel, press and hold ⫐ or ⊆ for at least 3 seconds, then release. This will temporarily remove the undesired channel from the scan list. To restore the channel to the scan list, turn the radio off and then on. You cannot remove your home channel from the scan list (your home channel is the channel your radio was set to when you activated scan).

Hands Free Use (VOX) (For T4419, T5519 and T5539 only)

VOX allows you to transmit "hands-free" by talking while using VOX accessories connected to the radio.

Note: When using audio accessories with your radio, turn the volume of your radio down before you place the accessory on your head or in your ear.

How To Use The VOX Feature

• Switch off your radio.
• Open the accessory cover and insert the audio accessory into the accessory jack.
• Switch on your radio. The «ᛈ icon will appear in the display to indicate that the VOX feature is active.
• To transmit, speak into the accessory microphone. To receive, stop talking.
• Pressing (PTT) or removing audio accessory will disable VOX operation.

Note: There is a short delay after you start talking, before the radio transmits.

Setting Sensitivity Levels

Adjusting your radio's VOX and/or microphone sensitivity level helps to minimize the possibility of unintended noises triggering a transmission, or enhances the ability to pick up quiet voices.

If an accessory is fitted to your radio these instructions will help you to adjust the VOX sensitivity and if no accessory is fitted you will adjust the Microphone sensitivity.

• Press (MENU) until «ᛈ and a flashing number appear in the display.
• Select sensitivity level of 1, 2 or 3 by using ⫐ or ⊆ .

1 - If you speak loudly, or are in a noisy environment.
2 - Suitable for most applications.
3 - If you speak softly, or are in a quiet environment.

Note: When you connect a VOX accessory, the radio will automatically be set to the last chosen VOX sensitivity level.

Vibrate (For T5539 only)

The T5539 radio can be set to vibrate when it receives the first incoming transmission. Vibrate is then suspended until 30 seconds after channel activity has finished.

• Press (MENU) until the 🜂 icon shows in the display
• Set to ४ to enable and ‑ to disable the vibrate feature.

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ALERTS

Channel Busy Indicator

The red LED will flash twice per second to indicate that the channel is in use.

Roger Beep (Talk Confirmation Tone)

When you turn on this feature, your two-way radio transmits a unique tone when you finish transmitting. It's like saying 'Roger' or 'Over', and lets others know you've finished talking.

• To enable or disable the roger beep, press and hold ⫐ as you turn your radio on.
• When the roger beep is enabled •)) will show in the display.
• When you release the (PTT) button you will hear the roger beep.

FURTHER INFORMATION

Talk Range

Your radio has been designed to maximize performance and improve transmission range in the field. It is recommended that you do not use the radios closer than 1.5 meters apart, to avoid interference.

Talk range depends on the terrain. It will be affected by concrete structures, heavy foliage and by operating radios indoors or in vehicles.

Optimal Range Outdoors	Medium Range Outdoors	Minimal Range Outdoors
Flat, open areas	Buildings or trees Also near residential buildings	Dense foliage or mountains. Also inside some buildings

Optimal range occurs in flat, open areas, with up to 3 kilometres of coverage. Medium range occurs when buildings and trees are in the way. Minimal range occurs when dense foliage and mountains obstruct the communication path.

ACCESSORIES

There are many Motorola accessories (sold separately) available for radios.
For more information, contact place of purchase or go to Motorola web site.

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TROUBLESHOOTING

Problem	Solution
No power or erratic display	Reposition or replace batteries.
Message not transmitted	Make sure (PTT) is completely pressed while you transmit. Reposition or replace batteries. Shared channel may be in use, try another channel.
Message not received	Confirm radios have same channel and interference eliminator codes (helps minimize interference). Make sure (PTT) is not inadvertently being pressed. Reposition or replace batteries. Obstructions, operating indoors or in vehicles may interfere with communication. Change your location. Check to make sure volume is turned up.
Hearing other conversation or noise on a channel.	Shared channel may be in use, try another.
Limited talk range	Steel or concrete structures, heavy foliage and use in buildings and in vehicles will decrease range. Check for clear line of sight to improve transmission. Wearing radio close to body such as in a pocket or on a belt will decrease range. Change location of radio.
Heavy static or interference	Radios too close. Radios must be at least 1.5 metres apart. Radios too far apart. Obstacles interfere with transmission.

USE AND CARE

To clean radio, use a
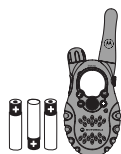soft damp cloth

Do not immerse
in water

Do not use alcohol or
cleaning solutions

*If the radio
gets wet...*

Turn it off and
remove batteries

Dry with soft cloth. Battery
contacts may be wiped with
a dry, lint-free cloth

Do not use until
completely dry

Specifications

Description	Specifications	
Channels	38	
Codes	38	
Operating Frequency	476.425-477.400 MHz	
Talk Range	Up to 3 kilometres	
Power Source	3 AA alkaline batteries or NiCd battery pack	
Type Designation	T5709, T5419, T5519, T5539	
Transmitter Power (Watts)	0.5 ERP	
Modulation Type	Phase (Angle)	
Channel Spacing (kHz)	25	
Channel Protocol	CTCSS	

Battery Life*:	AA**	NiCd
5% transmit, 5% receive and 90% standby	30hrs	12hrs

* Typical
** With premium quality alkaline cells.

Warranty Information

How to get product support and warranty service

Australia

Please visit our website www.oricom.com.au for answers to your questions in our Frequently asked Questions section or send an email to, or call our Helpline on 1300 889 785 for assistance from our trained staff. Do not return your unit to Motorola.

New Zealand

Please visit or website www.oricom.co.nz for answers to your questions in our Frequently asked Questions section or send an email to, or call our Helpline on 0900-500-25 (Toll Call) for assistance from our trained staff. Do not return your unit to Motorola.

Note

Always keep your proof of purchase as you will need it to claim warranty service. The two –way radio should clearly display the serial number. Warranty will not apply if the type or serial numbers on the product have been altered, deleted or are illegible.

Full warranty information is contained in the warranty card enclosed.

What Is Not Covered By The Warranty

1. Defects or damage resulting from use of the Product in other than its normal and customary manner or by not following the instructions in this user manual.

2. Defects or damage from misuse, accident or neglect.

3. Defects of damage from improper testing, operation, maintenance, adjustment, or any alteration or modification of any kind.

4. Breakage or damage to aerials unless caused directly by defects in material or workmanship.

5. Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.

6. Defects or damage due to range.

7. Defects or damage due to moisture, liquid or spills.

8. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal use.

9. Products rented on a temporary basis.

10. Periodic maintenance and repair or replacement of parts due to normal usage, wear and tear.

Copyright Information

APPROVED MOTOROLA ACCESSORIES (sold separately)

Earbud with Push-To-Talk Microphone
HCLE4045A
Discreet, lightweight earpiece with hand-operated lapel or collar mounted microphone. Allows clear communication without disturbance or interference.
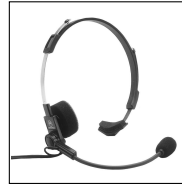
Rechargeable NiCd Battery
HKUE1067A
It is always nice to know you have good back-up. A rechargeable battery pack – have one spare for those busy times.

NiCd Rechargeable Battery Upgrade Kit
HKUE1066A
The NiCd rechargeable battery upgrade kit is used to charge the NiCd batteries for the radios. The kit includes two NiCd batteries, a charging stand and two charging pocket inserts.

Headset with Boom Microphone
HCLE4044A
Comfortable, lightweight headset helps eliminate background noise. Provides access to the voice activated transmission (VOX) mode. Ideal for situations which require hands-free operation.

There are many accessories (sold separately) available for radios.
For more information refer to the brochure or contact place of purchase.

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MOTOROLA

TALKABOUT ® T5419, T5709, T5519, T5539

UHF-CB Recreational Two-Way Radio

3 Km range *

No licence fee or airtime charges

Handsfree use (vox) with optional accessory
(For T5419, T5519, T5539 only)

Scan (For T5519, T5539 only)

Water resistant

38 channels and 38 codes

* Depending on terrain and conditions

UHF CB Radio

UHF Channels & Frequencies

UHF-CB Frequency List --- Australia & New Zealand

CH No.	Frequency (MHz)	Usage	CH No.	Frequency (MHz)	Usage
01	476.425	Simplex / Duplex	21	476.925	Simplex
02	476.450	Simplex / Duplex	22	476.950	No Use
03	476.475	Simplex / Duplex	23	476.975	No Use
04	476.500	Simplex / Duplex	24	477.000	Simplex
05	476.525	Emergency	25	477.025	Simplex
06	476.550	Simplex / Duplex	26	477.050	Simplex
07	476.575	Simplex / Duplex	27	477.075	Simplex
08	476.600	Simplex / Duplex	28	477.100	Simplex
09	476.625	Repeater	29	477.125	Simplex
10	476.650	Repeater	30	477.150	Simplex
11	476.675	Emergency	31	477.175	Simplex
12	476.700	Repeater	32	477.200	Simplex
13	476.725	Repeater	33	477.225	Simplex
14	476.750	Repeater	34	477.250	Simplex
15	476.775	Repeater	35	477.275	Emergency
16	476.800	Repeater	36	477.300	Simplex
17	476.825	Repeater	37	477.325	Simplex
18	476.850	Repeater	38	477.350	Simplex
19	476.875	Repeater	39	477.375	Simplex
20	476.900	Repeater	40	477.400	Simplex

NOTE : (a) Channel 11 is a Backup Emergency Channel for both Simplex and Duplex.
Please do not use this Channel for Non-emergency calling.
(b) Channel 5 and 35 have no Interference Eliminator Code Chart (CTCSS)

Interference Eliminator Code Chart (CTCSS)

Code	Hz Freq	Code	Hz Freq	Code	Hz Freq	Code	Hz Freq
0	Disabled	10	94.8	20	131.8	30	186.2
1	67.0	11	97.4	21	136.5	31	192.8
2	71.9	12	100.0	22	141.3	32	203.5
3	74.4	13	103.5	23	146.2	33	210.7
4	77.0	14	107.2	24	151.4	34	218.1
5	79.7	15	110.9	25	156.7	35	225.7
6	82.5	16	114.8	26	162.2	36	233.6
7	85.4	17	118.8	27	167.9	37	241.8
8	88.5	18	123.0	28	173.8	38	250.3
9	91.5	19	127.3	29	179.9		

MOTOROLA

TALKABOUT ®

UHF-CB RECREATIONAL TWO-WAY RADIOS

User's Guide

Models T5519,T5539,T5709,T5419

- **38 channels**

- **38 Interference Eliminator Codes**
  Interference eliminator codes help minimize interference by providing you with a choice of code combinations.

- **Vibrate**
  (Model T5539 only).
  Privately alerts you of an incoming call.

- **Handsfree Use (VOX)**
  (Models T5419, T5519 and T5539 only)
  Voice activation lets you talk handsfree with optional accessories.

- **Duplex Mode**
  The units support the use of repeater in Duplex mode or without the use of repeater in Simplex mode.

- **Scan**
  (Models T5519 and T5539 only)
  Easily finds your group's channel and code by searching all possible combinations while your home channel is scanned most frequently.

- **Keypad Lock**
  Prevents your settings from being accidentally changed.

- **Low Battery Alert**
  Audible tone and visual display tells you when the battery is running down.

- **Backlit Display**
  Easy to read your settings in dark places.

- **Motorola Quality**
  Shock, drop, and temperature tested to meet Motorola's high quality standards.

- **1 Year Limited Warranty**
  For a copy of this warranty prior to purchase, please ask your retailer.

- **User's Guide Included**

- **Batteries (not included)**
  Requires 3 AA alkaline batteries or one NiCd rechargeable battery.

⚠ WARNING CHOKING HAZARD
SMALL PARTS
Not for children under 3 years.
This product is not intended to be used as a toy or plaything.

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