MOTOROLA
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RBR MotoTalk

Model Name/Number

User Guide

Motorola, Inc.
8000 West Sunrise Boulevard
Fort Lauderdale, Florida 33322

9980384R89

Product Safety and RF Exposure Compliance

Before using this product, read the operating instructions for safe usage contained in the Product Safety and RF Exposure booklet enclosed with your radio.

ATTENTION!

This radio is restricted to occupational use only to satisfy FCC RF energy exposure requirements. Before using this product, read the RF energy awareness information and operating instructions in the Product Safety and RF Exposure booklet enclosed with your radio (Motorola Publication part number 6881095C98) to ensure compliance with RF energy exposure limits.

For a list of Motorola-approved antennas, batteries, and other accessories, visit the following web site which lists approved accessories: <http://www.motorola.com/cgiss/index.shtml>

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Table of Contents

Chapter 1 Introduction 1-1

Notations Used in This Manual 1
Your RBR MotoTalk Radio 2
Understanding Your Display 3
Status Indicators 3
Alert Tones 3
Standard Accessories 3
- Battery 3
- Charging Status LEDs 4
- Swivel Belt Holster 5
- Universal Connector Cover 5

Chapter 2 General Radio Operations 2-7

Turning Your Radio On or Off 7
Adjusting the Volume 7
Using the Radio 7
- Send a Message 7
- Receiving a Message or Alert 8
- Managing Your Messages and Alerts 8

Access the Main Menu 9
- Recent Calls 9
- Settings 10
- My Info 12

Chapter 3 Advanced Radio Operations 3-13

Accessing the Advanced Menu 13
- Managing Your Scroll List 13
- Enabling Call Forwarding 13
- Remote Disabling 15
- Remote Monitoring 15

Programming a MotoTalk Radio 16
- Contacts 16

Chapter 4 Motorola Limited Warranty for the United States and Canada 4-17

What Does this Warranty Cover? 17
- Products and Accessories 17
- Exclusions 17
- Software 18

Who is Covered? 18
How to Obtain Warranty Service or Other Information? 18
Software Copyright Notice 18
Patent Notice 19
Export Law Assurances 19

FCC Licensing Information

MotoTalk professional two-way radios operate in the license-free 900MHz ISM band and is subject to the Rules and Regulations of the Federal Communications Commission (FCC).

Read this manual carefully and make sure you know how to properly operate radio before use.

Changes or modifications not expressly approved by Motorola may void the user's authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

NOTE: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Chapter 1 Introduction

Thank you for purchasing a Motorola, RBR MotoTalk®. Your radio is a product of Motorola's 75 plus years of experience as a world leader in the designing and manufacturing of communications equipment. The MotoTalk radios provide cost-effective communications for businesses such as retail stores, restaurants, schools, construction sites, manufacturing, property and hotel management, and more. Motorola professional two-way radios are the perfect communications solution for all of today's fast-paced industries.

Please read this manual carefully to ensure you know how to properly operate the radio before use.

Package Contents:

- Radio
- Holster
- Li-ION Battery
- Desktop Charger
- Power Supply
- iEUT Toolkit (Documentation CD)
- Warranty Card
- RF Safety Leaflet

This User's Guide covers basic operation and maintenance of your MotoTalk radio.

Notations Used in This Manual

Throughout the text in this publication, you will notice the use of WARNINGS, Cautions, and Notes. These notations are used to emphasize that safety hazards exist, and the care that must be taken or observed.

WARNING: **An operational procedure, practice, or condition, etc., which may result in injury or death if not carefully observed.**

CAUTION: An operational procedure, practice, or condition, etc., which may result in damage to the equipment if not carefully observed.

NOTE: An operational procedure, practice, or condition, etc., which is essential to emphasize.

The following special notations identify certain items:

Example	Description
Light button	Button names are shown in bold print.
	Radio keys and buttons are shown as they appear on the radio.
	Text appearing on the display is shown in a custom font.

Your model number is shown on the back of the radio above the battery door, and tells you the following information:

Model	Model Number Location	Frequency Band	Transmit Power (Watts)
MotoTalk	Graphic Placeholder	900MHz ISM	1

Your RBR MotoTalk Radio

Graphic Placeholder

Understanding Your Display

Graphic Placeholder

Status Indicators

Alert Tones

Standard Accessories

Battery

WARNING: To avoid a possible explosion: DO NOT replace the battery in any area labeled "hazardous atmosphere." DO NOT discard batteries in a fire.

Battery Life

Your radio uses a rechargeable Lithium Ion (Li Ion) battery.

Based on 5% transmit, 5% receive, 90% standby (standard duty cycle):

- Li Ion – 12 Hours

Battery life is determined by several factors. Among the more critical are the regular overcharge of batteries and the average depth of discharge with each cycle. Typically, the greater the overcharge and the deeper the average discharge, the fewer cycles a battery will last.

For example, a battery which is overcharged and discharged 100% several times a day, lasts fewer cycles than a battery that receives less of an overcharge and is discharged to 50% per day. Further, a battery which receives minimal overcharging and averages only 25% discharge, lasts even longer.

WARNING: Care should be taken to avoid external short circuiting of the battery. A sustained high-rate discharge (for example, a paper clip placed accidentally across the battery contacts) may permanently damage the battery, void the battery warranty, and create a burn or fire hazard.

Motorola batteries are designed specifically to be used with a Motorola charger and vice versa. Charging in non-Motorola equipment may lead to battery damage and void the battery warranty. The battery should be at about 77°F (25°C) (room temperature), whenever possible. Charging a cold battery (below 50° F [10°C]) may result in leakage of electrolyte and ultimately in failure of the battery.

Charging a hot battery (above 95°F [35°C]) results in reduced discharge capacity, affecting the performance of the radio. Motorola rapid-rate battery chargers contain a temperature-sensing circuit to ensure that batteries are charged within the temperature limits stated above.

WARNING: Do not attempt to change or charge the battery in a hazardous atmosphere.

To charge the battery, place the battery (with or without the radio) in a Motorola-approved charger. The charger's LED indicates the charging progress; see your charger user guide for details.

Charging the Battery

To charge the battery:

1. Place the charger on a flat surface.
2. Insert the plug of the power cord into the jack on the charger.
3. Plug the cord into an AC outlet.
4. Turn the radio off. If the radio is on while charging, it will take longer to fully charge.
5. Insert the radio (with battery installed) into the front charging pocket.

The radio will fit in the charger with the holster on.

The drop-in charger will also sequentially charge a spare Li Ion battery.

The spare battery will not begin to charge until the radio battery is fully charged. Both batteries will charge in approximately 2-3 hours.2–6 hours.

Charging Status LEDs

On the drop-in charger, the radio and battery charging pockets have their own LEDs. On the MUC, each of the 6 charging pockets has an LED. The LEDs are grouped into pairs to show which charging pockets are paired (for cloning, see page 32).

The LED is solid red when the battery is charging, and solid green when charging is complete.

Battery Meter

The battery meter in the upper left corner of the display (see page 20) shows how much battery power is remaining:

Battery Type	3 Bars	2 Bars	1 Bar	Flashing
Li Ion				
	100%–85%	85%–25%	25%–10%	Final 10%

Attaching the Battery

To attach the battery:

1. If the battery door is already in place, push down on the recess on the door and slide it off the radio.
2. Insert the battery, printed arrows first, into the battery compartment and press down to secure firmly in place.
3. Slide and snap the battery door into place.

Graphic Placeholder

Swivel Belt Holster

1. Slide the bottom of radio into the holster until it snaps into place.
2. To remove, push the tab above the battery door and pull the radio from holster.

Graphic Placeholder

NOTE: In case of loss, please contact your point-of-sale to request replacement part number RLN5713A.

Universal Connector Cover

Notes

Chapter 2 General Radio Operations

Your radio is ready for use after a fully-charged battery and an antenna have been connected to the radio. Refer to pages 4 and 5 to ensure a complete understanding of the radio's controls and indicators.

Turning Your Radio On or Off

Press the **Power button** to turn your radio on.

The radio chirps and the display briefly shows all features and display segments of your MotoTalk radio.

The transmit light on the front left of the radio flashes every three seconds when the radio is on.

Adjusting the Volume

To adjust the speaker volume,

Graphic Placeholder

Using the Radio

1. Press and hold the **PTT button** and speak into the microphone. To maximize clarity, hold the radio two-to-three inches away from your mouth.

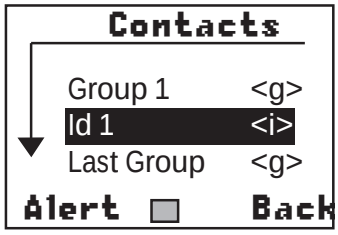
NOTE: The transmit light on the front left of the radio lights red when transmitting.

2. Release the **PTT button** and listen for messages.

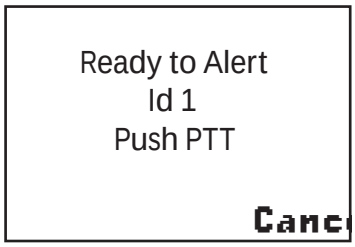
Send a Message

Select A Contact

From the main screen, select the softkey below **Contcs** to view the Contact list. The Contact List screen appears.



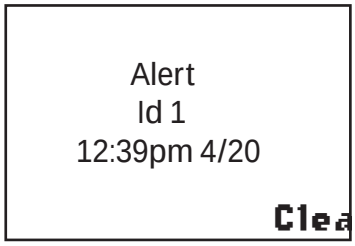
Use the arrow keys to scroll up or down to highlight a desired Contact. Press the softkey directly below **Alert** to select the Contact. The LCD changes as shown below:



Press the **PTT button** to talk and release it to listen.

Receiving a Message or Alert

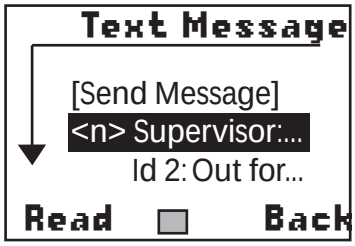
The screen changes to signify when a message or alert is coming in to the radio.



Press the **PTT button** to talk and release it to listen.

Managing Your Messages and Alerts

From the Main screen, select the softkey below **Mesgs** to receive, send and manage text messages. The Text Messages screen appears.

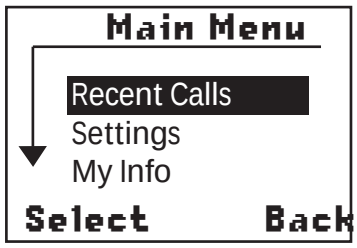


The New Message icon (<n>) appears in front of any new unread messages. To read a message, use the arrow keys to scroll to the desired message and press the softkey below Read on the LCD.

Access the Main Menu

Press the **Menu button** to access the Main menu.

The Main menu appears.



Use the arrow keys to scroll through the available menu options. Highlight the desired menu option and press the softkey directly below **Select**. The screen changes to show the selected view:

Recent Calls

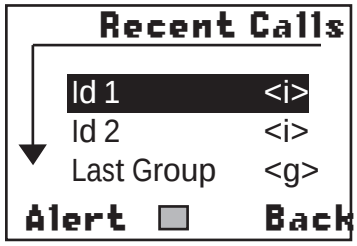
This menu lists recent calls received and allows the user to view, alert or delete recent calls on the list. Use the arrow keys to select a recent caller from the list and

Alerting a Recent Caller

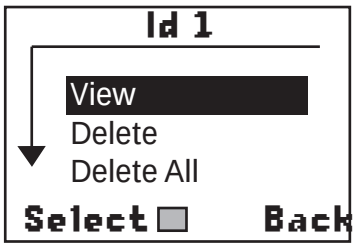
Use the arrow keys to select a recent caller from the list and press the softkey below **Alert** to contact the selected ID.

Viewing a Recent Call

Use the arrow keys to select a recent caller from the list and press the arrow tkey below the square to view more options for the selected ID. The screen changes to show the Recent Calls Options menu.



Use the arrow keys to highlight **View** and press the softkey directly under **Select** on the screen. The screen changes to show details for the selected call.

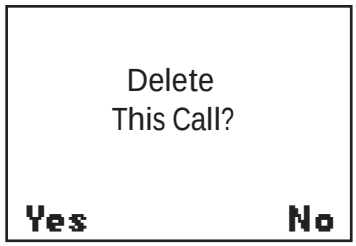


Using the softkeys, choose either **Back** to access the previous screen or **Alert** to call the selected Contact.

Deleting a Recent Call

Use the arrow keys to highlight a recent caller from the list and press the arrow key below the square to view more options for the selected ID. The screen changes to show the Options menu.

Use the Arrow keys to highlight **Delete** or **Delete All** and press the softkey directly under **Select** on the screen.

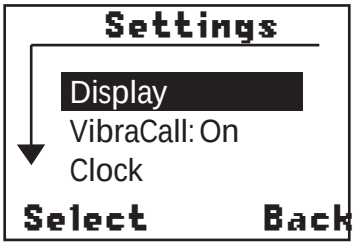


Use the softkeys to select **Yes** or **No**. The screen changes to confirm that the call or calls have been deleted and then returns to the Recent Calls list.

Settings

Press the **Menu button** to access the main menu.

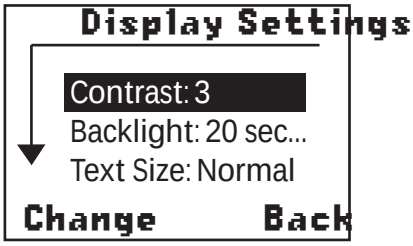
From the Main menu, use the arrow keys to highlight **Settings** and press the softkey directly below **Select**. The Settings menu appears.



Use the arrow keys to highlight the desired function and press the softkey directly below **Select**. Pressing **Back** takes you to the previous screen.

Accessing the Display Menu

From the Settings menu, use the arrow keys to highlight **Display** and press the softkey directly below **Select**. The Display menu appears.



Adjusting the Contrast

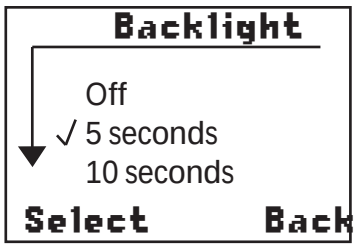
From the Display menu, use the arrow keys to highlight **Contrast** and press the softkey directly below **Change**. The Contrast screen appears.

Graphic Placeholder

Use the Arrow keys to adjust the Contrast as necessary and then press **Back**.

Setting the Backlight

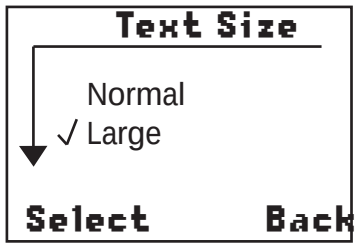
From the Display menu, use the arrow keys to highlight **Backlight** and press the softkey directly below **Change**. The Backlight screen appears.



You can set the backlight time to 5, 10, 15 or 20 seconds by using the arrow keys to scroll and highlight the desired time selection. Then press the softkey directly under **Select** to save the setting and return to the previous screen.

Changing the Screen Text Size

From the Display menu, use the arrow keys to highlight **Text Size** and press the softkey directly below **Change**. The Text Size screen appears.

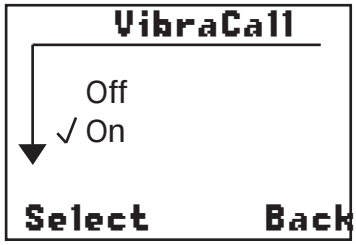


You have two text selections; Normal and Large. Use the arrow keys to highlight your selection and press the softkey directly below **Select** to save the selection and return to the previous menu.

VibraCall

VibraCall allows you to set the MotoTalk to vibrate with no audio alert tones when messages or alerts are received.

From the Settings menu, use the arrow keys to highlight **VibraCall** and press the softkey directly below **Select**. The Vibracall screen appears.



Setting the Clock

From the Settings menu, use the arrow keys to highlight **Clock** and press the softkey directly below **Select**. The Clock screen appears.

Graphic Placeholder

To set the clock,

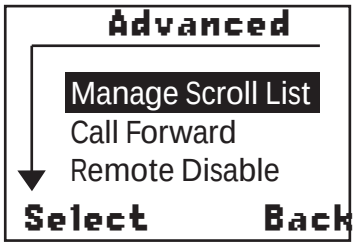
My Info

When this option is selected from the Main menu, the My Info screen appears displaying your Name, ID and Zone.

Chapter 3 Advanced Radio Operations

Accessing the Advanced Menu

From the Settings menu, use the arrow keys to highlight **Advanced** and press the softkey directly below **Select**. The Advanced screen appears.

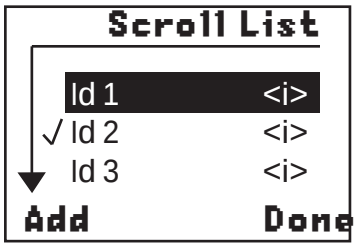


Managing Your Scroll List

From the Advanced menu, use the arrow keys to scroll and highlight **Manage Scroll List** from the menu. Press the softkey directly below **Select**. The Scroll List screen appears.

NOTE: A ✓ next to an Id on the Scroll list indicates that the Id is already on the Contact list accessed using the arrow keys from the Home screen.

The Scroll list contains all members in your customized MotoTalk group (see Programming the Scroll List for more information). To add or delete members on the Contact list, use the arrow keys to highlight the desired member. Press the softkey directly below **Add** or **Delete**.

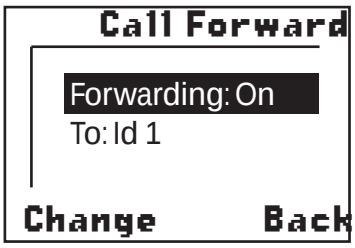


Does a screen confirm the action??

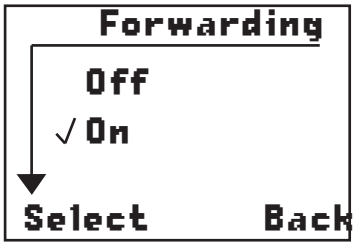
Enabling Call Forwarding

Call forwarding enables the user to forward all incoming calls or messages to another Id from the Contact list.

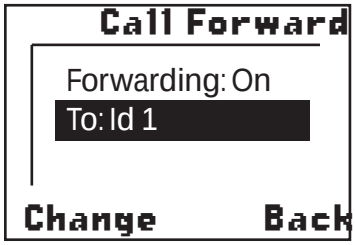
From the Advance menu, use the arrow keys to scroll and highlight **Call Forwarding**. Press the softkey directly below **Select**. The screen changes to show the Call Forwarding screen as illustrated below.



To turn the Call Forwarding function on or off, use the arrow keys to highlight **Forwarding** and press the softkey directly below **Change**. The screen changes to show the **Forwarding** screen.



Use the arrow keys to select the desired function and press the soft key directly below **Select**.



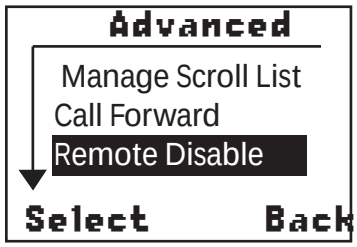
To change or select the Id designated to receive forwarded calls, use the arrow keys to highlight the **To Id** function as illustrated above and press the softkey directly below **Change**.

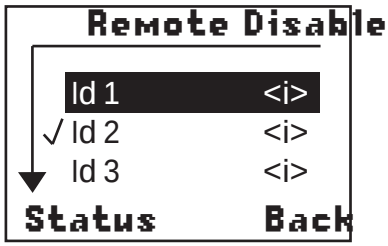
Graphic Placeholder

Remote Disabling

Remote Disabling allows the user to remotely enable or disable the MotoTalk radio.

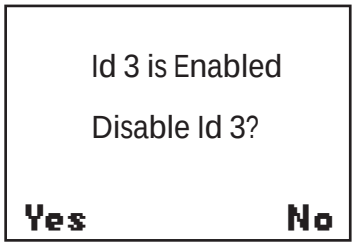
NOTE: Manager Mode must be enabled in order to use this feature.





NOTE: A ✓ next to an Id on the Remote Monitor list indicates that the Id is already selected for remote monitoring.

To disable an Id, use the arrow keys to highlight an Id from the list. Press the softkey directly below **Status**. The screen changes to show the Id's status as illustrated below.



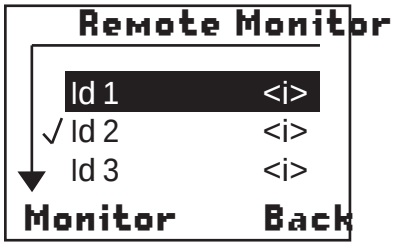
To enable or disable the selected Id, press the softkey directly below Yes or No to specify the appropriate answer.

Remote Monitoring

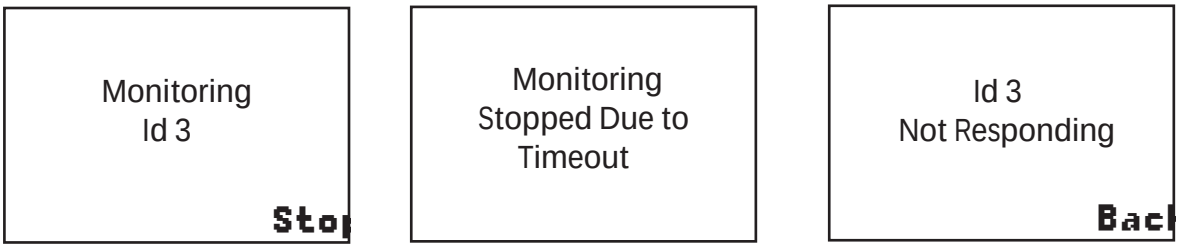
NOTE: Manager Mode must be enabled in order to use this feature.

Remote Monitoring allows you to monitor a selected Id to see if the Id is available or busy before trying to send a message or alert.

NOTE: A ✓ next to an Id on the Remote Monitor list indicates that the Id is already selected for remote monitoring.

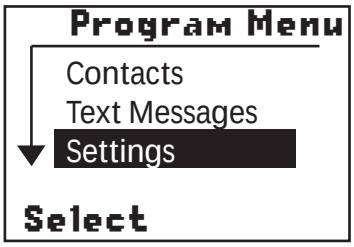


To monitor an Id, use the arrow keys to highlight an Id from the list to monitor. Press the softkey directly below Monitor. The screen changes to show the Id's status as illustrated below.

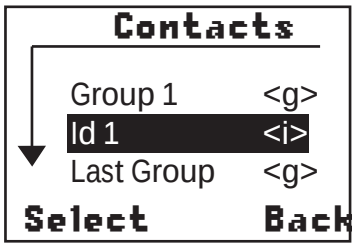


NOTE: Remote Monitoring automatically times out after 60 seconds. The screen changes to display the above timeout message for three seconds and returns to the Remote Monitor screen.

Programming a MotoTalk Radio



Contacts



Chapter 4 Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, 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 is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States, which are accompanied by this written warranty:

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	**One (1) year** from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	**Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the product.
Professional Two-way Radio Accessories.	**One (1) year** from the date of purchase by the first consumer purchaser of the product.
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 form 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.

Software

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.

How to Obtain Warranty Service or Other Information?

Contact your point of purchase.

Software Copyright Notice

The Motorola products described in this manual may include copyrighted Motorola and third party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

Patent Notice

This product is covered by one or more of the following United States patents.

5896277 5894292 5864752 5699006 5742484 D408396 D399821 D387758
D389158 5894592 5893027 5789098 5734975 5861850 D395882 D383745
D389827 D389139 5929825 5926514 5953640 6071640 D413022 D416252
D416893 D433001

Export Law Assurances

This product is controlled under the export regulations of the United States of America. The Governments of the United States of America may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce.