

# User's Guide



Disney: ELECTRONICS

# 2-WAY FRS RADIO



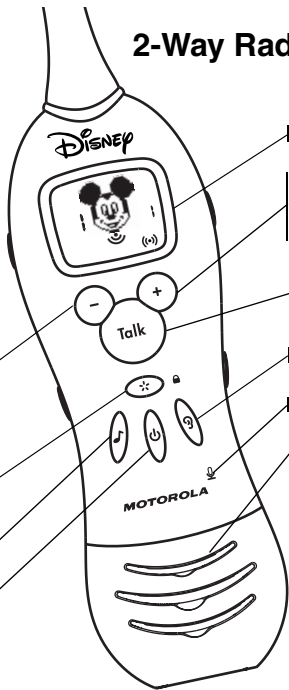
6881040B40-A







## 2-Way Radio Quick Reference



- Display
- Raise sound
- Move up through options for each radio setting
- Talk
- Save radio settings
- Monitor channel activity
- Microphone
- Speaker

- Lower sound
- Move down through options for each radio setting
- Move through different radio settings
- Lock/unlock keypad (when held down in Standby mode)
- Send call tone
- Turn radio on and off



# Changing Radio Settings

Press **\*** to move through radio settings.  
Press **-** and **+** to move through options for each radio setting.  
Press **Talk** to save radio settings.

## Call Tone

Settings: 1 through 5



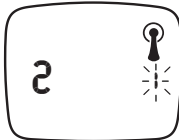
## Channel

Settings: 1 through 14



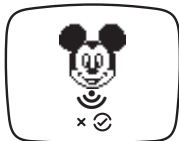
## Interference Eliminator Code

Settings: 0 through 38



## Talk Confirmation Tone

Settings:  (On),  (Off)



## Keypress Alert Tone

Settings:  (On),  (Off)



## Introduction

Disney Motorola 2-way radios operate on Family Radio Service (FRS) frequencies. This license-free, 2-way radio service is for family and group recreational use. Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited. Read this manual carefully and make sure you know how to properly operate radio before use.

For a copy of a large-print version of this guide, or for product-related questions, contact:

**1-800-353-2729 U.S.A.**

**1-800-461-4575 Canada**

**1-888-390-6456 TTY (Text Telephone)**

On the web, refer to: [www.motorola.com/talkabout](http://www.motorola.com/talkabout)

### ***Congratulations on your purchase of a Motorola 2-way radio!***

Product registration is an important step toward enjoying your new Motorola radio. Registering helps us with warranty service, and permits us to contact you should your Motorola 2-way radio require an update or other service. Registration is not required for warranty coverage. To register your product on-line, visit [www.motorola.com/warranty/radios](http://www.motorola.com/warranty/radios).

Retain your original dated sales receipt for your records. For warranty service of your Motorola 2-way radio you will need to provide a copy of your dated sales receipt to confirm warranty status.

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# **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 July 2000.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### **Transmit and Receive Procedure**

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

#### **Exposure To Radio Frequency Energy**

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:

- 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
- 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 (applicable to wireless phones only)
- 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:

## **PORTABLE RADIO OPERATION AND EME EXPOSURE**

### **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.

### **Two-way Radio Operation**

When using your radio as a traditional two-way radio, **hold the radio in a vertical position with the microphone one to two inches (2.5 to 5 cm) away from the lips.**

### **Body-worn Operation**

To maintain compliance with FCC/Health Canada RF exposure guidelines, if you wear a radio on your body when transmitting, always place the radio in a Motorola supplied or approved clip, holder, holster, case, or body harness for this product. Use of non-Motorola-approved accessories may exceed FCC/Health Canada RF exposure guidelines. If you do not use one of the Motorola-supplied or approved body-worn accessories, and are not using the radio held in the normal use position, **ensure the radio and its antenna are at least one inch (2.5 cm) away from your body when transmitting.**

To control your exposure and ensure compliance with the general population/uncontrolled environment exposure limits, always adhere to the following procedure:

- Transmit no more than 50% of the time.
- To transmit (talk), push the Talk button.
- To receive calls, release the Talk button.

Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting (in terms of measuring standards compliance).

### **Data Operation**

If applicable, when using any data feature of the radio, with or without an accessory cable, **position the radio and its antenna at least one inch (2.5 cm) away from the body.**

### **Approved Accessories**

For a list of approved Motorola accessories visit our website at [www.mot.com](http://www.mot.com).

## **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 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 the independent research by, and recommendations of, the United States Food and Drug Administration.

Persons with pacemakers should:

- ALWAYS keep the radio more than six 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 radio 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.” 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.



# Getting Started

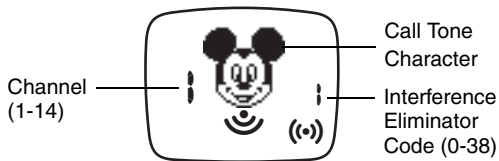
## Turning On Your Radio

### Do This

Press and hold  for 2 seconds.



### Result

The radio display shows the Standby screen.



See page 11 for descriptions of other things you might see on the screen.

## Sharing Radio Channels

Your radio has 14 channels that you share with other groups on a “take turns” basis. Other groups may be talking on the channels. Do not talk over someone who is already using the channel – your message may not be completely heard. If someone is using your channel, change to a different channel and press  to see if it is clear. If you hear static while holding down , the channel is clear to use.

## Parts of Your Radio

### Press - to:

- Lower the sound
- Move down through options when changing radio settings

### Press \* to:

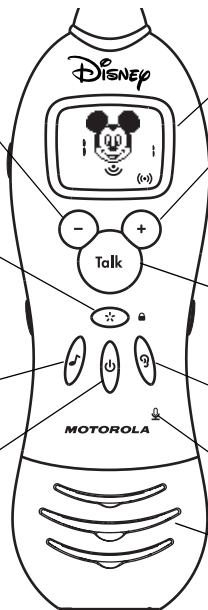
- Move through different radio settings
- Lock/unlock the keypad (when held down in Standby screen)

### Press to:

Send call tone

### Press and hold to:

- Turn radio on and off



### Display

### Press + to:

- Raise the sound
- Move up through options when changing radio settings

### Press and hold Talk to:

- Talk

### Press Talk to:

- Save a radio setting

### Press to:

- Monitor channel activity

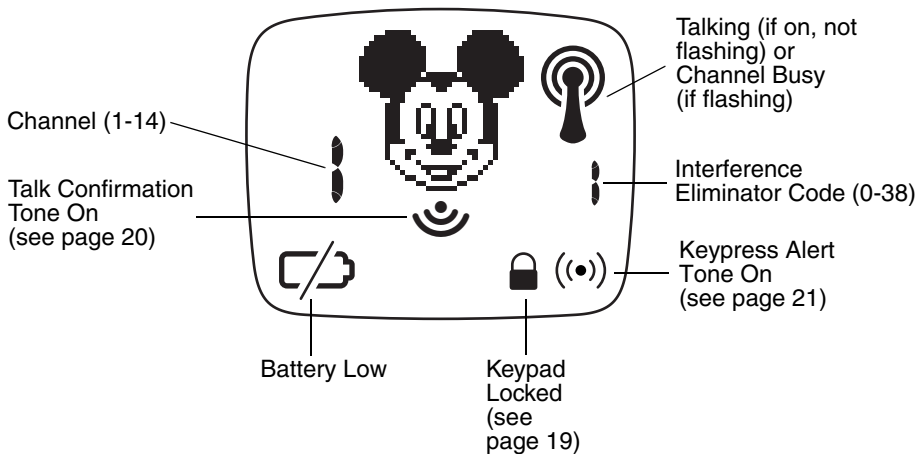
### Microphone

### Speaker



## What is on Your Display

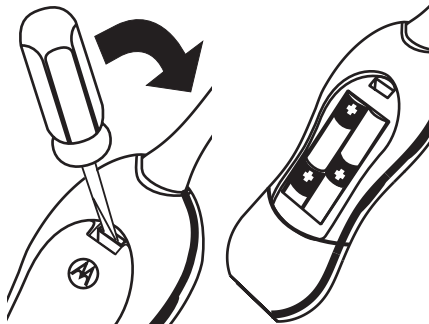
The following picture shows some of the things you might see while using your radio.




## Installing Batteries

1. With back of radio facing you, press down cover latch with a screwdriver.
2. Remove cover.
3. Insert 4 AAA Alkaline batteries as shown.
4. Put cover back on and press down.

**Note:** Do not mix old and new batteries.



### **Low Battery Alert**

When batteries are low,  appears on the display. Also, the radio beeps:

- 1 to 2 seconds after turning radio on
- Every 10 minutes in Standby mode
- After you release **Talk** button

## Talking and Listening

All radios in your group must be set to the same channel (1-14) and interference eliminator code (0-38).

- Hold radio 2 to 3 inches from mouth.
- Press and hold the **Talk** button and talk into the microphone. The 📶 indicator appears on the right side of the display while you talk.
- To listen to others, release **Talk** button.

### Talk Range

Do not use the radios closer than 5 feet apart.



#### Best Range Outdoors

Flat, open areas



#### Medium Range Outdoors


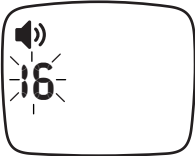
Buildings or trees  
Also near houses



#### Worst Range Outdoors


Forests or mountains  
Also inside some buildings

## Making Radio Sound Quieter or Louder

Do This	Result
1. Press <b>-</b> to make sound quieter or <b>+</b> to make sound louder.	Display shows  and current volume setting (1-16). 
2. Press <b>Talk</b> to save setting.	Display returns to Standby screen.

### Sending Call Tones

Call tones are sounds you can send to get your listener's attention before you start talking. Your radio has 5 different sounds you can send. Each sound is a different Disney character's voice. The picture on the radio display shows the selected character.


To send a call tone, press . Listeners who are using the same channel and code will hear your call tone.

## Changing Call Tones

### Do This

1. From Standby screen, press **\*** one time.

### Result

Display shows  next to the Disney character's picture.

**Note:** Character pictures and their call tones vary by radio model.



2. Press **-** or **+** to change and hear the other character sounds.

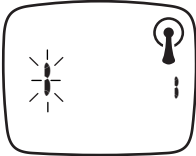
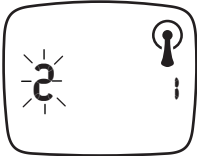


3. When the character you want is shown, press **Talk** button.

Display returns to Standby screen, showing new character.

## Changing Channels

If other groups are using the current channel:

Do This	Result
1. From Standby screen, press <b>*</b> two times.	Current channel number flashes. 
2. Press <b>-</b> or <b>+</b> to change channel.	
3. Press <b>Talk</b> to save channel.	Display returns to Standby screen, showing new channel.

## Changing Interference Eliminator Code

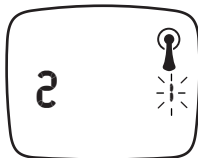
If there is too much noise on a channel, try changing the interference eliminator code to reduce the noise.

### Do This

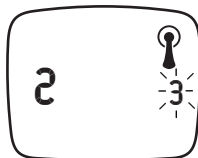
1. From Standby screen, press **\*** three times.

### Result

Current interference eliminator code flashes.



2. Press **-** or **+** to change code.



3. Press **Talk** to save code.

Display returns to Standby screen, showing new code.

You can set a different code for each channel. To set a channel and code:

1. Press **\*** two times and then press **-** or **+** to go to the channel you want.
2. Press **\*** again and then press **-** or **+** to go to the code you want.
3. Press **Talk** to save the channel and code.

To set another channel and code, do these steps again.

### **Listening to a Channel**

Pressing **9** lets you hear how loud the radio sounds when someone is not talking to you. If you need to, you can make the sound louder or quieter. It also lets you hear if someone is talking on the channel before you talk.

### **Time-Out Timer**

The time-out timer helps make your battery last longer by sounding a warning tone if **Talk** is pressed accidentally for too long. After one minute, the radio stops transmitting.



## Locking the Keypad

To keep you from accidentally changing how your radio works, you can lock the keypad. When the keypad is locked, the ✱, - , and + buttons do not work. You will not be able to change the call tone, channel, or interference eliminator code.

### Do This

1. Press and hold ✱ for 3 seconds.

### Result

A 🔒 appears on the display, telling you the keypad is locked.



2. To unlock, press and hold ✱ for 3 seconds.

The 🔒 disappears, telling you the keypad is unlocked.

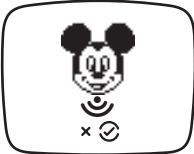
## Alerts

### Talk Confirmation Tone

When you turn on the talk confirmation tone, your radio sends a unique tone when you finish talking and release the **Talk** button. It's like saying "Roger" or "Over" and lets others know you're finished talking.

There is a different talk confirmation tone for each call tone you select. (See page 14.) When this tone is turned on, ☺ appears on the Standby screen.

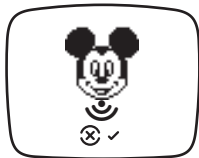
To turn the talk confirmation tone on or off:

Do This	Result
1. From Standby screen, press ✱ four times.	Display shows ☺. 

## Do This

## Result

2. Press **+** or **-** to turn the talk confirmation tone on or off. ☑ means the tone is on. ☒ means the tone is off.



3. When the setting you want is shown, press **Talk** button.

Display returns to Standby screen.

### Keypress Alert Tone

When you turn on the keypress alert tone, your radio sounds a tone whenever you press a button on the keypad. When you turn on this tone, (☎) appears on the Standby screen.

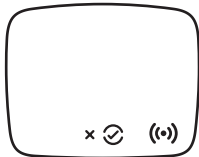
To turn the keypress alert tone on or off:

## Do This

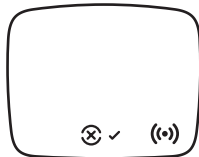
## Result

1. From Standby screen, press \* five times.

Display shows (••).



2. Press + or - to turn the alert tone on or off.  
☑ means the tone is on.  
☒ means the tone is off.



3. When the setting you want is shown, press **Talk** button.

Display returns to Standby screen.

## Fixing Problems

Problem	Try This
No Power	Make sure the batteries are put in right or change batteries.
Erratic Display	Make sure the batteries are put in right or change batteries.
Message Not Sent	Make sure <b>Talk</b> is completely pressed while you talk. Make sure the batteries are put in right or change batteries. The channel may be in use. Try another channel.
Message Not Received	Make sure radios have same channel settings and/or interference eliminator code (helps reduce noise). Make sure <b>Talk</b> is not accidentally pressed. Make sure the batteries are put in right or change batteries. Big things like trees, buildings, or mountains, and use in buildings and in cars or trucks may keep others from hearing you or talking to you. Change where you are. Check that the sound is turned up.

**Problem****Try This**

Hearing Other  
People Talking  
or Noise on a  
Channel

Channel may be in use. Try another channel.

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Radio Can't  
Reach Other  
Radios

Buildings, lots of trees, and use in buildings and in cars or trucks will keep your radio from reaching other radios. Check for clear straight line to other radio(s).

Wearing radio close to body, like in a pocket or on a belt, will decrease range. Change where you have the radio.

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Too Much Noise

Radios too close. Radios must be at least 5 feet apart; move farther apart.

Radios too far apart. Move closer to other radio.

Buildings, lots of trees, and use in buildings and in cars or trucks will keep your radio from reaching other radios. Change where you are.

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## Use and Care



To clean the radio, use a soft damp cloth.



Do not put in water.



Do not use alcohol or cleaners.

## If the radio gets wet...



Turn it off and take out batteries.



Dry with soft cloth. Wipe battery contacts with a dry, lint-free cloth.



Do not use until radio is dry.





## 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 or Canada, which are accompanied by this written warranty:

#### ***Products and Accessories***

<b>Products Covered</b>	<b>Length of Coverage</b>
<b>Products and Accessories</b> as defined above, unless otherwise provided for below.	<b>One (1) year</b> from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
<b>Decorative Accessories and Cases.</b> Decorative covers, bezels, PhoneWrap™ covers and cases.	<b>Limited lifetime warranty</b> for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
<b>Monaural Headsets.</b> Ear buds and boom headsets that transmit mono sound through a wired connection.	<b>Limited lifetime warranty</b> for the lifetime of ownership by the first consumer purchaser of the product.
<b>Consumer and Professional Two-Way Radio Accessories.</b>	<b>Ninety (90) days</b> from the date of purchase by the first consumer purchaser of the product.
<b>Products and Accessories that are Repaired or Replaced.</b>	<b>The balance of the original warranty or for ninety (90) days</b> 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.

### **Software**

Products Covered	Length of Coverage
<b>Software.</b> Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	<b>Ninety (90) days</b> 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	Phones 1-800-331-6456 Two-Way Radios 1-800-353-2729 Pagers 1-800-548-9954
Canada	All Products 1-800-461-4575
TTY	TTY 1-888-390-6456
For <b>Accessories</b> and <b>Software</b> , please call the telephone number designated above for the product with which they are used.	

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5896277 5894292 5864752 5699006 5742484 D408396 D399821 D387758  
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- **Up to 2 Mile Range\***

\*Range will vary based on terrain and conditions

- **Character Voices**

Get others' attention before you start talking

- **Animated Character Display**

- **No License Fee or Airtime Charges!**

- **14 Channels, each with 38 Codes**

- **Low Battery Alert**

Audible tone and visual display tell you your batteries are running down

- **Keypad Lock**

Prevents your settings from being accidentally changed

- **Weather-Resistant**

- **Durable, Fixed Antenna**  
Maximizes talk range

- **Batteries (not included)**  
Requires 4 AAA Alkaline batteries

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

- **User's Guide Included**

Disney 2-Way FRS Radio



Proof of Purchase

**Ages 3 and Up**

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