

APPLICANT: MOTOROLA, INC.

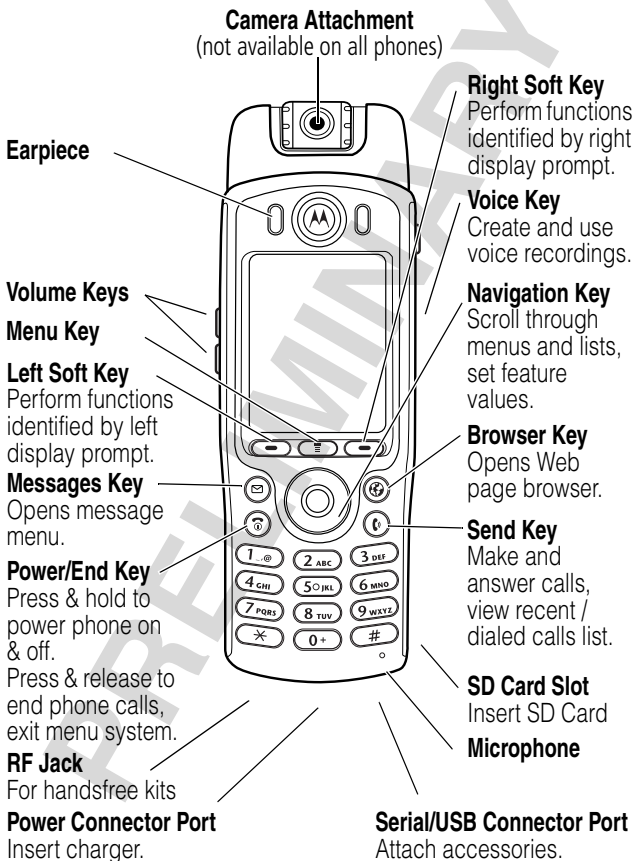
FCC ID: IHDT56CD1

INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

Welcome

This user guide introduces you to the many features in your phone.



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



















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Menu Map

Main Menu

-  **Media Center**
 -  Audio
 -  Pictures
 -  Video
-  **Games & Apps**
-  **Ring Styles**
-  **Shortcuts**
-  **Office Tools**
 -  Datebook
 -  Voice Notes
 -  Calculator
-  **Settings**
(see next page)
-  **Web Access**
 -  Browser
 -  Web Shortcuts
 -  Stored Pages
 -  History
 -  Goto URL
 -  Browser Setup
-  **Services**
 -  SIM Applications
 -  Fixed Dial
 -  Service Dial
 -  Quick Dial
-  **Extras**
 -  **Web Sessions**
 -  **Phonebook**
 -  **Messages**
 -  **Recent Calls**
 -  **Quick Menu**

Note: This is the standard phone menu layout. You or your service provider may have changed the menu layout or changed some feature names. Not all features may be available for all users.

Shortcuts
Change display zoom: Press  , then press and hold 
Lock/unlock keypad: Press  
Display my phone number: Press  
Go to dialed calls list: Press 
Exit menu system: Press 

See page 64 for more about Shortcuts

Settings



Personalize

Main Menu
Home Keys
Power Up
Greeting
Banner
Banner Graphic
Wallpaper
Screen Saver
Quick Dial



Call Forward

Voice Calls
Data Calls
Cancel All
Forward Status



Connection

IrDA Link
Active Call
Bluetooth Link
Sync
Incoming Call



Phone Status

My Tel. Number
Active Line
Battery Meter
User Account
Storage Devices
Other Information



Security

Phone Lock
Lock Keypad
Lock Application
Fixed Dialing
Call Barring
SIM PIN
Universal PIN
WIM PINs
New Passwords



Other Settings



Initial Setup

- Time and Date
- 1-Touch Dial
- Display Timeout
- Backlight
- Zoom
- Scroll
- Animation
- Language
- Battery Save
- DTMF
- Master Reset
- Master Clear



In-Call Setup

- In-Call Timer
- Call Guard
- Call Cost Setup
- My Caller ID
- Call Waiting
- Answer Options



Network

- New Network
- Network Setup
- Available Networks
- My Network List
- Service Tone
- Call Drop Tone



Car Settings

- Auto Answer
- Auto Handsfree
- Power Off Delay
- Charger Time



Headset

- Auto Answer
- Ringer Options



Java Tools

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Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.



The information provided in this document supersedes the general safety information contained in user guides published prior to July 2000. 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.

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.

RF Operational Characteristics

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits radio frequency (RF) energy. The phone operates in the frequency range of 880 to 960 MHz (GSM), 1710 to 1880 MHz (DCS), 1850 to 1990 MHz (PCS), 1920 to 2170 MHz (WCDMA), and 2402 to 2485 MHz (Bluetooth).

When you communicate with your phone, the system handling your call controls the power level at which your

phone transmits. The output power level typically may vary over a range from 0.0 watts to 2.0 watts.

Exposure To Radio Frequency Energy

Your Motorola phone 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 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 1999



To assure optimal phone 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 Phone Operation and EME Exposure

Antenna Care



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

Do NOT hold the antenna when the phone is “IN USE”. Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone. **Speak directly into the microphone.**

Body-Worn Operation

To maintain compliance with FCC/Health Canada RF exposure guidelines, if you wear a phone on your body when transmitting, always place the phone 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 phone held in the

normal use position, **ensure the phone and its antenna are at least one inch (2.5 cm) from your body when transmitting.**

Data Operation

When using any data feature of the phone, with or without an accessory cable, **position the phone and its antenna at least one inch (2.5 centimeters) from the body.**

Approved Accessories

For a list of approved Motorola accessories, visit our website at 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 phone 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 phone when on board an aircraft. Any use of a phone 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 phone 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 phone more than six inches (15 centimeters) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.
- use the ear opposite the pacemaker to minimize the potential for interference.
- turn the phone OFF immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones 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 phones in the area where you drive. Always obey them.

When using your phone 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 phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere, unless it is a phone 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 phone 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 phone that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

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

ITC01-101

European Union Directives Conformance Statement



Hereby, Motorola declares that this product is in compliance with

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

IMEI: 350034/40/394721/9

CE0168

Type: MC2-41H14

The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.motorola.com/rtte. To find your DoC, enter the product Approval Number from your product's label in the "Search" bar on the web site.

ITC01-072



Getting Started

What's in the Box?

Your digital wireless phone has a battery and typically comes equipped with a charger. Other accessory options can customize your phone for maximum performance and portability.

To purchase Motorola Original™ accessories, please contact the Motorola Customer Call Center at 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.

For more information, you can also visit:

www.motorola.com (United States)

www.motorola.ca (Canada)



About This Guide

Optional Features



Features marked with this label are optional network, SIM card, and/or subscription-dependent features. These features may not be offered by all service providers in all geographical areas. Contact your service provider for information about availability.

Optional Accessories



Features marked with this label require the use of an optional Motorola Original™ accessory.

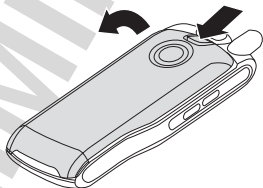
Reinstalling the Camera

Note: The camera attachment is not available on all phones.

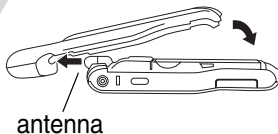
You can attach or remove a camera for your phone. For more about camera features, see “Camera and Picture Viewer” on page 89.

Do This

- 1 If necessary, push down the battery door release latch and lift the door off of the phone.

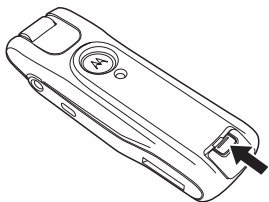


- 2 Replace the battery door with the camera accessory, inserting the phone's antenna into its hole.



Do This

- 3 Slide the camera latch closed to secure the camera in place.



Installing the SIM Card

Your SIM (Subscriber Identity Module) card contains your phone number, service details, and phonebook/message memory. Your phone can use GSM SIM cards, but not all features will be available.

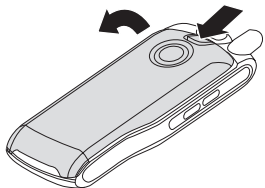


Caution: Do not bend or scratch your SIM card. Avoid exposing your SIM card to static electricity, water, or dirt.

If a camera is installed, you need to remove it to access your SIM card. See “Reinstalling the Camera” on page 17.

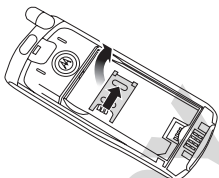
Do This

- 1 If necessary, push down the battery door release latch and lift the door off of the phone.

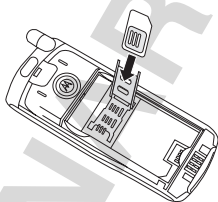


Do This

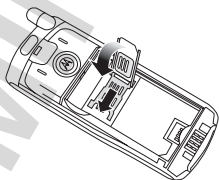
- 2 Slide the SIM card door down and lift open.



- 3 Insert the SIM card into the SIM card tray with the notch in the lower left corner and the gold plate facing down.



- 4 Close the SIM card door and slide it up to lock the SIM card in place.



Installing the Battery

You must install and charge the battery to use your phone.



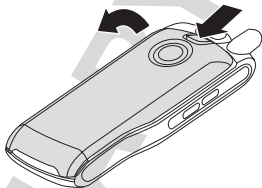
Caution: Your phone is designed to be used only with Motorola Original batteries and accessories. We recommend that you store batteries in their protective cases when not in use.

If your camera is installed, you need to remove it to access your battery. See “Reinstalling the Camera” on page 17.

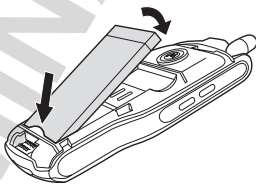
Do This

1 Remove the battery from its protective clear plastic case.

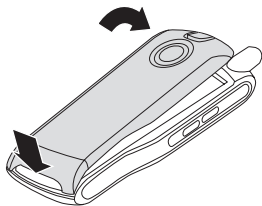
2 If necessary, push down the battery door release latch and lift the door off of the phone.



3 Insert the battery, printed arrow first, **under the tab** at the top of the battery compartment and push down.



4 Insert the ridge at the bottom of the battery door into the base of the phone, then push the door down and snap it into place.



Charging the Battery

New batteries are shipped partially charged. Before you can use your phone, you need to install and charge the

battery, as indicated by the following instructions. Some batteries perform best after several full charge/discharge cycles.

Do This

- 1 Plug the travel charger into your phone with the release tab facing up.



- 2 Plug the other end of the travel charger into the appropriate electrical outlet.
- 3 When your phone indicates that the battery is fully charged (**Charge Complete**), press the release tab and remove the travel charger.

Note: When you charge the battery, the battery level indicator in the upper right corner of the display shows how much of the charging process is complete.

Battery Use

Battery performance depends on many factors, including your wireless carrier's network configuration; signal strength; the temperature at which you operate your phone; the features and/or settings you select and use; and your voice, data, and other application usage patterns.



Battery Care

Caution: To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximize your battery's performance:

- Always use Motorola Original™ batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.
- New batteries or batteries that have been stored for long periods of time may require a longer charge time.
- Maintain the battery at or near room temperature when charging.
 - Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over extended periods of time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.



The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for

proper disposal methods. Never dispose of batteries in a fire because they may explode.

Extending Battery Life

- **Turn off your display backlight**
The backlight uses power. To turn it off, see page 32.
- **Turn off the screen saver**
Using an animated screen saver reduces your phone's talk and standby time. To turn it off, see page 63.
- **Use the display timeout**
You can tell your phone display to turn off when you are not using it. See page 65.
- **Avoid keypad-intensive functions**
Activities that require intensive keystroke use (such as playing a game or using messaging) reduce your phone's talk and standby time.
- **Avoid the Vibrate ring setting**
Your phone's **Vibrate** ring setting uses more power than a standard ring sound or the **Silent** setting.



Turning Your Phone On





Do This

To

- 1 Press and hold the power key





Do This	To
2 If necessary, press  to scroll to the User Account you want, then press SELECT ().	select the user account you want from the list of accounts (stored on the SIM card)
3 If necessary, enter your SIM card PIN code and press OK ().	unlock your SIM card Caution: If you enter an incorrect PIN code three times in a row, your SIM card is disabled and your phone displays SIM Blocked . See page 79.
4 If necessary, enter your four-digit unlock code and press OK ().	unlock your phone The unlock code is originally set to 1234. Your service provider may change this number before you receive your phone.

Adjusting Volume

Press the upper and lower volume keys to:

- increase and decrease earpiece or speakerphone volume during a call
- increase and decrease the ringer volume setting when the idle display is visible
- turn off an incoming call alert

Making and Answering Calls

This section summarizes the most basic calling features. For more features, see “Calling Features” on page 37.

Making a Call

To call a number, your phone must:

- be turned on with the phone and keypad unlocked
- have a SIM card inserted and unlocked
- have a network connection with adequate signal strength

Press	To
1 keypad keys	dial the phone number (up to 32 digits) Tip: If you make a mistake, press DELETE (⏮) to delete the last digit, or press and hold DELETE (⏮) to clear all digits.
2 (⏻) (send key)	make the call
3 (⏹) (end key)	end the call when it is done

Note: You can make an emergency call even when the phone is locked, or when a SIM card is not inserted. See “Dialing an Emergency Number” on page 38.






Answering a Call

To answer a call, your phone must:

- be turned on with the phone unlocked
- have a SIM card inserted and unlocked
- have a network connection with adequate signal strength

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.

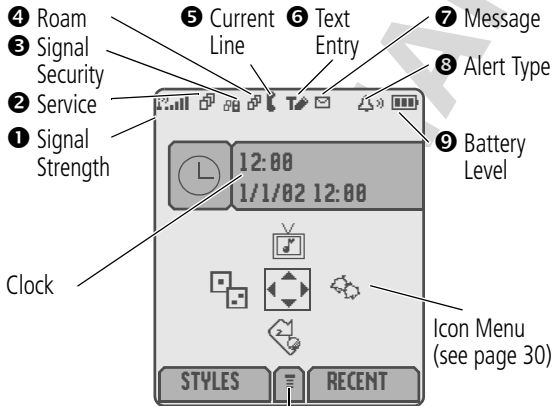
Press	To
1  or ANSWER ()	answer the call
2  (end key)	end the call when it is done




Using Your Phone

See page 1 for a diagram of your phone that describes basic phone components.

Display Symbols



When the Menu Indicator (≡) appears, you can press  to open a menu. See “Using the Menu” on page 30.

1 Signal Strength Indicator Shows the strength of your device’s connection with the network.

Strong  No signal

You cannot make or answer calls when the “no signal” indicator is displayed.





2 Service Indicator Indicates when a GPRS connection is available. Your service provider may indicate that a GPRS packet data connection is active. This type of connection may be used by your service provider to allow faster data transfer speeds.

3 Signal Security Indicator Indicates when you have a secure connection for packet data transfers, embedded application connections, or circuit switch data calls.



4 Roam Indicator Indicates when your device uses your home network (📶) or another network (📶). When you leave your home network area, your device *roams* or seeks another network.

5 Current Line Indicator Tells you when you have Voice Privacy on, a call in progress, or Call Forwarding on. This icon also tells you which line is active (if you have a call on hold), and whether you have Caps Lock, Numeric Entry, or Symbol Entry switched on (when entering text).


6 Text Entry Indicator Indicates your Text Entry Method whenever you are in a text editor (Tap, iTap, etc.). See “Entering and Editing Text” on page 33.




7 Message Indicator Indicates when you have a new voice or text message waiting.


8 Alert Type Indicator Shows the current selected alert profile. The default alert setting is a ringer.

 = loud ring

 = soft ring

 = vibrate

 = ring and vibrate

 = silent

9 Battery Level Indicator Shows the amount of charge left in your battery. The more bars visible, the greater the charge.

High



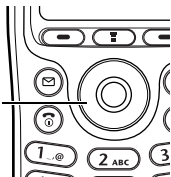
Empty

Recharge your battery as soon as possible when you see the **Low Battery** warning message and hear the low battery alert.

Note: When you charge the battery, the battery level indicator instead shows how much of the charging process is complete. See “Charging the Battery” on page 20.

Using the 4-Way Navigation Key

4-way
navigation
key



Use the 4-way navigation keys like a joystick to navigate the menu system, change feature settings, and play games.

Tip: Down and up are your primary movements within menus. Move left and right to change feature settings, navigate the datebook, and edit text.

Using the Message and Browser Keys

Your phone has special keys that give you access to important features. Your Messages key (Ⓜ) instantly opens your messages, while your Browser key (Ⓜ) opens a Web session. You can use these keys any time you are not on a call.

Using the Menu

Using the Icon Menu

When your phone is idle, it displays four easy-access icons. The following icons may appear, depending on your service provider and service subscription options.



To change this menu, see “Customizing Menus and Display” on page 63.


Press Ⓜ up to select the icon on the top, press Ⓜ left to select the icon on the left, and so on. You can also press the right or left soft keys (Ⓜ) to select the program named in the display just above the key.

Navigating Through the Menu

This guide shows you how to navigate to a specific menu feature as follows:

Find the Feature

 > Media Center
> Pictures

The > symbol means that you should scroll to and select the feature. This example shows that you must press , scroll to and select **Media Center**, then scroll to and select **Pictures** to view a picture stored on your phone.

Setting Up Your Phone

You can adjust a wide variety of phone settings to suit your needs.

Setting the Time and Date

Find the Feature

 > Settings
> Other Settings
> Initial Setup
> Time and Date

Choosing Alert and Ring Tones

Your phone rings or vibrates to notify you of an incoming call, message, or other event. This ring or vibration is called an *alert*. The alert setting indicator in your display shows the current alert profile (see illustration on page 27).



Select an Alert Profile

Find the Feature

- > Ring Styles > Alert
- > the profile you want

Customize an Alert Profile

Tip: This feature lets you set the profile's ringer volume and keypad volume.

Find the Feature

- > Ring Styles
- > Alert Detail
- > the event
- > the alert you want


Setting Your Backlight

You can set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power:

Find the Feature

- > Settings
- > Other Settings
- > Initial Setup > Backlight

Setting Display Animation

 You can turn animation off (to conserve the battery) or on. Animation makes your phone's menus move smoothly as you scroll up and down.


Find the Feature

- > Settings
- > Other Settings
- > Initial Setup
- > Animation

Entering and Editing Text

Various text entry methods make it easy for you to enter names, numbers, and text messages on your phone.

Choosing a Text Mode

To activate a text mode, press  from any text entry screen and select the text mode from the **Entry Method** menu:


- | | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| iTAP | Let the phone predict each word as you enter it, then choose the word from a list. |
| Tap | Enter characters one at a time by pressing the key for the letter, number, or symbol. This is the standard mode for entering text on your phone. |
| Numeric | Enter only the number that appears on each key. |
| Symbol | Enter symbols only. |
| Browse | Browse through your phonebook and recent calls lists to select a name or number to enter. |

Note: The text mode you select remains active until you change it by selecting another mode.

General Text Entry Rules











Use the keypad to enter letters, numbers, symbols, and other characters with the tap method. Press the same key repeatedly to cycle through available characters. (See the “Character Chart” on page 34.)



- If you do not press a key for two seconds, the character in the block cursor is accepted, and the cursor moves to the next position.
- The first character of each sentence is capitalized unless you manually change it. (Press  down to force the character to lowercase while it is highlighted by the block cursor.)

Character Chart


Use this chart as a guide for entering spaces, numbers, letters, symbols, and other characters with the tap method.

	space . 1 ? ! , @ _ & ~ : ; " - () ' ÿ ¡ % £ \$ ¥ ¤ €
	a b c 2 ä å á à â ã α β ç
	d e f 3 ð ë é è ê φ
	g h i 4 ï í î γ
	j k l 5 λ
	m n o 6 ñ ö ø ó ò ô õ ω
	p q r s 7 π β σ
	t u v 8 θ ü ú ù û
	w x y z 9 ξ ψ
	+ - 0 x * / \ [] = > < # §


Your phone model may not include all of the characters shown in the above chart.

Copying, Cutting, and Pasting Text

You can copy, cut, and paste characters in the text and number editors.

In an editor, press  to see the following options:

Option	Description
Copy Text	tells your phone to copy the text you are about to highlight (see “Highlighting Text” below)
Copy All Text	copies all text in the editor
Cut Text	tells your phone to cut the text you are about to highlight (see “Highlighting Text” below)
Cut All Text	cuts all text in the editor
Paste	pastes the text you cut or copied
Undo	undoes the last copy, cut, or paste action in the current text editor



Note: The **Copy All Text** option also appears in the menu (press ) when you are viewing details for a Phonebook entry, Datebook event, Browser page, Text Message, or Recent Calls entry.

Highlighting Text

In a text editor, to highlight and copy or cut text:




Find the Feature

 > Copy Text or
Cut Text

Press	To
1 	scroll to the beginning of the text you want to copy or cut
2 START ()	turn on the highlighting marker





Press	To
3 	scroll to the end of the text you want to copy or cut
4 COPY () or CUT ()	copy or cut the text, as you selected You can now paste the text in another text editor.




Text remains on your clipboard, available to paste, until you copy or cut other text or until you turn off your phone.

Calling Features

This chapter describes features related to making and answering calls. For information about other call-related features, see “Viewing Recent Calls” on page 40 and “Data Calls” on page 72. For basic instructions on how to make and answer calls, see pages 25–26.

Redialing a Number

You can redial a previously dialed phone number, whether the call was connected or busy. From the idle display:

Press	To
1 	go directly to the dialed calls list
2 	scroll to the entry you want to call
3 	redial the highlighted number


Using Caller ID



The *calling line identification* (caller ID) feature lets you see who is calling before you answer. If the caller's name is stored in your phonebook, the phone automatically displays the **Name**.

- If caller ID information is not available, your phone displays the message **Incoming Call**.




- While dialing (with digits visible in the display), Press  > **Hide ID/Show ID** to Hide (or show) your caller ID for the next call

Dialing an Emergency Number

Your service provider may program one or more emergency phone numbers, such as 911, that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted. Your service provider can program additional emergency numbers into your SIM card. *However, your SIM card must be inserted in your phone in order to use the numbers stored on it. See your service provider for additional information on this issue.*

Note: Emergency numbers vary by country. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.


To call the emergency number at any time:

Press	To
1 keypad keys	dial the emergency number (such as 112)
2 	call the emergency number



Inserting Special Characters into Dialing Sequences

While dialing (with digits visible in the display):


Do This	To
<p>Press  and then scroll to and select one of the following:</p> <ul style="list-style-type: none">• Insert Pause (to insert a p)• Insert Wait (to insert a w)• Insert 'n' (to insert an n)	<p>insert a special character when making a call that requires you to enter additional digits (for example, to make a calling card call, or to retrieve messages from an answering machine):</p> <ul style="list-style-type: none">• Pause tells your phone to wait until the call connects before it automatically dials the next digit(s) in a series.• Wait tells your phone to wait until the call connects, and then to prompt you for confirmation before it dials the next digit(s).• 'n' tells your phone to prompt you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the n character.




Viewing Recent Calls

You can view and call numbers from calls you recently dialed or received:

Find the Feature

-  > Recent Calls
- > Received Calls or Dialed Calls
- > *entry to see*

Press  to dial the entry displayed.

Using Voicemail



You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network—not on your phone. Contact your service provider for more details.

Storing Your Voicemail Number


Store your voicemail number in your phone to make it faster and easier to use voicemail. Your voicemail number is provided by your service provider.

Find the Feature

-  > Messages
-  > VoiceMail Setup

Press

1 keypad keys


2 OK ()


To

enter the phone number for your voicemail

store the number

Receiving a New Voicemail Message

When you receive a voicemail message, your phone displays **New VoiceMail** .

Do This	To
Press CALL ()	call your voicemail phone number and listen to the message

Listening to a Voicemail Message

To listen to your voicemail messages at any time:

Find the Feature  > **Messages** > **VoiceMail**

Voice Dialing



To voice dial a phone number or Email address stored in your phonebook:

Do This	To Call
Press and release the voice key, then say a voice name	a phonebook entry using voice dial To record a voice name, see page 56.



Speed Dialing


When you store an entry in your phonebook, it is assigned a unique speed dial number. You can then use the speed dial feature to call the entry.

Press	To
1 keypad keys	enter the one-, two-, or three-digit speed dial number for the entry you want to dial
2 	submit the number
3 	call the entry

1-Touch Dialing

You can call phonebook entries 1 through 9 with the push of a single key. Press and hold the one-digit speed dial number for one second. You must Assign the 1-touch dial feature to numbers 1 through 9 in your phone memory phonebook or SIM card phonebook:

Find the Feature

-  > Settings
- > Other Settings
- > Initial Setup
- > 1-Touch Dial


Using Call Waiting

If you subscribe to call waiting, an alert tone sounds while you are on a call to indicate that you have received a second call.




To activate or deactivate call waiting:

Find the Feature

-  > Settings
- > Other Settings
- > In-Call Setup
- > Call Waiting

To put the first call on hold and answer the second call:

Press	To
1 	answer the new call

Forwarding a Call



Call forwarding sends your phone's incoming voice, and/or data calls directly to another phone number.

Find the Feature

-  > Settings > Call Forward

The call forwarding options for voice or data calls are:

Option	Description
All Calls	forwards all calls
If Unavailable	forwards calls if your phone is unavailable
Detailed	uses different forwarding numbers if you are out of range, unable to answer, or busy (<i>voice calls only</i>)
Off	does not forward calls




Transferring a Call

You can directly transfer a call without talking to the person who answers.

Find the Feature

 > **Transfer**

Press	To
1 keypad keys	enter the phone number where you are transferring the call
2 	dial the phone number Your phone displays the message Transfer: Complete when the call is transferred. You can hang up the phone when you see this message.



Barring a Call






Call barring lets you restrict outgoing or incoming calls. You can restrict all calls, calls to international numbers, or calls while roaming.

Find the Feature




 > **Settings** > **Security**
> **Call Barring**

Press	To
1 	scroll to Outgoing or Incoming calls
2 CHANGE ()	select barring for Outgoing or Incoming calls

Press	To
3 	scroll to a restriction for the barred calls
4 SELECT ()	select the restriction for the barred calls
5 keypad keys	enter your call barring password
6 OK ()	submit your password

Putting a Call on Hold


While you are on a call:

Do This	To
Press HOLD () (if available)	put a call on hold
or	Your phone displays a  (flashing phone) indicator to indicate that the call is on hold.
Press  > Hold	

Making a Conference Call



To talk to more than one person on a call, you can make a conference call. Call the first person, call the second person, then link the two calls.

Press	To
1 keypad keys	dial the first person's number
2 	call the number



Press	To
3 HOLD (⏸) (if available) or ⏸ > Hold	put the first call on hold Your phone displays a 📞 (flashing phone) indicator next to the call on hold.
4 keypad keys	dial the next person's number
5 📞	call the number Your phone displays a 📞 (active call) indicator next to the new active call.
6 LINK (⏸)	connect the two calls
7 📞	end the entire call

Tip: Repeat steps 3-6 to add additional parties to the conference call.

Using Other Features During a Call

During a call, you can easily switch to other phone features or make a new Data, Browser, or Voice Call connection:

Press	To
SWAP (⏸)	open a list of options

The list of options includes phone applications, such as **Phonebook** and **Datebook**. It also includes any other active connections you have, such as **Active Data Call**,

Active Voice Call, or **Active Browser**. To start a new voice call, select **New Call** (this puts any current voice call on hold).

Changing Your Active Call Settings

You can view and change the number of call and data/browser connections that your phone allows at one time:

Find the Feature

 > **Settings** > **Connection**
> **Active Calls**

The Active Calls list includes

Option	Description
No. of Calls	the number of active connections your phone allows, which you can increase to the number in the Subscription setting.
Subscription	the maximum number of active connections you subscribed to
Network	the maximum number of active connections your network supports



Messages and Email



Text messages are brief messages that you can send and receive (such as **where are we meeting?**). Received messages appear on your phone display or in your text message inbox.

You must set up the inbox *before* you can send and receive these messages. Contact your service provider for details.


Note: Your service provider may have already programmed the text message inbox settings for you.

Creating and Sending Messages

You can create and send a message to one or more recipients. The message feature lets you manually enter each recipient's phone number, or select one or more numbers from the phonebook or recent calls lists. You can also send a message to a Mailing List containing multiple addresses (see "Storing a Phonebook Entry" on page 54 to create a Mailing List).

There are four different types of messages: **Short Message**, **Email**, **Letter**, and **Postcard**. For a description of the items in each message type, see "Message Contents" on page 50.

Note: When you manually enter multiple phone numbers in the **To** field, you must insert a space between each








number. Press and hold  to insert a space as needed.

Find the Feature

 > Messages

 > Create Message




Press	To
1 	scroll to New Short Message, New Email, New Letter, or New Postcard
2 SELECT ()	select the type of message you want to send
3 keypad keys	complete the message contents (see the table after this procedure)
4 DONE ()	finish the message Your phone displays Send Message Now?
5 YES ()	send the message Note: Your phone sends Email messages the next time it checks your account, or when you select  > Messages  > Send/Receive Mail
or NO ()	cancel the message or save it as a Draft

Message Contents



Item	Description
To (all message types)	one or more phone numbers or email addresses where you want to send the message You can press BROWSE (☰) to select one or more phone numbers or email addresses from the phonebook or recent calls lists
CC (Letter and Postcard only)	phone numbers or email addresses where you want to send a carbon copy of the message
BCC (Letter and Postcard only)	phone numbers or email addresses where you want to send a blind carbon copy of the message (nobody can see their address, and they cannot see the other addresses)



Item	Description
Msg (all message types)	the text message you enter (see “Entering and Editing Text” on page 33) or Postcard you select To insert a picture or other object in Text, Email or Letter messages, press:  > Insert > <i>object type</i> > <i>object</i>
Subject (Letter and Postcard only)	the subject line of the message
Priority (not for Short Messages)	the message priority
Receipt (Letter and Postcard only)	select a type of receipt you want to receive after you send the message



Viewing Message Status

Text messages that you send are stored in the outbox. To view the contents of your outbox:

Find the Feature

 > **Messages** > **Outbox**

Messages are sorted from newest to oldest. The following icons indicate message status:

- » sending in progress
-  delivered
-  sending failed


Note: Some status indicators are not supported by Email messages.




Receiving and Reading Messages

Note: Your phone checks for new Email messages periodically, or whenever you select

 > Messages  > Send/Receive Mail

When you receive a new message, your phone displays **New Message**  and gives an alert. When your inbox is full, you must delete old messages before you can open new ones.

From the new message notification:

Press	To
READ ()	open the message (or your text message inbox if there are multiple messages)

Note: If you receive a message with a file attached, you can save phone memory by storing the file on an SD/MMC card. See “Using an SD or MMC Card” on page 75.




Phonebook

You can store a list of names and phone numbers or email addresses in your phone's electronic phonebook. You can view these entries and call them directly from your phone.



For email addresses, you can send a text message directly from your phone.

To see the list of names stored in your phonebook, press  > **Phonebook** from the idle display. To show the entries in a category, see "View Category Entries" on page 61.

Scroll to a name and press **VIEW** () to view details of the phonebook entry as shown in the following display.



Items in a Phonebook Entry

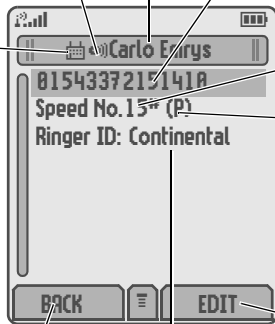
Voice Name indicator indicates a recorded voice name

Entry's **Name**

Entry's **phone number, email address, or mailing list**

Type indicator identifies number type:

-  Work
-  Home
-  Main
-  Mobile
-  Pager
-  Email



Entry's speed dial number

(P) indicates entry stored in phone memory, **(S)** indicates SIM memory

Edit entry

Return to list


Press  to open the **Phonebook Menu**

Entry's ringer ID setting

Storing a Phonebook Entry

Find the Feature

 > **Phonebook**

 > **New**

Press




To

1 

scroll to **Phone Number, Email Address, or Mailing List**


2 **SELECT** ()

select the type of entry

Press	To
3 	scroll to the item you want to enter (see the table that follows this procedure).
4 CHANGE ()	select the item and add, select, or change information
5 DONE () when you are done	store the entry and return to the phonebook list

Phonebook item	Description
Name	enter a name for the phonebook entry (see “Entering and Editing Text” on page 33)
Category	scroll to the category that classifies the entry
No., Email, or Members	enter the phone number or email address, or select phonebook entries to add as members of the mailing list
Type	scroll to the type of phone number (only for phone numbers not stored on the SIM)
Voice Name	record a voice name for the entry. See “Recording a Voice Name For a Phonebook Entry” on page 56.
Speed No.	change the number you use to <i>speed dial</i> the entry








Phonebook item	Description
Ringer ID 	change the ring tone for calls from this entry
More	create another entry with the same Name


Recording a Voice Name For a Phonebook Entry

Tip: Make your voice recording in a quiet location. Hold the phone about four inches (10 centimeters) from your mouth, and speak directly into the phone's microphone in a normal tone of voice.

Find the Feature

 > Phonebook

Do This	To
1 Press 	scroll to the entry that needs a voice name
2 Press VIEW ()	display the entry's detailed view
3 Press EDIT ()	edit the phonebook entry
4 Press 	scroll to Voice Name
5 Press RECORD ()	begin the recording process
	The phone displays Press RECORD Key then say name.

Do This	To
6 Press and release RECORD () and say the entry's name (in two seconds)	record the voice name The phone displays Press RECORD Key then REPEAT name.
7 Press the voice key and repeat the name	confirm the voice name The phone displays Trained: Voice Name.





Dialing a Phonebook Entry

You can use the phonebook list, voice dial, speed dial, or 1-touch dial to call a number stored in your phonebook. To use speed dial, see “Speed Dialing” on page 42. To use 1-touch dial, see “1-Touch Dialing” on page 42.

Phonebook List

To call a number in the phonebook list:


Find the Feature  > Phonebook

Press	To
1 	scroll to the entry you want to call
2 	make the call

Editing a Phonebook Entry




You can edit a phonebook entry stored on your phone or the SIM card.

Notes:

- If you change an entry's speed dial number, the entry is moved to the new speed dial location and the original entry is deleted. Entries with a speed dial number from 1 to 500 are stored on the phone. Entries with a speed dial number of 501 or higher are stored on the SIM card.
- You can also use the following procedure to edit a fixed dial entry by selecting  > **Services** > **Fixed Dial**.

Find the Feature

 > **Phonebook**

Press	To
1 	scroll to the entry you want to edit
2 VIEW ()	display the entry's detailed view
3 EDIT ()	edit the phonebook entry






Edit a phonebook entry or fixed dial entry by following the procedures described in “Storing a Phonebook Entry” on page 54.

Deleting a Phonebook Entry

To delete a phonebook entry:

Find the Feature

 > **Phonebook**

Press	To
1 	scroll to the entry you want to delete
2 	open the Phonebook Menu
3 	scroll to Delete
4 SELECT ()	select Delete
5 YES ()	confirm the deletion

Using Phonebook Categories

Phonebook categories let you use special ring tones and backlight colors for phonebook entries you classify as “Business,” “Personal,” “General,” or other categories.








Create or Edit a Category

Find the Feature

 > Phonebook

 > Categories

Press	To
1 	scroll to a category to edit (select any category if you are creating a new one)
2 	open the Categories menu
3 	scroll to New or Edit
4 SELECT ()	select New or Edit
5 CHANGE ()	select the category Name



Press	To
6 keypad keys	enter the category name (see “Entering and Editing Text” on page 33)
7 OK (⏪)	store the category name
8 CHANGE (⏪)	open the member list
9 ⓪	scroll to a phonebook entry you want to add or remove
	Note: You cannot add entries stored on a SIM card.
10 ADD (⏪) or REMOVE (⏪)	add an unchecked entry remove a checked entry
11 DONE (⏪)	close the member list
12 CHANGE (⏪)	select the category Ringer ID
13 ⓪	scroll to the ringer ID to use for calls from category entries
14 SELECT (⏪)	select the ringer ID
15 CHANGE (⏪)	select the category Backlight
16 ⓪	scroll to the backlight color for calls from category entries
17 SELECT (⏪)	select the backlight
18 DONE (⏪)	store the category and return to the phonebook list












View Category Entries

You can select a category to show only its entries:

- Find the Feature**  > Phonebook
  > Categories
 > the category
 you want to see

Copy Multiple Entries

- Find the Feature**  > Phonebook

Press	To
1 	open the Phonebook Menu
2 	scroll to Copy Entries
3 SELECT ()	select Copy Entries
4 	scroll to From (start)
5 CHANGE ()	select From (start)
6 keypad keys	enter the low speed dial number for the range of entries you want to copy
7 OK ()	store the number
8 	scroll to From (end)
9 CHANGE ()	select From (end)
10 keypad keys	enter the high speed dial number for the range of entries you want to copy
11 OK ()	store the number
12 	scroll to To (start)
13 CHANGE ()	select To (start)





Press	To
14 keypad keys	enter the low speed dial number for the entries' new location Note: Enter a speed dial number between 1-500 to copy entries to the phone. Enter a speed dial number of 501 or higher to copy entries to the SIM card.
15 OK (⏏)	store the number
16 DONE (⏏)	copy the entries

Customizing Your Phone Settings




You can adjust a wide variety of phone settings.

Customizing Menus and Display

Find the Feature

 > Settings > Personalize









You can change settings for these features:

Setting	Description
Main Menu	choose the Icon or List view, and reorder your options Note: The first nine items appear on the main menu. The rest appear under  > Extras.
Keys	change the features linked to your soft keys () and ) when your phone is idle
Wallpaper	select your display's background image and layout
Screen Saver	select an image to appear when your phone is idle, and the amount of delay
Power Up	choose an image to appear when you turn on your phone






Using Shortcuts

The following shortcuts are pre-programmed in your phone. You cannot edit or delete them.


Do This	To
Press  , then press and hold  (within two seconds)	zoom in/out your phone's display view
Press  	lock/unlock your keypad
Press  	display your phone number
Press 	go to the dialed calls list (See "Viewing Recent Calls" on page 40.)
Press 	exit the menu system, return to the idle display

You can add shortcuts for many menu features and applications. Shortcuts takes you directly to the menu item, or perform the menu action (if applicable).

Do This	To
1 Press 	enter the menu system
2 Scroll to the item you want to add to Shortcuts	highlight the menu item

Do This	To
3 Press and hold 	open the shortcut editor The phone displays: Assign Shortcut for: <i>Item</i>? where <i>Item</i> is the name of the item you selected.
4 Press YES ()	view your options

You can use shortcuts from the idle display, while on a call, or while scrolling through a menu.

Press	To
1 	open the menu
2 the shortcut key number	go to the menu item, or perform the menu action

Setting Your Display Timeout

This is a power-saving feature that turns off your phone's display when it is inactive for a selected idle time. Your display reactivates if you press a key or receive a call.

Find the Feature

-  > Settings
- > Other Settings
- > Initial Setup
- > Display Timeout
- > *selected idle time*



Getting More Out of Your Phone

Using Hands Free Features



Your phone includes an integrated two-way speakerphone for all hands free applications. You can also purchase an optional Motorola Original™ Easy-Install or Pro-Install Hands Free Kit for your car, or an optional Motorola Original phone headset. These accessories provide alternative ways for you to use your phone without using your hands.

Dialing Options



Fixed Dialing

When you activate the fixed dial feature, users can only call the numbers in the fixed dial list.

Find the Feature

 > Settings > Security
> Fixed Dialing

Fixed dial list entries can be any length. If there is a fixed dial entry for the digits 555, users can call any number that starts with 555. You must enter your SIM PIN2 code to edit fixed dial entries.

Find the Feature

 > Services > Fixed Dial

In the fixed dial list, you can create, edit, delete, and sort entries just like in the phonebook list. Fixed dial list entries are stored on your SIM card and do not have **Type** or **Voice Name** fields.

Monitoring Phone Use

Your phone tracks and records call times. Use the recent calls menu to view and reset a call timer.

Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing Ⓣ. This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your service provider. For billing information, please contact your service provider directly.

You can view the approximate network connection time elapsed during the following calls:

Timer	Description
Last Call	Time spent on the last call dialed or received. You cannot reset this timer.
Dialed Calls	Total time spent on dialed calls since the last time you reset this timer.
Received Calls	Total time spent on calls received since the last time you reset this timer.



Timer	Description
All Calls	Total time spent on dialed and received calls since the last time you reset this timer.
Lifetime	Total time spent on all calls on this phone. You cannot reset this timer.

To view a call timer:

Find the Feature

-  > Recent Calls
- > Call Times
- > *the timer you want*

To reset a call timer, press **RESET** () while viewing it.

Network Features

Network Selection

You can view and adjust your phone's network settings:

Find the Feature

-  > Settings
- > Other Settings
- > Network

Your service provider registers your phone to a network. You can view information about the current network, change how your phone searches for a network, specify your preferred networks, and activate alerts that indicate when a call is dropped or network registration changes.

Connecting Your Phone to an External Device

You can connect your phone to a computer or hand-held device using a Bluetooth™ wireless connection, an infrared wireless link, a serial cable, or a USB cable.

Note: Not all devices are compatible with Bluetooth, infrared, serial cable, or USB cable connections. Check your external device for specifications.

Setting Up a Cable Connection

Attach a serial cable or Motorola Original USB cable to the phone and external device as follows.

Note: Check your computer or hand-held device to determine the type of cable you need.

Attaching a Serial Cable

Use the interchangeable head on the Motorola Multi-Connect Serial Cable to connect a computer, Palm III device, or Palm V device to your phone.

Do This

- 1 Plug the serial cable into the detachable head. Make sure that the Motorola logo on the detachable head and the metal shielding on the serial cable plug are both facing you.
- 2 With the Motorola logo and the phone both facing you, plug the detachable head into your phone's accessory connector port.



Do This

- 3 Plug the other end of the cable into the serial interface connection on the external device and tighten the screws.
-
-

Note: To save phone power when using a serial cable, plug a charger into the charger slot on the cable head.

Attaching a USB Cable**Do This**

- 1 Plug the end of the cable with the Motorola logo into your phone's accessory connector port. Make sure that the logo and the phone are both facing you.
 - 2 Plug the other end—the USB connection—into the USB port on the external device.
-
-

Setting Up an Infrared Connection

Establish an infrared wireless data connection with an external device as follows.


Notes:


- This phone is classified as a Class 1 LED product and is considered safe under reasonable use.
- Your phone must be within one foot (30 centimeters) of the other device. Nothing can block the line of sight between the two devices.
- You cannot set up an infrared connection when a serial cable is attached to your phone.





Find the Feature

 > Settings > Connection
> IrDA Link

Press	To
START ()	activate the infrared link

If the phone does not find an infrared-capable device, it changes the right soft key () from STOP to START.

Press	To
START ()	try another connection

To break the infrared data connection, press STOP ()

You can also move the device away from the phone, turn off the device, or turn off the phone. If your phone moves away from a connected device while it is still on, it will try to re-connect for 30 seconds after the connection breaks.

Setting Up a Bluetooth Connection

Before connecting your phone to another Bluetooth device, set up the other device as described in its user guide.

For a PC, set up the Bluetooth accessory card, card drivers, and application software. If you want to use Dial-up Networking Services, configure them for the Bluetooth modem as described in the software and modem user guides.



Connecting a Computer for a Data Call

Prepare your computer to set up the Bluetooth connection, then make your phone available for the connection:

Find the Feature

 > Settings > Connection
> Bluetooth Link > Setup
> Find Me

You have 60 seconds to start the connection from your computer while your phone is available.

Turning Bluetooth On or Off

You can turn your phone's Bluetooth feature on or off:

Find the Feature

 > Settings > Connection
> Bluetooth Link > Setup
> Power > On or Off

Data Calls



A Motorola Original™ data kit with a cable or a Bluetooth™ wireless connection lets you transfer data between your phone and a computer or other external device. You can:

- use your phone as a modem to connect to the Internet.
- use your phone to make and answer data calls on your computer or hand-held device.

Using Sync

This feature lets you quickly synchronize your events and Phonebook entries with a local computer, or with an Internet server using a wireless connection.

Creating an Internet Sync Partner

To enter a computer as a Sync partner for your phone:

Find the Feature

 > Settings > Connection
> Sync > New

Your phone opens a **Partner Details** list:


Detail	Description
Partner Name	A common name you assign to the computer (such as "Work server")
Server URL	The URL for the server (you can omit "http://")
User Name	Your user name for logging into the server
Password	Your password for logging into the server
(data) Path	The name of the folder, beneath the URL path, where your data is stored



Using an Internet Sync Partner

To start synchronizing with a Sync partner:

Find the Feature

 > Settings > Connection
> Sync > partner name

Your phone attempts a Sync connection with the URL, user name, and password you entered for the partner. This might take several minutes, if there are many entries to synchronize.

Using a Local Sync Partner

To use Sync with a local partner such as a connected desktop computer, you must install Starfish TrueSync[®] software, a Motorola accessory product. See the TrueSync user guide for more information.

Note: TrueSync software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

Start the Sync action on the connected computer. To connect a computer, see “Connecting Your Phone to an External Device” on page 69.



Using an SD or MMC Card

You can purchase Secure Digital or Multimedia Cards to store or load large files such as videos, pictures, or sound.



To Insert a Card

- 1 Insert the card in the slot in the side of your phone (see the diagram on page 1). Insert the narrow side with the cut corner first, with the exposed pins facing the back of the phone. Insert the card until it clicks in place.
- 2 Your phone should display the card contents or (if new) ask you to format it. If it does not, select > **Settings** > **Phone Status** > *card name*

To store an item on your card, open it and press **STORE** (), if available, or press > **Store**. You can store the file only, or make it a setting on your phone (such as ring tone or wallpaper).

To remove a card, push it in to trigger the release spring that ejects the card. The phone should push the card out enough that you can grab it and pull it the rest of the way out of the phone.



Security

Line Security

If your phone displays **Line Not Secure** while you are on a call, your phone has detected another device monitoring the call. This message does not appear when caller ID, call cost, or other information fills the display.

Locking and Unlocking Your Phone

A locked phone still rings or vibrates for incoming calls or messages, *but you must unlock it to answer.*

Lock Your Phone Manually

Find the Feature



> Settings > Security
> Phone Lock > Lock Now

Set Your Phone to Lock Automatically

You can set your phone to lock every time you turn it off:

Find the Feature



> Settings > Security
> Phone Lock
> Automatic Lock > On



Changing Your Unlock Code






Your phone's four-digit unlock code is originally set to 1234, and the six-digit security code is originally set to

000000. Your service provider may reset these numbers before you receive your phone.

If your service provider has *not* reset these numbers, we recommend that you change them to prevent other users from accessing your personal information or modifying your phone settings. The unlock code must contain four digits, and the security code must contain six digits. Be sure to make a note of the new numbers.

Find the Feature

 > Settings > Security
> New Passwords



Press	To
1 	scroll to the code or password you want to change
2 CHANGE ()	select the code or password
3 keypad keys	enter your old code If you do not know your code, see “If You Forget Your Unlock Code” on page 78.
4 OK ()	submit your old code
5 keypad keys	enter the new code
6 OK ()	assign the new code
7 keypad keys	re-enter the new code
8 OK ()	confirm the new code



If You Forget Your Unlock Code



If you forget your security code (originally set to 000000), SIM PIN, SIM PIN2, or call barring password, contact your service provider.

If you forget your unlock code, try entering 1234 or the last four digits of your phone number. If that does not work, do the following when you see the **Enter Unlock Code** message:

Press	To
1 	go to the unlock code bypass screen
2 keypad keys	enter your security code
3 OK ()	submit your security code

Locking and Unlocking the Keypad

This feature is useful in situations where an accidental keypress might inadvertently dial an emergency number or one-touch dial number (for example, when carrying your phone in a purse or pocket).

Press	To
 	lock or unlock your keypad



Note: Incoming calls and messages unlock the keypad.

Protecting the SIM Card

When the SIM PIN feature is activated, you must enter your SIM card PIN code each time you turn on the phone or insert a SIM card. Contact your service provider for your SIM card PIN code.

Find the Feature

 > Settings > Security
> SIM PIN

Unblock the SIM Card PIN Code

If you enter an incorrect SIM card PIN code three times in a row, your SIM card is disabled and your phone displays the message **SIM Blocked**. You need to enter a PIN unblocking key (PUK) code, which you can obtain from your service provider.



Personal Organizer

Features



Datebook

The datebook is a calendar that lets you schedule and organize events such as appointments and meetings. You can review your schedule of events for the week or by the day, and have your phone play a reminder alarm for specific events.



Note: You must set the correct time and date in order to use the datebook (see “Setting the Time and Date” on page 31).

Storing a New Event

A title is required for a datebook event. All other information is optional.

Find the Feature

-  > Office Tools
- > Datebook > day
-  > New > Event

Press	To
1 CHANGE ()	select Title
2 keypad keys	enter a title for the event (see “Entering and Editing Text” on page 33)
3 OK ()	store the event title



Press	To
4	scroll to other fields and enter information as necessary Other fields let you enter start time, duration, date, repeating events, and reminder alarm.
5 DONE ()	store the new event and return to the day view

Changing Event Information

To change information about an existing event:

Find the Feature

> **Office Tools**
> **Datebook** > *day*
> *event*

Press	To
1 EDIT ()	edit the event
2	scroll to the detail you want to change
3 CHANGE ()	edit the information
4 keypad keys	enter the new information
5 DONE ()	store the information and return to the day view

Alarm Reminders





Reminders are alerts that ring or vibrate to notify you about a voicemail or text message you have received, or a datebook event you have scheduled.

To set or turn off reminders:

Find the Feature

 > Ring Styles
> Alert Detail
> Reminders

Press	To
1 	scroll to the reminder alert you want: Beep , Vibrate , or Off Beep or Vibrate sets the corresponding reminder alert type. Off turns off all reminders.
2 SELECT ()	select the reminder alert

Voice Notes

You can use the voice note feature to record personal messages and phone calls on your phone.

U.S. patent Re. 34,976

Record a Voice Note

Use this procedure to record a voice note from the idle display, or to record a phone call in progress. Your phone plays an alert tone to notify the other party that the call is being recorded.

Note: Recording phone calls is subject to varying state and federal laws regarding privacy and recording of conversations.

Tip: Make your recording in a quiet location. Hold the phone about four inches (10 centimeters) from your mouth, and speak directly into the phone' in a normal tone of voice.



Do This	Result
1 Press and hold the voice key for the duration of the recording.	The phone sounds an alert tone and begins recording.
2 Speak your voice note.	The phone records the voice note.
3 Release the voice key to stop recording.	The phone displays the voice note number and total recording time.

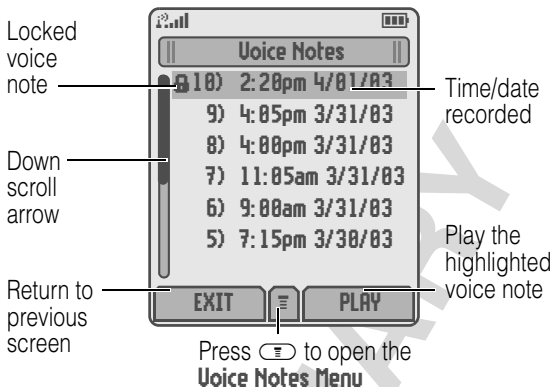
View the Voice Notes List

Find the Feature



> Office Tools



> Voice Notes



Play a Voice Note

Find the Feature

 > Office Tools
> Voice Notes

Press	To
1 	scroll to the voice note
2 PLAY ()	play the voice note

Tip: You can play a voice note while on a call. It will not be transmitted to the other party.

Lock and Unlock a Voice Note

Lock a voice note to prevent it from being deleted. You must unlock a voice note to delete it.

Find the Feature

 > Office Tools
> Voice Notes



Press	To
1	scroll to the voice note
2	open the Voice Notes Menu
3	scroll to Lock or Unlock
4 SELECT ()	lock or unlock the voice note

To lock or unlock a voice note during playback, press and select **Lock** or **Unlock**. Playback stops when you lock or unlock a voice note. Press any number key to resume playback.

Delete a Voice Note

Find the Feature

> Office Tools
> Voice Notes

Press	To
1	scroll to the voice note
2	open the Voice Notes Menu
3	scroll to Delete or Delete All
4 SELECT ()	select the highlighted option
5 YES ()	confirm the deletion
or	
NO ()	cancel deletion

Calculator and Currency Converter



You can use your phone as a convenient calculator and currency converter.

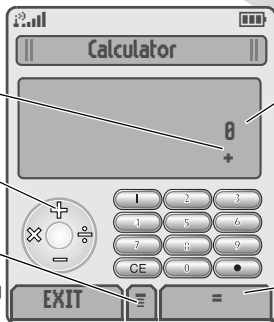
Find the Feature

 > Office Tools
> Calculator

Selected function appears here

Press  to enter a function

Press  to open the **Calculator Menu**



Entered number

Calculate the function

Press  to open the Calculator Menu functions:

Function	Description
MS	Store the displayed number in memory.
MC	Clear memory.
MR	Recall the value stored in memory.
%	Divide the displayed value by 100.
Convert Currency	Multiply the displayed value by the Exchange Rate you stored.
Exit	Exit the calculator.
Exchange Rate	Store an exchange rate to use with the Convert Currency menu option.

News and Entertainment

Mobile Internet



The Web micro-browser lets you access Web pages and Web-based applications (such as online banking, shopping, and games) on your phone. Contact your service provider to set up access, if necessary. To open the Web micro-browser:

Find the Feature

> WebAccess > Browser

If you are unable to establish a network connection with the micro-browser, contact your service provider.

Do This	To
Press up or down	scroll through a page
Press left or right	go back to the previous page or forward to the next one
Press	open the Browser Menu
Press	lock your phone's keypad while downloading a file

Download Pictures and Sounds

You can download a picture, animation, or sound from a Web page by selecting its link.



Note: To save phone memory, store graphic, video, and sound files on an SD/MMC card. See “Using an SD or MMC Card” on page 75.



Storing a Picture or Animation File

Press	To
1 STORE (⏪)	view storage options
2 ⓪	scroll to Store Only , Set As Wallpaper , or Set as Screen Saver
3 SELECT (⏩)	select the option

Storing a Sound File

Press	To
1 STORE (⏪)	view storage options
2 ⓪	scroll to Store Only or Set As Ring Tone
3 SELECT (⏩)	select the option
	If you select Store Only , the procedure is complete.
	If you select Set As Ring Tone , your phone displays Set As Which? , and lists the events for which you can set an alert.
4 ⓪	scroll to the event
5 SELECT (⏩)	store the sound and set it as the event alert

Java Applications






You can install and run Java applications on your phone. These applications add new features and services to your phone.

Download an Application With the Micro-Browser

Find the Feature

 > WebAccess > Browser

Go to the page that contains the Java application you want, then:

Press	To
1 	scroll to the application
2 SELECT ()	view the application details
3 DWNLDR ()	download the application

Launch a Java Application

Find the Feature

 > Games & Apps
> *the application*

If the application requires an Internet connection, your phone prompts you to approve the connection.

Camera and Picture Viewer

The camera attachment is not available on all phones.

To capture pictures on your phone, install the camera as described in “Reinstalling the Camera” on page 17.



Capture Pictures



To take a picture, attach the camera/video accessory to your phone and follow these steps:

Find the Feature

 > Media Center > Pictures
> [New Picture]

The image in the camera's viewfinder appears on your phone's display



Do This	To
1 Point your phone at the subject of the picture	find the picture you want to take
2 Press CAPTURE ()	freeze the picture in your phone's display
3 Press STORE ()	store the captured picture as a file, wallpaper, screen saver, or message attachment

Note: To save phone memory, store graphic, video, and sound files on an SD/MMC card. See "Using an SD or MMC Card" on page 75.



Download Pictures








You can download pictures and animations to your phone and use them as wallpaper or a screen saver.

To download a picture or animation from the micro-browser, see page 87. To download a picture or animation from a text message, see page 52.

View Pictures

Find the Feature

 > Media Center > Pictures

Press	To
1 	scroll to the picture
2 SELECT ()	view the picture
3  left or right	view the previous/next picture
or	
DETAILS ()	view picture information
or	
	open the Picture Viewer menu to perform other procedures as described in the following list

The **Picture Viewer** menu includes the following options:

Option	Description
New Picture	Capture a new picture
New Slideshow	Create a slideshow from a series of stored pictures
Set as Wallpaper	Set the picture as your phone's wallpaper image.





Option	Description
Set as Screen Saver	Set the picture as your phone's screen saver image.
Set as Power-Up Animation	Set the picture as the image that appears when you turn on your phone.
Details	View picture information.

To adjust your phone's wallpaper and screen saver images, see page 63.

Video Recorder and Viewer

The camera attachment is not available on all phones.

To capture videos on your phone, install the camera as described in "Reinstalling the Camera" on page 17.

Record Videos

To record a video, attach the camera/video accessory to your phone and follow these steps:

Find the Feature

 > Media Center > Videos
> [New Video]

The image in the camera's viewfinder appears on your phone's display

Do This

- 1 Point your phone at the subject of the video

To

find the scene you want to record

Do This	To
2 Press CAPTURE (⏻)	start recording the scene in your phone's display
3 Press STOP (⏻)	stop recording
4 Press STORE (⏻)	store the captured video as a file or message attachment

Note: To save phone memory, store graphic, video, and sound files on an SD/MMC card. See "Using an SD or MMC Card" on page 75.



Watch Videos

Find the Feature

☰ > Media Center > Videos

Press	To
1 Ⓐ	scroll to the video
2 PLAY (⏻)	view the video
3 DETAILS (⏻)	view video information
or	
☰	open the Video Player menu to perform other procedures as described in the following list

Games

You can download Java games to your phone ("Download an Application With the Micro-Browser" on page 89). If you get an incoming call, message, alarm, or alert, the game

ends automatically. To open a game that is on your phone:

Find the Feature

 > **Games & Apps**

Press	To
1 	scroll to the game of your choice
2 SELECT ()	start the game

When the game is over, you can play another session of the same game or return to the games menu.

SIM Applications



You can access information and applications stored on your SIM card.

To access the available applications:

Find the Feature

 > **Services**
> **SIM Applications**

Contact your service provider for more details.

Specific Absorption Rate Data

The Motorola A830 wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by Health Canada for Canada. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by Health Canada is 1.6 W/kg.¹ Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe

exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 0.67 W/kg, and when worn on the body, as described in this user guide, is 0.14 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).²

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

<http://www.cwta.ca>

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

ITC02-155

Warranty

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

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.

Products Covered	Length of Coverage
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.
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days 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 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
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase.

Exclusions

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

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

Who is Covered?

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

What Will Motorola Do?

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

How to Obtain Warranty Service or Other Information

USA	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 Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include:

- (a) a copy of your receipt, bill of sale or other comparable proof of purchase;
- (b) a written description of the problem;
- (c) the name of your service provider, if applicable;
- (d) the name and location of the installation facility (if applicable) and, most importantly;
- (e) your address and telephone number.

What Other Limitations Are There?

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