INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:
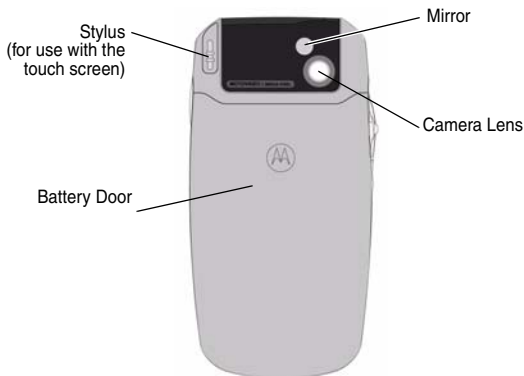
EXHIBIT 8

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola A780 GSM wireless phone.

Note: Your phone may not appear exactly as shown above. All features and functions remain the same regardless of your phone's appearance.

Check It Out!

Stylus
(for use with the
touch screen)

Mirror

Camera Lens

Battery Door

Feature	Description
CLI Features	
Take Photo	Open the flip to see the on-screen view finder. Press the camera key to activate the camera, point lens at subject, then press the camera key to take a photo.
Record Video	Press the camera key to activate the camera. Tap ⌃, then tap Record Video. Tap Record to start video recording. Tap Done to stop video recording.
TransFlash Memory Card	Used to store downloaded files

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Feature	Description
Send Multimedia Message	Send a multimedia message with pictures, animations, sounds, and videos:
Read Multimedia Message	Read a missed multimedia message that you have received: Tap 🔴, tap **Download**, tap ▶ to play.
Play Music or Video Clip	Play a song or watch a video clip stored on your phone: Tap ① **Media**, tap 🗐, then tap **Open**. Tap **File**, use the file manager to navigate to the desired file, then tap *filename* to play.
Bluetooth Wireless Connection	Set up a Bluetooth® wireless connection to a headset accessory, car kit, or external device: Tap 🖼 **Bluetooth**, tap 🗐, tap **Setup**. Tap **Turn On**. Tap **Search** to locate the Bluetooth device.

Software Copyright Notice

Manual number: 6809489A49-O

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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 in user's guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

External Antenna Care

Use only the supplied or Motorola-approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy 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 phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch (2.5 centimeters) 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 1 inch (2.5 centimeters) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antennas, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at www.Motorola.com.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that 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

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 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 OFF the phone 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.

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 handsfree operation, if available.

- Pull off the road and park before making or answering a call if driving conditions so require.

Responsible driving best practices may be found in the "Wireless Phone Safety Tips" at the end of this manual and at the Motorola website: www.Motorola.com/callsmart.

Operational Warnings

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a 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. 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. 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 electronic devices." Obey all signs and instructions.

Batteries

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. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
⚠	Important safety information will follow.
⊗	Your battery or phone should not be disposed of in a fire.
♻	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
⊠	Your battery or phone should not be thrown in the trash.
⊖ LiIon BATT ⊕	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing

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video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a flashing-lights feature on your phone. (The flashing-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate flashing lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a flashing-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

European Union Directives Conformance Statement

$C\epsilon$ 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

$C\epsilon$0168

Type: MC2-41H14

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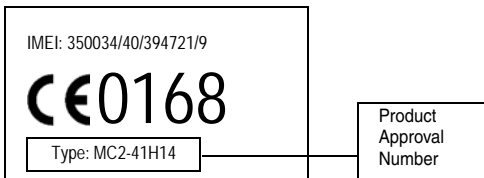
The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (the 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.

Getting Started

CAUTION: Before using the phone for the first time, read the *Important Safety and Legal Information* included in the gray-edged pages at the back of this guide.

About This Guide

This guide describes the basic features of your Motorola wireless phone.

Optional Features

This label identifies an optional network, SIM card, or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.

Optional Accessories

This label identifies a feature that requires an optional Motorola Original™ accessory.

Installing the SIM Card

Your *Subscriber Identity Module* (SIM) card contains your phone number, service details, address book, and messages.

1 Press and hold the battery door latch on the side of your phone.

2 Slide the battery door down and lift it off the phone.

3 Slide the SIM card into the SIM card holder noting the orientation of the cut corner.

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

Battery Door

SIM Card   Cut Corner

Battery Door Latch
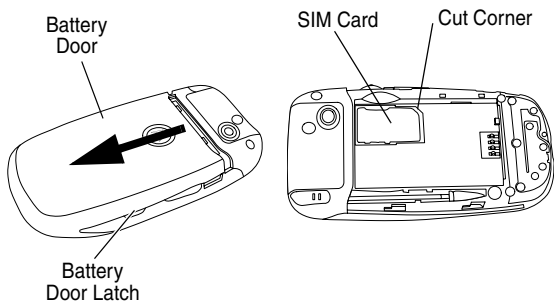
Battery Use

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;

accessory items attached to the phone; and your voice, data, and other application usage patterns.

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 a long 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.

- 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 phone 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.

Warning: Never dispose of batteries in a fire because they may explode.

Installing the Battery

™ Your phone is designed to use only Motorola Original batteries and accessories.

1 Press and hold the battery door latch on the side of your phone.

2 Slide the battery door down and lift it off the phone.

3 Insert the bottom of the battery first and press it into place.

Battery Door

Battery
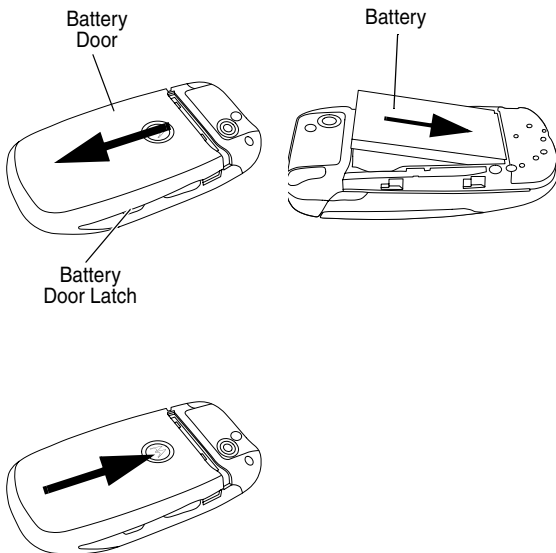
Battery Door Latch

4 Replace the battery door.

Installing the TransFlash Memory Card

You can insert a memory card into the memory card slot (on the top of your phone under a protective cover), and use the memory card to store and retrieve multimedia objects (such as photos and music files), address book entries, calendar events, messages, and other phone files.

Note: Due to a known Microsoft® Windows® USB driver issue, a computer running Windows 2000 with Service Pack 1 or Service Pack 2 will not recognize a memory card inserted into your phone when you attempt to transfer or synchronize data between your phone and computer through a USB cable connection.

Charging the Battery

New batteries are shipped partially charged. Before you can use your phone, you need to install and charge the battery as described below. Some batteries perform best after several full charge/discharge cycles.

1 Open the protective cover and plug the travel charger into the USB connector port on your phone as shown.

> **Note:** It may take up to 10 seconds for your phone to provide a visible or audible indication that the battery is charging.

Insert Charger Cable Here

2 Plug the other end of the travel charger into the appropriate electrical outlet.

3 When your phone indicates `Charge Complete`, remove the travel charger.

Tip: You can safely leave the travel charger connected to the phone after charging is complete. This will **not** damage the battery.

Turning Your Phone On

1 Open the flip, press and
   hold the power key for 2
   seconds to turn the phone
   on.
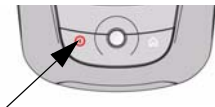
Note: The flip must open to
turn the phone on. It may take
up to 4 seconds for the display to illuminate after you
turn the phone on.

2 If necessary, enter your SIM card PIN code and tap **OK**
   to unlock the SIM card.

   Caution: If you enter an incorrect PIN code 3 times in
   a row, your SIM card is disabled and your phone
   displays **SIM Blocked**.

3 If necessary, enter your 4-digit unlock code and tap **OK**
   to unlock the phone.

Note: If you do not insert a SIM card, your phone displays
No SIM Card. You can select **Antenna On** (to make an emergency
call) or **Antenna Off** (to play games or use your phone's
personal organizer features).

Turning Your Phone Off

With the flip open, press and hold the power key for 2
seconds to turn the phone off.

Adjusting Volume

1 Rotate the rocker switch to scroll to Setup, tap **Setup**.

2 Tap **Sound Volume** to:

- increase or decrease system volume

- increase or decrease ring tone volume

- increase or decrease speaker volume

- increase or decrease touch screen volume

- increase or decrease notifications alert volume

Making a Call

Making a Call with the Flip Closed

1 Dial the phone number on the external keypad.

2 Press the send key to make the call.

3 When you are finished press the end key to end the call.

Making a Call with the Flip Open

1 Tap ☌ in the top global navigation bar to display the phone keypad.

2 Tap the keypad keys to dial the phone number.

3 Tap **Call** to make the call.

4 When you are finished, tap **End** to end the call.

Tip: Tap ⌧ to select a number from a list of recent received or dialed calls.

To make a call by entering a contact name

1 On the phone keypad, press the keys on the keypad to spell the contact name. For example, to call Scott, press the 7, 2, 6, 8, and 8 keys.

2 When the contact name displays, select it, and press **Talk** ℗. If you do not find the contact, press and hold ☍ to clear the display.

Note: With the flip open, as you enter a phone number or contact name, the phone searches Contacts, Call History, Speed Dial lists, and the Subscriber Identity Module (SIM) card to find a matching name and/or number. With the flip closed, it only searches contact list or it can be set to search the SIM card (contact list is the default). When you see the name of the person to call, select it, and press **Talk** ℗.

Answering a Call

Answering a Call with the Flip Closed

1 Press the Send key to answer a call.

2 When you are finished, press the End key to end the call.

Answering a Call with the Flip Open

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

1 Tap **Answer** to answer the call.

2 When you are finished, tap **End** to end the call.

Tip: If you prefer not to answer the call, you can tap **Ignore** to hang up on the caller, or tap **Busy** to transmit a busy tone signal to the caller.

Viewing Your Phone Number

To view your phone number:

1 Tap $\diamondsuit$ in the global navigation bar to display the phone keypad.

2 Tap $\hat{\diamond}$ in the bottom button bar to open the phone menu.

3 Tap **My Number** to view your phone number.

While you are on a call, tap ⌃ and then tap **My Number**.

Note: Your phone number must be stored on your SIM card to use this feature. To store your phone number on the SIM card, see page 55. If you do not know your phone number, contact your service provider.

Synchronizing with MOTOSYNC

MOTOSYNC is a secure, always-up-to-date (AUTD), over-the-air (OTA) synchronization of your email, calendar, and contact information directly between the A780 and a Microsoft Exchange 2003 server allowing you to stay connected while out of the office. Additionally, the OTA synchronization framework included with MOTOSYNC utilizes standard protocols such as POP3/MAP4/SMTP/SyncML providing you with the ability to receive their email from other third party internet service providers on their A780 phone.

Highlight Features

You can do much more with your phone than make and receive calls! This section describes some of your phone's highlight features.

CLI Features

- Speakerphone
- Contacts Find
- SMS send and receive
- Play Music
- Key Lock

Global Navigation Bar

The Global Navigation Bar (GNB) provides instant access to call, messaging, contacts, and applications.

Using the Camera

Shortcut: Open the flip and press the camera key to activate the camera. Press the camera key again to take a photo.

To access the camera icon from the Application Launcher, press ⬛ (top left GNP incon).

The active viewfinder image appears on your display.

Using the Viewfinder

Open the flip and point the camera lens at the photo subject. Press ⊙ as indicated to zoom in/out and adjust image brightness. You also zoom in or out using the rocker switch.

You can tap the screen to remove the icons for an unobstructed view, or tap the screen again to bring the icons back.

The icons on the viewfinder are active and can be used to change the most-used functions (image size, camera/video mode, effects mode, etc.)

The number in the upper-left of the viewfinder represents the number of additional photos, or the minutes and

seconds of additional video, that can be stored in the current selected memory storage location.

Taking a Photo

Tap **Capture** or press the camera key to take a photo.

Tip: If the camera is in video mode, tap ⋀, then tap **Capture Photo** to put the camera in photo mode. The mode indicator in the upper-left corner of the viewfinder changes to ▣ to show that the camera is in photo mode.

Recording a Video

Tap ⋀ on the Application Launcher to activate the camcorder video mode. The mode indicator in the upper-left corner of the viewfinder changes to ▦ to show that the phone is in the camcorder video mode.

Tap **Record** to start recording a video. Tap **Done** to stop video recording.

Previewing a Photo or Video

When previewing a video, tap ▶ to play the video.

To delete a photo or video, tap **Delete**.

To save a photo or video, tap **Save**.

Using Effects

You can adjust the **Brightness** of your photo or video, specify the **Light** conditions, and select a photo **Style** (such as **Black and White**, **Sepia** tones etc.) by tapping 1 or more of the icons at the top right of the screen.

Using Effects

Tap ⌃, then tap **Effects** to open the camera effects menu.

You can adjust the **Brightness** of your photo or video, specify the **Light** conditions, and select a photo **Style** (such as **Black and White** or **Sepia** tones).

Adjusting Setup Options

Tap ⌃, tap **Setup**, then tap 🔲 to open the camera setup menu.

You can set or adjust the following options:

Option	Description
Photo size	Set the **Size** of the photos you take.
Photo quality	Set the quality of the photo.
Default Name	Apply a date and time stamp, or specify a text prefix for the photos and videos you take.
Shutter sound	Set the shutter sound.
Delay timer sound	Set the delay timer sound.
Save To	Specify the location where your photos/videos are saved.

Using the Delay Timer

Tap ⌃, then tap **Delay Timer** to activate the delay timer. The timer indicator displays in the upper-left corner of the viewfinder.

Tap **Start** to activate the timer. The timer counts down from 10 seconds, and then takes a photo. You can tap **Stop** to stop the timer at any time during the countdown.

Tip: To take a self-portrait: Activate the timer, and use the mirror to aim the camera lens.

Sending a Multimedia Message

A *Multimedia Messaging Service* (MMS) *multimedia message* contains one or more pages with text and embedded media objects (including photos, pictures, animations, sounds, voice records, and/or video clips). You can send an MMS message to other wireless phone users, and to email addresses.

To compose and send an MMS message:

1 Tap ✉ in the global navigation bar to go to the message center.

2 Tap **Compose**.

3 Tap the screen and keyboard is displayed. Enter you text. When you are finished, tap the keyboard icon (in the lower right corner of the screen) to hide the text entry keyboard or pad.

4 Tap a button in the media toolbar at the bottom of the screen to insert media objects on the page or attach files to the message.

> 🕐 Tap to insert a picture, video, or new drawing on the page.
>
> ♪ Tap to insert a sound file or new voice record on the page.
>
> 📷 Tap to activate the **Camera**, take a photo, and insert it on the page.
>
> 📎 Tap to attach a contact, event, task, or file to the message.

5 To add a new page after the current page, tap 🗋. Repeat steps 3 and 4 to enter contents for the new page.

6 To enter the message recipient(s), tap **To** to select numbers or addresses from your address book, or tap the direct line in the **To** field to enter a phone number or email address.

7 Tap **Cc**, **Bcc**, or **Subject** to enter additional recipients or a message subject. (Use the MMS menu, described below, to show or hide these fields.)

8 Tap **Send** to send the message.

When composing an MMS message, you can tap ⌃ to perform various operations on the message prior to

sending it. The MMS menu can include the following options:

Option	Description
Load	Insert a quick card, quick text note, or auto-signature on the page.
Save To	Save the message to the **Drafts** folder, or save it as a quick card.
Send to Blog	
Page Duration	Set the number of seconds each page is displayed.
Preview	Preview the MMS message.
Show	Show or hide the **Cc**, **Bcc**, and/or **Subject** header fields. Use **Cc** or **Bcc** to carbon-copy or blind-carbon-copy the message to additional recipients. Use **Subject** to specify a subject for the message.

Option	Description
Send Options	**Receipt Request**: Request a delivery report or read report for the message.
	Expire After: Set the expiration time for an undelivered message.
	Priority: Set message priority.
	Send Later: Set a time and date for your phone to send the message.
Delete	Delete the current page, delete an object on the page, or delete the message.

Receiving a Multimedia Message

Your phone displays the ✉ **Prompt** icon in the global navigation bar to notify you that you have received a new MMS message.

Tap ✉ to display message details (sender, subject, time, and size). Tap **Download** to download the message to your phone. Tap ↩ to return to the previous screen without downloading the message.

When you download an MMS message:

- Tap ⓘ to display message details (sender, subject, time, and size).
- Tap ▶ to play the message.

- Tap **Reply** to send an MMS reply to the message.

- Tap ⌃ to perform various operations on the message. The received MMS message menu can include the following options:

Option	Description
Reply By SMS	Send an SMS reply to the message.
Save File	Save a media object in the message.
Save As Quick Card	Save the current MMS page as a quick card. You can insert the quick card into MMS messages that you compose.
Move To Folder	Move the message to another message center folder.
Delete Message	Delete the message.

Using the RealOne Media Player

Your phone includes a RealOne Media Player that you can use to play audio and video files.

Tap ① **Media** in the application launcher screen to launch the media player.

To play a media file, tap ☆, then tap **Open**. Tap **File** to play a media file stored on your phone, or tap **URL** to download and play a media file from a Web site.

00:03:21	Track03: Can't Cry
File:	Street Sound #1
Length:	00:04:45
Type:	MP3
Quality:	44 khz/192kbps
Artist:	Various
Album:	Best of Sound
Genre:	Mixed

In the media player window:

- Tap ▶ to play the current media file.
- Tap ■ to stop playing.
- Tap ⦿ or ⦿ to play the previous or next file.
- Tap the volume slider to adjust the volume. Alternatively, you can press the volume keys to adjust volume.
- Tap ⦿ to mute the sound. Tap it again to resume.

Tap **Now Playing** to display the name of the current media file. When the now playing list is displayed, tap **My Lib.** to add other files to the now playing list. Tap ☆ to play other media files, combine media files to create playlists, and perform other media-related operations.

Using a Bluetooth® Wireless Connection

Your phone supports Bluetooth® wireless connections. You can set up a wireless link with a Bluetooth headset accessory, speakerphone, or handsfree car kit, or connect to a computer or hand-held device to exchange and synchronize data.

Turning Bluetooth On/Off

1 Tap ✶ **Bluetooth** in the application launcher screen then tap ⌃.

2 Tap **Turn On** or **Turn Off** to activate or deactivate Bluetooth.

Searching for Other Devices

To connect your phone to a headset accessory or handsfree device:

1 Tap ✶ **Bluetooth** in the application launcher screen to display the device list.

2 If necessary, turn Bluetooth on.

3 Tap **Search** to search for available Bluetooth devices.

Your phone displays a list of device(s) located within range of the phone. If your phone is already connected to a device, your phone identifies the connected device.

To connect to a device, select it from the list. The device may request permission to bond with your phone. Enter the correct PIN code to create a secure connection with the device.

Making Your Phone Visible to Other Devices

To allow an unknown Bluetooth device to discover and connect to your phone:

1 Tap ✹ **Bluetooth** in the application launcher screen to display the device list.

2 If necessary, turn Bluetooth on.

3 Tap **Discoverable** to put your phone into discoverable mode until a connection is made, or until 3 minutes elapse.

The device may request permission to bond with your phone. Enter the correct PIN code to create a secure connection with the device.

Connecting to a Recognized Device,

Your phone stores the names of previously connected devices. The device list shows the recognized devices located within range of the phone. If your phone is already connected to a device, your phone identifies the connected device.

Tap a device name to view its details. Tap and hold the device name to open a pop-up menu from which you can choose to **Create Bond**, **Connect**, **Delete**, or **Lock/Unlock** the device.

For a Motorola headset or other audio device, your phone automatically attempts to connect to the device.

Disconnecting From a Device

To disconnect from a device, tap and hold the device name to open a pop-up menu, then select **Drop** to drop the connection.

Exchanging Objects With Another Device

You can use a Bluetooth wireless connection to exchange a multimedia object or vObject (such as a vCard address book entry or vCalendar calendar event) with another phone, computer, or hand-held device.

Sending an Object

Turn on Bluetooth, then:

1 Tap and hold the object to open a pop-up menu, then select **Share** to display a list of share options.

2 Tap **Bluetooth** to display the device list.

3 Tap the device name on the list, or tap **Search** to locate the device.

4 Tap **Send** to send the object. If necessary, enter the correct PIN code to create a secure connection with the device.

Receiving an Object

Turn on Bluetooth. Your phone alerts you when it receives a data transfer request from the other device.

Tap **OK** to accept the data. If necessary, enter the correct PIN code to create a secure connection with the device.

Your phone notifies you when object transfer is complete, and may prompt you to specify the location where you wish to store the file.

Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Touchscreen Display

When you tap 🌠 on the home screen, the application launcher *screen* page 1 is displayed.

You can use all of your phone's features by tapping on feature icons, buttons, and text with the provided stylus. Tap a page label on the left side of the screen to display application launcher screen pages 1, 2, 3, or 4. Tap on a feature icon to select the feature.

Note: Your application launcher screen may look different than the display shown above. For example, phone features can be displayed as a text-based list view instead of as feature icons, and you can set a different wallpaper image to display behind the icons, buttons, and page labels.

Global Navigation Bar

Icons in the global navigation bar give you easy access to commonly used applications:

🖳 **Application Launcher Screen**	Go to the application launcher screen
🖼 **Address Book**	Go to the address book
✉ **Message**	Go to the message center
☊ **Phone**	Display the phone keypad

In addition to the standard icons, your phone displays a **! Prompt** icon in the global navigation bar to notify you of a missed call or new message. Tap **!** to view information about the call or message.

Status Bar

The following indicators can display in the status bar:

1. Signal Strength   3. Real One   5. IM   7. VCO   9. Clock

2. Blue Tooth   4. AGPS   6. GPRS   8. Battery Level
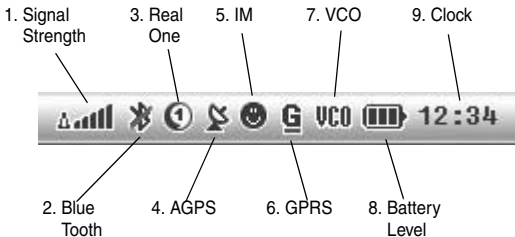
1. Signal Strength Indicator – Vertical bars show the strength of the network connection. You cannot make or receive calls when the ⊿ (no signal) indicator or ⊿✕ (no transmit) indicator is displayed.

2. Bluetooth® Indicator – Shows that your phone has established a Bluetooth wireless connection with a headset accessory or other external device.

3. RealOne – Multi media

4. AGPS – Assisted GPS using additional non-GPS data inputs.

5. IM – Instant Message received

6. GPRS Indicator – Shows that your phone is using a high-speed *General Packet Radio Service* (GPRS) network connection. GPRS allows faster data transfer speeds. A darkened indicator shows that a GPRS connection is not available.

7. VCO – Voice carry over used with TTY.

8. Battery Level Indicator – Vertical bars show the battery charge level. Recharge the battery when **Low Battery** displays and the battery alert sounds.

9. Clock – Shows the current time.

Button Bar

The button bar shows functions you can select in the active application.

↵ **Return**   Tap to return to the previous screen.

⌃ **Menu**   Press to open a context sensitive menu.

Using the 5-Way Navigation Key

Press the 5-way navigation key up, down, left, or right to scroll through screens and feature icons, highlight items, change feature settings, and play games. Press the center select button in the center of the 5-way navigation key to select a highlighted item.
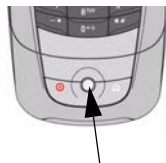
5-Way Navigation Key

Note: This guide describes how to use the stylus and touchscreen control to use features. In most cases, it does

not include the equivalent navigation key for using the feature.

Opening Phone Features

Your phone has many built-in features for communications, personal organization, and entertainment. Every feature has an associated icon.

You can open a feature in the following ways:

- Tap one of the icons in the global navigation bar at the top of the screen. These icons are always visible on the screen.

- Tap ⋏ in the top global navigation bar to go to the application launcher screen. The application launcher screen displays icons for all of your phone's features. Select the feature you want to open.

The following icons identify features available on the application launcher screens:

Application Launcher Screen 1

🖫 Recent	🜨 Browser
♟ IM	🖂 Email
🎙 Recorder	🗒 Note Pad

Application Launcher Screen 2

Ⓖ⁼ᵃˡ Media	🖾 Camera
✵ Drawing	🗃 File Manager

Application Launcher 3

Your phone may contain Java™ games or applications that add features and functionality to your phone. Java games and applications are accessed from the application launcher screen 3 on your phone.

Application Launcher 4

🗓 Calendar	🧮 Calculator
🗓 Tasks	✳ Bluetooth
⏱ Alarm	World Clock
✕ Setup	🔄 Sync
📵 STK	📠 Modem
Network	🔒 Security

Tip: You can set your phone to display the application launcher screen features as a text-based list rather than graphic icons. Tap ⋀, then tap **List View** to change to list view. From list view, tap ⋀, then tap **Thumbnail View** to reset the graphic icons.

Entering Text

Multiple text entry methods make it easy for you to enter names, numbers, and messages. The method you select remains active until you select another method.

Tap a text entry area on the screen to bring up a text entry window. If necessary, tap the entry method button ▦ at the bottom of the screen to select a text entry method.

Handwriting

You can use the stylus as a pen to write letters, numbers, and punctuation directly on the screen.

In a text entry window, tap [icon] and tap **Handwriting** to open the handwriting pad (shown at right). Tap a button on the handwriting pad to select

	▼		
中文			←
abc			←
123	a	b	—
↑A			*#+

Chinese characters, English text, or numbers as the type of text you want to enter.

Use the stylus to write in one of the 2 writing spaces. For best performance, alternate between the writing spaces so that recognition can occur in one while you are writing in the other.

Write a text character, then wait for your phone to recognize and place it in the text entry window. If your phone places an incorrect character, tap the character in the choice area that you want to replace it.

Your phone uses a predictive text function to predict the word you are writing. Tap a word in the prediction area to place it in the text entry window.

To enter special characters or edit text, use the function buttons described on page 51.

Pinyin Keyboard

Use the Pinyin keyboard (shown at right) to enter Chinese characters. Tap keyboard characters in sequence to spell the pinyin. The letters you enter display in the pinyin area, and corresponding Chinese characters display in the choice area. To see additional characters, tap the previous button ◄ or next button ►. Tap the desired character to place it at the cursor location in the entry window.

Your phone predicts the pinyin you are spelling, and highlights the next letters you can type to finish the word.

Zhuyin Keyboard

Use the Zhuyin keyboard (shown at right) to enter words using Zhuyin characters.

English Keyboard

Use the English keyboard (shown at right) to enter letters and numbers at the cursor location in the text entry window.

Learning to Use Your Phone
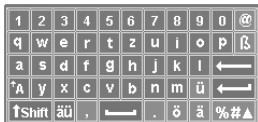
Numeric Pad

Use the numeric pad (shown at right) to enter digits and/or numeric symbols at the cursor location in the text entry window.

1	2	3	←
4	5	6	,*#+
7	8	9	0

Function Buttons

Tap ⬛ with any text entry method to open the symbol pad, to enter a symbol at the cursor location. Tap ⬛ to lock or hide the symbol pad.

To delete the character to the left of the cursor, tap ⬛.

To move the cursor to the next line, tap ⬛.

To enter a space at the cursor location, tap ⬛.

Tip: Tap a location in the text entry window to move the cursor to that location.

Using the Handsfree Speakerphone

When you activate your phone's handsfree speaker, you can talk to the other party without holding the phone to your ear.

Tap **Spkr** to turn the handsfree speaker on or off during a call. The handsfree speaker remains on until you tap **Spkr** again or turn the phone off.

Note: The handsfree speaker is disabled when you connect your phone to a handsfree car kit or headset accessory.

Changing a Code, PIN, or Password

Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Your service provider may reset these codes before you receive your phone.

If your service provider has **not** reset these codes, we recommend that you change them to prevent others from accessing your personal information. The unlock code must contain 4 digits, and the security code must contain 6 digits.

You can also reset your SIM card PIN code, PIN2 code, and/or call barring password if necessary.

To change a code or password, tap **🔒 Security** in the application launcher screen, tap the **Security** button in the

bottom button bar, then tap **Password** to open the change passwords screen.

Locking and Unlocking Your Phone

You can lock your phone to prevent unauthorized use.

You can set a timer to lock your phone after a set elapsed period of inactivity. Also, you can answer calls, read notifications, (but not read SMS messages) without unlocking your phone. When your phone is locked you can not make calls, view PIM, or access other features.

To use a locked phone, you must enter the unlock code. A locked phone still rings or vibrates for incoming calls or messages, **but you must unlock it to answer**.

You can make emergency calls on your phone even when it is locked (see page 61).

Locking Your Phone

Tap **🔒 Security** in the application launcher screen, then tap **Phone Lock On**. Your phone prompts you to enter the unlock code. Enter your unlock code to lock the phone.

Unlocking Your Phone

When you see the **Enter Unlock Code** prompt, enter your unlock code to unlock the phone.

Tip: Your phone's unlock code is originally set to 1234. Many service providers reset the unlock code to the last 4 digits of your phone number.

If You Forget a Code, PIN, or Password

Note: Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Many service providers reset the unlock code to the last 4 digits of your phone number before you receive your phone.

If you forget your unlock code, try entering 1234 or the last 4 digits of your phone number. If that does not work, do the following at the **Enter Unlock Code** prompt: Tap ⌃ to display the unlock code bypass screen. Enter your security code, then tap **OK** to submit the security code.

If you forget your security code, SIM card PIN code, PIN2 code, or call barring password, contact your service provider.

Setting Up Your Phone

Storing Your Name and Phone Number

1 Tap in the top global navigation bar to display the phone keypad.

2 Tap in the global navigation bar to open the phone menu.

3 Tap **Setup** to open the phone setup menu.

4 Tap **My Number** to open the number editor.

5 Enter your name and number (for line 1 **and** line 2, if applicable), then tap **Done** to store the information.

If you do not know your phone number, contact your service provider.

Setting the Date and Time

You must set the date and time
to use the calendar application.

1 Tap ✕ **Setup** in the application
launcher screen, then tap
Date and Time.

2 Tap **Date** to set the date on
the date setup calendar
(shown at right).

3 Tap **Time** to set the current
time. When you are finished,
tap **Done** to return to the
setup screen.

Setting a Ring Style

Your phone rings or vibrates to notify you of an incoming
call or other event. This ring or vibration is called an *alert*.

You can select one of 3 different ring styles, or turn off the
incoming call alert. To set a ring style, tap the *ring style*
button in the application launcher screen and select one of
the ring styles described on page 45.

Setting Backlight Brightness and Duration

1 Tap ✕ **Setup** in the application launcher screen, then
tap **Backlight Setup**.

2 Tap ◁ and ▷ to decrease or increase backlight brightness.

3 Tap **LCD Sleep Time** to set the amount of time that the backlight remains on.

4 Tap **Done** to save your settings.

Tip: Tap ↵ to return to the setup screen without saving your changes.

Note: Your phone's display normally is visible only when the display backlight is on, or when the display is viewed in direct sunlight. To extend battery life, the backlight turns off automatically when no activity is detected for a period of time. The backlight turns back on when you tap the screen or press any key.

Conserving Battery Power

Your phone includes several features designed to help extend battery life.

Note: To conserve power it is recommended that you leave Bluetooth turned off. Turn it on only when needed.

Tap ✕ **Setup** in the application launcher screen, then tap **Power Management**. Your phone displays a battery charge meter that indicates the remaining battery power.

The **Battery Save** feature automatically adjusts phone settings to maximize battery life. Set **Battery Save** to **On** or **Off** to activate or deactivate the feature.

The **Auto Power Off** feature automatically turns your phone off after a period of inactivity. Tap **On** to activate the feature,

then tap Off Time to specify the period of inactivity, in hours and minutes, after which your phone turns itself off.

Tap **Save** to save your settings and return to the setup screen.

Calling Features

For basic instructions on how to make and answer calls, see page 25.

Changing the Active Line

Change the active phone line to make and receive calls from your other phone number.

Note: This feature is available only for dual-line-enabled SIM cards.

1 Tap ☌ in the top global navigation bar to display the phone keypad.

2 Tap ☆ in the bottom button bar to open the phone menu.

3 Tap **Setup**.

4 Tap **Switch to Line 2** (or **Line 1**) to switch to the other line.

Redialing a Number

1 Tap ☌ in the top global navigation bar to display the phone keypad.

2 Tap ☺, then tap **Dialed Calls** to go to the dialed calls list.

3 Tap the number you want to redial.

Using Automatic Redial

When you receive a busy signal, your phone displays **Call Failed**, **Number Busy**.

To redial the phone number, tap **Redial**.

Your phone automatically redials the number.

Using Caller ID

Incoming Calls

Calling line identification (caller ID) displays the phone number for incoming calls in your phone's external and internal displays.

The phone displays the caller's name (and picture ID, if available) when the name is stored in your address book, or **Incoming Call** when caller ID information is not available.

You can also set your phone to play a distinctive ring tone for specific contacts stored in your address book. For more information, see page 88.

Outgoing Calls

You can show or hide your phone number as an ID for the calls that you make.

1 Tap 📞 in the top global navigation bar to display the phone keypad.

2 Tap ☆ in the bottom button bar to open the phone menu.

Calling Features

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3 Tap **Setup** to open the setup menu.

4 Tap **Show id**, then tap **On** or **Off** to show or hide your caller ID with outgoing phone calls.

Tip: Select **Network Controlled** to let the network determine your caller ID status.

Canceling an Incoming Call

While the phone is ringing or vibrating, tap **Ignore** to cancel the incoming call.

Depending on your phone settings and/or service subscription, the call may be forwarded to another number, or the caller may hear a busy signal.

Turning Off a Call Alert

You can turn off your phone's incoming call alert before answering the call.

Press either volume key to turn off the alert.

Calling an Emergency Number

Your service provider programs one or more emergency phone numbers, such as 911 or 112, that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted.

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.

1 Tap ☏ in the top global navigation bar to display the phone keypad.

2 Tap the keypad keys to dial the emergency number.

3 Tap **Send** to make the call.

Dialing International Numbers

Alternatively, you can tap ⌄, tap **Insert**, then select **Insert +** to insert the local international access code.

Direct Dialing an Extension or Voicemail Number

To dial an extension or voicemail number directly, you can insert a pause (**P**) character into the dialing sequence.

1 Use the keypad to dial the phone number.

2 When you need to insert a pause, tap ⌄, tap **Insert**, then select **Insert Pause** to insert a **P** at the cursor location.

3 Dial the extension number.

4 Tap **Call** to make the call.

Your phone dials the phone number, waits for the call to connect, then dials the remaining digits.

Tip: Use the same procedure to insert a wait (**W**) character in the dialing sequence. Your phone dials the number,

waits for the call to collect, then prompts you for confirmation before it dials the remaining digits.

Dialing an Extension Number During a Call

1 Tap the keypad button ▦ to display the phone keypad.

2 Dial the extension number.

3 Tap 📞 to return to the on-call status screen.

Dialing Recent Calls

Your phone keeps lists of the calls you recently received and dialed, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new entries are added.

1 Tap ☎ in the top global navigation bar to display the phone keypad.

2 Tap 🖾 to open the recent calls menu.

3 Tap **Answered Calls**, **Missed Calls**, or **Dialed Calls** to view the corresponding call list.

4 Tap an entry to call the entry's number.

Calling With Turbo Dial

You can store up to 9 frequently used phone numbers in the turbo dial list, then dial the numbers by tapping and holding a single keypad number key.

Calling Features

To turbo dial a phone number:

1 Tap ↷ in the top global navigation bar to display the phone keypad.

2 Tap and hold a keypad key to dial the phone number assigned to the key.

If no number is stored, your phone prompts you to store a phone number in the turbo dial list.

To setup the turbo dial numbers list:

1 Tap ↷ in the top global navigation bar to display the phone keypad.

2 Tap ⌃, then tap **Setup** to open the setup menu.

3 Tap **Turbo Dialing** to open the turbo dial list.

4 Enter phone numbers in the turbo dial list.

Putting a Call On Hold

During a call, tap **Hold** to put the call on hold. Tap **Hold** again to resume the call.

Muting a Call

During a call, tap **Mute** to turn off your phone's microphone. Tap **Mute** again to resume the call.

Dialing Another Number During a Call

During a call, you can make a call to another phone number.

1 Tap the keypad button to display the phone keypad.

2 Tap the keypad keys to dial the phone number.

3 Tap **Send** to make the call.

When the new call connects, the first call is put on hold while you talk to the third party.

To switch between the 2 calls:

1 Tap ⌃, then tap **Switch** to put the current active call on hold and switch to the other call.

2 Tap **End** to end the current active call.

Transferring a Call

You can announce that you are transferring an active call to another party, or you can directly transfer the call.

Announce the Call Transfer

1 Tap **Hold** to put the call on hold.

2 Tap the keypad button ▦ to display the phone keypad.

3 Tap the keypad keys to dial the number where you are transferring the call.

4 Tap **Send** to make the call and speak to the person who answers.

5 Tap ⌃, then tap **Transfer to Hold**.

Do Not Announce the Call Transfer

1 Tap ⌃, then tap **Transfer**.

2 Tap the keypad keys to dial the number where you are transferring the call.

3 Tap **Send** to transfer the call.

Synchronizing Information

This chapter introduces basic concepts and features of MOTOSYNC using Exchange Server ActiveSync, explains how to synchronize remotely, and how to create a synchronization schedule. This chapter also gives an overview of the different types of Microsoft Outlook information you can synchronize.

Overview

You can synchronize information between your phone and your corporate Microsoft Exchange Server 2003 using MOTOSYNC on your A780 phone.

MOTOSYNC synchronizes the information on your phone with information on your Exchange Server 2003 email account and updates both the phone and server with the most recent information. This is accomplished all over-the-air using your current cellular service provider's network

With MOTOSYNC, you can:

- Synchronize `Email`, `Calendar`, and `Contacts` with the server so that you have the latest information, even when your desktop computer is turned off and you are out of the office.

- Control when synchronization occurs by selecting a synchronization schedule.

- Select what type of information is synchronized and control how much information is synchronized. For example, you can choose how many weeks of past appointments to synchronize.

Getting Started

Before you get started, connecting to a company server requires assistance from an IT professional. The following information is required to setup synchronization; contact you system administrator for assistance:

- Confirm your email is located on a Microsoft Exchange 2003 Server
- Verify the "Mobility" option is enabled for your Microsoft Exchange 2003 Server account
- User Name
- Exchange Server Name
- User Domain Name

In addition to contacting your system administrator, verify with your cellular service provider that you have data server activated with your account (additional fees for this service may apply).

Configuring MOTOSYNC

Once you have completed "Getting Started", you are ready to configure your phone and start synchronizing.

To configure your phone:

Home Screen > Command Bar > Extra > Sync > Menu > Exchange ActiveSync setup

Setting	Description
Enable Contact Sync	Select box if you want to sync primary contacts.
Enable Calendar Sync	Select box if you want to sync primary calendar.
Enable Email Sync	Select box if you want to sync primary email.
Sync Email from past	Always, 1Day, 3 Days, 1 Week 2 Weeks
Limit message size to	Ok, 5k, 10k, 20k, 50k
Email Address	Enter your email address.
Nick Name	Optional; user supplied nick name
Signature	Optional; user supplied email signature
Server Name	Fully qualified domain name of Exchange Server 2003. If needed, get help from your IT administrator.
User Name	Your Windows user name provided by your IT administrator.
Domain Name	Your Windows domain name for your corporate Exchange Server 2003.
Password	Your Windows password
Re-enter Password	Re-enter valid password to screen for input errors.

Setting	Description
Use HTTPS for security	Select box if your IT administrator requires a secure connection to the Exchange Server 2003
Select **Data Connection**	If there are multiple data connection profiles, select the preferred profile for synchronization.
Use Proxy	Select box if your carrier requires a proxy server for internet connections.
IP	IP address of your network provider. If needed, get assistance from your carrier.
Port	Port number for connection to network provider's proxy server
Shadow Notifications	Select box if you want to be notified when there is new data after synchronization.
Enable Auto Sync	Select the box if you want to have the phone automatically synchronize with the server at periodical intervals. This box acts as a toggle switch to quickly activate and deactivate auto sync without having to modify all the particular associated settings.

Setting	Description
In busy times sync	Busy time is that period of the day where you receive the bulk of your email. Select the automatic sync interval during busy times of the day from; Manual, When notified, Every 5 min., Every 10 min., Every 15 min., Every 30 min., Every 1 hour, Every 2 hours, Every 4 hours, Every 24 hours.
In non-busy times sync	Select the automatic sync interval during non-busy times of the day from; Every 5 min., Every 10 min., Every 15 min., Every 30 min., Every 1 hour, Every 2 hours, Every 4 hours, Every 24 hours.
Set busy time	Select the busy days of the week using the check boxes.
Start Time	Choose the time that your busy time of the day starts.
End Time	Choose the time that your busy time of the day ends.

Setting	Description
When roaming, sync	You may select different sync periods while roaming to moderate your data charges. Choose from; Manual, When notified, Every 5 min., Every 10 min., Every 15 min., Every 30 min., Every 1 hour, Every 2 hours, Every 4 hours, Every 24 hours.
Devise Addressing Options	Select the radio dial button of one of the 2 options: **Devise SMTP Address** - Select box if your notification service (e.g., SMS) is provided by your wireless carrier, provide the SMS address of your phone (e.g., 8471234567@carrier.net) **Exchange Provider**- If this device addressing option is selected, please complete the following fields: • **Mobile Phone Number** - Input your mobile phone number. • **Mobile Service Center**- Select the name of your mobile service provider (e.g., T-Mobile, CMCC) from the list provided.

Save the settings by selecting the button bar.

Synchronizing with MOTOSYNC

With your phone configured, to synchronize manually:

Home Screen > Command Bar > Extra > Sync > Exchange Active Sync

Upon selecting **Exchange Active Sync,** your phone will automatically begin synchronizing your email, contacts, and calendar.

MOTOSYNC Errors

Whenever MOTOSYNC cannot successfully synchronize your information, an error displays on your phone.

To view more information about an ActiveSync error

- Press **Action** when the error text is displayed. MTOSYNC will then display more information about the error that occurred.

- For more information about these errors and for troubleshooting tips, see the Appendix in the back of this guide

Note: Some types of errors can interfere with automatic synchronization. If you suspect that a scheduled automatic synchronization has not occurred, you should attempt to manually synchronize your information. Successfully completing manual synchronization resets automatic synchronization.

Messages

You can send and receive short text-based SMS messages, and multimedia MMS messages containing media objects such as photos, pictures, animations, sounds, voice records, and video clips.
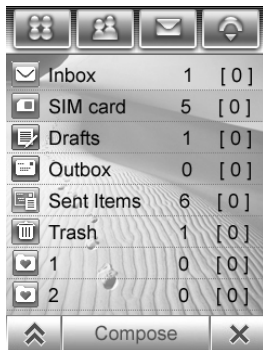
You can use instant messaging to exchange messages in real time with other wireless phone users.

Using the Message Center

Note: You must set up your message inbox **before** you can send and receive messages. Usually, your service provider has already set up the message inbox for you. For setup instructions, see page 84.

Tap ✉ in the top global navigation bar to go to the message center (shown at right).

Your messages are stored in different folders in the message center. The number to the right of each folder name indicates the number of messages it contains. Tap a folder to display its contents.

✉ Inbox	1	[0]
☐ SIM card	5	[0]
📝 Drafts	1	[0]
📤 Outbox	0	[0]
📑 Sent Items	6	[0]
🗑 Trash	1	[0]
💌 1	0	[0]
💌 2	0	[0]
⌃	Compose	✕

The message center contains the following folders:

Inbox – Stores SMS and MMS messages you have received.

Outbox – Stores your SMS messages that have not yet been sent.

SIM Card – Contains SMS messages stored on your SIM card. You can move these messages to other folders.

Drafts – Temporarily stores messages that you are still writing.

Sent Items– Stores copies of SMS messages you have sent.

Trash – Stores messages you have deleted. If you have not permanently deleted a message, you can retrieve it.

Personal Folder – A personal folder that you can rename and use as desired.

Setting Up Your Signature

You can store your signature, and manually or automatically append it to the messages you send.

1 Tap ✉ in the global navigation bar to go to the message center.

2 Tap ⌃, then tap **Signature Editing** to open the signature editing screen.

3 Tap the direct line in the **Signature Content** field to enter your signature.

4 If you want your phone to automatically append your signature to all outgoing SMS messages, tap the check box ☐ below the signature. A check mark ☑ indicates that automatic signature is activated.

5 Tap **Done** to store your signature.

Sending a Text Message

You can send an SMS *short text message* to other wireless phone users, and to email addresses.

To compose and send an SMS message:

1 Tap ✉ in the global navigation bar to go to the message center.

2 Tap **Compose**.

3 Tap the *message type* pull-down menu, then tap **SMS** to open the SMS message composition screen.

4 Tap ⌨, then tap a text entry method to enter text in the message field.

Alternatively, you can tap ⌃, then tap **Insert Quick Text** to insert a pre written quick text note in the message field.

5 To enter the message recipient(s), tap **To** to select numbers or addresses from your address book, or tap the direct line in the **To** field to enter a phone number or email address.

6 Tap **Send** to send the message.

When composing an SMS message, you can tap ⌃ to perform various operations on the message prior to

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sending it. The SMS menu can include the following options:

Option	Description
Load	Insert a quick text note or auto-signature in the message.
Save To	Save the message to the **Drafts** folder.
Send Options	**Receipt Request**: Request a delivery report for the message.
	Expire After: Set the expiration time for an undelivered message.
Delete	Delete the message.

Sending a Multimedia Message

For instructions on how to send an MMS multimedia message, see page 33.

Viewing the Status of Unsent Messages

Outgoing SMS messages that failed to send or have not yet been sent are stored in the outbox.

On the message center screen, tap **Outbox** to display its contents. Messages in the outbox are sorted from newest to oldest.

Tap a message to read it. You can edit the message while it is open.

Tips For Sending Messages

- When you enter an SMS text message, a counter at the top right corner of the display shows the number of characters left on the current page, and the number of pages you have written (*character #*/*page #*). Network charges are based on the number of pages sent.

- When you enter an MMS multimedia message, a counter at the top of the display shows the current message size in kilobytes. Another counter shows the number of pages.

- When you manually enter phone numbers and/or email addresses in the **To** field, you must insert a comma between each entry.

Receiving a Message

Your phone displays the ✉ **Prompt** icon in the global navigation bar to notify you that you have received a new SMS or MMS message.

Tap ✉ to display message list.

For an SMS message, tap **Read** to read the message. Tap ↩ to return to the previous screen without reading the message. The message is stored in the inbox.

For an MMS message, tap **Download** to download the message to your phone. Tap ↩ to return to the previous screen without downloading the message.

When you download an MMS message:

Messages

- Tap $\mathbf{i}$ to display message details (sender, subject, time, and size).

- Tap $\textcircled{\tiny\blacktriangleright}$ to play the message.

- Tap **Reply** to send an MMS reply to the message.

- Tap $\hat{\wedge}$ to perform various operations on the message. The received MMS message menu can include the following options:

Option	Description
Reply By SMS	Send an SMS reply to the message.
Save Object	Save a media object in the message.
Save As Quick Card	Save the current MMS page as a quick card. You can insert the quick card into MMS messages that you compose.
Move To Folder	Move the message to another message center folder.
Delete Message	Delete the message.

When your phone displays **Memory is Full!**, you must delete some existing messages from your inbox, outbox, or drafts folder to receive new messages.

Reading and Replying to Messages

Messages that you receive are stored in the inbox.

On the message center screen, tap **Inbox** to display its contents. Messages in the inbox are sorted from newest to oldest.

Tap a message to read it. Your phone displays the sender's name (if stored in your address book) or phone number, the message contents, and the time it was sent.

- Tap **Reply** to send an SMS or MMS reply to the message (depending on the received message type).
- Tap ↵ to return to the previous screen without making any changes.

Tap ⋀ to perform various operations on the message. The received SMS message menu can include the following options:

Option	Description
Reply With Content	Include a copy of the original message in your reply.
Forward	Open a copy of the message, with an empty **To** field.
Save	Save the sender's phone number or email address.
Delete	Delete the message.

Storing an Object From a Multimedia Message

To store a media object contained in a multimedia message, tap and hold the object

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to open a pop-up menu, then select **Save** to store the object on your phone.

If the object is contained in a message attachment, tap the attachment and select **Save** to store the object.

Viewing Messages

On the **Inbox**, **Outbox**, or **Trash** screen, tap 🖹, then tap **View** to select a view mode. You can choose to sort messages by **Name**, **Subject**, or **Time**.

Viewing Draft Messages

Messages that you are still writing are stored in the drafts folder.

On the message center screen, tap **Drafts** to display its contents. Tap a message to read it. You can edit the message while it is open, and then send it immediately.

Viewing Deleted Messages

Messages that you delete are stored in the trash folder.

On the message center screen, tap **Trash** to display its contents. Tap a message to read it. You can edit the message while it is open.

Tap **Empty** to permanently delete all messages in the trash folder.

Viewing Messages on Your SIM Card

On the message center screen, tap **SIM Card** to display the messages stored on your SIM card. Tap a message to read it. You can edit the message while it is open.

Creating and Using a Personal Folder

You can create one or more personal folders to store your messages, and lock your personal folders to prevent other users from reading the messages stored in them.

To create a personal folder:

1 Tap ✉ in the global navigation bar to go to the message center.

2 Tap ⌃, then tap **New Folder**.

3 Tap the direct line in the **Name** field to enter a name for the folder.

4 To lock the folder to prevent unauthorized access, tap the check box ☐ below the name to **Protect by Phone Lock Code**. A check mark ☑ indicates that the folder lock feature is activated.

5 Tap **Done** to save the folder.

The personal folder is listed on the message center screen along with your other folders. If the personal folder is locked, your phone prompts you to enter the phone unlock code when you try to open the folder or

move a message to it. Enter your unlock code to open the folder.

To edit a personal folder, open it and tap ⋏, then tap **Folder Setup**. You can change the folder name, and turn the folder lock feature on or off as desired.

To delete a personal folder, open it and tap ⋏, then tap **Delete the Folder**. Tap **OK** to confirm the deletion.

Note: You must remove all messages from a personal folder in order to delete it.

Moving Messages Between Folders

You can move messages between folders as desired. For example, you can move a message from the inbox to the SIM card folder and take it with you when you use your SIM card in another phone, or move it to a locked personal folder to prevent others from reading it.

To move a message to a new folder:

1 Tap ✉ in the global navigation bar to go to the message center.

2 Open the folder that contains the message you want to move.

3 Tap and hold the message to open a pop-up menu, then select **Move to Folder**.

4 On the move to folder screen, select the folder to which you want to move the message.

5 Tap **OK** move the message to the selected folder.

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Setting Up the Message Inbox

1 Tap ✉ in the global navigation bar to go to the message center.

2 Tap ⋀, then tap **Service Setup**.

3 Tap **Short Message** or **Multimedia Message** to configure your SMS or MMS inbox settings as described below.

4 When you are finished, tap **OK** to save your settings.

SMS Setup Options

Note: Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

Option	Description
Servce Number	Number of the service center that handles your outgoing text messages.
Expire After	Number of days your network should attempt to send undelivered text messages.
Use GPRS	Use a high-speed GPRS connection to send and receive text messages.
Send Email by SMS (Email Gateway)	Port number for the gateway that handles outgoing text messages sent to an email address.

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MMS Setup Options

Note: Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

Option	Description
Default Profile	Select an MMS network profile. (See next section to edit profile settings or create a new profile.)
Expire After	Number of days your network should attempt to send undelivered MMS messages.
Max Size	Maximum size of incoming multimedia message to be downloaded to your phone.
Show My Number	Send your number with outgoing MMS messages.
Allow Delivery Report	Send a delivery report for an incoming MMS message when requested.
Block Senders	Block incoming MMS messages from specific senders.

MMS Network Profile Setup

You can edit an existing MMS network profile or create a new MMS network profile.

1 Tap ✉ in the global navigation bar to go to the message center.

2 Tap ⌂, then tap **Service Setup**.

3 Tap **Multimedia Message** to open the MMS inbox setup editor.

4 Tap **Default Profile** to open the MMS profile list.

5 Tap an existing MMS network profile to edit its settings, or click **New** to create a new MMS profile.

6 When you are finished, tap **Done** to save your settings.

You must enter the following configuration settings. If necessary, contact your service provider to obtain the following information:

Option	Description
Profile Name	Enter the profile name.
MMSC	Select the server you want to use (information may be viewable only).
Network Profile	Select a network connection profile to connect to the Internet.
WAP Gateway	Gateway address for your WAP service provider.
Conn. Security	Set connection security level.
Conn. Type	Set connection type.

Setting Up Your Address Book

You can store a contact list of names, phone numbers, and email addresses in your phone's electronic address book.

Viewing Your Contact List

To see the names in your address book, tap 🖼 in the top application launcher bar to open the address book. To change the way your contact list is displayed, tap ⌃ and select **List View** or **Thumbnail View**.

Using Category Views

Defining categories for your contacts helps you manage address book information. You can classify contacts in different categories according to your communication needs, and display contacts by category. Your phone provides the following basic categories:

All – Lists all contacts from all categories.

Unfiled – Lists contacts that are not classified. This is the default category setting for new contacts.

SIM Card – Lists contacts stored on your SIM card.

When the contact list is displayed, tap the *category* button in the bottom button bar and select a category name to display only the contacts in that category.

Viewing and Editing Contact Details

1 When the contact list is displayed, tap a contact name to view its details.

2 Tap **Edit** to edit the contact. Your phone displays complete contact details.

3 To edit contact information, tap the direct line in the field you want to edit.

4 When you are finished editing contact information, tap **Done** to store your changes and return to the contact list.

Adding a New Contact

1 Tap in the top global navigation bar to open the address book.

2 Tap ⌃, then tap **New Contact**.

3 On the new contact screen (shown at right), tap the **Photo** field to assign a picture ID to the entry. Your phone displays the picture when you receive a call from this contact.

4 Tap the direct line in a field to enter contact details. Pull down the scroll bar to display additional fields.

5 To set a distinctive ring tone for the contact, tap the **Ring Tone** field and select **Browse**. Scroll to select the desired

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tone and tap **OK**. Your phone sounds the tone when you receive a call from this contact.

Note: The **Ring Tone** option is not available for contacts stored on the SIM card.

6 When you are finished entering information, tap **Done** to store the contact.

Tip: To store a contact on the SIM card, tap **Cat** to set the category, then tap **SIM** to store the contact to the SIM card. Your phone removes the information fields that cannot be stored on the SIM card.

Tip: Tap ↩ to exit without storing the contact.

Creating a Group

You can create a group mailing list consisting of multiple contacts stored in the address book. Groups make it easy for you to send a message to multiple recipients simultaneously.

1 Tap 🖼 in the top application launcher bar to open the address book.

2 Tap ⌃, then tap **New Distribution List**. Then tap **For Message** or **For Email** and tap **OK**. You must enter a name for the group, and the group must contain at least one member.

3 When you are finished entering information, tap **Save** to store the group.

Calling or Sending a Message to a Contact

1 Tap 📇 in the global navigation bar to open the address book.

2 Tap a contact name to view its details.

3 In the details list:

- Tap the phone number next to the call indicator 📱 to call the number.

- Tap the phone number next to the message indicator 📩 to send an SMS or MMS message to the number.

- Tap the email address next to the email indicator ▬ to send an email or MMS message to the address.

Calling a Contact with Fast Dial

For a contact stored in phone memory, you can store multiple phone numbers for a single contact (such as mobile, home, and work numbers). You can set one number as the fast dial number for the contact.

Note: If you do not set a fast dial number for a contact, the default fast dial number is the first valid phone number that appears in the contact details list.

To call the contact's fast dial number, simply tap and hold the contact name.

To set the fast dial number for a contact:

1 Tap the contact name to view its details.

2 Tap **Edit** to edit the contact. Your phone displays complete contact details.

3 Tap ⌃, then tap **Select Fast Dial**.

4 Your phone displays the phone numbers stored with the contact. Select the number you want to set as the fast dial number, then tap **OK**.

5 Tap **Done** to store the setting.

Setting a Category Ring Tone

You can set a distinctive ring tone for an address book category. Your phone sounds the tone when you receive a call from a contact in the category.

1 Tap 📇 in the global navigation bar to open the address book.

2 Tap ⌃, then tap **Category Setting**.

3 Tap the **Categories** field and select the category.

4 Tap the **Ringtone** field and select a ring tone.

5 Tap **OK** to store your settings.

Note: A ring tone for an individual contact overrides the category ring tone.

Searching for a Contact

1 Tap 📇 in the global navigation bar to open the address book.

2 Tap ⌃, then tap **Find Contacts**.

3 Select **Contact's Name**, **Number**, or **Other**, enter the desired information in the **Find For** field, then tap **Find**.

Your phone displays the search result, or notifies you that no match can be found.

To continue searching, tap **Fine New**.

To return to the contact list, tap ↵.

Deleting a Contact

1 Tap 📖 in the global navigation bar to open the address book.

2 Tap ⌃, then tap **Delete Contacts**.

3 Check the contact(s) you want to delete, then tap **Delete**.

4 Tap **OK** to confirm the deletion.

Copying Contacts

You can copy contacts between your phone and SIM card. This procedure does **not** delete the original contact.

Note: The SIM card can only store one phone number per contact; it cannot store multiple phone numbers and personal information for a single contact. When you copy an entry from the phone to the SIM card, your phone prompts you to specify the number you want to store for the contact.

1 Tap 📖 in the global navigation bar to open the address book.

2 Tap ⌃, then tap **Copy to SIM/Phone**.

3 Select **Phone to SIM Card** or **SIM Card to Phone**, then tap **OK**.

4 Check the number(s) you want to copy. If you copy from the SIM card to phone memory, specify the number type.

5 Tap **OK** to copy the numbers to the new location.

Note: The number of entries you can store on your SIM card depends on the SIM card capacity. The types of entries that can be copied to the SIM card may vary depending on the function of the SIM card.

Checking Address Book Capacity

You can display the number of address book entries currently stored on the phone and SIM card, and the total number of entries you can store on the SIM card.

1 Tap 🖼 in the application launcher bar to open the address book.

2 Tap ⌃, then tap **Memory Status**. Your phone displays the number of phone and SIM card contacts, and the SIM card capacity (*number of contacts*).

3 Tap **OK** to return to the address book.

Sharing Contact Information

You can share contact information with others by sending the data as a vCard to another phone, computer, or hand-held device.

1 Tap ▦ in the global navigation bar to open the address book.

2 Tap the name of the contact you want to send. Your phone displays contact details.

3 Tap ⌃, then tap **Share Via**.

4 Tap **Bluetooth**, then tap **OK** to exchange the data through a Bluetooth® wireless connection. Tap **MMS** or **Email**, then tap **OK** to send the contact data in an MMS or email message.

5 Complete the setup procedure for the transfer method you selected.

6 Tap **OK** to send the contact information in a vCard.

For more information about using a Bluetooth wireless connection, see page 39.

Viewing and Editing Owner's Information

You can store information about yourself in the address book. Then, if you lose your phone, the person who finds it can contact you to return the phone.

1 Tap ▦ in the global navigation bar to open the address book.

2 Tap ⌃, then tap **Owner's Information**.

3 If owner's information is stored, the phone displays the owner's contact details. Tap **Edit** to edit the owner's information.

4 If owner's information is not stored, the phone displays the owner's information entry screen. Enter information as you would for a new contact (see page 88.)

5 When you are finished entering information, tap **Done** to store the owner's information.

Email

You can send and receive email messages with your wireless phone.

Tip: You must have an Internet connection to send and receive email messages. If necessary, see page 152 for information on how to set up a network connection profile.

Using Mailboxes and Folders

Note: You must set up your email mailbox **before** you can send and receive email messages. Usually, your service provider has already set up the email mailbox for you. For setup instructions, see page 100.

Tap ✉ **Email** in the application launcher screen to launch the email application.

Email messages are stored in different folders in your email mailbox.

Inbox – Email messages you have received.

Outbox – Your email messages that have not yet been sent.

You may have additional folders in an email mailbox, such as **Drafts**, **Sent Items**, **Trash**, and/or personal folders that you create.

If you have separate mailboxes for different email accounts, tap the **Mailbox** field at the top of the email

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message screen to select the mailbox you want to use. Your phone displays the folders associated with the selected mailbox.

Sending an Email Message

You can send an email message to one or more recipients. You can manually enter each recipient's email address, or select addresses from the address book.

When you manually enter email addresses, you must insert a comma, semicolon, or colon between each address.

To compose and send an email message:

1 Tap 🖂 **Email** in the application launcher screen to launch the email application.

2 Tap 仌 then **New Email** to open the email message composition screen.

3 To enter the message recipient(s), tap **To** to select numbers or addresses from your address book, or tap the direct line in the **To** field to enter a phone number or email address.

4 Tap the direct line in the **Subject** field to enter a subject for the message.

5 Tap 📖, then tap a text entry method to enter text in the message field.

Alternatively, you can tap 仌, then tap **Insert Quick Text** to insert a prewritten quick text note in the message field.

6 Tap **Send** to send the message.

When composing an email message, you can tap ⌃ to perform various operations on the message prior to sending it. The email message menu can include the following options:

| Option	Description
Save to draft	Save the message to the **Drafts** folder.
Insert Signature	Append your signature to the end of the message.
Cc & Bcc options	Display **Cc** and/or **Bcc** header fields to carbon-copy or blind-carbon-copy the message to additional recipients.
Attachments	Attach a contact, calendar event, task, or media object to the message.
Priority	Set message priority.
Delete Attachment	Delete message attachments.

Receiving an Email Message

Email messages that you receive are stored on your service provider's email server until you download them to your phone.

Your phone displays the ✉ **Prompt** icon in the global navigation bar to notify you that you have received a new email message.

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Tap ✉ to display message details (sender, subject, time, and size). Tap **Download** to download the message to your phone. Tap ↵ to return to the previous screen without downloading the message.

When you download an email message:

- Tap ⁝ to display message details (sender, subject, time, and size).

- Tap the message to read it.

- Tap **Reply** to send an email reply to the message.

- Tap ⌃ to perform various operations on the message. The received email message menu can include the following options:

Option	Description
Save File	Save a media object attached to the message.
Move To Folder	Move the message to another folder.
Delete Message	Delete the message.

Reading, Copying, or Moving Email Messages

The procedures for reading, copying, or moving email messages are similar to the corresponding message center procedures. See page 74 for more information.

Creating and Using a Personal Folder

The procedures for creating and using a personal folder are similar to the corresponding message center procedures. See page 82 for more information.

Setting Up the Email Mailbox

If the phone cannot locate your email mailbox, it opens the mailbox setup screen for you to configure your mailbox settings.

Automatic Mailbox Setup

1 Select your email service provider from the mailbox setup list, then tap **OK**.

2 Enter your **User Name** and **Password** in the appropriate fields, confirm your password in the **Reenter Password** field, then tap **OK**.

3 To edit email sending, receiving, signature, connections options, tap the mail box name you wish to edit. Then enter settings as described in the following section.

Manual Mailbox Setup

If your service provider is not listed on the mailbox setup list, you can manually set up your email mailbox as follows:

1 Tap **Setup Manually** on the mailbox setup screen to manually enter email settings, then tap **OK**.

2 Tap the **Mailbox Name** field and enter your mailbox name.

3 Tap **Send Setup** and **Receive Setup** to configure your email sending server and receiving server settings as described below.

4 Tap **Signature Setup**, If you want your phone to automatically append your signature to all outgoing email messages, tap the check box ☐ next to **Add signature to all outgoing messages**. A check mark ☑ indicates that automatic signature is activated.

5 Tap the signature field and enter your signature.

6 Tap **OK** to save your signature.

7 Tap **Connections Setup**, then select the type of connection desired and tap OK.

8 Tap **Done** to store your mailbox settings.

Tip: You can set up separate mailboxes for different email accounts. If you do not assign a name on the mailbox setup screen, your phone assigns a different name (**Mailbox 1**, **Mailbox 2**) to each mailbox.

Send Setup Options

Note: Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

Setting	Description
Server	IP address or host name that handles your outgoing email.
Port	Port number for sending host.

Setting	Description
Email	Your email address.
Nickname	Name to be inserted before your return address, if desired.
Authentication	Set **Authentication** to **On** if you need a user name and password to access your outgoing email server.
	Select **Same as Receive** if user name and password are the same as for your incoming email server.
	Otherwise, enter your outgoing email server **User Name** and **Password**, and confirm your password in the **Reenter Password** field.

Receive Setup Options

Note: Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

Setting	Description
POP3 or **IMAP**	Select the protocol to communicate with the receiving host: **POP3** or **IMAP**.
Server	IP address or host name that handles your incoming email.

Setting	Description
Port	Port number for receiving host.
User Name	Your user name.
Password	Your user password.
Reenter Password	Confirm your user password.
Check All Folders	Select to check all folders for email. Set the **Root Folder Path** that your phone should search.
Save Special Folders	Select to specify additional email folders. You can set the **Sent Items Path** and the **Drafts Path**.
Messages Size Limitation	Maximum size of an email message to be downloaded to your phone.
Keep on Server	Select to save copies of your email messages on the remote server. (For POP3, prevents message deletion on remote server after message is downloaded to your phone. For IMAP, prevents message deletion on remote server after message is deleted on your phone.)

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Personalizing Your Phone

Setting the Display Language

Set the language in which phone features and menu options are displayed.

1. Tap ✕ **Setup** in the application launcher screen, then tap **Language**.

2. Select the language you want to use, or select **Automatic** to let your phone select the language based on your current location.

3. Tap **Save** to save your language selection.

Tip: Tap ↵ to return to the setup screen without saving your changes.

Setting Sound Volume

Set the volume of your phone's system sounds, incoming call ring tones, and event notification alerts.

1. Tap ✕ **Setup** in the application launcher screen, then tap **Sound Volume**.

2. Tap an item to open its sound setup screen.

3. Adjust the sound volume, and any other sound-related settings (if available).

4. Tap **Done** to save your settings.

Tip: Tap ↩ to return to the setup screen without saving your changes.

Adjusting Text Input Settings

Adjust settings related to entering text characters on the touchscreen display. You can set your preferred input method, primary and secondary language preferences, specify your writing hand (left or right) and handwriting speed, activate word recognition and a user dictionary, and apply a watermark to the text you enter.

Tap ✕ **Setup** in the application launcher screen, then tap **Input setup** to open the input setting screen. Adjust settings as necessary, then tap **Save** to save your settings and return to the setup screen.

Calibrating the Touchscreen Display

You should re-calibrate the touchscreen if the phone begins to respond incorrectly to your stylus input on the touchscreen display.

1 Tap ✕ **Setup** in the application launcher screen, then tap **Screen calibration**.

2 Follow the on-screen instructions and tap the center of the symbol with your stylus as instructed, until the phone indicates that the touchscreen display is properly calibrated, then tap **Ok**.

Resetting All Options

Reset all options back to their original factory settings, **except** for the unlock code, security code, and lifetime timer.

1 Tap ✕ **Setup** in the application launcher screen, then tap **Master Reset**.

2 Enter your security code when prompted, and then tap **OK**.

3 Tap **OK** to confirm that you want to perform master reset.

Tip: Tap **Cancel** to exit without performing the master reset procedure.

Clearing All Stored Information

Clear all user settings and entries, **except** for information stored on the SIM card, erase all downloaded pictures and sound files, and reset all options back to their original factory settings, **except** for the unlock code, security code, and lifetime timer.

Caution: Master clear **erases all user-downloaded content and user-entered information** stored in your phone's memory, including address book and calendar entries. After you erase the information, you cannot recover it. Master clear does **not** delete any information stored on the SIM card.

1 Tap ✕ **Setup** in the application launcher screen, then tap **Master Clear**.

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2 Enter your security code when prompted, and then tap **OK**.

3 Tap **OK** to confirm that you want to perform master clear.

Tip: Tap **Cancel** to exit without performing the master clear procedure.

Getting More Out Of Your Phone

Viewing Recent Calls

Your phone keeps lists of the calls you recently received and dialed, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new entries are added.

1 Tap ✆ **Recent** in the application launcher screen to display the recent calls screen.

2 Tap **Answered Calls**, **Missed Calls**, or **Dialed Calls** to view the corresponding call list.

3 Tap an entry to display call details.

4 Tap **Call** to call the entry's number, or tap ⌃ to perform various operations on the entry:

Option	Description
Store	Create an address book entry with the number stored in the number type field you specify.
Send SMS	Open a new text message with the number in the **To** field.
Send MMS	Open a new multimedia message with the number in the **To** field.
Delete	Delete the entry.

Making a Conference Call

Connect an active call and a call on hold so that all parties can speak to each other.

1 Tap ✆ in the global navigation bar to display the phone keypad.

2 Tap the keypad keys to dial the first party's number.

3 Tap **Call** to make the call.

4 When the call connects, tap the keypad button ▦ to display the phone keypad.

5 Tap the keypad keys to dial the next party's number.

6 Tap **Call** to make the call.

7 When the call connects, tap **Link** to connect the 2 calls.

Tip: Repeat steps 4 to 7 to add additional parties to the conference call.

Forwarding Calls

Forward your phone's incoming voice, fax, and/or data calls directly to another phone number.

1 Tap ✆ in the global navigation bar to display the phone keypad.

2 Tap ⌃, then tap **Setup** to open the phone setup menu.

3 Tap **Call Divert**, then select the type of calls you want to forward: **Voice Calls**, **Fax Calls**, or **Data Calls**.

The forwarding options for voice calls are:

Option	Description
All Voice Calls	Forward all calls.
When Unavailable	Forward calls if your phone is unavailable.
When Busy	Set a forwarding number for when your phone is busy (voice calls only).
When Unreachable	Set a forwarding number for when your phone is out of range (voice calls only).
When No Answer	Set a forwarding number for when you are unable to answer (voice calls only).
Cancel All Diverts	Do not forward calls.

Note: Repeat this procedure to enter forwarding information for other call types. Fewer forwarding options are available for fax calls and data calls.

Barring Calls

Use call barring to restrict outgoing or incoming calls. You can restrict all calls, calls to international numbers, or calls while roaming.

1 Tap **🔒 Security** in the application launcher screen, then tap **Call Barring**.

2 Tap **Outgoing Calls** or **Incoming Calls** to select a restriction setting for outgoing or incoming calls.

3 Enter your call barring code when prompted, then tap **OK**.

4 Tap **Save** to save your settings.

Using Fixed Dialing

When you turn on fixed dialing, you can only call numbers stored in the fixed dial list. Use this feature to limit outgoing calls to a predefined list of numbers, country codes, area codes, or other prefixes.

1 Tap **🔒 Security** in the application launcher screen, then tap **Fixed Dialing**.

2 Enter your SIM card PIN2 code when prompted, then tap **OK**. Your phone displays the fixed dial list, and indicates whether fixed dial is currently turned **On** or **Off**.

3 Tap **On** or **Off** to turn fixed dialing on or off.

4 Tap **Save** to save your settings.

Fixed dial entries are stored on your SIM card. When fixed dialing is turned on, your address book displays only contacts stored in phone memory, and entries stored on the fixed dial list.

You create and edit a fixed dial entry just like an address book contact. You can enter a wildcard character ^ in one or more positions for a phone number stored as a fixed dial

entry. A wildcard character can be replaced by any digit when the user dials the number.

Monitoring Phone Use

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 **End**. 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.

To view and adjust phone call meters:

1 Tap ✆ in the global navigation bar to display the phone keypad.

2 Tap ⌃, then tap **Setup** to open the setup menu.

3 Tap **Call Meters** to open the call meters menu.

Viewing and Resetting Call Timers and Cost Trackers

The following call timers and cost trackers display on the call meters menu:

Option	Description
Total Call Cost	Amount spent on dialed and received calls since the last time you reset the cost tracker.
Total Call Time	Approximate total time spent on dialed and received calls since the last time you reset the call timer.
Call Lifetime	Approximate total time spent on all calls on this phone. You cannot reset this timer.

To reset the call timer, tap **Clear Call Timer**.

To reset the cost tracker, tap **Clear Call Cost**.

Using a Timer During a Call

To set a timer to beep at specified intervals during a call, tap **Audible Timer** and select one of the following options: **Off**, **1 Minute**, **5 Minutes**, **10 Minutes**, or **15 Minutes**.

To display time or cost information during a call, tap **Display** and select one of the following options:

Option	Description
Timer	Display the approximate elapsed time for the current call.
Cost	Display the cost of the current call (if you subscribe to a call cost option or advice of charge).
Total Cost	Display the cost of all calls since the last time you reset the cost tracker (if you subscribe to a call cost option or advice of charge).
Credit	Display how much credit you have left (if you subscribe to a call cost option or advice of charge).
Off	No in-call timer display.

Adjusting Call Cost Settings

You can set a credit limit so that the phone displays your remaining credit during calls. The phone notifies you when you near your limit, and ends the call when you reach it.

Tap **Call Cost Setup**, and enter your SIM PIN2 code to open the cost setup menu.

You can enter a credit limit, and set the phone to display your remaining credit in time units or as a currency value.

Viewing Credit Information

If you subscribe to an advice of charge option, tap **Available Credit** to view the amount of credit available.

Using Handsfree Features

Your phone includes an integrated handsfree speaker that you can use for handsfree applications. For instructions on how to use the handsfree speaker, see page 52.

You can also purchase an optional Motorola Original™ handsfree car kit, speakerphone, or headset for your phone. These accessories provide alternative ways for you to use your phone without using your hands.

If the accessory supports Bluetooth® wireless connections, you can setup a Bluetooth wireless link with your phone (see page 39).

Note: The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Adjusting Bluetooth® Accessory Settings

If a Bluetooth headset or car kit accessory supports remote volume control, you can use your phone's volume

keys to set the device's speaker volume during a handsfree call.

Activating Auto Answer

Set your phone to automatically answer calls after 2 rings (4 seconds) when using the handsfree speaker, or when the phone is connected to a headset, car kit, or external speakerphone.

1 Tap 📞 in the global navigation bar to display the phone keypad.

2 Tap 🔦, then tap **Setup** to open the phone setup menu.

3 Set **Auto Answer** to **On** to activate auto answer.

4 Tap **Ok** to save the setting.

Activating Flip Answer

Set your phone to automatically answer calls when you open the flip.

1 Tap 📞 in the global navigation bar to display the phone keypad.

2 Tap 🔦, then tap **Setup** to open the phone setup menu.

3 Set **Flip Answer** to **On** to activate auto answer.

4 Tap **Ok** to save the setting.

Sharing Information

You can share information with another phone, computer, or hand-held device. You can share address book entries, calendar events, tasks, note pad entries, voice records,

pictures, photos, and sound files by sending or receiving the data through a Bluetooth wireless connection, or in an MMS or email message.

Sending Data

1 Select the data you want to send, tap ⌃, then tap **Share** to display a list of share options.

2 Tap **Bluetooth**, then tap **OK** to exchange the data through a Bluetooth wireless connection. Tap **MMS** or **Email**, then tap **OK** to send the data in an MMS or email message.

3 Complete the setup procedure for the transfer method you selected.

4 Tap **OK** to send the data.

For more information about using a Bluetooth wireless connection, see page 39.

Receiving Data

The sending device must establish a transmission link with your phone through a Bluetooth, MMS, or email connection.

Note: If necessary, activate Bluetooth on your phone to let the other device establish a wireless link.

Your phone alerts you when it receives a data transfer request from the other device. If necessary, tap **OK** to accept the data.

Your phone notifies you when data transfer is complete. If the transfer is not successful, your phone displays the message **Failed to Receive**.

Using Sync

You can synchronize your phone and SIM address book entries, calendar events, and tasks with another phone, computer, or hand-held device using a cable connection, or with an Internet server using an *over-the-air* (OTA) connection.

Using a Cable Connection

Notes:

- To transfer data between your phone and computer, you must install the software included with the Motorola Original data kit. See the data kit user's guide for more information.

- You can synchronize data between your phone and external device with BVRP mobile PhoneTools software, an accessory for Motorola phones. See the mobile PhoneTools user's guide for more information.

  BVRP mobile PhoneTools software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

- Due to a known Microsoft® Windows® USB driver issue, a computer running Windows 2000 with Service Pack 1 or Service Pack 2 will not recognize a memory card (SD card) inserted into your phone when you attempt to transfer or synchronize data between your phone and computer through a USB cable connection.

Use a Motorola Original USB cable to connect your phone to the external device. Open the protective cover and plug the USB cable into the USB connector port on your phone as shown. Plug the other end of the cable into the USB port on the device.

Insert USB Cable Here

Note: Not all devices are compatible with a cable connection. Check your computer or hand-held device to determine the type of cable you need.

Tap ⌕ **Sync** in the application launcher screen, then tap **USB Cable**.

Your phone notifies you when data synchronization is complete, and displays a sync information screen. If synchronization is not successful, your phone displays the message **Sync Failed**.

Using an OTA Connection

You must create an Internet sync partner to synchronize your data over an OTA connection.

Tap ⊠ **Sync** in the application launcher screen, tap ⌃, then tap **OTA Setup** to configure your OTA connection settings as follows:

Option	Description
Paths:	Locations and names of the folders (beneath the URL path) where your **Address Book**, **Calendar**, and **Tasks** data files are stored on the server
Server URL	The URL for the server (you can omit **http://**)
User	User name to log on to the server
Password	Password to log on to the server
Re-Enter	Re-enter your password to log on to the server

To synchronize phone data with your Internet sync partner, tap ⊠ **Sync** in the application launcher screen, then tap **OTA**.

Your phone attempts to make a sync connection with the sync partner. This might take several minutes, if there are many entries to synchronize.

Your phone notifies you when data synchronization is complete, and displays a sync information screen. If synchronization is not successful, your phone displays the message **Sync Failed**.

Using a Modem Connection

You can use your phone as a modem, to connect your computer to the Internet or transfer data to/from the computer. To use the phone as a modem, you must connect it to the computer using a cable connection or wireless Bluetooth connection.

Tip: To connect your phone to the computer through a Bluetooth connection, make sure that your computer supports Bluetooth and has the correct drivers installed.

To access the Internet through a data call, configure the phone modem just as you would a standard computer modem.

1 Tap ☕ **Modem** in the application launcher screen to display the modem setup screen.

2 Tap **Use** to select **USB Cable**, or **Bluetooth** as your connection method.

 Tip: If you use a serial cable for data transmission, tap **Baud Rate** and specify a baud rate for the connection.

3 Tap **Find Device** to complete the modem connection.

When your phone indicates **Modem Status: Ready**, use your computer to access the Internet or transfer data just as you would with a standard computer modem.

Sending a Data Call

1 Open the application (such as dial-up-networking) on your computer, and place the call through the application.

> **Note:** You cannot dial data numbers on your phone's keypad. You must dial them through the computer.

2 When the data transfer is complete, end the call from the connected device to close the connection.

Receiving a Data Call

1 Your phone notifies you when the data call arrives, and transfers the call to the connected device. Use the application running on the device to answer the call.

2 When the data transfer is complete, end the call from the connected device to close the connection.

Adjusting Network Settings

Your service provider registers your phone to its network. In some situations, such as using the phone as a modem or connecting it to a TTY device, you may need to change the network registration.

Note: Some settings and/or options described in this section may not be available for all phone models.

To view and adjust network settings:

1 Tap 📞 in the global navigation bar to display the phone keypad.

2 Tap ⌃, then tap **Setup** to open the setup menu.

3 Tap **Network Setup** to open the network setup menu.

Adjusting Network Search Setup Values

Set how your phone searches for a network connection.

Tap ⌃, then tap **Search Setup** to open the network search setup menu.

Network search frequency **Band** options:

Option	Description
900/1800	900/1800 MHz bands (common in Europe and Asia).
850/1900	850/1900 MHz bands (common in North and South America).
Automatic	Scan for networks in all frequency bands.

Network search **Type** options:

Option	Description
Automatic	Scan for networks automatically based on priority.
Manual	View a list of all networks from which you can choose.

Network search **Speed** options:

Option	Description
Slow	Slowest network search and repeat rate.
Medium	Medium search/repeat.
Fast	Fast search/repeat.
Continuous	Continuous search until a network is found.

Viewing the Current Registered Network

Tap **Current Network** to display the current network ID.

Listing All Networks

Tap **Available Networks** to display a list of available networks, and register your phone with a network.

Setting Preferred Networks

You can create a preferred networks list, so that the phone searches for networks by your preference.

Tap **Preferred Networks** to display the preferred networks list.

Your home network is always the first entry in the list. Other network entries are sorted by preference.

Tap and hold on the network name to open a pop-up menu to perform various operations on the entry.

Option	Description
Reorder	Move the entry up or down in the preferred network list.
Register	Register with the network.
Delete	Delete the entry.

Tap ⌃ to add a new entry to the preferred network list.

Listing Known Networks

Tap **Known Networks** to display a list of all known networks.

Managing Your Files

The file manager application makes it easy for you to create personal folders to store and manage your files and applications.

Tap 📁 **File Manager** in the application launcher screen to open the file manager.

Your phone lists the available storage devices (such as **Phone** memory, and an optional removable **SD Card** memory card). Tap a storage device to display the root directory for the device.

Your phone includes several predefined folders:

My Camera	Stores photos you take with your phone's **Camera**.
My Voice	Stores voice records you create with the **Recorder** application.

Note: Your phone's files and folders may differ from those listed above. Refer to your phone for details.

Editing Files and Folders

Tap and hold a file or folder to open a pop-up menu to perform various operations on the file/folder. The edit menu can include the following options:

Option	Description
Open With	Specify the application your phone should use to open the file (files only).
Install	Install the selected file (files only).
Copy or **Cut**	Copy or cut the file or folder to the clipboard. (Tap ⋏, then tap **Paste** to paste the clipboard contents in the current folder.)
Move To	Move the file or folder to a new location.
Rename	Rename the file or folder.
Delete	Delete the file or folder.

Option	Description
Share	Send the file to another phone, computer, or hand-held device (files only).
Properties	Display information about the file or folder.

Creating a New Folder

1 Tap ⬒ **File Manager** in the application launcher screen to open the file manager.

2 Tap ⌃ .

3 Tap **New Folder**

4 Enter a name for the folder.

5 Tap **Save** to save the folder.

Viewing

To change the way your files and folders are displayed, tap ⌃ and **Thumbnail**.

Sorting

To change the way your files and folders are sorted, tap ⌃ and select **Sort by**. You can sort files or folders by **Name**, **Size**, **Time**, or **Type**.

Searching

To search for a specific file:

1 Tap ⌃ and select **Search**.

2 Enter the name of the file in the **Files Name** field.

3 Specify the type of the search in the **File Type** field.

4 Tap **Save** to begin the search.

If the file is found, the filename is listed. Tap the filename to open the file. Tap and hold the filename to display the file path.

If the file is not found, tap **Dismiss** to return to the file manager screen, or tap **Retry** to try another search.

Viewing a Folder Tree

Tap the folder tree icon in the file manager screen to display the folder structure and organization of your phone, SIM card, or storage device connected to the phone.

Using a Removable Memory Card

You can use an optional removable memory card (SD card) with your phone to store and retrieve multimedia objects (such as photos and music files), address book entries, calendar events, messages, and other phone files. To install a memory card, see page 22.

Tap **File Manager**, then tap the memory card's name to display its root directory. Tap ⌃ to perform various

operations on the memory card. The storage device menu can include the following options:

Option	Description
Search	Search for a file or folder on the storage device.
Thumbnail	View storage device contents in a text-based **List** or graphic icon **Thumbnail** format.
Sort By	Change the way files and folders are sorted.
Paste	Paste the clipboard contents at the current location.
Delete All	Delete all storage device contents.
Format	Format the storage device.
Properties	Display information about the storage device.

Using Voice Instruction

You can use voice instructions to perform many basic phone functions. To use voice instructions with your phone, you must load the voice recognition application each time you turn on the phone.

Loading Voice Recognition

You must load the voice recognition application to use voice instructions with your phone.

Press and hold the PTT key on the right side of your phone until the **Loading VR** message displays on the screen to indicate that voice recognition is loading.

When your phone displays **VR Loading Complete**, you can start using voice instructions. If your phone indicates that loading failed, try again to load the voice recognition application.

Using Voice Recognition

After loading the voice recognition application on your phone, press and hold the PTT key on the right side of your phone until the phone sounds an alert tone. Speak a voice instruction as described below, then release the PTT key to perform the corresponding function.

The voice instruction function operates in 2 modes: name/instruction mode, and digit mode. The default operating mode is name/instruction. When you speak the command "Open Digit Dial" or "Open Dial Pad," your phone switches to digit mode so you can speak the phone number you want to dial.

Note: Your phone remains in digit mode for a few seconds after each number recognition, and then automatically returns to name/instruction mode.

Voice Instructions

Press and hold the PTT key, and speak the voice instruction as described to perform the corresponding function.

"*contact name* + Mobile (Cellphone, Call) / Work (Office) / Home" – Your phone displays the corresponding number listed in your address book. Press the PTT key to dial the number.

"Open Digit Dial / Open Dial Pad" – Puts your phone in digit mode to dial a phone number. When your phone displays the phone keypad, press and hold the PTT key and speak the phone number you want to dial. Release the PTT key. Your phone recites the number you spoke, and displays the number on the keypad. If the number is correct, press the PTT key or speak **"Dial Out"** to call the number. If the number is incorrect, press and hold the PTT key and repeat the number you want to dial (within 10 seconds).

"Go Back / Exit" – Exit the current function screen. Return

"Redial" – Your phone recites the number you last dialed.

"Check New Messages / SMS" – Your phone recites the number of unread messages you have received, and recites the name or number of each sender. (Read messages are excluded from the number.)

"Check Missed Calls" – Your phone recites the number of missed calls you have received, and recites the name or number of each caller. (Missed calls that you have returned are excluded from the number.)

"Check Time" – Your phone recites the current time.

"Check Battery" – Your phone recites the percentage of battery power remaining.

"Check Signal" – Your phone recites the signal strength in percentage.

"Go to Homepage / Homepage" – Return to the application launcher screen.

Note: Continue to hold the PTT key when speaking a voice instruction. If your phone does not recognize a spoken voice instruction, it prompts you to repeat the instruction.

Reciting

When voice recognition is loaded, you can set your phone to recite messages, feature icon names, address book contacts, and contact details, and prompt you to speak a phone number that you want to dial. For more information, see the following section.

Setting Voice Command Options

Note: To use these functions, you must install the voice instruction application described in the previous section.

To set your phone to recite the messages you open:

1 Tap ✕ **Setup** in the application launcher screen, then tap **Voice Command**.

2 Set **Voice** to **On** to activate the message reciting function.

3 Tap **Done** to save your setting.

To set your phone to prompt you to speak a phone number you want to dial:

1 Tap ⌨ **Setup** in the application launcher screen, then tap **Voice Command**.

2 Set **Digit Prompt** to **On** to activate the audible digit prompt function.

3 Tap **Done** to save your setting.

Press and hold the PTT key, then speak the voice instruction **"Open Digit Dial"** to put your phone in digit mode. When the phone is ready, it prompts you to speak the phone number by reciting **"Please say digits, go back, or dial out."**

To set your phone to recite application launcher screen feature icon names, address book contact names, and detailed contact list items:

1 Tap ✕ **Setup** in the application launcher screen, then tap **Voice Command**.

2 Set **TTS** to **On** to activate the reciting function.

3 Tap **Done** to save your setting.

Personal Organizer

Calendar

You can use your phone's calendar to schedule and organize events such as appointments and meetings.

Note: You must set the correct time and date to use the calendar.

Tap ✎ **Calendar** in the application launcher screen to schedule or review calendar events.

Month View

The calendar initially displays a calendar for the month (shown at right).

Tap ◀ or ▶ to display the previous or next month.

An indicator in the lower right corner of the date box indicates that one or more events are scheduled for the

day. Tap the date box to display the day's events. Tap an event to display event details.

Personal Organizer

Week View

Tap the **Month** button in the bottom button bar, then select **Week** to display the week view (shown at right).

Tap ◁ or ▷ to display the previous or next week.

Filled boxes indicate scheduled events for the day. A filled column indicates a full-day event. Tap the day to display the day's events. Tap an event to display event details.
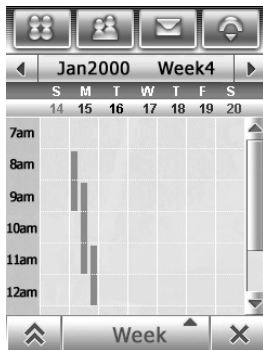
Day View

Tap a day in the month or week view to display the day's events (as shown at right).

Alternatively, you can tap the **Month** button in the bottom button bar, then select **Day** to display the highlighted day.

Tap ◁ or ▷ to display the previous or next day.

Tap an event to display event details.

Personal Organizer

Adding a New Event

Note: You must create an event to use the reminder alarm. Your phone must be turned on for the reminder alarm to sound.

1 Tap ✑ **Calendar** in the application launcher screen to open the calendar.

2 Tap the day to which you want to add an event. Your phone lists the day's events.

3 Tap ⌃ to open the new event editor (shown at right).

4 Tap the direct line in a field to enter event details. Pull down the scroll bar to display additional fields.

5 When you are finished entering information, tap **Done** to store the event.

Tip: Tap ↵ to exit without storing the event.

Editing an Event

1 Tap the event to display event details.

2 Tap **Edit** to open the event editor.

3 Tap the direct line in a field to edit its contents. Pull down the scroll bar to display additional fields.

4 When you are finished editing information, tap **Done** to store the event.

Personal Organizer

Deleting an Event

1 Tap the event to display event details.

2 Tap ⌂, then tap **Delete Event**.

3 Tap **OK** to confirm the deletion.

Alternatively, to delete an event, tap and hold the event title, then select **Delete** from the pop-up menu.

Dismissing an Event Reminder

When you set a reminder alarm for an event, the phone displays an event reminder and sounds a reminder alarm.

Tap **Snooze** to turn off the event reminder for a short period of time. The reminder displays again when the snooze period expires.

Tap **Done** to dismiss the event reminder.

If you have more than one event set up for the same time, the phone displays each event in sequence. As you read and dismiss each event reminder, the next event is displayed.

Changing the Calendar Setup

You can set the calendar's daily start time, the length of time that events are stored, lunar calendar, calendar default view, and reminder snooze period.

1 Tap ✎ **Calendar** in the application launcher screen to open the calendar.

2 Tap ⌂, then tap **Setup**.

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3 Tap a field to change its setting. Pull down the scroll bar to display additional fields.

4 When you are finished changing settings, tap **Done** to store your settings.

Sharing Event Information

You can share calendar events with others by sending the data as a vCalendar entry to another phone, computer, or hand-held device.

1 Tap 🗓 **Calendar** in the application launcher screen to open the calendar.

2 Tap the name of the event you want to send. Your phone displays event details.

3 Tap ⌃, then tap **Share**.

4 Tap **Bluetooth**, then tap **OK** to exchange the data through a Bluetooth® wireless connection. Tap **MMS** or **Email**, then tap **OK** to send the event data in an MMS or email message.

5 Complete the setup procedure for the transfer method you selected.

6 Tap **OK** to send the event information in a vCalendar entry.

For more information about using a Bluetooth wireless connection, see page 39.

Tasks

You can create and review a checklist of tasks you need to perform, and set your phone to notify you when tasks come due.

Adding a New Task

1 Tap ✑ **Tasks** in the application launcher screen to display the task list.

2 Tap ⌃ to open the menu, then tap **New**.

3 Tap the direct line in a field to enter task details.

4 When you are finished entering information, tap **Save** to store the task.

Tip: Tap ↵ to exit without storing the event.

Viewing Tasks

Tap ✑ **Tasks** in the application launcher screen to display the task list. Tap a task to display its details.Tap the check box ☐ preceding the task name to indicate that you have completed the task.

Tap and hold on a task to open a pop-up menu from which you can select to **Share**, **Delete**, or **Edit** the task.

To sort the task list, tap the *sort order* button in the bottom button bar. You can choose to display **All Tasks**, **Unchecked** tasks, **Due Tasks**, or **Completed** tasks.

Tap ⌃ to perform various operations on the task list.

Note Pad

You can write and store notes on your phone.

1 Tap 🗒 **Note Pad** in the application launcher screen to open the note pad editor.

2 Tap the text line and enter the information on the keypad you want to record.

3 When you are finished entering information, tap to close the keypad and tap **Save**.

4 Enter a name, storage location, and type for the note.

5 Tap **Save** to save the note.

To read a note that you have saved, tap ⌃, tap **Open**, then select the note you want to open.

Drawing Pad

Use the drawing pad to create drawings and illustrations, or edit photos and images stored on your phone.

Tap ⌗ **Drawing** in the application launcher screen to open the drawing pad editor.

To draw a new picture:

• tap the drawing tool in the upper left of the screen (shown at right)
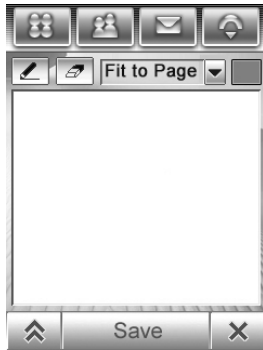
- tap the color picker (in the upper right corner of the drawing pad editor) to set a drawing color

- tap **Fit to Page** and select a zoom factor to zoom in/out on the drawing canvas

- tap **Save** to save your drawing

- enter the desired name of your drawing, file location and file type

- tap **Save**

To edit an existing picture, tap ⌃, tap **Open**, then select the picture you want to open. Use the drawing tools to edit the picture.

Tip: Tap and hold a selected area on the picture to open a pop-up menu from which you can select **Copy**, **Cut**, or **Paste** into the selected area.

Tap ⌃ to perform various drawing-related operations:

Option	Description
New	Open a blank canvas to create a new picture.
Undo or **Redo**	Undo or redo the last drawing operation.
Open	Open an existing picture.
Share	Share the picture.
Insert Stamp	Insert another image into the picture.
Select All	Select all picture elements.
Choose Canvas	Select the drawing canvas size.
Delete	Delete the picture.

To save a picture:

1 Tap **Done**.

2 Enter a name, storage location, and type for the picture.

3 Tap **Done** to save the picture.

Alarm Clock

Your phone has an alarm clock with 2 separate alarms that you can set to alert you at the time(s) you specify.

1 Tap Ò **Alarm Clock** in the application launcher screen to display the alarm clock setup screen (shown at right).

2 Tap a check box □ to activate the alarm. A check mark ☑ indicates that the alarm is activated.

3 Tap below the alarm name to set the alarm time. Set the desired time, then tap **OK** to store it.

4 Tap **Snooze** to set the snooze period.

5 Tap **Save** to store your settings.
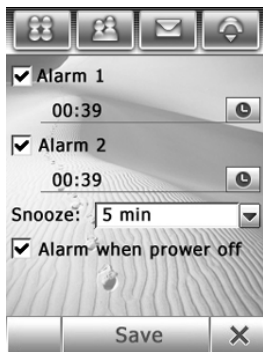
When the alarm expires, your phone displays an alarm reminder and sounds an alert.

Tap **Snooze** to turn off the event reminder for a short period of time. The alarm sounds again when the snooze period expires.

Tap **Cancel** to turn off the alarm.

When you select **Alarm When Power Off** in the alarm clock setup screen, your phone turns itself on if necessary to alert you when the alarm expires.

World Time

Your phone can display the current time and date for multiple cities around the world.

Tap the **Time** icon in the application launcher screen to display the world time screen (shown at right).

To replace a city listing in the world time screen, tap the city name to display the time zone chart (shown below). Tap the city name again to display a city list. Select a new city, then tap **OK** to store it.

Alternatively, tap a time zone in the time zone map to display a list of cities in that time zone. Select a new city, then tap **OK** to store it.

You can reset the time and date for a listed city. Tap the time and/or date field to change it. Tap **OK** to save your changes.

To add a new city to the city list, tap ⌃, then tap **Add city**. Enter the city name and its time zone, then tap **OK** to store it.

Voice Recorder

You can record personal messages and phone calls on your phone.

Making a Recording

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

1 Tap **⚋ Recorder** in the application launcher screen to activate the recorder (shown at right).

2 Tap ● to start recording.

3 Speak into the phone.

4 Tap ■ to stop recording. The voice record is automatically saved to the **My Voice** folder on your phone.

5 To play back the voice record you just made, tap ▶. To stop playback, tap ■.

Playing a Recording

1 Tap ♪ Recorder in the application launcher screen to activate the recorder.

2 Tap ⌃, then tap Open to open the My Voice folder.

3 Tap the voice record you want to play, then tap Open to play it.

Tip: The voice record name identifies the date and time when the file was recorded. The recording date and time is also displayed when you play the voice record.

Changing the Voice Record Storage Location

1 Tap ⌃, tap Setup, then tap the folder tree icon ▭ in the Location field.

2 Select a folder, then tap OK to set it as the new storage location.

3 Tap Done to save the new storage location.

Calculator

You can use your phone as a calculator.

Tap *Calculator* in the application launcher screen to display the calculator (shown at right).

Tap the numeric and calculation keys to perform a calculation.

Tap = to calculate the result.

Tap **C** to clear the calculation. Tap ← to clear the last entry, one digit at a time, when performing a calculation.

Tap ✕ to return to the application launcher screen.

Tap the following keys to perform the described functions:

Function	Description
+/-	Change the entry's sign (positive/negative).
M+	Store the sum of the current calculation result, and the stored number.
MS	Clear the stored number, and store the current calculation result.
MR	Display the stored number.
MC	Clear the stored number.

Security

Locking the SIM Card

Your *Personal Identification Number* (PIN) code protects the information stored on your SIM card. When the SIM card is locked, you must enter your SIM card PIN code to unlock the SIM card each time you turn on the phone or insert the SIM card in the phone. Your SIM card PIN code is given to you by your service provider.

1 Tap **🔒 Security** in the application launcher screen, then tap **PIN Request On** or **PIN Request Off** to activate or deactivate the feature.

2 Enter your SIM card PIN1 code when prompted, and then tap **OK** to submit your code and save your setting.

Unblock the SIM Card PIN Code

If you enter an incorrect SIM card PIN code 3 times in a row, your SIM card is disabled and your phone displays **SIM PIN1 Blocked**. You must enter a PIN unblocking key (PUK) code, which you can obtain from your service provider.

Caution: If the unblocking attempt is tried unsuccessfully 10 times, the SIM card is permanently disabled and your phone displays **SIM Disabled**.

Unblock the SIM Card PIN2 Code

If you enter an incorrect SIM card PIN2 code 3 times in a row, your phone's SIM PIN2 protected features are

disabled and your phone displays **SIM PIN Blocked** when you try to use a PIN2 feature. You must enter a PIN2 unblocking key (PUK2) code, which you can obtain from your service provider.

News and Entertainment

Micro-Browser

The micro-browser lets you access Web pages and Web-based applications on your phone. Contact your service provider to set up access, if necessary.

Note: Your phone may use a high-speed *General Packet Radio Service* (GPRS) network connection. This type of connection is identified by a **GPRS** indicator in the status bar. If the **GPRS** indicator is blacked out or not visible during a micro-browser session, your phone is using a standard CSD voice channel connection. The type of network connection your phone uses depends on your service provider's network. Your network connection charges may vary depending on the type of connection used.

Starting a Micro-Browser Session

Tap ⊛ **Browser** in the application launcher screen to launch the micro-browser. Your phone displays the micro-browser startup screen.

Tap a bookmark, service, or application to select it.

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

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Interacting With Web Pages

Pull down the scroll bar to scroll through a text page or
option list. Tap an option to select it. Tap ✔ at any time
to return to the previous screen.

Some Web pages may contain text fields for
exchanging information with a Web site. Tap the field and
enter text in the usual way.

Tap ⌃ to perform various micro-browser operations. The
micro-browser menu can include the following options:

Option	Description
Go To page	Enter a Web address (URL) to go to a Web site.
Home	Go to the homepage of the current Browser profile.
Bookmarks	Display a list of your bookmarks. Add, edit, delete, share a bookmark and open a Web site through a bookmark.
History	Display a list of Web sites you have visited. Open a Web site through history, delete a history.
File	Open, save a file, copy, share a file and About Opera.
View	Adjust the view of the content in the window, zoom in or out on the content.

Option	Description
Active page	Show the address of the active page, add to bookmark, use as home page, show security level of active page, show server certificate and change encoding of active page.
Setup	Add and edit profiles, adjust Browser settings, show SSL and WTLS certificates, delete cache and cookies.

Downloading Files

You can download a file, game, or application from a Web page onto your phone by selecting its link.

You must specify the location where you wish to save the file, and your phone must have sufficient memory storage space to store the file.

You can purchase a variety of games, applications, and multimedia content for your phone. In most cases, you can download and preview content before you purchase it. After previewing the content, you can choose to discard it, or purchase it and install it on your phone.

Notes:

- Call charges apply during download sessions.

- Some games might make your phone vibrate. Some ring tones vibrate automatically. If you use one of

these tones, your phone vibrates even when it is not set to a vibrate ring style.

Disconnecting From the Internet

Tap **Exit** to disconnect from the Internet and exit the micro-browser application.

Using Network Connection Profiles

You can use different Internet accounts to connect to the Internet in different ways. Use the network feature to select or create a network connection profile for an Internet account.

Selecting a Profile

To select a network connection profile, select **Data Network** of Setup in the application launcher screen.

Creating a New Profile

To create a new network connection profile, you must enter the following configuration settings.

1 Select **Data Network** of Setup in the application launcher screen to display the Internet Profile screen.

2 Select **New** in the popup menu.

3 Tap the direct line in a field to enter the setting. Pull down the scroll bar to display additional fields.

4 When you are finished entering information, tap **Save** to store the profile.

If necessary, contact your service provider to obtain the following information:

Option	Description
Profile Name	Enter the profile name.
GPRS APN	GPRS access point name (the name of the WAP service provider).
GPRS User Name	User name for GPRS APN connection.
GPRS Password	Password for GPRS APN connection.
GPRS Timeout	Time at which the phone exits the micro-browser application when no keypress activity is detected.
GPRS DNS Server 1 and **2**	Primary and backup DNS IP servers.
CSD Dial In Number	Phone number to use to set up a CSD connection.
CSD User Name	User name for CSD connection.
CSD Password	Password for CSD connection.
CSD Baud Rate	Connection speed for CSD connection.
CSD Line Type	Line type (modem or ISDN) for CSD connection.

Option	Description
CSD Timeout	Time at which the phone exits the micro-browser application when no keypress activity is detected.
CSD DNS Server 1 and **2**	Primary and backup DNS IP servers.

To create a network connection profile:

1 Tap the **Network** icon in the application launcher screen to display the network screen.

2 Tap ⋏ to create a new network connection profile.

3 Tap the direct line in a field to enter the setting. Pull down the scroll bar to display additional fields.

4 When you are finished entering information, tap **OK** to store the profile.

Tip: Tap ↵ to exit without storing the profile.

Games and Applications

Your phone may contain Java™ games or applications that add features and functionality to your phone. Java games and applications are accessed from application launcher screen 3 on your phone.

STK

Your SIM card may contain additional *SIM Toolkit* (STK) applications that add features and functionality to your phone.

Tap 🖫 **STK** on the application launcher screen to display a list of the STK applications available for you to use.

Tap a service or feature to select it. Your phone displays the service or feature screen.

Pull down the scroll bar to scroll through a text page or option list. Tap an option to select it. Tap ↩ at any time to return to the previous screen.

Some screens may contain text fields where you must provide information in order to use a service or feature. Tap the field and enter text in the usual way.

For more information about the STK applications available on your SIM card, contact your service provider.

Troubleshooting

Check these questions first if you have problems with your phone. If you need additional help, contact the Motorola Customer Call Center at 1-800-331-6456 (USA) or 1-800-461-4575 (Canada).

Question	Answer
Is your battery charged? Do you see ▢ in the display?	The battery level indicator ▢ should have at least 1 segment showing. If it does not, recharge your battery (see page 23.)
Do you have a valid SIM card inserted in your phone?	If necessary, turn off your phone and make sure that you have inserted a valid SIM card (see page 18).
Does the handset have a signal? Do you see Δ in the display?	The signal strength indicator Δ should have at least 1 segment showing. If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, press the upper volume key on the side of your phone.

Question	Answer
Is the other party unable to hear you?	Your phone may be muted. Tap **Mute** if necessary to unmute the phone.
	Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.
Has the phone been damaged, dropped, or gotten wet?	Dropping your phone, getting it wet, or using a non-Motorola battery or battery charger can damage the phone. The phone's limited warranty does not cover liquid damage or damage caused from using non-Motorola accessories.
Was a non-Motorola battery or battery charger used?	

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).
I forgot my password.	See page 54.

Problem	Solution
I pressed the power key, but nothing happened.	Be sure to press and hold the power key for 2 seconds, until the display appears and you hear an alert. If nothing happens, check that a charged battery is installed (see page 20).
The display says: Insert SIM Card or Check SIM Card even though I have inserted my SIM card in the phone.	The SIM card may be incorrectly inserted. Check the SIM card to make sure that it is inserted properly (see page 18).
The display says: SIM Blocked. How do I unblock my SIM card?	Call your service provider (the company that sends you your monthly wireless service bill) to obtain the PIN unblocking key (PUK) code (see page 147).
The display says: Enter Unlock Code. How do I unlock my phone?	Enter the factory-preset unlock code (1234), or the last 4 digits of your phone number. If this fails, call your service provider (the company that sends you your monthly wireless service bill).
My phone does not ring.	Check the ring style setting on the application launcher screen, then the ringer is turned off. To change the ring style, see page 56.

Problem	Solution
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display shows the name of your service provider before making a call.
I cannot send/receive calls.	Make sure that you have a phone signal (the signal strength indicator $\Lambda_{\blacksquare}$ should have at least 1 segment showing). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings.
	Your phone also may have the call barring feature turned on. If you know the call barring password, you can change this setting in the security menu (tap **$\square$ Security** in the application launcher screen, then tap **Call Barring**).
	Also, check to be sure your SIM card is installed and working.

Troubleshooting

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Problem	Solution
My phone has poor reception and drops calls.	Make sure you have a phone signal (the signal strength indicator ▲ should have at least 1 segment showing). Stay clear of any obstructions such as bridges, parking garages, or tall buildings.
I cannot hear others on my phone.	While on a call, press the upper volume key. Your phone display should show the volume increasing. Also, make sure that your phone's earpiece is not blocked by its carrying case.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received: **1** Tap ☎ **Recent Call** in the application launcher screen. **2** Tap **Answered Calls**, **Missed Calls**, or **Dialed Calls**. **3** Tap an entry to display call details. **4** Tap **Call** to call the entry's number.

Problem	Solution
My phone's display is too dark.	Use the **Brightness** feature to change the brightness level in your display (see page 56).
	You can also use the **LCD Sleep Time** feature to change the length of time that the display backlight stays on (see page 56).
My battery didn't last as long as I expected. What can I do to extend battery life?	Your battery's performance is affected by charge time, feature use, temperature changes, backlight use, and other factors. For tips on extending battery life, see page 18.
I am unable to create a voice record	Try moving to a quieter location to make your voice recording. Hold the phone about 4 inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.

Problem	Solution
I launched the micro-browser but the display says: Network Not Available.	You may be in an area without service, or you may be connected to a network that does not support Internet access.
I launched the micro-browser but the display says: Server Not Responding.	Try again in a few minutes. The servers may be temporarily busy.

Specific Absorption Rate Data

This model phone meets the international standards for exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. 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 guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Under the guidelines for your phone model, the SAR limit is 2.0 W/kg.[1] Tests for SAR are conducted in accordance with CENELEC[2] testing procedures using standard operating positions 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 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 base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines. The tests are performed in positions that conform to a uniform testing methodology determined by an expert standards body. The highest SAR value for this model phone when tested for use at the ear is 0.52 W/kg.[3]

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. Please note that improvements to this product model

could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

1. The SAR limit recommended by international guidelines (ICNIRP) for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.

2. CENELEC is a European Union standards body.

3. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

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U.S. patent Re. 34,976