INSTRUCTION MANUAL
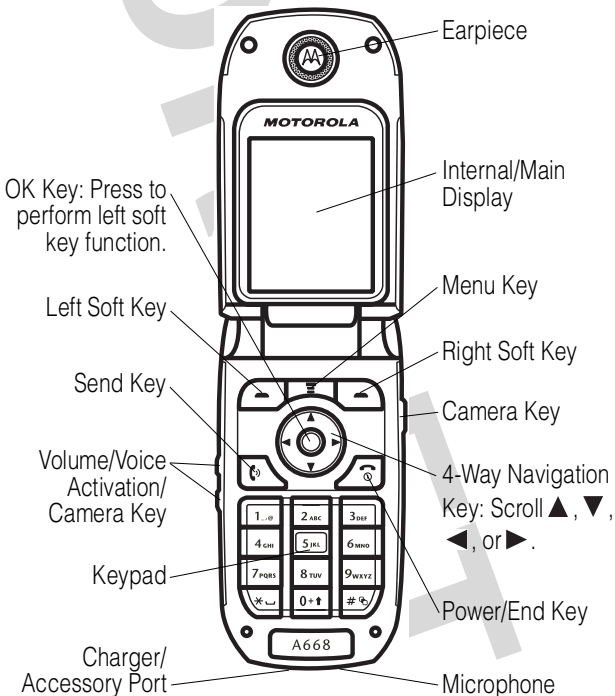
A preliminary draft copy of the Users Manual follows:

EXHIBIT 8

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola A668 wireless phone.

Earpiece

Internal/Main Display

OK Key: Press to perform left soft key function.

Menu Key

Left Soft Key

Right Soft Key

Send Key

Camera Key

Volume/Voice Activation/ Camera Key

4-Way Navigation Key: Scroll ▲, ▼, ◄, or ►.

Keypad

Power/End Key

Charger/ Accessory Port

Microphone

Tip: The 4-way navigation key ⦿ also serves as shortcuts to menu features by setting home keys (see page 107).

2

Menu Map

You can display your phone's main menu as icons or as a text list. Each has its own organization and is different from the other. By default, your phone displays the main menu as icons.

To change the menu display mode:

Find the Feature   ▭ > Settings
                                    > Menu style

Note: The following is the standard phone menu layout. Menu organization and feature names may vary on your phone. Not all features may be available for all users.

Note: The functions available on this mobile phone may vary in different regions and nations. Please contact your local customer service centers, agencies or retailers if you have any question about the mobile phone functions. Motorola reserves all rights to revise and change this user's manual without obligation to notify any person of such revisions or changes.

Main Menu Display

Msg. center *
- Text messages
- Multimedia msgs.
- Voice mailbox
- Cell broadcast
- Settings
- Sending history
- Service command

Games
- Five ball
- Flying
- Popo car
- Sound effect

Alarm clock
- On
- Off

Chatroom *

Quick access #
- Browser
- Media center
- Wallpaper selection
- Screen saver
- Add entry to phonebook
- Calculator
- Games
- Meeting mode
- Ringing tone
- Edit

Media center
- Photo album
- Picture
- Animation
- Melody
- Voice notes
- Video
- Slide show
- Download media
- View free space

Tools
- Calendar
- Calculator
- Stopwatch
- Tone editor
- Voice commands
- Video player
- My picture

Java

Settings
- Language
- Backlight
- Adjust contrast
- Clock
- Auto power off
- Display
- External display
- Key lock
- Input mode
- Home keys
- Restore factory settings
- Security
- Call features
- Network
- Service light
- Connection indication
- Minute reminder
- Menu style
- Java settings
- Light sensor

Profile
- Normal
- Meeting
- Outdoors
- Car
- Customized
- Office
- Handsfree
- Headset

* Optional network, SIM card, or subscription-dependent feature.

Order of items under this feature is changeable by users.

Main Menu Display

- Silence

Recent calls
- Missed calls
- Received calls
- Dialed calls
- Erase all
- Call time
- Call cost
- GPRS data counter
- GPRS connection time
- In-call count
- Session information

Phonebook
- Search
- Add
- Erase
- Copy
- Option
- Speed dial
- Caller group
- Personal number
- Fixed dial number
- Voice tags
- My Own Card

Ringing style
- Ringing volume
- Ringing tone
- Incoming call alert
- Vibrating
- Message alert tone
- Key tone volume
- Key tone type
- Warning tones
- Startup music
- Flip music

Camera

V. recorder

Browser *
- Home
- Bookmark
- Profiles

- Appearance settings
- Download settings
- Go to address
- Clear the cache
- Service Inbox
- Certificates

Bookmark *

Voice notes

STK *

Shortcuts
Quickly access menu options:
Press ⊙ (in idle).
Go to dialed calls list:
Press 📞 (in idle).
Use voice commands:
Press and hold the up or down voice activation key (in idle) and then say a command into the microphone.
Turn off the ringer:
Press and hold #🔊 (in idle).
Exit menu system:
Press ☎.

* Optional network, SIM card, or subscription-dependent feature.

5

Contents

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 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.

Internal Antenna Care

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

Do NOT block the internal antenna (which is built-in at the top end of your phone) when the phone is IN USE. Blocking the internal 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 antenna, 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 hands-free 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 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, unless it is a phone type especially qualified for use in such areas and certified as "Intrinsically Safe." Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. 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.
⊖ Li Ion BATT ⊕	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to blinking lights, such as when watching television or playing 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 blinking-lights feature on your phone. (The blinking-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate blinking 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 blinking-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

CE0168
Type: MC2-41H14                    Product
                                   Approval
                                   Number
```
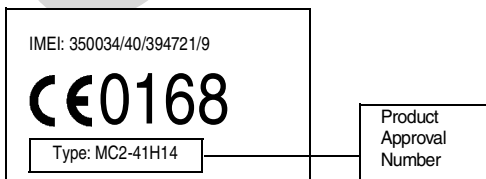
The above gives an example of a typical Product Approval Number.

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.

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Getting Started

What's in the Box?

Your digital wireless phone comes with a battery and USB charger. You can purchase other accessories to customize your phone for maximum performance and portability.

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

About This Guide

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, and phonebook/message information.

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

	Action
1	If the phone's battery door is already in place, press the latch to remove the battery door from your phone. **Note:** Turn off your phone every time when you remove/insert the SIM card.
2	Lift the battery up from the top end and remove it from the phone.
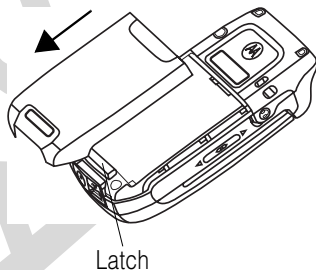
Latch
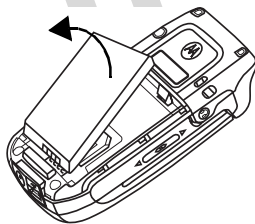
Action

3 Fit the SIM card into the slot, with the metal contacts facing down and the beveled corner pointed at the notch of the slot (as shown).
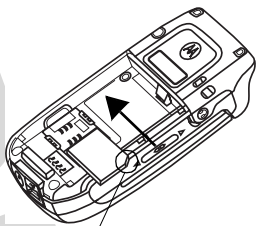
Beveled corner

Installing the Battery

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

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

Action

1 Remove the battery from the plastic case.

2 Insert the battery with the metal contacts on the bottom end in alignment with the ones on the phone. Push the top end of the battery into the phone so that it clicks into place.

Metal contacts
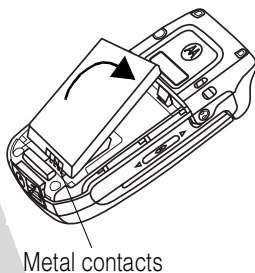
3 Place the battery door back on the phone, aligning the tabs on the battery door with the groove on the phone. Slide the battery door in the direction shown until it locks into place.
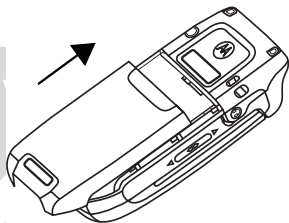
Charging the Battery

New batteries are partially charged. Before using your phone, charge the battery as described below. Some batteries perform best after several full charge/discharge cycles.

	Action
1	With the phone facing up, plug in the USB charger. **Note:** The charger connector is keyed and can only be inserted 1 way.
2	Plug the other end into the USB port on your personal computer.
3	When done charging, unplug the USB charger from the USB port and then disconnect the USB charger from your phone.
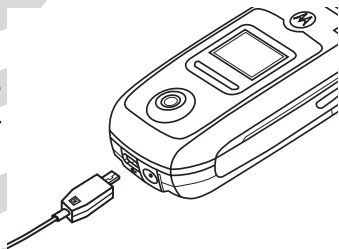
When you charge the battery, the battery power level indicator in the external and internal displays shows how much of the charging process is complete. At least 1 segment of the battery power level indicator must be visible to ensure full phone functionality while charging.

When battery power is low, your phone will play the warning tones to warn you (see page 110). Charge the battery immediately.

If battery power runs out, your phone turns off.

Battery Use

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.

• Charging begins when the battery power level indicator appears in both displays. Batteries stored for a long time may require 10-20 minutes to charge before the display is turned on.

• Battery life would be shorter than normal if users play games or use phones in low signal strength areas.

• Maintain the battery at or near room temperature when charging.

• Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.

• When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.

• Over time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to buy a new battery.

The rechargeable batteries that power this phone must be disposed of properly and may need to be recycled. Contact your local recycling center for proper disposal methods. Never dispose of batteries in a fire because they may explode. Refer to your battery's label for battery type.

Turning On Your Phone

	Action
1	Open your phone's flip.
2	Press and hold ⟋☉ to turn on the phone.
3	If necessary, enter your SIM card PIN code and press **OK** (◎) to unlock the SIM card. **Caution:** If you enter an incorrect PIN code 3 times in a row, your phone disables the SIM card and displays **SIM Blocked**.
4	If necessary, enter your 4-digit unlock code and press **OK** (◎) to unlock the SIM card.
5	Enter the current time according to the 24-hour format (for example, enter 15:00 instead of 3:00 pm) and press **OK** (◎) to confirm.
6	Enter the current date (for example, enter *2004/ 06/20*) and press **OK** (◎) to confirm.

Tip: To reset date and time, press ▭▭ > **Settings** > **Clock** > **Set date/time** > **Set the date** and **Set the time**. To select a date format, press ▭▭ > **Settings** > **Clock** > **Date format**.

Your phone starts to connect to your service provider and then enters the idle display if connection is successfully established.

Adjusting Volume

On the idle display:

Press	To
1 up/down volume key	increase/decrease earpiece volume during a call

| 2 OK (○) | save the setting |

Displaying Your Phone Number

You can display your phone number to people you call.

Tip: Scroll to **Preset** to use the settings configured by your service provider.

Find the Feature $\boxed{\cdot}$ > **Settings**
> **Call features**
> **Show number** > **On**

Making a Call

On the idle display:

	Press	To
1	keypad keys	enter a phone number
		Tip: If you make a mistake, press **CLEAR** (⬒) to clear the last digit, or press and hold **CLEAR** (⬒) to clear all digits.
2	⬐	make the call
3	⬑	end the call

Tip: To enter an extension, press and hold ⬐ to insert a "P" (pause character) and then enter an extension.

Tip: To make an international call from the idle display, press and hold ⬒⬐ to insert a "+" and then enter the country code, area code (omitting the starting 0), and phone number.

Answering a Call

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

	Press	To
1	⬐	answer the call
2	⬑	end the call

Tip: When **Flip answer** is active, open the phone to answer the call. (To activate, press ▭ > **Settings** > **Call features** > **Flip answer** > **ON**.)

Tip: When **Anykey answer** is active, press any of the keys except ▱ to answer the call. (To activate, press ▭ > **Settings** > **Call features** > **Anykey answer** > **ON**.)

Note: If the phone is locked, you must unlock it to answer calls.

Muting a Call

You can make the 3rd party not hear your voice when a call is in progress.

	Press	To
1	**OPTIONS** (▱)	open the options menu
2	◉	scroll to **Mute**
3	**OK** (◯)	mute the call

Learning to Use Your Phone

Using the Internal Display

The *idle display* is the standard display when you are *not* on a call or using the menu.

- Service Provider Name
- Date
- 2004/09/10 — 21:52 — Time
- CAMERA ▤ MEDIA
- Menu Indicator
- Soft Key Labels
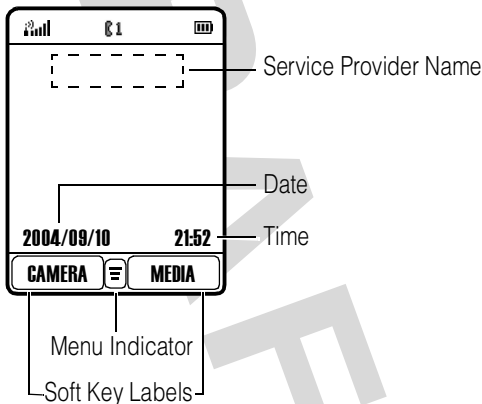
The Menu indicator indicates that you can press the menu key ▭ to display the main menu or options menu.

Labels at the bottom corners show the current soft key functions. Press the left soft key ◁ or right soft key ▷ to perform the function indicated by the left or right soft key label.

Press ⊙ from the idle display to quickly access 4 menu features. You can also decide which 4 menu features you would like to quickly access by setting home keys (see page 107).

At the top of the display are the following status indicators:

Icon	Name	Description
▒ıı	**Signal Strength**	Indicates strength of signal being received. The more vertical bars, the better the reception (5 bars maximum). Bars differ in color by signal strength: **green > orange > red**.
▥	**Battery Power Level**	Indicates remaining battery power. The more bars, the more battery power available (3 bars maximum). The icon flashes when battery power is near empty. Bars differ in color by power level: **green > orange > red**.
▲	**Roaming**	Indicates you are on another network.

Icon	Name	Description
🔁	**Call Connected**	Indicates you are on a call.
📩	**New SMS Message**	Indicates new unread SMS message(s). The icon flashes when the SMS memory is full. You must read new SMS messages to receive more SMS messages.
📭	**New Voicemail Message**	Indicates new unheard voicemail message(s).
📞	**New SMS/Voicemail Message**	Indicates new unread/unheard message(s).
📨	**New SMS and MMS Message**	Indicates new unread SMS and MMS message(s).
📇	**New MMS Message**	Indicates new unread MMS message(s).
📑	**MMS Memory Full**	Indicates the MMS memory is full. You must read new MMS messages to receive more MMS messages.
888	**MMS Message Processing**	Indicates you are receiving/sending MMS message(s).
🔔	**Ringer On**	Indicates ringer is turned on.

Icon	Name	Description
⋙⊟⋙	**Vibrator On**	Indicates vibrator is turned on.
⋮⊳△	**Ringer/Vibrator On**	Indicates ringer and vibrator are turned on.
ᶻ△	**Silent**	Indicates ringer is turned off.
Ⓖ	**GPRS Mode**	Indicates your service provider supports GPRS.
𝔓	**GPRS Call Connected**	Indicates you are surfing over the GPRS network.
☺☺	**Chatroom Mode**	Indicates you open **Chatroom** to have an online chat.
▌1 ▌2	**Line 1/Line 2**	Indicates telephone line you are using.
📱	**Call Waiting**	Indicates a call is waiting to answer.
📱	**Call Muted**	Indicates a call is muted.

Using Menus

From the idle display, press ⌑ to display the main menu.

Selecting a Menu Feature

To select a menu feature, starting from the idle display:

Find the Feature ⌑ > Phonebook
                       > Add

Use 🔘 to scroll, and ⌐ ⌐ to select the soft key functions listed in the bottom left and right corners of the display. **OK** (◯) functions the same as the left soft key. To select **Add** in a list, you may press ▣ .

Note: In this user's guide, "Find the Feature" always indicates the feature's position in the main menu.

Entering Feature Information

Some features require you to enter information:

- Enter numbers or text with keypad keys. A *flashing cursor* shows where text is entered.
- Press 🔘 left/right to select an option.
- If you enter or edit information and do not want to save changes, press ⌫ to exit without saving.

Entering Text

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

Setting Ready-to-Use Text Entry Modes

You can select your custom input modes.

Find the Feature $\boxed{\equiv}$ > Settings
                                    > Input mode
                                    > Preferred input mode

	Press	To
1	$\textcircled{\textcircled{\circ}}$	scroll to the desired text entry mode
2	ON ($\boxed{\frown}$)	select the text input mode
3	BACK ($\boxed{\frown}$)	change the settings
4	OK ($\bigcirc$)	save the settings

Choosing a Text Entry Mode

Most text entry screens let you enter letters, numbers, and/ or symbols as required. Press $\boxed{\equiv}$ (or $\boxed{\equiv}$ > Input mode) from a text entry screen to select a text entry mode.

FWR   Type letters and numbers by drawing
               strokes on the keypad (see page 37).

TAP English Type letters, numbers, and symbols by
               pressing a key 1 or more times (see
               page 40).

iTAP English	Let the phone predict each word as you type it (see page 41).
123	Enter numbers only.
Symbol	Enter symbols only.

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

To select a text entry mode with ease:

Action

Press _ to insert a space.

In the **FWR** text entry mode, press and hold 0⁺⁺ to choose among ⊥ₘª (lower case)/ ⊥ₘᴬ (upper case)/ abc (lower case for **iTAP English**).

In the **TAP English** text entry mode, press and hold 0⁺⁺ to switch among **abc** (lower case)/**Abc** (initial capital letters)/**ABC** (upper case).

In the **iTAP English** text entry mode, press and hold 0⁺⁺ to toggle between abc (lower case)/ABC (upper case).

Press #₊/ to select **Symbol**.

Press and hold #₊/ to switch between **123** and the default text entry mode.

Setting Words to Complete Automatically

Word completion allows you to select a word from a list after you enter the 1st 3 characters.

Find the Feature $\boxed{\cdots}$ > **Settings**
> **Input mode**
> **Word completion** > **ON**

In the **TAP English** text entry mode:

	Press	To
1	keypad keys	enter the 1st 3 characters of a word
2	$\textcircled{\odot}$ up	open the possible words list
3	$\textcircled{\odot}$	scroll to the desired word
4	OK ($\bigcirc$)	select the word

In the **FWR** text entry mode:

	Action
1	Use your finger to scrawl the 1st 3 letters of a word on the sensible keypad.

2 Press $\textcircled{\odot}$ up to open the possible words list.

3 Press $\textcircled{\odot}$ to scroll to the desired word.

4 Press **OK** (◎) to select the word.

Using Finger Writing Recognition (FWR)

Finger Writing Recognition (**FWR**) is a new handwriting recognition technology which enables you to scrawl on the sensible keypad with finger instead of pen. The new function allows you to directly write English in lower or upper case on the sensible keypad by a touch of finger.

Learning to Use Finger Writing Recognition (FWR)

You can test scrawl on the sensible keypad so that you are able to use the finger writing technology more smoothly.

Find the Feature   ⬛ > Tools
                         > Finger writing training

Customizing Finger Writing Recognition (FWR)

You can select a touch alert as scrawling on the sensible keypad, specify how speed the phone recognizes your handwriting, determine how sensitive the phone finishes your handwriting by a double-click on the keypad, display your handwriting on the screen, and quickly access certain

phone features using several handwriting command shortcuts from the idle display (see page 39).

```
╓──────────────────────────╖
║  ⚟ᵐᵎ   ₵1          ▥     ║
║      Fwr settings        ║
║      Writing sound       ║
║      Fwr movement        ║
║   □ Ink display          ║
║      Double click        ║
║   ☑ Quick access         ║
║  ┌──────┬───┬────────┐   ║
║  │ BACK │ ▤ │ SELECT │   ║
║  └──────┴───┴────────┘   ║
╙──────────────────────────╜
```
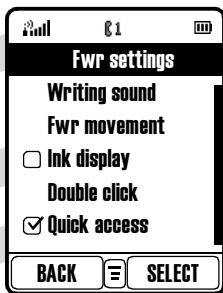
Find the Feature   ▭▭ > Settings
                             > Input mode
                             > Fwr settings

Press ▭▭ > **Input mode** from any text entry screen and select **FWR**.

	Action
1	Use your finger to scrawl all the letters of a word 1 by 1 on the sensible keypad.
	Note: If the letter you input is not the one which appears on the screen, press ⊙ to scroll to the desired letter from the candidate list and press **OK** (○) to replace the wrong letter. You can also press the corresponding number key to select a letter and replace the wrong letter.

Action
2 Press **OK** (⊙) or double click on the keypad to end your input.

Using Finger Writing Commands

You can quickly access certain phone features using several handwriting command shortcuts from the idle display. The finger writing commands are described below.

M	Open **Ringing style** > **Ringing tone** on your phone.
S	Open **Phonebook** > **Search** on your phone.
R	Open **Msg. center** > **Text messages** > **Inbox** on your phone.
W	Open **Msg. center** > **Text messages** > **Write message** on your phone.
G	Open **Games** on your phone.
B	Open **Browser** on your phone.

Action
From the idle display, use your finger to scrawl the desired finger writing command (**M/S/R/W/G/B**) on the sensible keypad, and then the targeted phone feature is launched.

Using Finger Writing Gestures

You can use several finger writing gestures instead of keypresses to delete a letter or return to the editing mode, end your handwriting, insert a space, and switch among ░░ᵃ (lower case)/ ░░ᴬ (upper case). The finger writing gestures are described below.

←	Draw ← from right to left on the sensible keypad to delete a letter or return to the editing mode.
double-click	Double click on the sensible keypad to finish your finger writing.
⊔	Draw ⊔ on the sensible keypad to insert a space.
a or A	Draw a on the sensible keypad to select ░░ᵃ (lower case); draw A on the sensible keypad to select ░░ᴬ (upper case).

Using TAP English

TAP English is the standard mode for entering text on your phone.

Press ▭ > **Input mode** from any text entry screen and select **TAP English**.

	Press	To
1	keypad key 1 or more times	select a letter, number, or symbol

	Press	To
2	keypad keys	enter remaining characters
3	OK (◯)	store text

General Text Entry Rules

Press a key repeatedly to cycle through its characters.

- If you do not press a key for 2 seconds, the highlighted character is accepted, and the cursor moves to the next position.

Using iTAP™ Software Predictive Text Entry Mode

iTAP English is a predictive text entry mode that lets you enter a word using 1 keypress per letter.

Press ▭ > **Input mode** from any text entry screen, and select **iTAP English**.

Entering Words

	Press	To
1	keypad key 1 time	enter the 1st letter of a word
		Tip: The letters associated with the key are shown at the bottom of the display.

	Press	To
2	keypad keys (1 per letter)	enter the rest of a word
		Tip: Alternative words and letter combinations are shown at the bottom of the display. The word choices update with each keypress.
3	⊙	highlight the word you want
4	**OK** (◯)	enter the word at flashing cursor location
		Tip: iTAP English automatically inserts a space after each word.

For example, to spell the word "art," press 2 7 8 . The display shows **art**.

Entering Novel Words

You can coin words **iTAP English** does not recognize.

Action

1 Press **CLEAR** (⬐) 1 or more times to delete letters until a letter combination matches the start of a word.

2 Press ⊙ to highlight the desired letter or letter combination.

	Action
3	Press **OK** (◎) to select the letter or letter combination.
4	Press ⊙ left to move cursor to the left and "lock" the selected word portion.
5	Continue to enter letters and highlight the letter combinations you want to spell a word.

Your phone stores the unrecognized word and includes it in the list of alternative word choices. When memory space for unrecognized words is filled, your phone deletes the oldest words as it adds new words.

Entering Punctuation

Press	**To**
▯ or ▯	enter punctuation

Entering Numbers

	Press	**To**
1	keypad key 1 time	prepare to put **iTAP English** in **123** text entry mode
2	⊙	scroll to the number
3	keypad keys	enter numbers
4	**OK** (◎)	enter the numbers at flashing cursor location

Deleting Letters and Words

With the cursor to the right of the text you want to delete:

Action
Press **CLEAR** (🔲) to delete 1 letter at a time.
Press and hold **CLEAR** (🔲) to delete the entire line.

Using the External Display

The external display enters the idle mode shortly after you close the flip, and then it enters the power-saving mode 5 seconds later. The idle external display shows the phone status, including network signal and battery power level, and time as well as date. Press the up or down volume key to show/hide the current time and date indicators in the external display. To exit from the power-saving mode, press and hold the up or down volume key.

```
 ⌠⌠⌠l               ▥

         21:52 ──────── Time
         9/10 Fri ───── Date

```
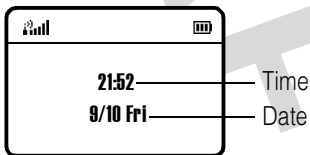
You can also select a clock style to display in the idle external display:

Find the Feature   🔲 **> Settings**
                                > External display
                                > Clock type

Press	To
1 (⊙)	scroll to the desired clock type, **Digital** or **Analog**
2 OK (◎)	select the clock type

When you receive an incoming call, the external display may show the caller's number and name.

Tip: To see a caller's name in the external display, the caller's number must match an entry in your phonebook. To create a phonebook entry, see page 81.

Locking and Unlocking Your Phone

You can lock your phone manually or set the phone to lock automatically whenever you turn it off. To use a locked phone, you must enter the unlock code. A locked phone still rings and/or vibrates for incoming calls/messages, *but you must unlock it to answer/read*.

You can make emergency calls on your phone even when it is locked.

Tip: Contact your service provider for the phone lock/unlock code.

Locking Your Phone Manually

Find the Feature   ☰ > **Settings**
> **Security**
> **Code status** > **Phone lock**
> **Lock now**

	Press	**To**
1	keypad keys	enter your phone lock/unlock code
2	OK (◎)	lock the phone

Locking Your Phone Automatically

To lock your phone every time you turn it off:

Find the Feature   ⌨ > Settings
                > Security
                > Code status > Phone lock
                > Automatic lock > ON

Unlocking Your Phone

	Press	**To**
1	keypad keys	enter your phone lock/unlock code
2	OK (◎)	unlock the phone

Setting and Changing Codes

You can set and change the following codes that block other people from using your phone and data in it.

PIN code	Lock your SIM card when you turn off your phone.
PIN2	Lock certain subscription-dependent features every time you use them.
Phone code	Lock your phone when you turn it off.

| SIM lock | Lock your phone when you insert an unidentified SIM card. |

Tip: Contact your service provider for those codes.

To set or change codes:

Find the Feature   ⌨ > Settings
            > Security > Change code

To activate codes:

Find the Feature   ⌨ > Settings
            > Security > Code status

If You Forget Codes

If you forget your codes, contact your service provider.

If You Enter the Wrong PIN or PIN2 Code 3 Times in a Row

If you enter a wrong PIN or PIN2 code 3 times in a row, your phone prompts you to enter the PUK or PUK2 code to unblock your SIM card. For the PUK and PUK2 codes, contact your service provider.

Setting Up Your Phone

Adjusting the Backlight

You can set the amount of time that both the display and the keypad backlights remain on. You may also turn off backlights to extend battery life.

Find the Feature $\boxed{}$ > Settings
> Backlight

Adjusting Display Contrast

Find the Feature $\boxed{}$ > Settings
> Adjust contrast

	Press	To
1	$\odot$ left/right	scroll to the desired display contrast
2	OK ($\bigcirc$)	select the display contrast

Adjusting Display Color

Find the Feature $\boxed{}$ > Settings
> Display > Color scheme

Setting Time and Date

To see time and date in both idle displays, set time and date 1st:

Find the Feature   ⬚ > **Settings**
> **Clock**
> **Set the time/Set the date**

You may select a date format:

Find the Feature   ⬚ > **Settings**
> **Clock** > **Date format**

To see time and date in both idle displays:

Find the Feature   ⬚ > **Settings**
> **Clock** > **Show clock** > **ON**

Setting Power-Off Time

You can let your phone turn off automatically in a specified time.

Find the Feature   ⬚ > **Settings**
> **Auto power off** > **On**

Tip: Press ✪ left/right to select a **Repeat type** for the power-off time setting.

Setting a Wallpaper Image

You can set a picture or animation as a wallpaper (background) image in your phone's internal and external displays.

Note: When you set an animation as a wallpaper image, only the 1st frame of the animation displays.

Find the Feature `▭` > **Settings**
> **Display/External display**
> **Wallpaper**

Setting a Screen Saver Image

You can set a picture or animation as a screen saver image in your phone's internal and external displays. The image displays when no activity occurs in 1 minute (the default, but it depends on regions).

Find the Feature `▭` > **Settings**
> **Display/External display**
> **Screen saver**

Tip: Scroll to **Off** or **Power saving** to turn off **Screen saver** or the LCM to extend battery life.

Customizing Service Light

You can specify a service light for use in the moment when the phone is successfully connected to your service provider, when you receive incoming calls or the alarm clock rings, and when you have new events.

Find the Feature `▭` > **Settings**
> **Service light**

Press	To
1 ⊙	scroll to the desired option

	Press	To
2	OK (◎)	select the option
3	⊙	scroll to the desired service light
4	OK (◎)	select the service light

Using Anykey Answer

Press any keys except ⌀ to answer calls.

Find the Feature
> **Settings**
> **> Call features**
> **> Anykey answer > ON**

Using Flip Answer

You can open the flip to answer incoming calls.

Find the Feature
> **Settings**
> **> Call features**
> **> Flip answer > ON**

Using Ambient Light Sensor

The keypad backlight can be turned on automatically when the surroundings are dark.

Find the Feature
> **Settings**
> **> Light sensor**

Calling Features

Putting a Call on Hold

When you are on a call, you can put the call on hold.

	Press	To
1	OPTIONS (▱)	open the options menu
2	◉	scroll to **Hold**
		Tip: Scroll to **Activate** to answer the call on hold.
3	OK (◯)	put the call on hold

Answering a New Call

When you are on a call, you can answer a new incoming call.

To turn on **Call waiting** 1st:

Find the Feature   ☐ > **Settings**
> **Call features** > **Call waiting**
> **On**

Calling Features

To answer a new incoming call:

	Press	To
1	☜	put the current call on hold and answer the new call
2	☞	end the new call and continue with the call on hold

Tip: If you have an active call and a held call, and you want to answer a new incoming call, you must end the active or held call to answer the new incoming call. Depending on your service provider, you can also transfer an incoming call to another phone number. (To activate, press **OPTIONS** (⊟) > select **Deflection** > enter the desired phone number > press ☜ .)

Making a New Call

When you are on a call, you can make a new outgoing call.

	Press	To
1	**OPTIONS** (⊟)	open the options menu
2	**OK** (◎)	select **Dial new call**
3	keypad keys	enter the phone number
4	☜	dial the phone number

Making an Emergency Call

With or without your SIM card installed, you can make an emergency call to the Emergency phone number your service provider gave you.

	Press	To
1	keypad keys	enter the emergency phone number
2	📞	dial the emergency phone number

Selecting a Phone Number to Use

You can select a phone number (line) to make and receive calls.

Find the Feature
　　　　　　　　　　⚏ > Settings
　　　　　　　　　　> Call features > Phone lines

Redialing Automatically

You can immediately redial the call you failed to make.

Find the Feature
　　　　　　　　　　⚏ > Settings
　　　　　　　　　　> Call features
　　　　　　　　　　> Auto redial > ON

Calling Features

Checking Recent Calls

You can view your call history on the phone.

Find the Feature   ▭ > Recent calls
 > Missed calls/Received calls/
 Dialed calls

Tip: If the phone number of the selected recent call displays, press 🔲 to dial.

Erasing Recent Calls

You can erase 1 or all of the recent calls from your phone.

Erasing a Recent Call

Find the Feature   ▭ > Recent calls
 > Missed calls/Received calls/
 Dialed calls

	Press	To
1	🔘	scroll to a recent call you want to erase
2	▭	open the options menu
3	🔘	scroll to **Erase**
4	OK (◯)	erase the selected recent call

Erasing All Recent Calls

Find the Feature ⟮🔲⟯ > Recent calls
> Erase all

Redialing Recent Calls

You can redial recent calls if the phone number displays.

Find the Feature ⟮🔲⟯ > Recent calls
> Missed calls/Received calls/
Dialed calls

	Press	To
1	⟮◉⟯	scroll to the desired recent call
2	⟮🔲⟯	open the options menu
3	⟮◉⟯	scroll to Call
4	OK (◯)	make the phone call

Saving Recent Calls in Your Phonebook

You can save recent calls as phonebook entries if the phone number displays.

Find the Feature   ▭ > **Recent calls**
              > **Missed calls/Received calls/ Dialed calls**

	Press	To
1	◉	scroll to the desired recent call
2	▭	open the options menu
3	◉	scroll to **Save**
4	OK (◎)	select **Save**
5	keypad keys	enter a name
6	OK (◎)	save the entry in your phonebook

Messages and Chat

You can write, send, and receive messages, either by Short Messaging Service (SMS) or by Multimedia Messaging Service (MMS). You can also open a chatroom to have an online chat.

Writing an SMS Message

You can insert quick notes, phonebook entries (numbers or names), image objects (pictures or animations), and sound objects (sounds or melodies) when composing an SMS message.

Find the Feature $\boxed{\overline{}}$ > **Msg. center**
> **Text messages**
> **Write message**

	Press	To
1	keypad keys	enter text
2	$\boxed{\overline{}}$	open the options menu
3	$\bigodot$	scroll to the desired option beginning with **Insert**
4	**OK** ($\bigcirc$)	select the option
5	$\bigodot$	scroll to the desired sub-option, if necessary
6	**OK** ($\bigcirc$)	select the sub-option, if necessary

	Press	To
7	(⊙)	scroll to the desired object you want to insert to your SMS message
8	OK (◯)	select the object
		Tip: Repeat steps 2-8 to insert more objects, if necessary.

Sending an SMS Message

To send your SMS message right after you finish editing it:

	Press	To
1	SEND (⊐)	select SEND
2	P.BOOK (⊐)	open your phonebook
3	(⊙)	scroll to the desired entry
4	OK (◯)	select the entry
		Tip: If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 3-4 to add other recipients or go to steps 8-9 to send your SMS message immediately.
5	(⊙)	scroll to the desired phone number

	Press	To
6	OK (◯)	select the phone number
7	BACK (⬜)	return to the previous menu
		Tip: Repeat steps 3-4 to add other recipients or continue the following steps to send your SMS message.
8	BACK (⬜)	return to the previous menu
9	SEND (⬜)	send your SMS message

Saving an SMS Message as a Draft

To save your SMS message in the **Drafts** folder after you finish editing it:

	Press	To
1	▭	open the options menu
2	⊙	scroll to **Save to drafts**
3	OK (◯)	select **Save to drafts**
4	P.BOOK (⬜)	select a recipient
5	⊙	scroll to the desired phonebook entry
6	OK (◯)	select the phonebook entry
7	⊙	scroll to the desired phone number, if necessary

	Press	To
8	OK (◎)	select the phone number, if necessary
9	SAVE (⬠)	save your SMS message along with recipient(s) in **Msg. center** > **Text messages** > **Drafts**

Activating Your Service Provider to Use MMS

To send/receive MMS messages, you must subscribe for MMS from your service provider and then activate your service provider on your phone. MMS works via GPRS your service provider provides. To activate your service provider, follow the steps:

Find the Feature

⬛ > **Browser**
 > **Profiles**

or

⬛ > **Msg. center**
 > **Settings** > **Multimedia msgs.**
 > **Connection settings**

	Press	To
1	◉	scroll to the service provider you have subscribed for using MMS
2	OK (◎)	select the service provider
3	OK (◎)	activate the service provider

Writing an MMS Message

An MMS message may consist of several page sets. A page set can include an image object 📷 (photo/picture/animation/video), a sound object 🎵 (melody/voice note), and/or text objects (quick notes/phone numbers).

Note: You can insert only 1 image object and 1 sound object to a page set. To insert more image and sound objects, press **YES** (⭤) when your phone displays: … **existed, add to next page?**.

Find the Feature
　　　　　⊞ > **Msg. center**
　　　　　　　> **Multimedia msgs.**
　　　　　　　> **Write message**

	Press	To
1	keypad keys	enter text
2	⊞	open the options menu
3	⊙	scroll to **Insert object**
4	**OK** (◎)	select **Insert object**
5	⊙	scroll to the desired option
6	**OK** (◎)	select the option
7	⊙	scroll to the desired sub-option, if necessary

	Press	To
8	OK (◎)	select the sub-option, if necessary
		Tip: Repeat steps 7-8, if necessary.
9	⟨◉⟩	scroll to the desired object you want to insert to your MMS message
10	OK (◎)	insert the selected object
		Tip: Repeat this step if you select **Media center** to choose objects.
		Tip: Repeat steps 2-10 to insert more objects, if necessary.

Going to a Page Set

You can switch between page sets.

	Press	To
1	▭	open the options menu
2	⟨◉⟩	scroll to **Go to…**
3	OK (◎)	select **Go to…**
4	⟨◉⟩	scroll to the desired page set
5	OK (◎)	go to the selected page set

Viewing an Object

You can view any object in the current page set.

	Press	To
1	📼	open the options menu
2	🔘	scroll to **View object**
3	OK (🔘)	select **View object**
4	🔘	scroll to the desired object
5	OK (🔘)	view the selected object

Deleting an Object

You can delete any object from the current page set.

	Press	To
1	📼	open the options menu
2	🔘	scroll to **Remove object**
3	OK (🔘)	select **Remove object**
4	🔘	scroll to the desired object
5	OK (🔘)	select the object
6	OK (🔘)	delete the selected object

Deleting a Page Set

You can delete a page set, including all objects and a page from it. If there is only 1 page set, you can delete all objects, not a page from it.

In the current page set (if it is not the only 1):

	Press	**To**
1	![menu]	open the options menu
2	![scroll]	scroll to **Delete page**
3	**OK** (◯)	delete the selected page set, including all objects and a page itself

In the only 1 page set:

	Press	**To**
1	![menu]	open the options menu
2	![scroll]	scroll to **Delete page**
3	**OK** (◯)	delete all objects, not a page itself

Previewing an MMS Message

You can preview your created MMS message before
sending it.

	Press	To
1	⬚	open the options menu
2	(⊙)	scroll to **Preview**
3	**OK** (◯)	select **Preview**
4	(⊙)	preview the next/previous page set

Sending an MMS Message

You can send your MMS message via either
phone number or email address.

To send via a phone number:

	Press	To
1	**SEND** (⊡)	select **SEND**
2	**P.BOOK** (⊡)	open your phonebook
3	(⊙)	scroll to the desired entry

	Press	To
4	OK (◎)	select the entry
		Tip: If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 3-4 to add other recipients or go to steps 8-9 to send your MMS message immediately.
5	◉	scroll to the desired phone number
6	OK (◎)	select the phone number
7	BACK (◻)	return to the previous menu
		Tip: Repeat steps 3-4 to add other recipients or continue the following steps to send your MMS message.
8	BACK (◻)	return to the previous menu
9	SEND (◻)	send your MMS message

To send via an email address:

	Press	To
1	SEND (◻)	select **SEND**
2	▭	open the options menu
3	◉	scroll to **New e-mail address**

	Press	To
4	**OK** (◯)	select **New e-mail address**
5	keypad keys	enter an email address
6	**OK** (◯)	add the email address to the **Recipients** box
		Tip: Repeat steps 2-6 to add other recipients.
7	**SEND** (⌷)	send your MMS message

Saving an MMS Message as a Draft

You can save your MMS message in the **Drafts** folder after you finish editing it.

	Press	To
1	▭	open the options menu
2	⊙	scroll to **Set title**
3	**OK** (◯)	select **Set title**
4	keypad keys	enter a name
5	**OK** (◯)	save the name
6	▭	open the options menu
7	⊙	scroll to **Save to drafts**

Press	To
8 OK (◎)	save your MMS message in **Msg. center** > **Multimedia msgs.** > **Drafts**

Checking a Received SMS/ MMS Message

You can view your received SMS/MMS messages in the respective **Inbox** folder.

Find the Feature ⬚ > **Msg. center** > **Text messages/ Multimedia msgs.** > **Inbox**

Press	To
1 ◉	scroll to the desired message
2 OK (◎)	check the selected message

Checking a Sent or Unsent SMS/MMS Message

You can view the SMS/MMS messages you sent or failed to send in the respective **Outbox** folder.

Find the Feature ⬚ > **Msg. center** > **Text messages/ Multimedia msgs.** > **Outbox**

📩 Indicates a sent SMS message.

	Indicates an unsent SMS message.
	Indicates a sent MMS message.
	Indicates an unsent MMS message.

	Press	**To**
1	(⊙)	scroll to the desired message
2	OK (◯)	check the selected message

Checking a Draft SMS/MMS Message

You can view the SMS/MMS messages you saved in the respective **Drafts** folder.

Find the Feature $\boxed{\cdot}$ > **Msg. center**
> **Text messages/**
  Multimedia msgs. > **Drafts**

| | Indicates a draft SMS message. |
| | Indicates a draft MMS message. |

	Press	**To**
1	(⊙)	scroll to the desired message
2	OK (◯)	check the selected message

Managing an SMS/MMS Message

You can perform these functions on a SMS/MMS message stored in your **Inbox**, **Outbox**, or **Drafts** folder:

- **Erase** (to erase the selected message)

- **Send** (to send the selected message)

- **Reply** (to reply the selected message)

- **Forward** (to forward the selected message)

- **Edit** (to edit the selected message)

- **View** (to display objects in the selected message)/**Save object** (to save objects in the selected message)/**Object info.** (to read information on objects in the selected message)

- **Use address** (to dial/save a phone number, to connect to a URL, or to save a URL as a bookmark from the selected message)

- **Detail info.** (to read information on the selected message)

- **Callback** (to call to the sender of the selected message)

- **Open chatroom** (to chat with the sender of the selected message)

Find the Feature $\boxed{\cdots}$ > **Msg. center**
> **Text messages/**
  Multimedia msgs.
> **Inbox/Outbox/Drafts**

	Press	**To**
1	☺	scroll to the desired message
2	OK (◯)	select the message
3	OPTIONS (⊟)	open the options menu
	or	
	⌷	

Editing an MMS Template

You can edit an MMS template and save it either in **Msg. center** > **Multimedia msgs.** > **Drafts**, or in **Msg. center** > **Multimedia msgs.** > **MMS template**.

Find the Feature ⌷ > **Msg. center**
> **Multimedia msgs.**
> **MMS template**

Messages and Chat

Setting a Voicemail Service Number

Your service provider may set a voicemail service number before you receive your phone. If not, refer to the following procedures.

Find the Feature $\boxed{\overline{\overline{\mathbb{E}}}}$ > Msg. center
> Voice mailbox

	Press	To
1	keypad keys	enter the voicemail service number your service provider provided
2	OK (◯)	save the setting

Editing a Topic Message

You can edit topic messages you want to receive from your service provider, such as traffic reports and today's news.

Find the Feature $\boxed{\overline{\overline{\mathbb{E}}}}$ > Msg. center
> Cell broadcast

Clearing Sending History

You can erase all the SMS and/or MMS sending history from the phone memory.

Find the Feature $\boxed{\blacksquare}$ > Msg. center
> Sending history > Text
messages/Multimedia msgs.

	Press	**To**
1	$\boxed{\blacksquare}$	open the options menu
2	⊙	scroll to **Erase all**
3	OK (◯)	delete all of your SMS/MMS sending history

Editing a Service Command

You can edit service commands you want your service provider to operate.

Find the Feature $\boxed{\blacksquare}$ > Msg. center
> Service command

	Press	**To**
1	keypad keys	enter the service command you want your service provider to operate
2	OK (◯)	send the service command to your service provider

Having an Online Chat

You can open up to 4 chatrooms and have an online chat.

Find the Feature $\boxed{\cdots}$ > Chatroom

	Press	To
1	$\textcircled{\diamond}$	scroll to any chatroom
2	NAMES ($\boxed{-}$)	select from your phonebook a person you want to have a chat with
3	$\textcircled{\diamond}$	scroll to the desired entry
4	OK ($\bigcirc$)	select the entry
5	$\textcircled{\diamond}$	scroll to the desired phone number
6	OK ($\bigcirc$)	select the phone number
7	OK ($\bigcirc$)	save the setting
8	keypad keys	enter your nickname
9	OK ($\bigcirc$)	save the setting
10	keypad keys	enter your instant message
11	SEND ($\boxed{-}$)	send your instant message

Adding a Quick Note to Your Instant Message

	Press	**To**
1	⬛	open the options menu
2	⊙	scroll to **Insert quick note**
3	OK (◯)	select **Insert quick note**
4	⊙	scroll to the desired quick note
5	OK (◯)	add the selected quick note to your instant message

Adding a Smiley to Your Instant Message

	Press	**To**
1	⬛	open the options menu
2	⊙	scroll to **Insert smiley**
3	OK (◯)	select **Insert smiley**
4	⊙	scroll to the desired smiley
5	OK (◯)	add the selected smiley to your instant message

Editing Your Nickname

	Press	To
1	⌧	open the options menu
2	◉	scroll to **Nickname**
3	OK (◯)	select **Nickname**
4	keypad keys	edit your nickname
5	OK (◯)	save the setting

Editing an Instant Message Phone Number

	Press	To
1	⌧	open the options menu
2	◉	scroll to **Chat Numbers**
3	OK (◯)	select **Chat Numbers**
4	keypad keys	edit an instant message phone number
5	OK (◯)	save the setting

Checking Old Instant Messages

	Press	To
1	⌧	open the options menu
2	◉	scroll to **View history**

Press	**To**
3 OK (◎)	check old instant messages

Configuring SMS Settings

You can customize SMS settings to suit your needs.

Find the Feature　　　☐ > **Msg. center**
　　　　　　　　　　　　　　　　> **Settings** > **Text messages**

Configuring MMS Settings

You can customize MMS settings to suit your needs.

Find the Feature　　　☐ > **Msg. center**
　　　　　　　　　　　　　　　　> **Settings** > **Multimedia msgs.**

Selecting Memory for Saving SMS Messages

You can select either SIM card memory or phone memory to store your SMS messages.

Find the Feature　　　☐ > **Msg. center**
　　　　　　　　　　　　　　　　> **Settings** > **Memory in use**
　　　　　　　　　　　　　　　　> **Select SMS memory**

Checking SIM Card or Phone Memory for Saving SMS Messages

You can view the details of SIM card memory or phone memory that saves your SMS messages.

Find the Feature $\boxed{\Xi}$ > **Msg. center**
> **Settings** > **Memory in use**
> **SMS status**

Checking Phone Memory for Saving MMS Messages

You can view the details of phone memory that saves your MMS messages.

Find the Feature $\boxed{\Xi}$ > **Msg. center**
> **Settings** > **Memory in use**
> **MMS status**

Setting Up Your Phonebook

Selecting Memory for Saving Your Phonebook

You can select either SIM card memory or phone memory to store your phonebook entries.

Find the Feature [≡] > Phonebook
> Option > Memory

Checking SIM Card or Phone Memory for Saving Your Phone Numbers and Notes

You can read the details of SIM card memory or phone memory that saves your phone numbers and notes.

Find the Feature [≡] > Phonebook
> Option > Memory status

[icon] *X*/100   Number (*X*) of phone numbers in SIM card memory. You can store up to 100 phone numbers in SIM card memory.

Note: The capacity of SIM card memory depends on your service provider settings.

🔋 X/300	Number (X) of phone numbers in phone memory. You can store up to 300 phone numbers in phone memory.	
📋 X/100	Number (X) of notes in phone memory. You can store up to 100 notes in phone memory.	

Creating a Phonebook Entry

You can add phonebook entries to your phone.

Find the Feature $\boxed{\cdots}$ > Phonebook
> Add

	Press	**To**
1	keypad keys	enter a name
2	OK (◎)	save the name
3	keypad keys	enter a phone number
4	OK (◎)	save the phone number

Using Phonebook Entry Options

You can perform various functions on a phonebook entry.

Option	**Description**
Edit	edit a phone number/name
Add voice tag *	record a name command and use it to dial the corresponding number by voice

Option	Description
Set as default *	set a phone number to be called by default
Add number *	add phone number(s) (up to 4)
Change type	change a phone number type
Add text *	add note(s)
Change group	set a caller group
Edit name	edit the name
Speed dial	create 1-touch dial numbers using the entries between $\boxed{2_{ABC}}$ and $\boxed{9_{WXYZ}}$
Send message	edit an SMS message and send it by the default mobile phone number *(Network/Subscription Dependent Feature)*
Send business card	send a phonebook entry as a business card by SMS or text *(Network/Subscription Dependent Feature)*
Copy	copy/move a phonebook entry saved on SIM card memory to phone memory and vice versa
Erase	remove phonebook entry(ies) or note(s)
View	display the details of phonebook entry

Option	Description
Add picture *	create a photo caller ID
Remove picture *	remove a photo caller ID

* The option is available only for the phone number/name saved on phone memory.

Find the Feature $\boxed{=}$ > **Phonebook**
  > **Search**

	Press	To
1	keypad keys	enter the 1st letter(s) of a name
2	OK (◎)	open your phonebook
3	⊙	scroll to the desired entry
4	OK (◎)	select the entry
5	⊙	scroll to the name or the desired phone number/note
6	$\boxed{=}$	open the options menu

Creating a Photo Caller ID

You can add an image (photo caller ID) to a phonebook
entry. The internal display shows that image when the
caller places a call to you.

Note: To create photo caller IDs, save phonebook entries
on phone memory.

Find the Feature $\boxed{}$ > **Phonebook**
                                    > **Search**

	Press	To
1	keypad keys	enter the 1st letter(s) of a name
2	OK (◎)	open your phonebook
3	◉	scroll to the desired entry
4	OK (◎)	select the entry
5	◉	scroll to the name
6	▭	open the options menu
7	◉	scroll to **Add picture**
8	OK (◎)	select **Add picture**
9	◉	scroll to **Photo album** (for example)
10	OK (◎)	select **Photo album**
11	◉	scroll to the desired folder

Setting Up Your Phonebook

Press	To
12 OK (⊚)	select the folder
13 ⊙	scroll to the desired photo
14 OK (⊚)	select the photo
15 OK (⊚)	set the selected photo as a photo caller ID to the phonebook entry

Sorting Phonebook Entries

You can sort your phonebook entries by a desired type.

Find the Feature ⬚ > Phonebook
> Option > Sort by

Looking Up Your Phonebook to Make a Call

You can look up your phonebook and then make a call from the idle display.

To turn on **Dialing number lookup** 1st:

Find the Feature ⬚ > Phonebook
> Option
> Dialing number lookup > ON

To dial from the idle display:

	Press	To
1	keypad keys	enter the 1st letter(s) of a name
2	(navigation key)	scroll to the desired entry
3	(call key)	make a phone call

Using 1-Touch Dials

You can press and hold keys from [2abc] to [9wxyz] to make phone calls from the idle display.

To turn on **Speed dialing** 1st:

Find the Feature   [menu] > **Settings**
                        > **Call features**
                        > **Speed dialing** > **ON**

To create 1-touch dials:

Find the Feature   [menu] > **Phonebook**
                        > **Speed dial**

	Press	To
1	(navigation key)	scroll to the desired speed dial key
2	OK (○)	open your phonebook
3	(navigation key)	scroll to the desired entry

Setting Up Your Phonebook

Press	**To**
4 OK (⊙)	assign the speed dial key for the selected phone number

Checking 1-Touch Dials

Find the Feature ⬚ > **Phonebook**
                                > **Speed dial**

Press	**To**
1 ⊙	scroll to the desired name
2 ⬚	open the options menu
or	**or**
VIEW (⊡)	check the selected phonebook entry
3 OK (⊙)	check the selected phonebook entry

Changing 1-Touch Dials

Find the Feature ⬚ > **Phonebook**
                                > **Speed dial**

Press	**To**
1 ⊙	scroll to the desired name
2 ⬚	open the options menu
3 ⊙	scroll to **Change**

Setting Up Your Phonebook

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	Press	To
4	OK (◎)	select **Change**
5	(◦)	scroll to the desired phonebook entry
6	OK (◎)	assign the speed dial key for the selected phone number

Erasing 1-Touch Dials

Find the Feature　　　　▭ > **Phonebook**
　　　　　　　　　　　　　　　> **Speed dial**

	Press	To
1	(◦)	scroll to the desired name
2	▭	open the options menu
3	(◦)	scroll to **Erase**
4	OK (◎)	erase the speed dial key from the selected phone number

Renaming a Caller Group

Find the Feature　　　　▭ > **Phonebook**
　　　　　　　　　　　　　　　> **Caller group**

	Press	To
1	(◦)	scroll to the desired caller group
2	OK (◎)	select the caller group

Press	To
3 OK (◎)	select **Rename**
4 keypad keys	enter a new name
5 OK (◎)	save the new name

Customizing a Caller Group Ring Tone

You can select a ring tone for a caller group to use. The ring tone plays when 1 of the caller group calls you.

Find the Feature   > **Phonebook**
                      > **Caller group**

Press	To
1 ⊙	scroll to the desired caller group
2 OK (◎)	select the caller group
3 ⊙	scroll to **Ring tone**
4 OK (◎)	select **Ring tone**
5 ⊙	scroll to the desired ring tone
6 OK (◎)	select the ring tone

Creating a Photo Caller ID for a Caller Group

You can select an image for a caller group to use. The image displays when 1 of the caller group calls you.

Find the Feature $\boxed{\cdots}$ > Phonebook
                          > Caller group

To turn on **Graphic** 1st:

	Press	**To**
1	$\textcircled{\cdot}$	scroll to the desired caller group
2	OK ($\bigcirc$)	select the caller group
3	$\textcircled{\cdot}$	scroll to **Graphic**
4	OK ($\bigcirc$)	select **Graphic**
5	ON ($\boxed{-}$)	turn on **Graphic**

To use a preset image as a photo caller ID for a caller group:

	Press	**To**
1	$\textcircled{\cdot}$	scroll to **View**
2	OK ($\bigcirc$)	select **View**
3	$\textcircled{\cdot}$	scroll to the desired preset image

	Press	To
4	**OK** (◯)	select the preset image

To use your own image as a photo caller ID for a caller group:

	Press	To
1	◉	scroll to **View**
2	**OK** (◯)	select **View**
3	◉	scroll to **Media center**
4	**OK** (◯)	select **Media center**
5	◉	scroll to the desired option
6	**OK** (◯)	select the option
7	◉	scroll to the desired folder, if necessary
8	**OK** (◯)	select the folder, if necessary
9	◉	scroll to the desired object
10	**OK** (◯)	select the object
11	**OK** (◯)	set the selected object as the caller group photo caller ID

Creating Your Personal Phonebook Entries

You can save your personal data in phonebook entries.

Find the Feature 📖 > Phonebook
> Personal number

To create your 1st phonebook entry:

	Press	**To**
1	keypad keys	enter your name
2	OK (◯)	save your name
3	keypad keys	enter your phone number
4	OK (◯)	save your phone number

To create other phonebook entries:

	Press	**To**
1	📖	open the options menu
2	◉	scroll to **Add**
3	OK (◯)	select **Add**
4	keypad keys	enter your name
5	OK (◯)	save your name
6	keypad keys	enter your phone number
7	OK (◯)	save your phone number

Changing Your Personal Phonebook Entries

Find the Feature   <img> > Phonebook
                   > Personal number

	Press	**To**
1	🔘	scroll to the desired entry
2	EDIT (⬜)	prepare to edit the selected entry
	or	
	<img> > OK (◎)	
3	keypad keys	enter your name
4	OK (◎)	save your name
5	keypad keys	enter your phone number
6	OK (◎)	save your phone number

Erasing Your Personal Phonebook Entries

Find the Feature   <img> > Phonebook
                   > Personal number

	Press	**To**
1	🔘	scroll to the desired entry
2	<img>	open the options menu
3	🔘	scroll to **Erase**

Press	To
4 OK (◎)	erase the selected entry

Using Fixed Dials

You can restrict outgoing calls to phone numbers that begin with the same digit(s) you set on the fixed dialing list.

Tip: Enter the PIN2 code to use **Fixed dial number**.

Find the Feature ▢ > **Phonebook**
> **Fixed dial number**

To turn on **Fixed dial number** 1st:

	Press	To
1	**ON (⎘)**	select **Enable fixed dialing**
2	keypad keys	enter the PIN2 code
3	**OK (◎)**	turn on **Fixed dial number**

To create the 1st fixed dial:

	Press	To
1	⊙	scroll to **Number list**
2	**OK (◎)**	select **Number list**
3	**OK (◎)**	select **Add**
4	keypad keys	enter the PIN2 code

Setting Up Your Phonebook

	Press	**To**
5	OK (◎)	confirm the code
6	keypad keys	enter a name
7	OK (◎)	save the name
8	keypad keys	enter a phone number
9	OK (◎)	save the phone number

To create other fixed dials:

Find the Feature   ▢ > **Phonebook**
                       > **Fixed dial number**
                       > **Number list**

	Press	**To**
1	⊙	scroll to any fixed dialing entry
2	▢	open the options menu
3	⊙	scroll to **Add**
4	OK (◎)	select **Add**
5	keypad keys	enter the PIN2 code
6	OK (◎)	confirm the code
7	keypad keys	enter a name
8	OK (◎)	save the name
9	keypad keys	enter a phone number
10	OK (◎)	save the phone number

Changing Fixed Dials

Find the Feature $\boxed{\Xi}$ > Phonebook
> Fixed dial number
> Number list

	Press	**To**
1	⊙	scroll to the desired fixed dialing entry
2	EDIT (⌐) **or** $\boxed{\Xi}$ > OK (◯)	select EDIT/Edit
3	keypad keys	enter the PIN2 code
4	OK (◯)	confirm the code
5	keypad keys	enter a name
6	OK (◯)	save the name
7	keypad keys	enter a phone number
8	OK (◯)	save the phone number

Erasing a Fixed Dial

Find the Feature $\boxed{\Xi}$ > Phonebook
> Fixed dial number
> Number list

	Press	**To**
1	⊙	scroll to the desired fixed dialing entry

	Press	To
2	⬚	open the options menu
3	◉	scroll to **Erase**
4	OK (◎)	select **Erase**
5	keypad keys	enter the PIN2 code
6	OK (◎)	confirm the code
7	OK (◎)	erase the selected fixed dialing entry

Erasing All Fixed Dials

Find the Feature ⬚ > **Phonebook**
> **Fixed dial number**
> **Number list**

	Press	To
1	◉	scroll to any fixed dialing entry
2	⬚	open the options menu
3	◉	scroll to **Erase all**
4	OK (◎)	select **Erase all**
5	keypad keys	enter the PIN2 code
6	OK (◎)	confirm the code
7	OK (◎)	erase all fixed dialing entries

Using Voice Dials

To dial by voice, press and hold the up or down voice activation key from the idle display until **Please say name or command** displays; then say a name into the microphone. You can create up to 10 voice dialing numbers.

Note: This option is available only for phone numbers saved on phone memory.

	Press	To
1	keypad keys	enter the 1st letter(s) of a name
2	**OK** (◯)	open your phonebook
3	⊙	scroll to the desired entry
4	**OK** (◯)	select the entry
5	⊙	scroll to the desired phone number
6	$\boxed{\Xi}$	open the options menu
7	⊙	scroll to **Add voice tag**
8	**OK** (◯)	select **Add voice tag**
9	**OK** (◯)	say a name into the microphone
		Tip: Repeat this step until **Voice tag saved** displays.

Playing Voice Dials

Find the Feature   🔲 > **Phonebook**
                              > **Voice tags**

	Press	**To**
1	⊙	scroll to the desired entry
2	OK (◯)	play the selected entry's voice dial command
	or	
	🔲 > OK (◯)	

Changing Voice Dials

Find the Feature   🔲 > **Phonebook**
                              > **Voice tags**

	Press	**To**
1	⊙	scroll to the desired entry
2	🔲	open the options menu
3	⊙	scroll to **Change**
4	OK (◯)	select **Change**
5	OK (◯)	say a name into the microphone
		Tip: Repeat this step until **Voice tag saved** displays.

Erasing Voice Dials

Find the Feature $\boxed{\equiv}$ > **Phonebook**
> **Voice tags**

	Press	To
1		scroll to the desired entry
2	$\boxed{\equiv}$	open the options menu
3		scroll to **Erase**
4	**OK** (◯)	erase the selected voice dial

Sending a Phonebook Entry as a Business Card

You can send a phonebook entry as a business card by SMS (by which you cannot edit your phonebook entry before sending it) or by text (by which you can edit your phonebook entry before sending it).

Find the Feature $\boxed{\equiv}$ > **Phonebook**
> **Search**

	Press	To
1	keypad keys	enter the 1st letter(s) of a name
2	**OK** (◯)	open your phonebook

	Press	To
3	$\bigodot$	scroll to the desired entry
4	OK ($\bigcirc$)	select the entry
5	$\boxed{\text{I}}$	open the options menu
6	$\bigodot$	scroll to **Send business card**
7	OK ($\bigcirc$)	select **Send business card**
8	$\bigodot$	scroll to the desired option (if the phonebook entry includes more than 1 phone numbers)
9	OK ($\bigcirc$)	select the option (if the phonebook entry includes more than 1 phone numbers)
10	$\bigodot$	scroll to **Send as SMS** or **Send as text**
11	OK ($\bigcirc$)	select **Send as SMS** or **Send as text**
		Note: If you select **Send as SMS**, continue the following steps. If you select **Send as text**, see page 58 to edit and send your phonebook entry as an SMS message does.
12	P.Book ($\boxminus$)	open your phonebook
13	$\bigodot$	scroll to the desired entry

	Press	To
14	OK (◎)	select the entry
		Tip: If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 13-14 to add other recipients or go to steps 18-19 to send your phonebook entry.
15	⊙	scroll to the desired phone number
16	OK (◎)	select the phone number
17	BACK (⊡)	return to the previous menu
		Tip: Repeat steps 13-14 to add other recipients or continue the following steps to send your phonebook entry.
18	BACK (⊡)	return to the previous menu
19	SEND (⌁)	send the selected phonebook entry

Sending an SMS Message from Your Phonebook

You can send an SMS message using a phonebook entry as a recipient.

Find the Feature
$\square$ > Phonebook
> Search

	Press	To
1	keypad keys	enter the 1st letter(s) of a name
2	OK (◎)	open your phonebook
3	〈◉〉	scroll to the desired entry
4	OK (◎)	select the entry
5	$\square$	open the options menu
6	〈◉〉	scroll to **Send message**
7	OK (◎)	select **Send message**
		Tip: See page 58 to write and send an SMS message.

Creating Your Personal Profile

You can create your personal profile in **Phonebook**.

Find the Feature

    ▭ > **Phonebook**
           > **My Own Card** > **Edit**

	Press	To
1	(◉)	scroll to any box
2	keypad keys	enter the suitable words
3	**OK** (◯)	save the settings

Checking Your Personal Profile

Find the Feature

    ▭ > **Phonebook**
           > **My Own Card** > **View**

Sending Your Personal Profile

To select profile information you want to send 1st:

Find the Feature

    ▭ > **Phonebook**
           > **My Own Card**
           > **Send my own** > **Info. setting**

	Press	To
1	(◉)	scroll to the desired information
2	**ON** (▭)	select the information to send
3	**BACK** (▭)	return to the previous menu

Press	To
4 **OK** (⬤)	save the settings

To send your personal profile:

Find the Feature 🔲 > **Phonebook**
> **My Own Card**
> **Send my own**
> **Send as SMS/Send as text**

To immediately send your personal profile by SMS (**Send as SMS**), see page 59. To edit and send your personal profile by text (**Send as text**), see page 58.

Erasing Your Personal Profile

Find the Feature 🔲 > **Phonebook**
> **My Own Card** > **Erase**

Personalizing Your Phone

Selecting a Language

You can specify a language for your phone to use.

Find the Feature　　　`⌷ > Settings`
　　　　　　　　　　　　　　`> Language`

Replacing the Service Provider Name

You can replace the service provider name in the internal idle display with the standby image you downloaded and saved in your phone.

Find the Feature　　　`⌷ > Settings`
　　　　　　　　　　　　　　`> Display > Standby logo > ON`

Note: This option is available only after you download and save a standby image in your phone.

Using Home Keys

You can set the 4-way navigation key (⊙), right soft

key ⊡ , and left soft key ⊡ as shortcuts to accessing
phone features.

Find the Feature 〔🔽〕 > Settings
> Home keys

Restoring Factory Settings

You can let your phone use the factory settings after
customizing it.

Find the Feature 〔🔽〕 > Settings
> Restore factory settings

Tip: Enter your phone's unlock code to restore factory
settings.

Using Quick Access Shortcuts

You can create shortcuts to launching the applications you
frequently use in **Quick access**.

To create a quick access shortcut 1st:

Find the Feature 〔🔽〕 > Quick access
> Edit

Press		To
1	(⊙)	scroll to the desired application

	Press	**To**
2	OK (◯)	select the application
3	keypad keys	enter a number between 〔1.0〕 and 〔9wxyz〕
4	SAVE (⬛)	save the setting

To quickly access an application:

Find the Feature　　〔⬛〕 **> Quick access**

	Press	**To**
1	◉	scroll to the desired application
2	OK (◯)	open the selected application

Using Phone Profiles

You can edit a phone profile, which includes ring tone, key tone, and vibrator settings. You can also rename a phone profile.

Tip: Press and hold OK (◯) from the idle display to quickly change among phone profiles.

Turning On a Phone Profile

Find the Feature $\boxed{\text{I}}$ > **Profile**
> **Normal/Meeting/Outdoors/**
> **Car/Customized/Office**
> **Activate**

Tip: To turn on **Handsfree**, plug a handsfree kit in your phone's accessory port. To turn on **Headset**, plug a headset kit in your phone's headset jack.

Customizing a Phone Profile

You can customize the following options for a phone profile.

Find the Feature $\boxed{\text{I}}$ > **Profile**
> **Normal/Meeting/Outdoors/**
> **Car/Customized/Office/**
> **Handsfree/Headset**
> **Customize**

Ringing volume	Select ring tone volume. Maximum is **Volume 5**.
Ringing tone	Select a ring tone and it will play when you have incoming calls.
Incoming call alert	Select how a ring tone works with incoming calls. **Tip:** Scroll to **Off** to turn off **Ringing tone**. If you turn off **Ringing tone** and turn on **Vibrating**, your phone vibrates when you receive calls.
Vibrating	Turn vibrator on or off.

Personalizing Your Phone

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Message alert tone	Select an alert tone and it will play when you receive messages.
	Tip: Scroll to **Off** to turn off **Message alert tone**. If you turn off **Message alert tone** and turn on **Vibrating**, your phone vibrates when you receive messages.
Key tone volume	Select key tone volume. Maximum is **Level 5**.
Key tone type	Select a key tone.
	Tip: Scroll to **Off** to turn off key tone.
Warning tones	Turn **Warning tones** on or off. **Warning tones** are played when battery power is low or there is any operation error.
Startup music	Turn **Startup music** on or off. **Startup music** is played when you turn on/off your phone.
Flip music	Turn **Flip music** on or off. **Flip music** is played when you open or close the phone flip.
Voice dial	Turn **Voice dial** on or off. To set voice dials, see page 98.
	Note: Voice dial is for **Handsfree/Headset** only.
Auto answer	Turn **Auto answer** on or off.
	Note: Auto answer is for **Handsfree/Headset** only.

Renaming a Phone Profile

Find the Feature $\boxed{\Xi}$ > Profile
                        > Meeting/Outdoors/Car/
                            Customized/Office > Rename

Muting Your Phone

You can turn off all ringers in your phone.

Find the Feature $\boxed{\Xi}$ > Profile
                        > Silence > ON

Tip: Press and hold $\boxed{\#}$ to quickly turn **Silence** on or off from the idle display.

Getting More Out of Your Phone

Sending DTMF Tones

When you are on a call, you can send Dual Tone Multi-Frequency (DTMF) tones. For example, enter your account number during a banking service call.

Press	To
keypad keys	enter your account number, for example

Making a Conference Call

You can join calls to make a conference if you have subscribed this to your service provider.

In the idle display:

	Press	To
1	keypad keys	enter a phone number
2	📞	make the 1st call
3	keypad keys	enter a phone number

	Press	To
4	🔇	make the 2nd call
		Note: The 1st call is put on hold when the 2nd call is active.
5	**OPTIONS** (⊟)	open the options menu
6	⊙	scroll to **Conference**
7	**OK** (◎)	make a conference call

Ending a Call Out of the Conference

You can end any call out of the conference.

	Press	To
1	**OPTIONS** (⊟)	open the options menu
2	⊙	scroll to **End calls**
3	**OK** (◎)	select **End calls**
4	⊙	scroll to the call you want to end
		or
		scroll to **All calls** (to end all calls at once)
5	**OK** (◎)	confirm your selection

Getting More Out of Your Phone

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Diverting Calls

You can use **Call divert** to forward incoming calls to another phone number.

Find the Feature $\boxed{\underline{\bullet}}$ > **Settings**
                                                > **Call features** > **Call divert**

Blocking Calls

You can block outgoing and/or incoming calls.

Tip: Enter a password to turn **Call barring** on or off.

Find the Feature $\boxed{\underline{\bullet}}$ > **Settings**
                                                > **Call features** > **Call barring**

Using Fax and Data Calls

In addition to voice calls, you can receive and send fax and data calls.

To receive and send fax and data calls, use an optional Motorola Original™ data cable to connect your phone to your PC.

Find the Feature $\boxed{\underline{\bullet}}$ > **Settings**
                                                > **Call features** > **Next call**

Connecting to a Service Network Manually or Automatically

You can manually connect your phone to a service network, or let your phone automatically connect to a service network whenever you turn on your phone.

Find the Feature $\square$ > Settings
                              > Network

Using a Voice Call Connection Reminder

Use a voice call connection reminder to notify you if the call you made is connected.

Find the Feature $\square$ > Settings
                              > Connection indication

Tip: Scroll to **Off** to turn the voice call connection reminder off.

Using a Voice Call Timer Reminder

Use a voice call timer reminder to notify you how much time is spent on the current call.

Find the Feature $\square$ > Settings
                              > Minute reminder

Tip: Scroll to **Off** to turn the voice call timer reminder off.

Checking Your Voice Call Timer

You can check the time you spent on different voice calls.

Find the Feature $\boxed{\equiv}$ > Recent calls
                          > Call time > Last call/All
                            calls/Received calls/Dialed
                            calls

Clearing Your Voice Call Timer

You can reset the voice call timer of all different calls.

Find the Feature $\boxed{\equiv}$ > Recent calls
                          > Call time > Clear timer

Checking Your Voice Call Cost Counter

You can use a voice call cost counter to view the cost you spent on different calls.

To create the voice call cost counter 1st:

Find the Feature $\boxed{\equiv}$ > Recent calls
                          > Call cost > Setting

Tip: Enter the PIN2 code to create the voice call cost counter.

To check your voice call cost counter:

Find the Feature $\boxed{\equiv}$ > Recent calls
                          > Call cost > Last call/All calls

Clearing Your Voice Call Cost Counter

You can reset the voice call cost counter of all different calls.

Find the Feature   ⬚ > Recent calls
                          > Call cost > Clear cost

Tip: Enter the PIN2 code to reset the voice call cost counter.

Checking Your Voice Call Cost Credit

You can check how much voice call cost credit you have.

Find the Feature   ⬚ > Recent calls
                          > Call cost > Credit remaining

Tip: Reset the voice call cost counter if you exceed the credit limit and cannot make more phone calls.

Displaying the Voice Call Timer and Cost Counter during a Call

You can display the voice call timer and voice call cost counter when you are on a call.

Network/Subscription Dependent Feature

Find the Feature   ⬚ > Recent calls
                          > In-call count
                          > Call time/Call cost

Displaying the Voice Call Timer and Cost Counter after a Call

You can display the voice call timer and voice call cost counter shortly after you end a call.

Find the Feature $\boxed{\equiv}$ > Recent calls
> Session information > ON

Using STK Services

You can use SIM Tool Kit (STK) services your service provider provides on your phone. Contact your service provider for more information on STK services.

Find the Feature $\boxed{\equiv}$ > STK

Personal Organizer Features

Using the Alarm Clock

You can set your phone as an alarm clock to remind you of important events. When the alarm clock rings, press **STOP**

(`⬅`) to permanently turn it off; press **SNOOZE** (`➡`) or any key to temporarily turn it off (at this time the screen displays **Snooze active**). Activating the snooze mode makes the alarm clock ring every 5 minutes for 3 times and then it is turned off permanently.

Find the Feature   `☰` > **Alarm clock**
                                              > **On**

	Press	To
1	keypad keys	enter the time
2	`◉` down	highlight the **Repeat type** box
3	`◉` left/right	scroll to the desired option
4	`◉` down	highlight the **Vibrator** box
5	`◉` right	turn on (put a check in) or turn off (delete a check from) the vibrator
6	`◉` down	highlight the **Alarm tone** box

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Press	**To**
7 (☉) left/right	scroll to the desired tone
8 SAVE (☐)	save the settings and turn on the alarm clock

Turning Off the Alarm Clock

Find the Feature $\boxed{\Xi}$ > Alarm clock
> Off

Creating a Calendar

You can use your phone to create personal calendars.

Find the Feature $\boxed{\Xi}$ > Tools
> Calendar > Month mode

To specifying a date 1st:

Press	**To**
1 (☉)	scroll to the desired date
	Tip: If you have already created a calendar(s) on a date, the date is highlighted. The bold-faced date means the current date.
2 OK (◯)	select the date

Personal Organizer Features

To edit your personal calendar:

	Press	**To**
1	OK (◎)	select **Add new**
2	keypad keys	enter the time
3	◉ down	highlight the **Note type** box
4	◉ left/right	scroll to the desired option
5	◉ down	highlight the **Content** box
6	keypad keys	enter the content
7	◉ down	highlight the **Name** box
8	▭	open the options menu
9	◉	scroll to **From phonebook**
10	OK (◎)	select **From phonebook**
11	◉	scroll to the desired entry
12	OK (◎)	select the entry
13	◉	scroll to the desired phone number
14	OK (◎)	select the phone number
15	◉ down	highlight the **Circulation type** box
16	◉ left/right	scroll to the desired option

	Press	To
17	(•) down	highlight the **Alarm** box
18	(•) left/right	scroll to the desired option **Tip:** Scroll to **Off** to make the following **Vibrator** and **Alarm tone** options unavailable.
19	(•) down	highlight the **Vibrator** box
20	(•) right	turn the vibrator on or off
21	(•) down	highlight the **Alarm tone** box
22	(•) left/right	scroll to the desired option
23	**SAVE** (⟋)	save the settings

Checking a Calendar

You can view the details of the selected calendar.

Find the Feature   ⟦≡⟧ > **Tools**
                              > **Calendar** > **View all notes**

Press	To
(•)	check the desired calendar

Personal Organizer Features

Erasing a Calendar

Find the Feature $\square$ > Tools
   > Calendar > Erase notes
   > One by one

	Press	To
1	(scroll)	scroll to the desired calendar
2	OK (◯)	erase the selected calendar

Moving or Copying a Calendar to Another Date

Find the Feature $\square$ > Tools
   > Calendar > View all notes

	Press	To
1	(scroll)	scroll to the desired calendar
2	OK (◯)	select the calendar
3	$\square$	open the options menu
4	(scroll)	scroll to **Move** or **Copy**
5	OK (◯)	select **Move** or **Copy**
6	keypad keys	enter a date
7	OK (◯)	move or copy the selected calendar to the specified date

Sending an SMS Message from Calendar

You can select a calendar and compose an SMS message to send.

Find the Feature
$\square$ > **Tools**
> **Calendar** > **View all notes**

	Press	To
1	⊙	scroll to the desired calendar
2	**OK** (◎)	select the calendar
3	$\square$	open the options menu
4	⊙	scroll to **Send note**
5	**OK** (◎)	select **Send note**
6	⊙	scroll to **Send as SMS/Send as text**
7	**OK** (◎)	select **Send as SMS/Send as text** **Tip:** If you select **Send as SMS**, see page 59 to immediately send your calendar. If you select **Send as text**, see page 58 to edit and send your calendar.

Personal Organizer Features

Making a Call from Calendar

You can select a calendar and dial the phone number on it.

Find the Feature $\boxed{\Xi}$ > Tools
                           > Calendar > View all notes

	Press	To
1	$\textcircled{\raisebox{-0.3ex}{\scriptsize$\odot$}}$	scroll to the desired calendar
2	OK ($\bigcirc$)	select the calendar
3	$\boxed{\Xi}$	open the options menu
4	$\textcircled{\raisebox{-0.3ex}{\scriptsize$\odot$}}$	scroll to Call
5	OK ($\bigcirc$)	make a call

Creating an Account Book

You can use your phone to create account books.

Find the Feature $\boxed{\Xi}$ > Tools
                           > Calendar > Account book
                           > Make accounts

	Press	To
1	keypad keys	enter a date
2	$\textcircled{\raisebox{-0.3ex}{\scriptsize$\odot$}}$ down	highlight the **Amount** box
3	keypad keys	enter an amount
4	$\textcircled{\raisebox{-0.3ex}{\scriptsize$\odot$}}$ down	highlight the **Item** box

	Press	**To**
5	keypad keys	describe an item
6	⊙ down	highlight the **In/Out** box
7	⊙ left/right	scroll to the desired option
8	**SAVE** (⊟)	save the settings

Checking Your Income

Find the Feature　　　▦ > **Tools**
　　　　　　　　　　　　　　> **Calendar** > **Account book**
　　　　　　　　　　　　　　> **Total count** > **Of chosen**
　　　　　　　　　　　　　　　month/All accounts > **In**

Checking Your Expense

Find the Feature　　　▦ > **Tools**
　　　　　　　　　　　　　　> **Calendar** > **Account book**
　　　　　　　　　　　　　　> **Total count** > **Of chosen**
　　　　　　　　　　　　　　　month/All accounts > **Out**

Checking Your Balance

Find the Feature　　　▦ > **Tools**
　　　　　　　　　　　　　　> **Calendar** > **Account book**
　　　　　　　　　　　　　　> **Total count** > **Of chosen**
　　　　　　　　　　　　　　　month/All accounts
　　　　　　　　　　　　　　> **Balance**

Erasing Account Books

Find the Feature   ⬚ > Tools
                         > Calendar > Account book
                         > Erase accounts

Using the Calculator

You can use your phone to perform simple calculations and convert currency as a handheld calculator does.

To perform simple calculations:

Find the Feature   ⬚ > Tools
                         > Calculator

	Press	**To**
1	number keys	enter numbers
	⬚	enter a decimal point
	⬚ up	perform **Add**
	⬚ down	perform **Subtract**
	⬚ left	perform **Multiply**
	⬚ right	perform **Divide**
2	⬚	display the result

To set an exchange rate:

Find the Feature $\boxed{\text{:::}}$ > Tools
                         > Calculator

	Press	To
1	OPTIONS ($\boxdot$)	open the options menu
2	$\bigodot$	scroll to **Exchange rate**
3	OK ($\bigcirc$)	select **Exchange rate**
4	$\bigodot$	scroll to **Foreign unit expressed in domestic units** or **Domestic unit expressed in foreign units**
5	OK ($\bigcirc$)	select **Foreign unit expressed in domestic units** or **Domestic unit expressed in foreign units**
6	keypad keys	enter an exchange rate
		Tip: Press $\boxed{\#\,}$ to enter a decimal point.
7	OK ($\boxdot$)	save the setting

To convert currency:

Find the Feature $\boxed{\text{:::}}$ > Tools
                         > Calculator

	Press	To
1	number keys	enter numbers
2	OPTIONS ($\boxdot$)	open the options menu

Personal Organizer Features

	Press	To
3	⦿	scroll to **In foreign** or **In domestic**
4	**OK** (◎)	display the result

Using the Stopwatch

You can use your phone as a stopwatch to perform split or lap timing.

Find the Feature
> **Tools**
> **Stopwatch**
> **Split timing/Lap timing**

	Press	To
1	**START** (⊟)	start the split or lap timing operation
2	**SPLIT/LAP** (⊟)	end the current operation and continue to start a new 1
3	**STOP** (⊟)	stop the operation

Saving Records

You can save records after stopping the operation.

	Press	To
1	**OPTIONS** (⊟)	open the options menu
2	⦿	scroll to **Save**
3	**OK** (◎)	select **Save**

	Press	To
4	keypad keys	enter a name
5	OK (⊡)	save records

Resuming Operation

You can resume the operation after stopping it.

	Press	To
1	OPTIONS (⊡)	open the options menu
2	OK (◯)	resume operation

Clearing Records

You can clear records after stopping the operation.

	Press	To
1	OPTIONS (⊡)	open the options menu
2	⊙	scroll to **Reset**
3	OK (◯)	clear records

Checking Records

You can view the details of records you saved.

Find the Feature ▱ > Tools
> Stopwatch > View times

Personal Organizer Features

Erasing a Record

Find the Feature $\boxed{\Xi}$ > Tools
> Stopwatch
> Erase times > One By One

Erasing All Records

Find the Feature $\boxed{\Xi}$ > Tools
> Stopwatch
> Erase times > All at once

Using Voice Launchers

To launch an option by voice, press and hold the up or down voice activation key from the idle display until **Please say name or command** presents; then say a command into the microphone.

Find the Feature $\boxed{\Xi}$ > Tools
> Voice commands

	Press	**To**
1	$\odot$	scroll to **Add command**
2	OK ($\bigcirc$)	select **Add command**
3	$\odot$	scroll to the desired option
4	OK ($\bigcirc$)	select the option

	Press	**To**
5	OK (◯)	say a command into the microphone
		Tip: Repeat this step until **Voice command saved** displays.

Playing Voice Launchers

Find the Feature ☰ > **Tools**
 > **Voice commands**

	Press	**To**
1	(◉)	scroll to the desired voice launcher
2	OK (◯)	select the voice launcher
3	OK (◯)	play the selected voice launcher

Changing Voice Launchers

Find the Feature ☰ > **Tools**
 > **Voice commands**

	Press	**To**
1	(◉)	scroll to the desired voice launcher
2	OK (◯)	select the voice launcher
3	(◉)	scroll to **Change**
4	OK (◯)	select **Change**

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Press	To
5 OK (◎)	say a command into the microphone
	Tip: Repeat this step until **Voice command saved** displays.

Erasing Voice Launchers

Find the Feature ⬚ > Tools
> Voice commands

Press	To
1 ⟨◉⟩	scroll to the desired voice launcher
2 OK (◎)	select the voice launcher
3 ⟨◉⟩	scroll to **Erase**
4 OK (◎)	select **Erase**
5 OK (◎)	erase the selected voice launcher

Displaying World Time

Find the Feature ⬚ > Settings
> Clock > World clock

Press	To
1 ⟨◉⟩	scroll to the desired place

Personal Organizer Features

	Press	To
2	OK (◎)	display time and other information on the selected place

Using the Voice Recorder

You can use the voice recorder in your phone to record voice notes for up to 30 seconds each.

Caution: Obey the local law or regulations when you use the voice recorder.

Find the Feature   ▣ > Voice notes

	Press	To
1	OK (◎)	record a voice note
2	STOP (⬜)	stop recording, if necessary
3	keypad keys	enter a name
4	OK (⬜)	save the voice note

Playing a Voice Note

To turn on the speaker 1st:

	Press	To
1	⊙	scroll to any voice note
2	▣	open the options menu

Personal Organizer Features

	Press	To
3	(scroll)	scroll to **Speaker setting**
4	**ON** (▢)	turn on the speaker

To play a voice note:

	Press	To
1	(scroll)	scroll to the desired voice note
2	(menu)	open the options menu
3	(scroll)	scroll to **Playback**
4	**OK** (○)	play the selected voice note
5	**STOP** (▢)	stop playing the selected voice note, if necessary

Turning Off the Voice Recorder

Press	To
⌧	turn the voice recorder off

Renaming a Voice Note

	Press	To
1	(scroll)	scroll to the desired voice note
2	(menu)	open the options menu

	Press	To
3	⊙	scroll to **Rename**
4	OK (◯)	select **Rename**
5	keypad keys	enter a new name
6	OK (◻)	save the new name

Deleting a Voice Note

	Press	To
1	⊙	scroll to the desired voice note
2	▭	open the options menu
3	⊙	scroll to **Delete**
4	OK (◯)	select **Delete**
5	OK (◯)	delete the selected voice note

Deleting All Voice Notes

	Press	To
1	⊙	scroll to any voice note
2	▭	open the options menu
3	⊙	scroll to **Delete all**
4	OK (◯)	select **Delete all**

	Press	To
5	OK (◎)	delete all voice notes

Sending a Voice Note

You can send your voice note via either phone number or email address.

Find the Feature   ▢▣ > **Voice notes**

To send via a phone number:

	Press	To
1	⟨◉⟩	scroll to the desired voice note
2	▢▣	open the options menu
3	⟨◉⟩	scroll to **Send in message**
4	OK (◎)	select **Send in message**
5	keypad keys	enter your message
6	SEND (▢)	select **SEND**
7	P.BOOK (▢)	open your phonebook
8	⟨◉⟩	scroll to the desired entry

	Press	To
9	**OK** (◎)	select the entry
		Tip: If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 8-9 to add other recipients or go to steps 13-14 to send your voice note.
10	⦿	scroll to the desired phone number
11	**OK** (◎)	select the phone number
12	**BACK** (⌑)	return to the previous menu
		Tip: Repeat steps 8-9 to add other recipients or continue the following steps to send your voice note.
13	**BACK** (⌑)	return to the previous menu
14	**SEND** (⌑)	send your voice note

To send via an email address:

	Press	To
1	⦿	scroll to the desired voice note
2	▭	open the options menu
3	⦿	scroll to **Send in message**

Personal Organizer Features

	Press	To
4	OK (◎)	select **Send in message**
5	keypad keys	enter your message
6	SEND (⌐)	select **SEND**
7	⊡	open the options menu
8	◉	scroll to **New e-mail address**
9	OK (◎)	select **New e-mail address**
10	keypad keys	enter an email address
11	OK (◎)	add the email address to the **Recipients** box
		Tip: Repeat steps 7-11 to add other recipients.
12	SEND (⌐)	send your voice note

Checking a Voice Note

You can view the details of the selected voice note.

Find the Feature　　　⊡ > **Voice notes**

	Press	To
1	◉	scroll to the desired voice note
2	⊡	open the options menu
3	◉	scroll to **Details**

Press	**To**
4 OK (◉)	check the selected voice note

Sorting Voice Notes

You can sort voice notes by various types.

Find the Feature ⬚ > **Media center**
 > **Voice notes**

	Press	**To**
1	◉	scroll to any voice note
2	⬚	open the options menu
3	◉	scroll to **Sort files**
4	OK (◉)	select **Sort files**
5	◉	scroll to the desired option
6	OK (◉)	sort voice notes by the selected option

Security

Locking and Unlocking the Keypad

You can lock the keypad to avoid accidental keypresses.

Tip: Press ![phone icon] to answer calls even the keypad is locked.

Locking the Keypad Manually

Find the Feature ![menu icon] > Settings
> Key lock > Lock now

Locking the Keypad Automatically

You can automatically lock the keypad if no activity occurs in 20 seconds.

Find the Feature ![menu icon] > Settings
> Key lock > Auto

Unlocking the Keypad

In the idle display:

Press	To
OK (⃝) and ![key]	unlock the keypad

Using a Closed User Group

You can specify a closed user group that is able to call you and receive your calls.

Tip: Scroll to **Preset** to use the default closed user group you subscribed to your service provider.

News and Entertainment

Playing a Game

You can play several fun games on your phone.

Find the Feature ⬚ > Games

Managing a Photo Album

You can create a new photo album, view photo thumbnails in a photo album, delete or rename a photo album, delete a photo(s) from a photo album, move a photo(s) to another photo album, select a photo album to play slide shows, sort photo albums by name or date.

Find the Feature ⬚ > Media center
> Photo album

Drawing a Picture

You can create your own pictures on your phone and use them as a wallpaper or screen saver image or a photo caller ID.

Find the Feature ⬚ > Media center
> Picture

Inserting a Background Image

You may use a photo/picture/animation as a background image on the canvas.

	Press	**To**
1	⌨	open the options menu
2	OK (◯)	select **New**
3	OPTIONS (⊟)	open the options menu
	or	
	⌨	
4	OK (◯)	select **Open**
5	⊙	scroll to the desired option
6	OK (◯)	select the option
7	⊙	scroll to the desired folder, if necessary
8	OK (◯)	select the folder, if necessary
9	⊙	scroll to the desired object
10	OK (◯)	select the object
11	OK (◯)	set the selected object as a background image

News and Entertainment

Selecting a Pen Mode

You can draw dots and/or lines on the canvas. You can also use the eraser to remove them from the canvas.

	Press	To
1	OPTIONS (◰)	open the options menu
	or	
	▭	
2	◉	scroll to **Pen mode**
3	OK (◯)	select **Pen mode**
4	◉	scroll to the desired pen mode
5	OK (◯)	select the pen mode

Tip: Press 0+ to quickly choose a **Pen mode**.

Selecting a Pen Color

You can select a color for your pen to draw dots and/or lines.

Note: This option is not available for the eraser.

	Press	To
1	OPTIONS (◰)	open the options menu
	or	
	▭	

	Press	**To**
2	◎	scroll to **Pen color**
3	OK (◎)	select **Pen color**
4	◎	scroll to the desired color
5	OK (◎)	select the color

Tip: Press 🔳 to quickly choose a **Pen color**.

Selecting a Pen Size

You can specify the size for your pen to draw dots and/or lines and also for your eraser to remove dots and/or lines.

	Press	**To**
1	OPTIONS (▭) **or** 🔳	open the options menu
2	◎	scroll to **Pen size**
3	OK (◎)	select **Pen size**
4	◎	scroll to the desired size
5	OK (◎)	select the size

Tip: Press 🔳 to quickly choose a **Pen size**.

Selecting a Pen Step

You can specify how many steps for your pen and eraser to move on the canvas.

	Press	To
1	OPTIONS (▭)	open the options menu
	or	
	▭▭	
2	◉	scroll to **Pen step**
3	OK (◎)	select **Pen step**
4	◉	scroll to the desired step
5	OK (◎)	select the step

Setting a Canvas Size

You can define the size for your canvas.

	Press	To
1	OPTIONS (▭)	open the options menu
	or	
	▭▭	
2	◉	scroll to **Picture size**
3	OK (◎)	select **Picture size**

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	Press	To
4	left/right	scroll to the desired width
5	down	highlight the **Height** box
6	left/right	scroll to the desired height
7	OK (○)	save the settings

Beginning to Draw a Picture

After configuring the options above, you can start to draw pictures on the canvas.

	Press	To
1	⊙	move the cursor to the desired direction
	or	
	1 2 3 4 6 7 8 9	
2	OK (○)	draw a dot and/or line on the canvas or remove any from the canvas
	or	
	5	

Zooming In or Out on Your Picture

You can zoom in or out on your picture from the canvas.

	Press	**To**
1	OPTIONS (⬛)	open the options menu
	or	
	⬛	
2	⬆⬇	scroll to **Zoom in** or **Zoom out**
3	OK (⬤)	zoom in or out on your picture

Clearing the Canvas

You can remove all dots and lines from the canvas.

	Press	**To**
1	OPTIONS (⬛)	open the options menu
	or	
	⬛	
2	⬆⬇	scroll to **Clear screen**
3	OK (⬤)	clear the canvas

Saving Your Picture

You can save your created picture in **Media center** > **Picture**.

	Press	**To**
1	**OPTIONS** (⬡)	open the options menu
	or	
	⬚	
2	⬚⊙	scroll to **Save**
3	**OK** (◯)	select **Save**
4	keypad keys	enter a name
5	**OK** (◯)	save your picture in **Media center** > **Picture**

Cropping Photos, Pictures, or Animations

You can isolate a specific area of the desired photo/ picture/animation. When you activate the **Cropper** feature, a crop box will appear, everything outside of the box will be removed. You can also adjust the position, size, and shape of the box.

Find the Feature   ⬚ > **Tools**
  > **My picture**
  > **Cropper**

Composing a Melody

You can use your phone to compose melodies and use them as a ring tone for incoming calls.

Find the Feature
　　　　　　 ▢▣ > **Media center**
　　　　　　　　　 > **Melody**

Creating a New Melody

You can create a melody of your own.

	Press	To
1	▢▣	open the options menu
2	OK (◯)	select **New**
3	◉	move the pointer
4	keypad keys	compose your melody (see page 152)

Changing a Melody

You can adapt a melody to meet with your needs.

	Press	To
1	▢▣	open the options menu
2	OK (◯)	select **New**
3	OPTIONS (▭)	open the options menu
4	OK (◯)	select **Open**
5	◉	scroll to the desired melody

	Press	To
6	**OK** (◯)	select the melody
7	**OK** (◯)	insert the selected melody to the staff
8	◉ left/right	scroll to the desired note/rest
9	keypad keys	change the selected note/rest (see page 152)

Using Keypad Keys to Compose a Melody

Press	To
1	insert a C sharp note
2	insert a D sharp note
3	insert an E sharp note
4	insert an F sharp note
5	insert a G sharp note
6	insert an A sharp note
7	insert a B sharp note
8	increase the length of the selected note/rest
9	move the selected note 1 octave up
0	decrease the length of the selected note/rest
#	move the selected note 1 octave down

News and Entertainment

Press	To
▽	insert a rest
⌐	remove the selected note/rest
(⊙) up	move the selected note up on the staff
(⊙) down	move the selected note down on the staff

Selecting an Instrument

You can select an instrument to play your composed melody on the staff.

	Press	To
1	OPTIONS (⌐)	open the options menu
2	(⊙)	scroll to **Instruments**
3	OK (○)	select **Instruments**
4	(⊙)	scroll to the desired instrument
5	OK (○)	select the instrument
6	(⊙)	scroll to the desired option
7	OK (○)	select the option

Selecting a Tempo

You can select a tempo to play your composed melody on the staff.

	Press	**To**
1	OPTIONS (⬜)	open the options menu
2	⊙	scroll to **Tempo**
3	OK (◯)	select **Tempo**
4	⊙	scroll to the desired tempo
5	OK (◯)	select the tempo

Playing Your Melody

You can play your composed melody on the staff.

	Press	**To**
1	OPTIONS (⬜)	open the options menu
2	⊙	scroll to **Play**
3	OK (◯)	play your melody with the selected instrument and tempo

Saving Your Melody

You can save your composed melody in **Media center** > **Melody**.

	Press	To
1	OPTIONS (☐)	open the options menu
2	⬡	scroll to **Save**
3	OK (◎)	select **Save**
4	keypad keys	enter a name
5	OK (◎)	save your melody in **Media center** > **Melody**

Clearing the Staff

You can remove all notes and rests from the staff.

	Press	To
1	OPTIONS (☐)	open the options menu
2	⬡	scroll to **Clear screen**
3	OK (◎)	clear the staff

Viewing a Multimedia Object

Multimedia objects include photos, pictures, animations, melodies, voice notes, and video clips.

Find the Feature

$\boxed{}$ > Media center
> Photo album/Picture/
Animation/Melody/Voice
notes/Video

	Press	To
1	$\textcircled{\textcircled{\cdot}}$	scroll to the desired folder, if necessary
2	**OK** ($\bigcirc$)	select the folder, if necessary
3	$\textcircled{\textcircled{\cdot}}$	scroll to the desired object
4	**OK** ($\bigcirc$)	view/play the selected object **Tip:** To display the previous/next photos or pictures, press $\textcircled{\textcircled{\cdot}}$ up or down. To zoom in/out on photos or pictures, press **OK** ($\bigcirc$) > scroll $\textcircled{\textcircled{\cdot}}$ up or down. To scroll through the photo or picture you zoomed in, press **OK** ($\bigcirc$) > scroll $\textcircled{\textcircled{\cdot}}$ up, down, left, or right. Press **OK** ($\bigcirc$) again to toggle between the zooming or scrolling mode.

Sending a Multimedia Object

You can send multimedia objects via either phone number or email address.

Find the Feature `☐☐` > **Media center**
> **Photo album/Picture/ Animation/Melody/Voice notes/Video**

To send via a phone number:

	Press	**To**
1	`⊙`	scroll to the desired folder, if necessary
2	**OK** (`◎`)	select the folder, if necessary
3	`⊙`	scroll to the desired object
4	`☐☐`	open the options menu
5	`⊙`	scroll to **Send**
6	**OK** (`◎`)	select **Send**
7	keypad keys	enter your message
8	**SEND** (`☐`)	select **SEND**
9	**P.BOOK** (`☐`)	open your phonebook
10	`⊙`	scroll to the desired entry

Press	**To**
11 **OK** (◎)	select the entry
	Tip: If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 10-11 to add other recipients or go to steps 15-16 to send your selected object.
12 ⊙	scroll to the desired phone number
13 **OK** (◎)	select the phone number
14 **BACK** (▭)	return to the previous menu
	Tip: Repeat steps 10-11 to add other recipients or continue the following steps to send your selected object.
15 **BACK** (▭)	return to the previous menu
16 **SEND** (▭)	send your selected object

To send via an email address:

Press	**To**
1 ⊙	scroll to the desired folder, if necessary
2 **OK** (◎)	select the folder, if necessary
3 ⊙	scroll to the desired object

	Press	To
4	⬜	open the options menu
5	🔘	scroll to **Send**
6	OK (🔘)	select **Send**
7	keypad keys	enter your message
8	SEND (⌐)	select **SEND**
9	⬜	open the options menu
10	🔘	scroll to **New e-mail address**
11	OK (🔘)	select **New e-mail address**
12	keypad keys	enter an email address
13	OK (🔘)	add the email address to the **Recipients** box **Tip:** Repeat steps 9-13 to add other recipients.
14	SEND (⌐)	send your selected object

Renaming a Multimedia Object

Find the Feature ⬜ > **Media center**
> **Photo album/Picture/ Animation/Melody/Voice notes/Video**

	Press	To
1	🔘	scroll to the desired folder, if necessary

	Press	To
2	OK (◯)	select the folder, if necessary
3	⊙	scroll to the desired object
4	▭	open the options menu
5	⊙	scroll to **Rename**
6	OK (◯)	select **Rename**
7	keypad keys	enter a new name
8	OK (◯)	save the new name

Moving a Photo/Picture to Another Photo Album

Find the Feature ▭ > **Media center**
> **Photo album/Picture**

	Press	To
1	⊙	scroll to the desired folder, if necessary
2	OK (◯)	select the folder, if necessary
3	⊙	scroll to the desired object
4	▭	open the options menu
5	⊙	scroll to **Move to**
6	OK (◯)	select **Move to**

Press		To
7	(⊙)	scroll to the desired photo album
8	OK (◎)	move the selected object to the specified photo album

Playing a Java Game

You can play several Java games on your phone.

Find the Feature ⌷⌷ > **Java**

Tip: Before playing Java games, set the amount of time that both the display and the keypad backlights remain on to maximum. (To maximize **Backlight**, press ⌷⌷ > **Settings** > **Backlight** > **20 secs**.)

Configuring Java Settings

Find the Feature ⌷⌷ > **Settings** > **Java settings**

Using the Camera

Caution: Obey the local law or regulations when you use your phone camera to capture images.

Find the Feature ⌷⌷ > **Camera**

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Taking and Saving a Picture

You can use the internal display as a viewer to take photos.

	Press	**To**
1	**OK** (⃝)	take a picture
2	**OK** (⃝)	save the picture in **Media center** > **Photo album** > the default photo album

You can also use the external display as a viewer to take photos.

	Action
1	Close the flip after launching **Camera**.
2	Press and hold the up or down camera key to capture images.
3	Open the flip.
4	Press **OK** (⃝) to save the picture in **Media center** > **Photo album** > the default photo album.

The icons shown in the display indicate the following:

	indicates you can press ⌐ or **OK** (⚪) to save the picture you took in **Media center** > **Photo album** > the default photo album. (The picture you saved is automatically named. To rename it, see page 159.)
	indicates you can press ⌐ to turn the camera off.

Naming a Picture Manually

You can manually name the picture you just took and then store it in your phone. By default, the picture you took and saved is automatically named.

	Press	**To**
1	⌷	open the options menu
2	⌾	scroll to **Rename**
3	**OK** (⚪)	select **Rename**
4	keypad keys	enter a name
5	**OK** (⚪)	save the picture you just took

Saving a Picture as a Wallpaper Image

You can save the picture you just took as a wallpaper image. You can also set the 1st shot as a wallpaper image

after you capture images successively at a time in the **Multi-shot** mode.

	Press	To
1	▭	open the options menu
2	⊙	scroll to **Apply as wallpaper**
3	OK (◯)	select **Apply as wallpaper**
4	⊙	scroll to the desired display where the taken picture will be used as a background image
5	OK (◯)	select the display
6	⊙	scroll to any entry
7	OK (◯)	set the taken picture as a wallpaper image and save it both in **Media center** > **Photo album** > the default folder and in **Settings** > **Display/External display** > **Wallpaper**

Saving a Picture as a Screen Saver Image

You can save the picture you just took as a screen saver image. You can also set all the shots as a screen saver

image after you capture images successively at a time in the **Multi-shot** mode.

	Press	**To**
1	📼	open the options menu
2	🔘	scroll to **Apply as screen saver**
3	**OK (🔘)**	select **Apply as screen saver**
4	🔘	scroll to the desired display where the taken picture will be used as a screen saver image
5	**OK (🔘)**	select the display
6	🔘	scroll to any entry
7	**OK (🔘)**	set the taken picture as a screen saver image and save it both in **Media center** > **Photo album** > the default folder and in **Settings** > **Display/External display** > **Screen saver**

Sending a Picture

You can send the picture you just took via either phone number or email address.

To send via a phone number:

	Press	To
1	⬜	open the options menu
2	OK (◯)	select **Send**
3	keypad keys	enter your message
4	SEND (⬛)	select **SEND**
5	P.BOOK (⬛)	open your phonebook
6	◉	scroll to the desired entry
7	OK (◯)	select the entry
		Tip: If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 6-7 to add other recipients or go to steps 11-12 to send your picture.
8	◉	scroll to the desired phone number
9	OK (◯)	select the phone number
10	BACK (⬛)	return to the previous menu
		Tip: Repeat steps 6-7 to add other recipients or continue the following steps to send your picture.
11	BACK (⬛)	return to the previous menu

Press	To
12 SEND (⌐)	send your picture

To send via an email address:

	Press	To
1	▭	open the options menu
2	OK (◎)	select **Send**
3	keypad keys	enter your message
4	SEND (⌐)	select **SEND**
5	▭	open the options menu
6	◉	scroll to **New e-mail address**
7	OK (◎)	select **New e-mail address**
8	keypad keys	enter an email address
9	OK (◎)	add the email address to the **Recipients** box
		Tip: Repeat steps 5-9 to add other recipients.
10	SEND (⌐)	send your picture

Turning Off the Camera

Press	To
⌐	turn your phone camera off

Customizing the Camera

You can customize the camera settings to suit your needs before taking pictures.

Find the Feature   `⌷▣⌷ > Camera`

Using the Zoom Lens

Press	To
⊙ up/down	zoom in/out on the image you are about to capture

Tip: 📷 indicates the zoom lens control.

Adjusting the Viewer Brightness

Press	To
⊙ left/right	decrease/increase the viewer brightness

Tip: 📷 indicates the viewer brightness control.

Using the Flash

Press	To
ON/OFF (⊟)	turn the flash on or off

Tip: 📷 and ⚡ indicate the flash is turned on.
⚡ indicates the flash is turned off.

Selecting a Picture Resolution

The better resolution your picture has, the more phone memory your picture uses.

160x120	supports the **Landscape** mode 🏔 and 9x digital zoom lens.
320x240	supports the **Landscape** mode 🏔 and 9x digital zoom lens.
640x480	supports the **Landscape** mode 🏔 and 9x digital zoom lens.
1280x960	supports the **Landscape** mode 🏔 , not supporting digital zoom lens.
128x160	supports the **Portrait** mode 😐 and 9x digital zoom lens.

	Press	To
1	▣	open the options menu
2	**OK** (◎)	select **Resolution**
3	◉	scroll to the desired resolution
4	**OK** (◎)	select the resolution
5	**BACK** (▭)	return to the previous menu
6	**BACK** (▭)	prepare to capture images

Selecting a Picture Quality

The better quality your picture has, the more phone memory your picture uses.

Fine IIIII   provides best quality.

Normal IIIII   provides regular quality.

Basic IIIII   provides poor quality.

	Press	To
1	▭	open the options menu
2	◉	scroll to **Quality**
3	OK (◯)	select **Quality**
4	◉	scroll to the desired quality
5	OK (◯)	select the quality
6	BACK (▭)	return to the previous menu
7	BACK (▭)	prepare to capture images

Framing a Picture

You can add a frame around the image you want to capture.

	Press	To
1	▭	open the options menu

	Press	**To**
2	◎	scroll to **Frame**
3	**OK** (◎)	select **Frame**
4	◎	scroll to **On**
5	**OK** (◎)	select **On**
6	◎	scroll to the desired frame
7	**OK** (◎)	select the frame
8	**OK** (◎)	prepare to capture images

Tip: This option is available only for the pictures with **128x160** resolution.

Using Multi-Shots

You can capture a number of images at a time while in the **Multi-shot** mode. The **Multi-shot** mode falls into 2 types: **Continuous** and **Composite**. **Continuous** allows you to take 6, 9, or 15 photos successively at a specified speed. **Composite** allows you to take 2 shots over the horizontal or vertical axis.

If you choose **Continuous** to capture images successively:

	Press	**To**
1	▭	open the options menu
2	◎	scroll to **Multi-shot**
3	**OK** (◎)	select **Multi-shot**

	Press	To
4	⬖	scroll to **Continuous**
5	OK (◯)	select **Continuous**
6	⬖	scroll to **High speed** or **Normal speed**
7	OK (◯)	select **High speed** or **Normal speed**
8	⬖	scroll to **6 shots** or **9 shots** or **15 shots**
9	OK (◯)	select **6 shots** or **9 shots** or **15 shots**
10	OK (◯)	take the specified shots at a time
11	Save all (⎕)	save the taken pictures in a folder named the starting **Continuous** under **Media center** > **Photo album** > the default photo album
	or	
	⬚ > **Save**	**or** save the taken pictures separately in **Media center** > **Photo album** > the default photo album

If you choose **Composite** to take 2 shots over the horizontal or vertical axis:

	Press	To
1	⬚	open the options menu

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	Press	**To**
2	⊙	scroll to **Multi-shot**
3	OK (◎)	select **Multi-shot**
4	⊙	scroll to **Composite**
5	OK (◎)	select **Composite**
6	⊙	scroll to **Horizontal** or **Vertical**
7	OK (◎)	select **Horizontal** or **Vertical**
8	OK (◎) twice	take 2 shots over the horizontal or vertical axis
9	OK (◎)	save the taken picture in **Media center** > **Photo album** > the default photo album

Rotating a Picture

You can rotate the image you are about to capture to the desired direction.

	Press	**To**
1	⬛	open the options menu
2	⊙	scroll to **Rotate**
3	OK (◎)	select **Rotate**
4	⊙	scroll to the desired option

	Press	To
5	OK (◯)	rotate the image to the desired direction

Using the Twilight Mode

You can use the **Twilight mode** in the dark.

	Press	To
1	▭	open the options menu
2	⊙	scroll to **Twilight mode**
3	ON (▱)	turn the **Twilight mode** on
4	OK (◯)	prepare to capture images

Tip: ▧ indicates the **Twilight mode** is turned on.

Using the Self-Timer

You can use the **Self timer** to have a 10-second delay before a photo is taken.

	Press	To
1	▭	open the options menu
2	⊙	scroll to **Self timer**
3	ON (▱)	turn the **Self timer** on
4	OK (◯)	prepare to capture images
5	OK (◯)	take a picture in 10 seconds

Tip: 🕐 indicates the **Self timer** is turned on.

Turning the Shutter Sound On or Off

You can turn the **Shutter sound** on or off before taking photos.

	Press	**To**
1	⌨	open the options menu
2	◉	scroll to **Shutter sound**
3	ON/OFF (⎘)	turn the **Shutter sound** on or off
4	OK (◯)	prepare to capture images

Selecting a White Balance

There are 4 white balance modes for you to choose from before taking photos.

Auto 🔆   indicates your phone camera will adjust itself to the environment where you want to capture images.

Sunlight ☀   indicates you want to capture images outdoors on a sunny day.

Fluorescent 🔅   indicates you want to capture images in a room with fluorescent lighting.

Incandescent 🔲   indicates you want to capture images under incandescent light.

	Press	**To**
1	⌨	open the options menu

	Press	To
2	(scroll)	scroll to **White balance**
3	OK (O)	select **White balance**
4	(scroll)	scroll to the desired mode
5	OK (O)	select the mode
6	BACK (⌐)	return to the previous menu
7	BACK (⌐)	prepare to capture images

Using the Video Recorder

You can use the video recorder to record up to 15 seconds of every video clip.

Caution: Obey the local law or regulations when you use the video recorder.

Find the Feature   ▭ **> V. recorder**

Selecting a Time Length to Record a Video Clip

You can specify a time length (up to 15 seconds) to create a video clip.

	Press	To
1	▭	open the options menu
2	(scroll)	scroll to **Time to record**

	Press	**To**
3	OK (◯)	select **Time to record**
4	⟨◉⟩	scroll to the desired time length
5	OK (◯)	select the time length

Creating a Video Clip

You can start to record a video clip after selecting a time length.

	Press	**To**
1	OK (◯)	start recording
2	OK (◯)	stop recording, if necessary
3	OK (◯)	prepare to save the recorded video clip
4	keypad keys	enter a name
5	OK (◯)	save the recorded video clip

Playing a Video Clip

	Press	**To**
1	▭	open the options menu
2	OK (◯)	select **Open**
3	⟨◉⟩	scroll to the desired video clip
4	OK (◯)	play the selected video clip

	Press	To
5	OK (◎)	stop playing the selected video clip, if necessary

Turning Off the Video Recorder

Press	To
⟋⊚	turn the video recorder off

Renaming a Video Clip

	Press	To
1	▭	open the options menu
2	OK (◎)	select **Open**
3	◉	scroll to the desired video clip
4	▭	open the options menu
5	◉	scroll to **Rename**
6	OK (◎)	select **Rename**
7	keypad keys	enter a new name
8	OK (◎)	save the new name

Deleting a Video Clip

	Press	To
1	▭	open the options menu

	Press	To
2	OK (◎)	select **Open**
3	(◉)	scroll to the desired video clip
4	▭	open the options menu
5	(◉)	scroll to **Delete**
6	OK (◎)	select **Delete**
7	OK (◎)	delete the selected video clip

Sending a Video Clip

Network / Subscription Dependent Feature

You can send video clips via either phone number or email address.

To send via a phone number:

	Press	To
1	▭	open the options menu
2	OK (◎)	select **Open**
3	(◉)	scroll to the desired video clip
4	▭	open the options menu
5	(◉)	scroll to **Send**
6	OK (◎)	select **Send**
7	keypad keys	enter your message

	Press	To
8	SEND (⊡)	select SEND
9	P.BOOK (⊡)	open your phonebook
10	⊙	scroll to the desired entry
11	OK (◯)	select the entry
		Tip: If the entry includes more than 1 phone numbers, continue the following steps; otherwise, repeat steps 10-11 to add other recipients or go to steps 15-16 to send your video clip.
12	⊙	scroll to the desired phone number
13	OK (◯)	select the phone number
14	BACK (⊡)	return to the previous menu
		Tip: Repeat steps 10-11 to add other recipients or continue the following steps to send your video clip.
15	BACK (⊡)	return to the previous menu
16	SEND (⊡)	send your video clip

To send via an email address:

	Press	To
1	📼	open the options menu
2	OK (◎)	select **Open**
3	🕹	scroll to the desired video clip
4	📼	open the options menu
5	🕹	scroll to **Send**
6	OK (◎)	select **Send**
7	keypad keys	enter your message
8	SEND (⌷)	select **SEND**
9	📼	open the options menu
10	🕹	scroll to **New e-mail address**
11	OK (◎)	select **New e-mail address**
12	keypad keys	enter an email address
13	OK (◎)	add the email address to the **Recipients** box **Tip:** Repeat steps 9-13 to add other recipients.
14	SEND (⌷)	send your video clip

Checking a Video Clip

You can read the details of the selected video clip.

	Press	**To**
1	⬜	open the options menu
2	OK (⬤)	select **Open**
3	◉	scroll to the desired video clip
4	⬜	open the options menu
5	◉	scroll to **Details**
6	OK (⬤)	check the selected video clip

Sorting Video Clips

You can sort video clips by name, size, or date.

	Press	**To**
1	⬜	open the options menu
2	OK (⬤)	select **Open**
3	◉	scroll to any video clip
4	⬜	open the options menu
5	◉	scroll to **Sort files**
6	OK (⬤)	select **Sort files**
7	◉	scroll to the desired option

Press	To
8 OK (◯)	sort video clips by the selected option

Managing a Network Profile

Your service provider or network administrator may have created a network profile, including networking connection settings, before you receive your phone. You can also customize the preset network profile or create a new 1.

Find the Feature `≡` > Browser
> Profiles

Connecting to the Internet

You can connect to your service provider or network administrator's homepage, the desired bookmarks and Web pages on your phone.

If networking connection is established, refer to the following instructions to activate an option, return to the last page, or end networking connection.

To activate an option:

Press	To
1 ⊙	scroll to the desired option
2 OK (◯)	activate the selected option
or	
`≡` > **OK** (◯)	

To return to the last page:

Press	To
BACK (▭)	return to the last page

To end networking connection:

Press	To
⚡	end networking connection

To end networking connection alternatively:

	Press	To
1	▭	open the options menu
2	◉	scroll to **Exit**
3	OK (◯)	end networking connection

Connecting to Your Service Provider or Network Administrator's Homepage

You can browse your service provider or network administrator's hompage which has been created in the selected network profile.

Find the Feature ▭ > **Browser**
> **Home**

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Connecting to a Bookmark

You can connect to a preset or self-created bookmark.

Find the Feature   <img> > Browser
                               > Bookmark

	Press	To
1	⊙	scroll to the desired bookmark
2	OK (◯)	select the bookmark
3	OK (◯)	connect to the selected bookmark

Connecting to a Web Page

You can edit a URL address for the Web page you want to connect to.

Find the Feature   <img> > Browser
                               > Go to address

	Press	To
1	keypad keys	enter a URL address
2	OK (◯)	connect to the Web page

Managing a Bookmark

You can create, edit, or erase a bookmark.

Find the Feature   <img> > Browser
                               > Bookmark

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Tip: To connect to a bookmark, see page 185.

Downloading Multimedia Objects

You can download multimedia objects from the desired Web sites, such as pictures, ring tones, animations, and video clips.

Find the Feature
⌹ > **Media center**
> **Download media**

Customizing How Web Pages Are Displayed

You can select a display style to present the Web pages you want to browse.

Find the Feature
⌹ > **Browser**
> **Appearance settings**

Allowing or Rejecting Cookies

You can accept or reject cookies when browsing Wed pages.

Find the Feature
⌹ > **Browser**
> **Download settings** > **Cookies**

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Clearing Cache Memory

You can delete the temporary files downloaded for your convenience to connect to frequently-browsed Web pages from the cache memory of your phone.

Find the Feature ⬚ > Browser
> Clear the cache

Reading Your Service Provider or Network Administrator's Messages

You can read the messages from your service provider or network administrator.

Find the Feature ⬚ > Browser
> Service Inbox

Reading Certificates

You can read the certificates which have been downloaded and saved on your phone when you browse Web pages.

Find the Feature ⬚ > Browser
> Certificates

Troubleshooting

Check these questions 1st if your phone does not seem to work properly. 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?	The battery level indicator should have at least 1 segment showing. If it does not, recharge your battery (see page 23).
Have you installed a valid SIM card?	If necessary, turn off your phone and make sure that you have inserted a valid SIM card (see page 20).
Does the phone have a signal?	The signal strength indicator should have at least 1 segment showing. If it does not, move to an area with a stronger signal.
Is the other party unable to hear you?	Your phone may be muted. Press **OPTIONS** (⊡) > **Unmute** to unmute the phone. Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.

Question	Answer
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 these types of damages.
Was a non-Motorola battery or battery charger used?	

The following refers to specific symptoms:

Symptom	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.	Contact your service provider.
I pressed the power key, but nothing happened.	Be sure to press and hold ⏻ (the power key) until you see the welcome display and an alert sounds. This could take several seconds. If nothing happens, check that a charged battery is installed (see page 21).

Troubleshooting

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Symptom	Solution
The display shows: 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 20).
The display shows: SIM Blocked. How do I unblock my SIM card?	Call your service provider to obtain the PIN Unblocking Key (PUK) code.
The display shows: 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.
My phone prompts for an unlock code when I try to open a feature.	The feature you want is locked. If you do not know the unlock code, contact your service provider.
My phone does not ring.	The ringer may be set to **Silence** even though your phone is set to an audible ring style. To turn off **Silence**, press and hold 🔲 from the idle display.

Symptom	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 placing a call.
I cannot send/ receive calls.	Make sure that you have a phone signal (the signal strength indicator 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 unlock code, you can change this setting in the call barring menu to turn it off:
	▢ > **Settings** > **Call features** > **Call barring** > **Cancel all**
	Also, check to be sure your SIM card is installed and working (see page 20).

Symptom	Solution
My phone has poor reception and drops calls.	Make sure that your antenna is not bent or damaged.
	Also, 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 up 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: □ > **Recent calls** > **Dialed calls** or **Received calls**
My phone's display is too dark.	Use the **Adjust contrast** feature to change the level of contrast in your display.
	You can also use the **Backlight** feature to change the length of time that the display backlight stays on (see page 48).

Symptom	Solution
My phone's battery charge doesn't last as long as I expected. What can I do to extend battery life?	Battery performance is affected by charge time, feature use, temperature changes, backlight use, and other factors. For tips on extending battery life, see page 24.
I am unable to record a voice note, voice dial, or voice launcher.	Try moving to a quieter location to make your voice recording. Hold the phone about four inches (10 centimeters) from your mouth, and speak directly into your phone's microphone with a normal tone of voice.
I launched the micro-browser but the display shows: 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 shows: Request timed out. Gateway is 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 ___ 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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