



Sony Ericsson

Mobile Phone T606

T606 User's Guide


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Some menus/features are operator dependent.

Draft for Sony Ericsson-- Preliminary Copy

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Getting Started

Understanding This User's Guide

For ease of reference, the **Getting to Know Your Phone** chapter gives a quick overview of the main functions of the phone, shortcuts, and general information. The chapter also includes an overview of the menu options available in your phone (see “Menu Overview” on page 11).

The **Personalizing Your Phone** chapter explains how you can set options in your phone to customize the ring signals, themes, and other settings. The remaining chapters provide the details about how to set up and use the other features of your phone.

Throughout this guide, the following conventions are used in descriptions and instructions:

- Text that is seen in the phone display is shown in the following typeface: **Answer?**.

- Softkey labels are shown in the following typeface: **Softkey**.
- Key names are shown in the following typeface: **2**.
- When instructed to *press* a key, press and quickly release the key.
- When instructed to *press and hold* a key, press and hold the key for one to two seconds.
- When an instruction involves moving through several menus and pressing keys, the instruction is shown as:

1 Scroll to **Settings**, **Select**, **Keypad Lock**, **Select**, **Lock now**, **Select**.

This means: scroll to the **Settings** menu, press the **Select** softkey, scroll to **Keypad Lock**, press the **Select** softkey, scroll to **Lock now**, and press **Select**.

Available Services

Some services and functions described in this user's guide are network- or subscription-dependent. Because of this, all options may not be available in your phone.

Please consult your network operator for more information about your subscription.

Assembly

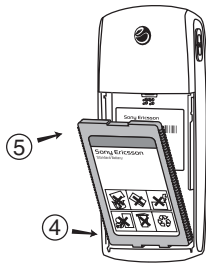
Before you can use your phone, you must complete the following:

- Step 1: Install the battery
- Step 2: Attach the back cover
- Step 3: Charge the battery

Step 1: To Install the Battery

- 1 Locate the two slots at the bottom of the battery chamber.

- 2 Locate the two tabs on the bottom of the battery.
- 3 Orient the battery with the label facing away from the phone as shown.
- 4 Insert the tabs into the slots at the bottom of the battery chamber.
- 5 Press on the top of the battery until it clicks into place.



Step 2: To Attach the Back Cover

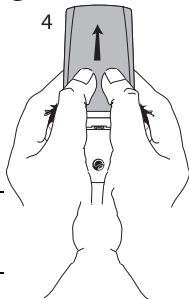
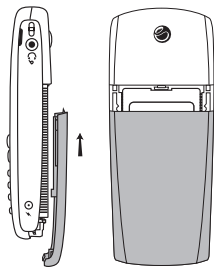
- 1 Locate the notches along each side of the back of the phone.

- Using the notches as a guide, place the back cover so that it rests against the phone.
- Slide the back cover upward until it clicks in place.

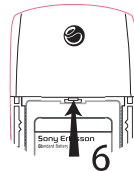
To Remove the Cover and Battery

- Ensure that the phone is turned off.
- Turn the phone over, facing down, as shown in the illustration.
- Press down on the top-middle of the back cover.

Note: Use the tips of your thumbs to perform these steps.





- Slide the back cover toward the bottom of the phone until it releases from the notches in the phone.
- Lift the cover off of the phone.
- Press the battery latch toward the top of the phone.
- Hold the phone over your open hand with the battery facing down.
- Firmly tap the bottom edge of the phone into your open hand to release the battery.



Warning! Tapping the phone on any surface other than your hand can damage your phone and void its warranty.


Step 3: To Charge the Battery

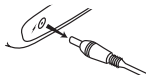
- 1 Insert the charger in the charger jack. The yellow ring around the jack corresponds with the yellow tip on the charger.

Do not attempt to insert anything else into the charger jack. While charging, the  and  icons will alternate in the display.



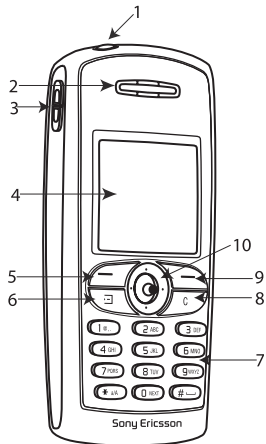
Note: *It may take up to 30 minutes before the battery charging icon appears in the display.*

- 2 Wait approximately 4 hours or until the  icon indicates that the battery is fully charged. If you do not see the battery icon after this time, press any key or the joystick to activate the display.
- 3 Once charging is complete, pull the plug out of the charger jack.



Getting to Know Your Phone

Diagrams



Front/Side View

- 1 Power Key
- 2 Earpiece
- 3 Volume Keys
- 4 Display
- 5 Left Softkey
- 6 Options Key
- 7 Keypad
- 8 Clear
- 9 Right Softkey
- 10 Joystick

Key Functions



- Press and hold to power the phone on and off.



(Volume Keys)

- Increase or decrease the volume of the earpiece during a call.
- Scroll through menu icons, lists and text.
- Press and hold to use voice commands.
- Press up or down once to mute the ring signal when receiving a call.

Left Softkey





- Make and answer calls.
- Select an icon, item or option.



- Press for options.

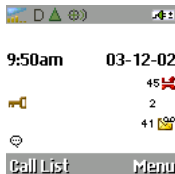
Keypad



- Enter the digits 0–9 and letters.
- Move through icons by pressing the digit keys.

	<ul style="list-style-type: none"> Enter *.
	<ul style="list-style-type: none"> Shift between lowercase, uppercase and initial capitals. Press up, down, left or right to move through menu icons, lists and texts. Press and briefly hold right to access the contact list. Press and briefly hold left to enter the first shortcut in Quick Links. Press on the joystick to select an item.
Right Softkey	<ul style="list-style-type: none"> Press and hold to return to standby mode. Press to end or reject a call, go back one level in the menus or leave an option unchanged.
	<ul style="list-style-type: none"> Delete numbers and letters from the display. Delete an item from a list. Press and hold to turn off the microphone during a call. Press to return to standby mode from within the menus.
	<ul style="list-style-type: none"> Enter #. Enter a space.

Standby Screen Icons

These are all of the icons that *could* appear on your standby screen.



Icon	Explanation
9:50am	Current Time
03-12-02	Current Date
	Signal Strength/1XRTT (High Speed Data) Availability
A/D/P/ 	Channel Indicator - Analog, Digital, Enhanced Voice Privacy call, or No Network available.


Icon	Explanation
	Roaming. A flashing icon indicates non-preferred roaming. Roaming icons vary by network provider.
Banner	Personalized Banner or network information such as Searching
	Battery Strength/Charging Indicator
	Alarm Set
	Silent Mode is On
	Ringer Off
	Locked Keypad
	Current Profile
	Phone Location - Emergency Only. The GPS location based services are off. Your position can only be determined when you call an emergency number such as 911.

Icon	Explanation
	Phone Location - Show Location. The GPS location based services are On. Your position is always locatable by the network.
	Call Screening On
	Active Chat Session
TTY	TTY On
	Recorded Voice Memo
	Missed Call(s)
	New SMS message(s) or browser alert(s)
	You have a new voicemail message(s)
	Magic Word is On

Shortcuts

The table describes some of the most useful key combinations and shortcuts.


Standby

To...	When in Standby:	To...	When in Standby:
make an emergency call	enter the emergency number and press left softkey	reach a contact beginning with a specific letter	press and hold any of the keys 2 – 9
enter and move through the menu icons	press joystick to left or right to enter, then press joystick up, down, left or right to move through	speed dial a number at a specific position	press the position number and press left softkey
enter Find Contact	press joystick up for last name in list or down for first name in list	enter Select Profile	press joystick to left and hold
enter Call List	press left softkey	change ring signal volume	press up or down volume key
voice dial	press and hold left softkey or say your magic word	enter a ■ (pause) in a dial string or melody	press and hold *
call your voicemail	press and hold 1	enter a ■ (stop) in a dial string or melody	press and hold #
mute the ring signal when receiving a call	press C, press up or down volume key, or press right softkey		
set the phone to silent	press and hold C, then press left softkey, or press  , Turn Silent On		

During Calls

To...	During a Call:
put a call on hold	press left softkey
retrieve a call that is on hold	press left softkey
turn off the microphone	press and hold C

In Menu System

To...	When in the Menus:
move through menus or lists	press and hold up or down volume keys, or use joystick
select a menu or setting	press left softkey or press on joystick
enter an options menu	press 
delete an item in a list	press and hold C
go back to standby	press and hold right softkey, or press C

Using Multitap Text Input Method

To...	When Entering Letters Using Multitap Text Input:
shift between uppercase, lowercase and initial capital letters	press *
enter numbers	press and hold any of the number keys
enter a question mark	press 1 two times
enter the @-sign	press 0 three times
enter a space	press #
delete letters and numbers	press C
shift between input methods	press and hold *
shift between input languages	press and hold #

Using Tegic™ T9™ Input Method

To...	When Entering Letters Using T9™ Text Input:
view alternative words	press joystick up or down, or press 0
accept a word and add a space	press #
enter a period	press 1
view alternative punctuation marks	press 1, then press joystick up or down repeatedly to scroll through choices
shift between uppercase, lowercase and initial capital letters	press *
enter numbers	press and hold any of the number keys
delete letters and numbers	press C
shift between input methods	press and hold *

To...

shift between input languages

When Entering Letters Using T9™ Text Input:


press and hold #

Note: *A quick way to enter the menus is to press the joystick left or right, then press on the joystick to enter the menu. To return to standby, press and hold the right softkey.*










Note: *You can quickly and easily reach the settings you use most by placing them in the Quick Links menu. See “Quick Links” on page 23.*

Help Texts

To help you use the menus and functions, your phone has help texts that explain the menus.

- To get help, select the menu you want information about, then press  and select **Help**.

Menu Overview

<p>Contacts </p> <p>1 Find Contact 7 My Number 2 Add Contact 8 Advanced 3 Manage Contact 9 Preferences 4 Pictures 0 Business Cards 5 Personal Rings Calling Cards 6 Voice Tags Input Method</p>	<p>Recent Calls </p> <p>1 Call List 2 Missed Calls 3 Call Timers 4 KilobyteCounter 5 Clear Call Lists</p>	<p>Messaging </p> <p>1 Voicemail 2 Send New 3 Inbox 4 Outbox 5 Saved & Drafts</p> <p>6 Preferences 7 Erase Message 8 Memory Use 9 Mesg. Count</p>
<p>Internet Apps </p> <p>1 Add New</p>	<p>Web </p> <p>1 Launch Browser 2 BrowserAlerts 3 Browser Help 4 Active Gateways</p>	<p>Settings </p> <p>1 Keypad Lock 2 Sounds 3 Display 4 Hot Key 5 Time & Date 6 Roaming 7 Security 8 Call Options</p> <p>9 Voice Control 0 Language Phone Info Network Info Memory manager Handsfree Data/Fax/Modem</p>
<p>Camera </p> <p>1 CommuniCam 2 Image Gallery</p>	<p>Personal Organizer </p> <p>1 Calendar 5 Voice Memo 2 Notes 6 Profiles 3 Clocks 7 Safe Storage 4 Calculator</p>	<p>Quick Links </p> <p>1 My Quick Links <i>List of existing links</i></p>

Calls

Making Calls

Before you can make or receive any calls, you must turn on the phone and be within range of a network.

Making Calls

- 1 Enter the area code and the phone number.
- 2 Press **Call** to make the call.
- 3 Press **End** to end the call.

Note: For other ways to make calls, see “Call List” on page 14, “Contacts” on page 24, and “Using Voice Control” on page 52.

Making International Calls

To dial internationally, press and hold the **0** key until a **+** sign appears. The **+** sign is replaced with the international access number of the country from which you are calling. Enter the country code, area code (without the leading zero) and phone number.

Making Emergency Calls

For more information on making emergency calls, see “Emergency Calls” on page 80.

Your phone is equipped with Assisted Global Positioning System (GPS). This service is a cooperation between the network and your mobile phone to locate your phone’s position.

Note: Assisted Global Positioning System will not work under certain circumstances such as in certain building interiors and in analog mode. Assisted Global Positioning is carrier and network dependent. Check with your service provider for availability.

- 1 Enter your local emergency number.
- 2 Press **Call**.

Note: If your keypad is locked and you attempt to make an emergency call, the phone will recognize it as an

emergency number and will temporarily disable keypad lock and phonelock.

To Program Your Emergency Numbers

- 1 Scroll to **Settings, Select, Security, Select.**
- 2 Enter the phonelock code (0000 or your personal code if you have changed it) and press **OK.**
- 3 Scroll to **My Emergency Numbers, Select.**
- 4 Select a number position, **Select.**
- 5 Enter the number you want to treat as an emergency number, **OK**

Your phone is equipped with Assisted Global Positioning System (GPS). This service is a cooperation between the network and your mobile phone to locate your phone's position.

Note: *Assisted GPS will not work under certain circumstances such as in certain building interiors and in analog mode. Assisted GPS is carrier and network dependent. Check with your service provider for availability.*

Receiving Calls

Answering Calls

Press **Answer**.

Ending Calls

Press **End** to end the current call.

Rejecting Calls

Press **Mute** to silence the ringer.

The caller will continue to hear a ring signal until the call is transferred to your voicemail or until the caller hangs up.

Answering a Second Incoming Call

When you receive the second call, press **Answer**.

Press **Flash** to toggle between the two calls.

Press **End** to end the current call.

Note: *If you want to be able to receive a second call while another call is in progress, you must activate the **Call Waiting** service. Options include **Activate**,*

Deactivate, and Set up. To activate Call Waiting, you will need separate codes from your service provider. Once you enter those codes, select **Activate** or **Deactivate**.

Muting the Ringer for a Call

Press **Mute**.

Note: You can also use your voice to answer or mute the ringer for calls. See "Using Voice Control" on page 52.

Missed Calls

If you have missed a call, **Missed calls: 1** appears on the display, indicating the number of missed calls.

To Check your Missed Calls

Press **Yes** to display the Missed Call List.

Note: To call a number from the **View Missed Call**, scroll to the number and press **Call**.

To Call a Missed Number from Standby Mode

- 1 Scroll to **Recent Calls**, Select, **Missed Call**, Select.
- 2 Scroll to the number you want to call, **Call**.

Call List

The numbers of the last 50 calls that you have made or received are saved in the call list. The received calls include answered and missed calls if the caller's numbers were identified by the Caller ID service.

To Call a Number from the Call List

- 1 From standby mode, press **Call List** (left softkey).
- 2 Scroll to the number you want to call, **Call**.

Note: The **Call List** is also available in **Recent Calls**. Scroll to **Recent Calls**, Select, **Call List**, Select.

To Clear the Call List

Scroll to **Recent Calls**, Select, **Clear Call List**, Select, **Yes**.

Settings While On a Call

To Change the Earpiece Volume During a Call

Press the up or down volume key on the side of the phone to increase or decrease the earpiece volume.

To Mute the Microphone During a Call

Press and hold **C** until the display shows **Muted**. Press and hold **C** again to resume the conversation.

To Automatic Redial

If the connection of a call fails and the display shows **Retry?**, press **Yes**. The phone redials the number until the call is connected, you press a key or you receive a call.

Note: *Do not hold the phone to your ear while waiting. When the call is connected, the phone gives a loud signal.*

When you receive a call, the phone rings and the display shows **Answer?**.

If the caller's number is identified by the Caller ID service, the number is displayed. If you have saved the

number in your contacts, both the name and number are displayed. If you have assigned a picture to the contact, the picture is displayed. If the number is a restricted number, the display shows **Unknown**.

To Use the Speakerphone

While on a call, press **☒** to activate speakerphone.

To Send Tone Signals

You can use telephone banking services or control an answering machine by sending tone signals (also known as DTMF tones or touch tones) during a call.

- To send the tones, press the number keys **0–9**, ***** and **#**.
- To clear the display after the call is finished, press **left softkey**.

Personalizing Your Phone

You can adjust the phone settings to meet your own requirements.

Note: *If you change a setting which is included in a profile, the active profile is also changed. See “Profiles” on page 63.*

Resetting to Factory Default

You can restore the settings to the way they were when you bought your phone using **Reset Settings**.

To Reset the Settings in the Phone

- 1 Scroll to **Settings**, **Select**, **Security**, **Select**.
- 2 Enter your phonelock code (0000 or your personal code if you have changed it), **OK**, **Reset settings**, **Select**.

Sounds & Alerts

Ring Sounds and Melodies

Your phone comes with a number of ring signals and melodies. You can use these sounds as custom ring signals and alarms.

To Listen to the Sounds

- 1 Scroll to **Settings**, **Select**, **Sounds**, **Select**, **Sound Gallery**, **Select**.
- 2 Scroll through the list of sounds – each sound plays as you highlight it.
- 3 Press **Select** to set the sound. Choose **Play**, **Set Ring Sound**, **Delete**, or **Rename**.

To Set the Ring Signal Volume

Note: *From standby, you can quickly set the ring signal volume by pressing the side volume keys up or down.*

- 1 Scroll to **Settings**, **Select**, **Sounds**, **Select**, **Ringer Volume**, **Select**.

- 2 Press the joystick right to increase the volume or left to decrease it.
- 3 Press **Save** to save the setting.

Note: *To turn the ring signal On or Off from standby, press and hold C, then select Turn On Silent or Turn off Silent.*

To Set Increasing Ring Signal

You can choose a ring signal that gets louder in steps from the lowest volume to the highest.

- 1 Scroll to **Settings**, **Select**, **Sounds**, **Select**, **Increasing Ring**, **Select**.
- 2 Choose **On** or **Off**, **Select**.

To Set Specific Ring Signals for Personal Calls

You can assign a personal ring signal for callers who are in your contact list. If the caller's number is identified by Caller ID and the phone matches the number to the contact, and the ring signal you assigned to the contact is used.

To Set a Specific Ring Signal for a Caller

- 1 Scroll to **Contacts**, **Select**, **Personal Rings**, **Select**, **Add new?**, **Select**.
- 2 Choose the contact, **Select**.
- 3 Choose a ring signal, **Select**.

Message Sounds

You can select different sounds to notify you when you have received a message. Each type of message can have a unique sound.

To Set a Message Sound

- 1 Scroll to **Settings**, **Select**, **Sounds**, **Select**, **Set Message Sounds**, **Select**.
- 2 Scroll to one of the following:
 - **Voicemail**, **Select**.
 - **Text**, **Select**.
 - **Page**, **Select**.
- 3 Select the sound you want to use, **Select**.

Alarm Sounds

You can select a sound you want to notify you when an alarm is due.

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- 1 Scroll to **Settings**, **Select**, **Sounds**, **Select**, **Alarm Sound**, **Select**.
- 2 Select the sound you want to use, **Select**.

Alerts

You can turn on and off the following audible alerts to notify you of call status:

- **Access Tone** to notify you when a call has connected
- **Call Lost tone** to notify you if a call has been lost
- **Minute Minder** to beep once every minute during a call (starting 50 seconds into the call).

To Turn an Alert On or Off

- 1 Scroll to **Settings**, **Select**, **Sounds**, **Select**, **Alerts**, **Select**.
- 2 Scroll to the alert you want to set, **Select**
- 3 Choose **On** or **Off**, **Select**.

Vibrating Alert

You can choose to be notified of an incoming call or other notification by a vibrating alert. You can set the phone's vibrating alert to one of the following:

- **On** – always on.

- **On When Silent** – on when the ring volume is turned off or when the phone is set to silent.
- **Off** – always off.

To Set the Vibrating Alert

- 1 Scroll to **Settings**, **Select**, **Sounds**, **Select**, **Vibrating Alert**, **Select**.
- 2 Choose the setting you want, **Select**.

Key Sounds

You can select a sound that your phone will make each time you press a key. You can also turn off the key sounds.

- 1 Scroll to **Settings**, **Select**, **Sounds**, **Select**, **Key Sound**, **Select**.
- 2 Choose the setting you want, **Select**.

Themes

You can change the appearance of the display, for example, the colors and background picture, using themes. Your phone comes with some pre-set themes.

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **Themes**, **Select**.
- 2 Choose the theme you want to use, **Select**.

Note: *You may have to adjust the display contrast after changing themes. If so, scroll to **Settings**, **Select**, **Display**, **Select**, **Contrast**, **Select**.*

Pictures

Your phone comes with a number of pictures. You can

- Use a picture as background when in standby mode.
- Assign a picture to a contact. When that person calls, the picture appears in the display. See “To Add a Picture to a Contact” on page 25.
- Take a picture with the optional attachment.

All pictures are saved in the Image Gallery. You can also save animations in your phone. These are handled like pictures. You can add or delete pictures in Image Gallery. Supported file types are GIF, JPEG and WBMP.

To View Thumbnails of Your Pictures


- Scroll to **Settings**, **Select**, **Display**, **Select**, **Image Gallery**, **Select**.
- or
- Scroll to **Camera**, **Select**, **My Pictures**, **Select**.

To See a Full View of a Picture

- Choose a picture, **Select**.

To Select a Picture as Background

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **Background**, **Select**, **Select Picture**, **Select**.
- 2 Choose a picture you want to use, **Select**, **Picture**, **Select**.

Note: *You can select a background by pressing  when viewing your pictures, and selecting **Set Background**.*

To Turn the Background Picture On or Off

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **Background**, **Select**, **Activate**, **Select**.
- 2 Choose **On** or **Off**, **Select**.

Menu Language

The menu in your phone is set to the language of the country where you bought your phone. If this is not the case, the preset language is English.

- 1 Scroll to **Settings**, **Select**, **Language**, **Select**, **Menu Language**, **Select**.
- 2 Choose the language you want the phone to display, **Select**.

Display

Display Backlight

The display backlight can be set to off, on or automatic. If you select automatic, the backlight is turned on when you touch a key and off 30 seconds after you press the last key.

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **Backlight**, **Select**.
- 2 Choose the setting you want, **Select**.

Display Contrast

You can adjust the contrast of the display.

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **Contrast**, **Select**.
- 2 Press the joystick right to decrease the contrast or left to increase it.
- 3 Press **Save** to save the setting.

Display Sleep

The phone has a display sleep mode that is activated automatically to save power. In this mode, only the time and date are shown as they move around the display.

Display sleep mode is activated after the phone has been idle for 1 minute or after the screensaver is displayed (if you have one turned on).

User Greetings

When you turn your phone on or off, the Sony Ericsson greeting appears in the display. You can choose your own text greeting or an animated greeting, or you can turn the greeting off.

Note: *Your operator's own greeting may override your choice.*

To Enter a Text Greeting

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **User Greeting**, **Select**, **Greeting Text**, **Select**.
- 2 Enter the text for the greeting, **OK**.

To Select an Animated Greeting

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **User Greeting**, **Select**, **My Animation**, **Select**.
- 2 Choose the animation you want to use, **OK**.

To Reset or Turn Off the User Greeting

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **User Greeting**, **Select**.
- 2 To reset the default greeting, scroll to **Sony Ericsson**, **Select**. To turn off the greeting, scroll to **Off**, **Select**.

Banner

You can enter text for a banner that is shown at the top of the display in standby mode.

Note: *Your operator's own banner may override your custom text.*

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **My Banner**, **Select**.
- 2 Enter the text for the banner, **OK**.

Screensavers

You can choose to have your phone display a screensaver that is activated automatically after the phone has been idle for 1 minute.

To Select a Screensaver

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **Screensaver**, **Select**, **Select**.
- 2 Choose a screensaver you want to use, **Select**, **Yes**.

To Turn the Screensaver On or Off

- 1 Scroll to **Settings**, **Select**, **Display**, **Select**, **Screensaver**, **Select**, **Activate**, **Select**.
- 2 Choose **On** or **Off**, **Select**.

Time and Date

The time and date on your phone are set through the network. You can change the format that is used to display the time and date.

To Set the Time Format

- 1 Scroll to **Settings**, **Select**, **Time & Date**, **Select**, **Time Format**, **Select**.
- 2 Choose the format you want to use, **Select**.

To Set the Date Format

- 1 Scroll to **Settings**, **Select**, **Time & Date**, **Select**, **Date Format**, **Select**.
- 2 Choose the format you want to use, **Select**.

Answering Mode

The answering mode sets how you want to answer the phone when using a portable handsfree kit. You can choose to answer a call using one of these methods:

- **Normal** – press the left softkey
- **Any Key** – press any key (except the right softkey)
- **Auto** – the phone answers the call automatically

To Select an Answering Mode

- 1 Scroll to **Settings**, **Select**, **Handsfree**, **Select**, **Answering Mode**, **Select**.
- 2 Choose the option you want to use, **Select**.

My Phone Number

You can check your own phone number.

To check your phone number, scroll to **Contacts**, **Select**, **My Number**, **Select**.

Keypad Lock

The keypad lock helps you avoid dialing a number by accident. When the lock is on, the keys are not active. You can activate keypad lock manually or automatically. Keypad lock remains active until you answer an incoming call or you turn it off manually.

Note: *Calls to emergency numbers such as 911 can still be made, even when the keypad lock is active.*

Manual Keypad Lock

You can manually activate keypad lock at any time.

From standby mode, press and hold **C**, **Lock/Unlock Keypad**, **Select**.

Auto Keypad Lock

When auto mode is turned on, the keypad lock activates 30 seconds after you last press a key.

- 1 Scroll to **Settings**, **Select**, **Keypad Lock**, **Select**.
- 2 Choose **Set Auto On** or **Set Auto Off**, **Select**.

Quick Links

You can place your favorite functions, such as **View Today**, that you want to reach quickly and easily in the Quick Links menu.

To Add a Quick Link


- 1 Scroll to **Quick Links**, **Select**, **My Quick Links**, **Select**.
- 2 Choose a function from the list, **Select**.
- 3 Enter the position number in the menu you want for this function, **OK**.
- 4 Press **Exit** to exit the list.

To Remove a Quick Link

- 1 Scroll to **Quick Links**, **Select**, **Edit Quick Links**, **Select**.

- 2 Choose the function to remove from the list, **Uncheck**.
- 3 Press **Exit** to exit the list.


Hot Key

The **Hot Key** menu allows you to set the action for pressing and holding . You can quickly access a commonly used function, such as **Messaging**, with this key.

Setting the Hot Key

Scroll to **Settings**, **Select**, **Hot Key**, **Select**, choose a function, **Select**.

Using the Hot Key

Press and hold .

Contacts

In Contacts, you can save all the information needed to contact people. You have space for up to 500 complete entries. This number will increase if some fields are left blank. You can also choose what type of information (for example, Home number) you want show for each contact.


Choosing Contact Fields

- 1 Scroll to **Contacts**, **Select**, **Preferences**, **Select**, **Contact Fields**, **Select**.
- 2 Select a field by pressing **Check**.
- 3 Deselect a field by pressing, **Uncheck**.
- 4 Press **Exit** to exit the list.
- 5 Press **Yes** to save the changes.

Adding a Contact

- 1 Scroll to **Contacts**, **Select**, **Add Contact**, **Select**.
- 2 Scroll to the field you want to fill in, **Edit**.
- 3 Enter the information, **OK**.

- 4 Continue editing the fields as needed.

Note: *To change which information fields are displayed, press  while the field list is displayed.*

- 5 To exit the list and save the contact, **Exit**, **Save and exit?**, **Yes**.

Note: *You can also add a voice tag for this contact by following the instructions on the display. See “Using Voice Control” on page 52.*

Calling a Contact

You can quickly call a contact by pressing and holding keys on your keypad, however you must select **Contacts** as the **Long Press** first. See “Long Press” on page 27.

From standby, press and hold one of the number keys 2–9 to find a contact beginning with the first letter on that key (or closest following). For instance, pressing 2 brings up contacts whose names begin with A, B, or C.

Pressing 9 will bring up contacts whose names begin with W, X, Y, or Z.

- 1 Scroll to the contact you want to call, **Call**.
- 2 Choose the number you want to call, **Call**.

Note: *You can also use the Find Contact option in the Contacts menu to call a contact.*

Pictures, Personal Rings, and Voice Commands

You can add a picture, personal ring signal and voice tag to a contact.

To Add a Picture to a Contact

- 1 Scroll to **Contacts**, **Select**, **Pictures**, **Select**.
- 2 Scroll to the contact, **Select**.
- 3 Choose a picture, **Select**, **Accept?**, **Yes**.

To Add a Personal Ring to a Contact

- 1 Scroll to **Contacts**, **Select**, **Personal Rings**, **Select**.
- 2 Select **Add New**, **Select**, scroll to the contact, **Select**.
- 3 Choose a ring signal, **Select**.

To Add a Voice Tag to a Contact

- 1 Scroll to **Contacts**, **Select**, **Voice Tags**, **Select**.
- 2 Select **Add Voice Tag**, **Select**, scroll to the contact, **Select**.
- 3 Lift the phone to your ear, wait for the prompt and say the voice tag. The voice tag is played back to you.
- 4 Wait for the prompt to say the voice tag again and repeat the voice tag.
- 5 Press **OK** to save the contact.

Updating Contacts


When needed, you can easily update or delete your contact information.

To Edit a Contact

- 1 Scroll to **Contacts**, **Select**, **Manage Contact**, **Select**, **Edit Contact**, **Select**.
- 2 Scroll to the contact, **Edit**.
- 3 Select **Edit info.**, **Select**.
- 4 Scroll to the field you want to change, **Edit**.

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- 5 Edit the information as needed, **OK**.

Note: *To change which information fields are displayed, press  while the field list is displayed.*

- 6 Continue editing the remaining fields as needed.
- 7 To exit the list and save the contact, **Exit, Save and exit?, Yes**.

To Delete a Contact

- 1 Scroll to **Contacts, Select, Manage Contact, Select, Delete contact, Select**.
- 2 Scroll to the contact, **Select, Delete?, Yes**.

Default Number

Each contact has a default phone number - the number that appears first when the contact has multiple numbers entered (home, mobile, work, etc.). The first phone number you enter for a contact automatically becomes the default number., but you can change which number is the default.

To Set a Contact's Default Number

- 1 Scroll to **Contacts, Select, Manage Contact, Select, Edit Contact, Select**.
- 2 Scroll to the contact, **Edit**.
- 3 Select **Default No, Select**, select the number you want as default, **Select**.

To Dial a Contact's Default Number

- 1 Scroll to **Contacts, Select, Find Contact, Select**.
- 2 Scroll to the contact you want to call.
- 3 Press and hold **Call**.

Speed and Super Speed Dialing

Speed Dialing

Enter the position number and press **Call**. Each contact's phone number that you save in your phone is assigned a default position number. You can speed dial the numbers in these positions using the position number. You can also change the position of a contact's number in the speed dial list.

Note: *The position numbers begin with position 2. Position 1 is reserved for voicemail.*

Changing Position Numbers

- 1 Scroll to **Contacts**, **Select**, **Advanced**, **Select**, **Speed Dial settings**, **Select**.
- 2 Scroll to the number you want to move, **Select**.
- 3 Scroll to the new position for the number, **Select**.

SuperSpeed Dialing

You can super speed dial the phone numbers in positions 2–999 by pressing and holding the position number in standby mode.

Note: *You must select Super Speed Dial as the Long Press setting before you can use it. See “Long Press” on page 27.*

- For positions 2–9, press and hold the number.
- For positions 10–99, enter the first digit, then press and hold the second digit.
- For positions 100–999, enter the first and second digits, then press and hold the third digit.

Long Press

You can choose the action that results from a long press (pressing and briefly holding) of the numeric keys 2–9. The options are **Super Speed Dial** (dials the number in that speed dial position), **Contacts shortcut**

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(enters the contact list at the first letter on that key) or Off.

- 1 Scroll to **Contacts**, **Select**, **Advanced**, **Select**, **Long Press**, **Select**.
- 2 Choose the option you want to use, **Select**.

Checking the Memory

You can use the Memory status function in your phone to check how much memory is available.

- Scroll to **Contacts**, **Select**, **Advanced**, **Select**, **Memory Status**, **Select**.

Business Cards

You can add your own business card to the contacts. Your business card is a special contact entry that you can send to your friends and coworkers.

Adding Your Own Business Card

- 1 Scroll to **Contacts**, **Select**, **Business Cards**, **Select**, **My Card**, **Select**, **Add**, **Select**.
- 2 Scroll to the field you want to fill in, **Edit**.
- 3 Enter the information, **OK**.
- 4 Continue editing the fields as needed.
- 5 To save your card, **Exit**, **Save and exit?**, **Yes**.

Editing Your Business Card

- 1 Scroll to **Contacts**, **Select**, **Business Cards**, **Select**, **My Card**, **Select**, **Edit**, **Select**.
- 2 Scroll to the field you want to change, **Edit**.
- 3 Edit the information as needed, **OK**.

- 4 Continue editing the remaining fields as needed.
- 5 To exit the list and save the contact, **Exit**, **Save and exit?**, **Yes**.

Exchanging Business Cards

You can exchange business cards between your phone and another similar phone using SMS.

Sending Your Business Card

- 1 Scroll to **Contacts**, **Select**, **Business Cards**, **Select**, **My Card**, **Select**, **Send**, **Select**.
- 2 Enter the recipient's number, **OK**.

Receiving a Business Card

When the SMS notification is displayed, press **Yes** to accept the card and save the card to your contacts.

Sending a Contact

- 1 Scroll to **Contacts**, **Select**, **Manage Contact**, **Select**, **Send Contact**, **Select**.
- 2 Scroll to the contact you want to send, **Select**.
- 3 Enter the recipient's number, **OK**.

Sending All Contacts

Scroll to **Contacts**, **Select**, **Business Cards**, **Select**, **My Card**, **Select**, **Send All**, **Select**, enter the recipient's number, **OK**.

Groups

You can send text messages to several recipients at the same time using contact groups.

Creating a Group of Contacts

- 1 Scroll to **Contacts**, **Select**, **Manage Contact**, **Select**, **Groups**, **Select**, **Add Group**, **Select**.
- 2 Enter a name for the group, **OK**.
- 3 Select **Add member**, **Select**.
- 4 Select the contact you want to add, **Select**.
- 5 Select a phone number, **Select**.
- 6 Repeat steps 3–5 to add more members.

- 3 To change the name of the group, select **Edit Group Name**, **Select**, edit the name, **OK**.
- 4 To delete a group, **Select Delete Group**, **Select**, **Delete group?**, **Yes**.
- 5 To delete a member, select **Edit**, **Select**, select the member to delete, **C**, **Delete?**, **Yes**.

Editing Groups

- 1 Scroll to **Contacts**, **Select**, **Manage Contact**, **Select**, **Groups**, **Select**, select the group you want to edit, **Select**.
- 2 To add a member, **Select Edit**, **Select**, **Add member**, **Select**, select the contact to add, **Select**, select a phone number, **Select**.

VoiceMail

If your subscription includes voicemail service, callers can leave a voice message when you cannot answer a call.

Setting Up Voicemail Service

You can personalize your voicemail service with your own settings such as a personal greeting.

- 1 From standby mode, press and hold 1.
- 2 During the greeting, press #.
- 3 Follow the voice prompts to personalize your service.

Receiving Voicemail

When someone has left you a voicemail message, a voicemail icon appears on your display. You can listen to your messages by calling your voicemail service.

Checking Your Voicemail

- 1 From standby mode, press and hold 1.

Note: *If pressing and holding 1 does not connect to your voicemail, dial your phone's 10-digit number to access your voicemail.*

- 2 During the greeting, press # and enter your password.
- 3 Follow the voice prompts to hear your messages.

Call Time

During a call, the duration of the call is shown in the display. You can check the duration of your last call, all incoming calls, all outgoing calls and the total time.

You also can view the information for the last data call and for all data calls.

- To check the call times, scroll to **Recent Calls**, **Select**, **Call Timers**, **Select**, choose an option, **Select**.


- To check data call information, scroll to **Recent Calls**, **Select**, **KilobyteCounter**, **Select**, select an option, **Select**.
- To reset a call timer or the data total, scroll to the timer, **Select**, **Reset**.

Text Messaging

You can check your voicemail, send and receive text messages, and check and send email from within the **Messages** menu.

Voice mail


You can call your voicemail access number from the **Voice mail** menu. Use the **Preferences** menu to enter or change your voicemail access number.

The one key () is always reserved for voicemail access. Press and hold the one key to quickly call your voicemail number.

Sending Text Messages (SMS)

Note: *You cannot send SMS messages in analog mode. If you are in analog mode and attempt to send a message, the phone will continue to try to send the message for 24 hours. If not sent in 24 hours, the message will go*

to Saved & Drafts. You will need to resend the message once the phone is in digital mode.

Note: *At any point when creating an SMS message, you can press  to see a list of related options.*

Use the keypad to enter your text message. You can enter up to 160 characters per message or the maximum length set by your service provider.

- 1 Scroll to **Messages**, **Select**, **Send New**, **Select**.
- 2 Enter the recipient's number or recall it from the phonebook by pressing and holding the navigation key to the left.
- 3 Select **OK**.
- 4 Enter your message, press **Next**. For more information on entering text, see "Entering Letters" on page 39.
- 5 The following choices will appear: **Send**, **Edit "Send To"**, **Edit Message**, **Msg. Priority**, **CallbackNumber**,


DeferDelivery, Validity Period, Cancel Msg., and Save & Exit.

- 6 Select the option you want.
- **Defer Delivery** allows you to create a message, to send later. You can set the date and time you want the message delivered.
 - **Validity Period** allows you to set the amount of time the network can attempt to send the message before considering it undeliverable. Options range from 30 minutes to 5 days.

Note: *If you press Cancel Msg. or if the message fails, the message will be saved to Saved & Drafts so you can send it later.*


To Cancel Delivery of SMS Messages

You can cancel delivery of a text message if the message has not been delivered to the recipient's mailbox.

Scroll to **Outbox**, choose the message you want to cancel, press  and choose **Cancel Delivery**.

To Send SMS to Multiple Destinations

Multiple Destination SMS gives you the functionality of sending a single SMS message to up to 10 email addresses, mobile phone numbers, or combinations of both.

- 1 Scroll to **Messages**, **Select**, **Send New**, **Select**.
- 2 To enter phone numbers, use **Digit Input Method**. To enter email addresses, use **Multitap Input Method**. To change the input method, press  and choose **Input Method**.
- 3 Separate your entries with a comma (9195551212, john.doe@email.com). In digit mode, press and hold **1** to enter a comma. In multitap mode, multitap **1** to enter a comma or the **@** symbol.

Note: *Your Outbox will indicate a single SMS message although you have sent the message to a group.*

Note: *If you answer an incoming call or SMS message while you are composing a message, the message will be saved in Saved & Drafts.*

Receiving Text Messages (SMS)

When you receive a message, the phone beeps or rings (see “Message Sounds” on page 25), and **New message Read now?** appears in the display.


- 1 Press **Yes** to immediately read the message or **No** to save the message to read later. The message will be saved in the **Inbox**.

Note: *An arrow in the bottom right-hand corner of the display indicates that there is more text in the message and you should scroll down with your navigation key.*

Note: *If the sender of the message wants you to reply, the display shows **Delivery receipt requested. Reply?** at the end of the message. Press the left softkey to reply or press the right softkey to exit without replying.*

- 2 After reading the text message, press **Back** to exit or or press **Select** to choose one of the following options: **Reply**, **Reply with Copy**, **Forward Msg.**,

Call, Delete, Save Message, Save Address, Save@QckTxt, Lock and Read Next.

Note: *At any point when reading an SMS message, you can press  to see a list of related options.*

To Save Objects from a Text Message

You can save information, such as phone numbers, from your text messages.

When the email address, phone number, or internet address, is highlighted, press **Select**. Then select, **Save**.

- An email address or phone number is saved in **Contacts**.
- An Internet address is saved in **Bookmarks** under the **Browser** menu options.

To Save Text Messages

You can save incoming messages, outgoing messages, or drafts of messages in the **Saved & Drafts** folder. Messages are saved from newest to oldest. Incoming messages are saved with the time they were received, sent messages are saved with the time they were sent, and drafts are saved with the time they were saved.

To Read Saved Messages

- 1 Choose **Messages**, **Select**, **Saved & Drafts**, **Select**.
- 2 Select the message you want to read.
- 3 Press **Back** to close the message or press **Select** to view multiple options.

To Send Sent Messages

- 1 Scroll to **Messages**, **Select**, **Saved & Drafts**, **Select**.
- 2 Highlight the message.
- 3 Press **☰** to **Send** or **Delete**.

To Read Saved Messages

- 1 Choose **Messages**, **Select**, **Outbox**, **Select**.
- 2 Highlight the message you want to read, **Select**.
- 3 Press **Back** to close the message.
- 4 Press **Select** to open the message. Press **Select** again to view the following options: **Resend**, **Send**, **Delete**, **Save Message**, **Save Address**, **Save@QckTxt**, **Lock/Unlock**, **Cancel Delivery**, **Status Codes**, and **Read Next**.

Preferences

Use the **Preferences** menu within **Messages** for the following settings:

Auto Save

Options include **Auto Save**, **Prompt to Save**, and **Do Not Save**. **Auto Save** will automatically save your messages in the **Outbox**. **Prompt to Save** will ask you prior to saving the message. Failed messages will always be saved to the **Outbox**.

Auto Delete

Auto Delete deletes old messages to make space for new messages. When set to **On**, old messages will automatically be deleted. When set to **Off**, messages will not be deleted, but you will be warned when your box is nearly full.

CallbackNumber

The **CallbackNumber** is the phone number that is sent along with your text messages. Use this menu to edit or remove the callback number. If you remove your

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callback number, it will remain blank for all future messages. If you access the **CallbackNumber** menu again, your phone number will appear. Press **OK** to save it or press **Cancel** to remove it so it is not sent with future text messages.

Voicemail No.

Use this menu to edit your voicemail access number.

Set Message Sound

Set unique **Message Sound** for incoming text, voicemail messages, and pages. Assign each type of message its own message sound. Options include: **Silent**, **Click**, **1 Beep**, **2 Beeps**, and a list of melodies.

Msg. Priority

Msg. Priority allows you to set the urgency of your SMS messages. Options include **Normal** and **Urgent**.

SaveAsQuickText

Use this menu to add a new quick text message.

SignatureText

Add a customized signature to your SMS messages.

Direct View

When set to **On**, your incoming SMS messages will be immediately displayed on your screen without the **New Message Read Now?** prompt. You must read all incoming messages to clear the screen.

Input Method

Use the **Input Method** menu to choose between multitap and T9 input. For more information on input methods, see “Input Methods” on page 40.

Entering Letters

You can enter letters using your phone keypad when needed, for example, when you add names to your contact list, write text messages, or enter web addresses.

Once you have selected the input languages you want to use, there are two ways you can enter letters:

- Multitap text input – Pressing each key until the correct letter is selected (see “To Enter Letters Using Multitap Text Input” on page 40).
- T9™ Text Input – A predictive input method that is a quicker way to write text (see “To Turn T9™ Text Input On or Off” on page 41). Also called Predictive input.

Input Languages


Before you start entering letters, you have to select the input languages that you want available when writing. Then, while entering text, you can choose from this list of languages.

To Select Input Languages

- 1 Scroll to **Settings**, **Select**, **Language**, **Select**, **Input Language**, **Select**.
- 2 Scroll to each language you want to use to enter text and press **Check** to include it.
- 3 To remove a language, scroll to the language and press **Uncheck**.
- 4 Press **Exit** to exit the menu.

Note: *You can check multiple entries. This is useful if you plan to use various languages when entering text.*

To Choose a Language for Text Entry

- 1 While in a text entry field, press .
- 2 Scroll to **Language**, **Select**.
- 3 Choose the language you want to use, **Select**.

Note: *You can use more than one language in a text message by switching input languages.*

Input Methods

Using Multitap Text Input

When saving names in the contact list or when writing web addresses, you enter letters using multitap text input. You also can use this input method when writing text messages. You press each key as many times as needed to show the letter you want.

To Enter Letters Using Multitap Text Input

Press the appropriate key, 1 – 9, 0 or #, repeatedly until the character you want appears in the display. See the table of the Latin alphabet below:

Press... To Get...

1	- ? ! , . : ; " ' < = > () _ 1
2	A B C Å Ä Æ à ç 2 Γ
3	D E F è é 3 Δ Φ
4	G H I ì 4
5	J K L 5 Λ
6	M N O Ñ Ö Ø ò 6
7	P Q R S ß 7 Π Σ

Press... To Get...

8	T U V Ü ù 8
9	W X Y Z 9
0	+ & @ / □ % \$ € £ ¥ \ § ç ì 0 Θ Ξ Ψ Ω
#	Space # * * ↓ ¶
C	to delete letters and numbers
*	to shift between uppercase, lowercase and initial capital letters
0 – 9	press and hold to enter numbers

Example:

- To enter an 'A', press 2 once.
- To enter a 'B', quickly press 2 twice.
- To shift between uppercase and lowercase letters, press *.
- Press C to delete a letter.
- Press and hold C to delete all letters.

Using Predictive Text Input


You can use predictive text input when writing text messages and notes if the input language you select supports this. The predictive text input method uses a

built-in dictionary to recognize the most commonly used word for each sequence of key presses. This way, you press each key only once, even if the letter you want is not the first letter on the key.

The following example shows how to start writing a text message:

To Enter Letters Using Predictive Text Input

- 1 Scroll to **Messages**, **Select**, **Write New**, **Select**.


Note: Press  to change the Input Method to Predictive.

- 2 Enter an address for the message, then press **OK**.
- 3 For example, if you want to write the word “Jane”, press **5**, **2**, **6**, **3**.
- 4 If the word shown is the one you want:
 - press # to accept and add a space.
(To accept a word without adding a space, press the joystick right.)

If the word shown is not the one you want:

- press the joystick up or down to scroll through alternative words. Accept a word and add a space by pressing #.

If you do not find the word you want using the joystick:

- Press  to go to a list of options.
- Scroll to **Edit Word**, **Select**.
- Delete one or more letters from the word as needed by pressing **C**.
- Write the new word using multitap text input and press **OK**.
The word is added to the dictionary. The next time you enter this word using predictive text input, it will appear as one of the alternative words.

- 5 Continue writing your message.


Note: Press **1** to enter a period. To enter other punctuation marks, press **1** and then the joystick up or down repeatedly. Accept the word by pressing #.

To Turn T9™ Text Input On or Off

If you wish, you can turn off the T9™ Text Input. This setting is valid for all input of texts – not only for the text you are currently writing.

- 1 Scroll to **Settings**, **Select**, **Language**, **Select**, **T9 Predictive**, **Select**.
- 2 Choose **On** or **Off**, **Select**.

Text Input Options

If you press  when writing, you enter a list of options:

- **Insert Symbol** – Symbols and punctuation marks such as ? and , are shown.
- **Rel Caps Lock/Caps Lock** – Switch between uppercase and lowercase letters.
- **Input Method** – A list of input methods available for the current input language is shown.
- **Use Quick Text** – A list of previously defined messages that can be inserted is displayed.

Internet Applications

Use **InternetApps** to download applications like games and ringtones into your mobile phone.


Downloading Applications

- 1 Scroll to **InternetApps**, Select.
- 2 Choose **InternetApps** to select an **InternetApp** application.
- 3 Follow the prompts to download the application.
- 4 **InternetApps** applications that you download will appear in your **InternetApps** menu. Select to run the application.

Configuring Internet Applications

Choose **Configure** to change the default icons and sounds for **InternetApps** applications.

Internet Applications Options

The following options will appear when you press  while in the **InternetApps** menu:

Go to Standby - returns you to the standby screen to perform tasks such as making calls or sending messages and suspends the current **InternetApps** session. You can resume the session by re-entering the menu.

End (current application) - ends the **InternetApps** application that you are currently running.

Backlight - allows you to adjust the backlight settings for your **InternetApps** sessions if you set **Backlight** to **Automatic** in the **Settings** menu. If **Backlight** is set to **On** in the **Settings** menu, then the backlight will remain on while running an **InternetApp** application. If set to

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Off, the backlight will come on only while running an **InternetApp** application.

Key Sounds Off - allows you to turn the key sounds on or off. This is especially helpful when playing games.

Incoming Calls

Incoming calls will be diverted to your voicemail while downloading **InternetApp** applications. If you do not have the voicemail service, the caller will hear a busy tone.

Once you have completed downloading, and assuming the application does not require a network connection, you can receive calls. The **InternetApp** session will be suspended while you are on the call. Return to the **InternetApp** menu to resume your session.

Browser

Your phone includes a built-in browser that allows you to access Internet content designed specifically for mobile devices. Wireless Application Protocol (WAP) is a global standard for advanced mobile service. WAP allows you to access certain services on the Internet from your mobile phone. This content typically includes Email, Calendar, Contacts, Internet communication, e-commerce and telephony services. Surfing the web with your Sony Ericsson mobile phone is quick and easy.

When you launch your browser, your phone automatically places a data call to establish a connection to the Internet. While you are connected, you will see a globe icon (🌐) on the bottom row of your display.

Note: *While your browser is active and the globe icon is displayed, you cannot make or receive voice calls. If you need to make a call, press and hold the right softkey to return to the **Web** menu. Press and hold the right*

softkey again to return to the standby screen and then dial the number.

After a period of inactivity (new content is not sent or received), the phone call placed to establish your WAP connection automatically ends and the globe icon disappears.

Browser Features

Your browser gives you the following features (depending on your service provider):

- Microbrowser for sending/receiving email and for Internet access
- Support for Phonebook download
- Bookmark creation
- Image support
- Automatic time-out which disconnects data calls after periods of inactivity

Launching Your Browser


Scroll to Web, Select, Launch Browser, Select.

Connection Status


Connection status is displayed on the bottom row of the screen, in place of the softkey labels, when you are operating the browser and at various times during operation. Connection status includes the following:



- Connecting...
- Sending)))
- Receiving(((
- Working ...

Browser Alerts

Through your browser, you can receive update messages such as road reports, stock reports, and sports scores. The new message icon () will appear when you receive new content in your browser. See your network provider for more information.

Softkeys

The globe icon (), located between the softkey labels on the bottom row of your display, indicates a connection to the data network. In some instances, other icons alternate with the globe icon during a WAP session.

-  indicates battery power.
-  indicates an incoming message.

Icons




Press * once to switch between the date/time, icon list, and the softkey screen.

- 1 **Signal Strength** shows the relative signal strength from the wireless system. More bars indicate a stronger signal.
- 2 **Globe** indicates that you have established a connection with the data network.

- 3 Ringer Off** indicates that your phone will not make any ring sounds.
- 4 Silent Mode** indicates that your phone will not make any sounds.
- 5 Keypad Lock** indicates that your keypad is locked and will not recognize any key presses.
- 6 Battery** shows the relative strength of your battery. A full icon indicates a fully-charged battery.

Exiting Your Browser

There are two easy ways to exit your Browser:

- To make a call, press and hold the right softkey to return to the standby screen.
- Press  to enter the **Browser options** menu. Scroll to **Exit Browser, Select**.

Downloading Melodies


To download melodies using your browser, navigate to a WAP site that supports ring melody download using the text/x- melody or text/x-vmel MIME (internet content) type. When your phone receives a melody of this type, you will first be prompted to play the song,

and then to save the song into one of the My Melody storage slots on your phone.

Downloadable Content

Your mobile phone has the capability to load and store additional ringtone melodies. The use of such melodies may be restricted or prohibited by rights of third parties, including but not limited to restriction under applicable copyright laws. You, and not Sony Ericsson, are entirely responsible for additional melodies that you download to your mobile phone. Prior to use of any additional melodies, please verify that your intended use is properly licensed or is otherwise authorized. Sony Ericsson does not guarantee the accuracy, integrity, or quality of any additional ringtones or any other third party content. Under no circumstances will Sony Ericsson be liable in any way for your improper use of additional ringtones or other third party content.

Browser Options Menu

While you are browsing, you can reach different browsing options by pressing and holding . These options can include:

Home

Select **Home** to return to your Home Page.

Exit Browser

Select **Exit Browser** if you want to end your Browser session and return to the **Browser** menu.

Reload

Select **Reload** to refresh a page.

Bookmarks

Select **Bookmarks** to see the list of bookmarks that you have set.

Mark Site

Select **Mark Site** to set your bookmarks.

Show URL

Select **Show URL** to display the URL of the current page.

Advanced

Home Page - Allows you to edit your default Home Page.

Restart Browser - Clears the cache and attempts to connect to your Home Page.

Encryption - A security code computed by your browser for authentication. You can verify your encryption with the **Verify Key** menu. You can also select a new encryption key by selecting **New Key**. You should contact your service provider prior to making any encryption changes.

Browser Key Functions

Use the following table to help you with the different ways to navigate through the pages that appear in your content window. Some keys operate differently when

you are navigating a page and when you are entering text.

Page Navigation

Press to select the left softkey.



Press to select right softkey label.



Press to enter Browser Options.



Go Back.



Move through menu, lists, or text. Moves line by line through the browser.



Text Input

Press to select the left softkey.

Press to select right softkey label.

Press to enter Browser Options.

Delete last character/letter entered.
Long press deletes all characters.

Move through characters/letters.

Page Navigation

Display status icons on the bottom row of the screen.



Long press to enter bookmarks.



Select numbers displayed on the page.
Long press to go to bookmarks.

0-9

Pages up and down through the browser.



Text Input

Toggle capitalization.

Enter punctuation characters.

Enter text and characters.

Press and hold to enter the number.

Browser Text Entry

You can enter characters in four different modes. The active format is displayed in the right softkey position. Change the format in which characters are entered by pressing the right softkey.

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1 **A...Z mode** allows you to enter alphabetic text. Press the appropriate key, **0-9**, or **#** repeatedly until the desired letter, character, or digit appears in the display. For example, to enter an **A**, press the numeric key **2** once. To enter a **B**, press the numeric key **2** twice.

Press To Get ...

1	space . , ; ? ! ' " ' « » () 1
2	A B C 2 À Á Â Ã Ç
3	D E F 3 È É Ê Ë
4	G H I 4 Í Î Ï
5	J K L 5
6	M N O 6 Ñ Ó Ô Õ
7	P Q R S 7
8	T U V 8 Ù Ú Û Ü
9	W X Y Z 9
0	/ * - + = < > 0
#	# @ _ & ~ % \$ ^

2 **SYM1 mode** allows you to select symbols and punctuation from a list. You can switch to symbol entry by pressing the right softkey until **Sym** is in the right softkey position. There are four screens of symbols. Press the left softkey to switch between each screen. Press the digit key corresponding to the symbol that you want to enter. Your phone automatically switches back to the previously-used method of text entry after you enter one symbol.

SYM1 . ? ! , ; : ' ' "

SYM2 . @ \ / | _ ~ \$ ^

SYM3 + - * / < > = % #

SYM4 { } [] () < > &

3 **0...9 mode** allows you to enter numbers by pressing the digit key corresponding to the number that you want to enter.

4 **T9 Predictive mode** allows you to use T9 predictive text input. Predictive text input software allows you to quickly and easily enter words or entire sentences with just one key press per letter. Predictive text entry software uses the phone's internal dictionary to quickly scan possible variations to determine the correct word.

If you enter all your letters and the word that you

want does not appear, press 0 to view other matches in your phone's dictionary. Keep pressing 0 until your word appears.

For example, to enter the word "ball", press 2, 2, 5,

- 5 After the first 2, your screen displays "c". After the second 2, your screen displays "ca". After the first 5, your screen displays "call". After the second 5, your screen displays "call". Press the 0 key until the word "ball" is displayed.

Note: *You will know that there is no word match in the T9 dictionary when your key presses are no longer recognized by T9 text entry mode.*

If your word does not appear, you can add it into your phone's dictionary by doing the following:

- Type the text that you want to enter into your phone's dictionary by using any of the non-T9 text entry modes.
- With the cursor to the right of the last character (without pressing a space) reselect T9 mode by pressing the right softkey until T9 appears in the right softkey position.

- Press right to enter a space. Your word is added to your phone's dictionary when your phone is properly powered down.

Note: *It may be helpful not to look at the screen until you are finished entering all characters as a new word match may occur with each new character entered.*

Using Voice Control

Before you can start dialing by voice, you need to record your voice commands (if you want your commands in a language other than English).

Recording Voice Commands

Your phone comes with a pre-recorded list of voice commands that match a wide variety of pronunciations. The default commands are available only in American English. You can record over (retrain) the current commands to change the command or the language. You always have the option to revert to the original (default) English commands.

Note: *You must record voice tags for your phonebook contacts to use Voice Activated Dialing.*


The Command List is grouped by feature. You can re-record all of the commands or just those for the features you intend to use. Please note that some features are dependent on others. Your phone will

notify you if you are required to record additional commands.


Training Commands

There are three ways to train commands:

Training Commands

- 1 Scroll to **Settings, Select, Voice Control, Select, Manage Commands, Select**.
- 2 Choose a group of commands.
- 3 Select a word you want to train.
- 4 Choose **Train** (or press  and choose **Train Cmnd**).
- 5 Follow the prompts to record over the command.


Training Command Groups

- 1 Scroll to **Settings, Select, Voice Control, Select, Manage Commands, Select**.
- 2 Highlight the command group you want to train.
- 3 Press  and choose **Train Group**.

- 4 The phone will prompt you to train each word within that group.
- 5 If the function associated with the command group is dependent on another command, you will be prompted to train those commands too.

Note: *You can exit group training at any time without losing the commands you have just trained. Training All Commands*


Training All Commands

- 1 Scroll to **Settings, Select, Voice Control**, highlight **VoiceCommands**.
- 2 Press  and choose **Train All**.
- 3 The phone will prompt you to train each word.

Listening to Current Commands

- 1 Scroll to **Settings, Select, Voice Control, Select, Manage Commands, Select**.
- 2 Choose a group of commands.
- 3 As you scroll through the list, the commands will be played back to you. If a command has not been


recorded, the command will be spoken via a pre-recorded voice.

Note: *If there is only one word for the selected command group, press  and choose **Play Cmnd**.*


Resetting Default Commands

There are three ways to reset commands:

Resetting Single Commands

- 1 Scroll to **Settings, Select, Voice Control, Select, Manage Commands, Select**.
- 2 Choose a group of commands.
- 3 Select the word you want to reset.
- 4 Press  and choose **Reset Cmnds**.
- 5 Confirm your selection.

Resetting Command Groups

- 1 Scroll to **Settings, Select, Voice Control, Select, Manage Commands, Select**.
- 2 Highlight to the command group you want to reset.
- 3 Press  and choose **Reset Group**.
- 4 Confirm your selection.

Tips

- Try to record in an area where there is little or no background noise.
- Try to record your voice with the same equipment that you normally use with your phone. For example, if you normally have your phone connected to a car handsfree device when using voice commands, record your voice commands when your phone is in a car handsfree device.
- If you plan to use voice functions handheld mode, hold the phone up to the ear in the position that would normally be used on a call.
- Begin speaking after the tone ends.
- Keep in mind that longer voice tags provide a higher recognition rate.
- Shorter tags may cause a lower recognition rate. For example, the name “Rob” can easily be confused with “Bob”.
- Create unique tags. Name tags with the same first names can be confused. For example, John Doe and John Jones may not be distinguishable.
- Record your voice using the same tone and inflection as you would when normally speaking. Try

not to over-pronounce or speak too slowly when recording.

- At anytime during voice recognition, you can say “cancel” to stop recognition.
- Say “help” at anytime (except during Voice Answering) to see and hear online help.

Magic Word

You can use the **Magic Word** voice command to allow totally handsfree access to voice control. Instead of pressing and holding the side volume keys or the handsfree button, you say the Magic Word and then one of your recorded voice commands. The Magic Word is especially suitable when driving a car with a car handsfree kit installed, because you use external power instead of the battery power of your phone. You can also use the Magic Word when the phone is connected to a portable handsfree (the standby time will be reduced). The default Magic Word is “Wake Up”. You

can keep this as the Magic Word or record another. See “Training Commands” on page 52.

Note: *Due to the nature of each individual's speech patterns and the process your phone uses to generate or match a Magic Word, it is possible for false matches to occur via other sources of speech such as your car radio. This can result in unintended call placement. To avoid this problem, you may try using alternate Magic Words or deactivate this feature.*

Training a New Magic Word

- 1 Scroll to **Settings**, **Select**, **Voice Control**, **Select**, **Magic Word**, **Select**.
- 2 Press **Train**.

Note: *You can train any word to be your Magic Word, but the submenu name will always be **Wake Up**.*

Adding Voice Tags to Your Phonebook

When you create phonebook contacts, you will have the opportunity to also record voice tags. You can add

voice tags later in the **Voice Control** submenu or from **Phonebook**, **Edit Contact**.

- 1 Scroll to **Settings**, **Select**, **Voice Control**, **Select**, **Manage Commands**, **Select**, **Name Dialing**, **Select**.
- 2 **Select Add Voice Tag**, **Select**.
- 3 **Select a contact**, **Select**.
- 4 Follow the instructions in the display. Keep the label unique, but also as brief as possible. Both “John” and “John Alexander Doe” can be recorded fully.

Note: *An icon (🗣️) appears next to the contact names which have a voice tag.*

Voice Caller ID

You can choose whether you want to hear the recorded voice command for a name when you receive an incoming call.

- 1 Scroll to **Settings**, **Select**, **Voice Control**, **Select**, **Caller Name**, **Select**.
- 2 **Select On** or **Off**.

Voice Activated Dialing

Before using Voice Activated Dialing, you must add voice tags to your phonebook contacts. The commands, such as Call, are prerecorded in English, but you can re-record these commands if you wish. See “Training Commands” on page 52.

- 1 Activate voice dialing using one of these methods:
 - Say your Magic Word
 - Press and hold a side volume key
 - Press and hold the handsfree button (when using handsfree)
- 2 When prompted, say a command, such as “call”.
- 3 Wait for the beep. Now say the name of the contact you want to call.
- 4 The phone will say “Calling Bob”. If there are multiple numbers for that name, you will be prompted to say the number type.

Voice Digit Dialing

It is possible to dial a phone number by speaking the digits with a short pause between each digit. Each digit already has an associated voice command in English,

but you can re-record these commands if you wish. See “Training Commands” on page 52.

- 1 Activate voice dialing using one of these methods:
 - Say your Magic Word.
 - Press and hold a side volume key.
 - Press and hold the handsfree button (when using handsfree).
- 2 When prompted, say “dial” and the digits for the number you want to call. The phone will repeat each number with either a Number Echo or Tone.
- 3 Say “call” to begin dialing.

Note: Say “clear” to clear a single digit. If you say clear two times in a row, you will be asked if you want to clear the entire number.

Note: Say “verify” to hear all numbers played back to you.

Digit Feedback

When you are using Voice Digit Dialing, your phone will respond to indicate that it understood your command. Settings include **Number Echo** and **Tone**. Echo feedback will echo the accepted digit while tone

dialing will give a quick tone to indicate the digit was accepted. Echo is the default.

Deactivating Digit Feedback

Scroll to **Settings**, **Select**, **Voice Control**, **Select**, **Number Echo**, **Select**, choose **On** or **Off**.

Voice Answering

You can answer or mute incoming calls by using your voice, when using a car handsfree kit.

- 1 Scroll to **Settings**, **Select**, **Voice Control**, **Select**, **Voice Answer**, check or uncheck **Car Handsfree**.
- 2 Changes made. **Save?** will appear. Press **Yes** to save.

Answering Incoming Calls Using Voice Commands

The prerecorded voice answer command is **Answer**. You can re-record this command if you wish. See “Training Commands” on page 52.

- 1 The phone will beep three times and you will hear “Incoming call. Answer?”.


- 2 Say **Yes**, **No**, **Answer**, or **Cancel** (or the answering command you trained).

Note: *The caller's name or number will appear if the caller is listed in your phonebook.*

Note: *If you select **No** or **Cancel**, the caller will continue to bear ringing until the call goes to voicemail or until the network terminates the call.*

Voice Activate Voice Memos

Note: *You can also activate the memo function through the Personal Organizer. See “Voice Memo” on page 62.*

You can activate the voice memo feature, listen to memos, and record new memos using your voice. The Voice Memo icon on your standby screen  indicates voice memos.

- 1 Activate voice recognition using one of these methods:
 - Say your Magic Word.
 - Press and hold a side volume key.
 - Press and hold the handsfree button (when using handsfree or Bluetooth).
- 2 Say **Play** or **Record** to quickly access the **Voice Memo** list or,
- 3 Say **Voice Memo** to activate the feature and see the following options:
 - Say **Play** to hear the most recent memo. The elapsed time will appear as the memo plays.
 - Say **Next** to move forward and play the next memo.
 - Say **Previous** to move backwards and play the previous memo.
 - Say **Record** to create a new memo. The elapsed time will appear. Press the left softkey to end the recording or the right softkey to cancel the recording.
 - Say **Cancel** to return to the standby screen.

Problems when Recording

If your phone cannot detect speech, one of the following might have happened:

- you spoke too softly – try speaking more loudly.
- you held the phone too far away – hold it as you do during a call.
- the voice command was too short – it should be around one second long.
- you spoke too late or too soon – speak immediately after the tone.

Personal Organizer

You can use the personal organizer to keep track of important meetings that you need to attend, phone calls that you need to make, or tasks that you need to do.

Calendar


You can save many appointments and tasks in your organizer, depending on the size of each item. You can choose to add a new appointment or task, or use an old appointment or task as a template by copying and editing it.

- **Appointments/Events** - Meeting (👤); Date (❤️); Travel (🏠); Vacation (✈️); Phone Call (📞); Anniversary (🎂); and Miscellaneous (⚡).
- **Tasks** - Phone Call (📞); Message (✉️); or Miscellaneous (☑️).

You can fill in different types of information about the appointments or task.

Adding Events or Appointments

- 1 Scroll to **Personal Organizer, Select, Calendar, Select, Add Appointment, Select.**
- 2 Enter the subject of the appointment. Press **OK.**

Note: *To change the text input method or language, press*  *.*

- 3 Enter the location. Press **OK.**
- 4 Choose the icon to identify the type of event or appointment, **Select.**
- 5 Enter a **Start Date.** Press **OK.**
- 6 Enter a **Start Time.** Press **OK.**
- 7 Enter a duration. Press **Select.**
- 8 Select the reminder interval you want, for example **5 Min Before, Select.**

Adding New Tasks

- 1 Scroll to **Personal Organizer, Select, Calendar, Select, Tasks, Select, Add Task?, Select.**
- 2 Choose a task, **Select.**

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- 3 Press **Select** and enter a subject.
- 4 Press **Yes** to enter a reminder date or **No** to add the task.

Viewing Your Calendar

To view your calendar content, scroll to **Personal Organizer**, **Select**, **Calendar**, **Select**, and then select one of the following:


- **View Today.** This shows all the appointments for the current day and the tasks that have not been completed. An icon appears next to those appointments that cover the whole day.
- **View Week.** This shows the current week. All your appointments and Tasks are shown as grey boxes. You enter a certain day by pressing **Select** when that day is highlighted.
- **View Month.** This shows the current, with the current day in a square. Move within and among the weeks by using the navigation key. Press **Select** to enter a certain day. Days on which you have appointments are marked in bold.

Editing

You may wish to edit an appointment or a task, for example, by changing the date or location.

Editing Appointments and Tasks

From the day, week, or month view, highlight the appointment or task.

Press . **Select**, **Edit**, **Delete**, **Reschedule**, **Send**, or **Copy**.

Calendar Options



To view your calendar options, scroll to **Personal Organizer**, **Select**, **Calendar**, **Select**, **Options**, and select one of the following:

- **View.** Change options such as the length of the displayed week (5 or 7 days).
- **Reminders.** Turn on this function if you want your phone to remind you even though the phone is turned off. Options include **Always** and **If Power On**.
- **Delete All.** Delete all appointments and tasks in the calendar.


Notes

Your phone has a notes function that allows you to create and post a note on your standby screen.

Creating Notes

- 1 Scroll to **Personal Organizer**, **Select**, **Notes**, **Select**, **Add note?**.
- 2 Enter the text for your note. Press  to change the input method or add symbols.
- 3 Press **OK**.
- 4 Highlight the note, press  to **Edit**, **Post**, **Send**, or **Delete** the note. When posted, the note will appear on your standby screen.

Removing Posted Notes

- 1 From Standby, press .
- 2 Select **Hide Note**.

Clocks

Use the Clocks menu to use the stopwatch, timer, and alarm clock.

Alarm

The phone has an **Alarm** which rings at the time set, even if the phone is turned off. The alarm rings for 60 seconds and is repeated every nine minutes for 60 minutes if you do not turn it off. You also have the option to use **RecurrentAlarm** which sets the alarm to go off at the same scheduled time each day.

Setting the Alarm

- 1 Scroll to **Personal Organizer**, **Select**, **Clocks**, **Select**, **Alarm Clock**, **Select**, **Alarm**, **Select**.
- 2 Enter the time the alarm should sound.

Turning the Alarm Off

- 1 Press any key to turn the alarm off when it rings, press **Yes** to turn off or **No** to snooze for 10 minutes.
- 2 If you do not want the alarm to be repeated, press **Select**.

Canceling the Alarm

Scroll to **Personal Organizer**, **Select**, **Clocks**, **Select**, **Alarm Clock**, **Select**, **Alarm**, **Select**, **Cancel**, **Select**.

Timer

The phone has a built-in 24-hour timer. You set the time you want and when that time is up, the phone beeps.

- 1 Scroll to **Personal Organizer, Select, Clocks, Select, Timer, Select.**
- 2 Enter the time, **OK** to start the timer. A clock will appear on the standby screen to indicate that the timer is set.
- 3 When the alert sounds, press any key to turn it off.

Stopwatch

Scroll to **Personal Organizer, Select, Clocks, Select, Stopwatch, Select.**


- Press **Start** to start the stopwatch.
- Press **Pause** to pause it.
- Press **Reset** to reset the stopwatch (if in pause mode).
- Press **Lap** to start the lap timer. You can time up to four laps.

Calculator

Scroll to **Personal Organizer, Select, Clocks, Select, Calculator, Select.**

- Press the digit keys to enter the numbers you want to calculate.
- Press the navigation key right or left to highlight an operation (+, -, x, etc.).
- Press the left softkey to perform the operation.
- Press the right softkey to cancel the operation.

Voice Memo

Use the Voice Memo function to record a memo to yourself. Voice Memo icon on your standby screen  indicates voice memos.


Note: *You can also activate the voice activate the memo function. See "Voice Activate Voice Memos" on page 57.*

Recording Voice Memos

- 1 Scroll to **Personal Organizer, Select, Voice Memo, Select.**

- 2 Choose Record.
- 3 Record your memo.
- 4 Press OK to end the recording.

Options for Previously Recorded Memos

- 1 Scroll to **Personal Organizer, Select, Voice Memo, Select.**
- 2 Highlight a memo.
- 3 Press .
- 4 The following options:
 - Play
 - Erase
 - Rename
 - Remaining Time
 - Erase All
 - Set View
 - Help

Problems when Recording

If your phone cannot detect speech, one of the following might have happened:

- you spoke too softly – try speaking more loudly.
- you held the phone too far away – hold it as you do during a call.
- the voice command was too short – it should be around one second long.
- you spoke too late or too soon – speak immediately after the tone.

Profiles

Your phone has a number of preset profiles that are set to fit a certain environment. For example, when you go to a meeting you can choose a profile, such as *Meeting*, which has the ring signal set to silent. You can add accessories to, rename or change the settings of these profiles.

To Select a Profile

- 1 Scroll to **Personal Organizer, Select, Profiles, Select, Select Profile, Select.**
- 2 Choose the profile you want, **Select.**

To Change a Profile Setting

Note: *You can only change the currently active profile. To change another profile, first select the profile then make the necessary changes.*

- 1 Scroll to **Personal Organizer**, **Select**, **Profiles**, **Select**, **Edit Profile**, **Select**.
- 2 Choose a setting, **Select**.
- 3 Change the setting as needed, **Select**.

To Rename a Profile

Note: *You can only rename the currently active profile.*

- 1 Scroll to **Personal Organizer**, **Select**, **Profiles**, **Select**, **Edit Profile**, **Select**, **Profile Name:**, **Select**.
- 2 Edit the name as needed, **Select**.

To Reset Profiles

You can reset all profile settings to the way they were when you bought your phone.

Note: *Some profiles are automatically activated when a specific accessory is attached, for example, the **Carl Handsfree** profile is activated when a handsfree*

device is attached. When the accessory is removed, the profile is changed back.

Safe Storage

Use Safe Storage to store passwords and codes in a secure, password protected location.

TTY Device Compatibility

Note: *TTY (teletypewriter) is an evolving technology in mobile communications. Sony Ericsson is pleased to offer some of the latest advances in this technology, bringing the hearing-impaired community closer to full communication mobility. At this time, the complexity of mobile communication technology, combined with emerging changes in emergency response centers and TTY equipment, means that the TTY feature may not work in all circumstances. Sony Ericsson is committed to continuing to work with all the members of the communications industry to improve mobile TTY systems for greater reliability and ease of use.*

You can use your TTY terminal with your Sony Ericsson mobile phone. Once you have connected your device, you simply have to turn on the TTY setting and begin using your device.

- Scroll to **Settings**, Select, **Turn On/Off TTY**, Select **TTY**, Select.

When TTY is turned on, your phone will work with a recommended TTY device. To verify that your phone is in TTY Mode, insert the TTY cable into the 2.5 mm headset jack. A **TTY Accessory** message appears, then the TTY icon will show on the display. You can now accept and send TTY calls.

To Switch to Handheld Operation

When you want to switch back to handheld phone operation, unplug the 2.5 mm adapter from your mobile phone. You can then use your phone normally. However, if you want to use a portable handsfree device, you should turn the TTY setting off.

Optimum Use

TTY communications can be conducted from moving vehicles, however, it may be dangerous to operate a

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vehicle and communicate on your mobile phone at the same time. You may experience a higher character error rate of the TTY conversation while in motion. For the highest quality communications, it is best to remain stationary.

The TTY feature works in most signal strength areas provided that a recommended TTY device is used together with a TTY accessory. You may experience a higher character error rate in low signal coverage areas. You may be able to move the cellular handset to get a better signal to reduce the character errors.

Technical Assistance

For information on Accessible Solutions for individuals with special needs call the Sony Ericsson Special Needs Center at +1-877-878-1996 (TTY) or +1-877-207-2056 (voice), or visit the Sony Ericsson Special Needs Center at: <http://www.SonyEricsson-snc.com>

Security

Phonelock

The phonelock protects the phone against unauthorized use. It is not on when you buy the phone. When it is locked, **Phone locked** appears on the display. Use the phonelock code to unlock the phone. The default phonelock code is 0000, but you can change it to any four- to eight-digit personal code.

To Lock the Phone

- 1 Scroll to **Settings**, **Select**, **Security**, **Select**.
- 2 Enter the phonelock code.
- 3 Select **Lock Now**.

To Unlock the Phone

- Enter your phonelock code, **OK**.

To Change Your Phonelock Code

You can set your own phonelock code to prevent unwanted use. You must know the current lock code to change it (if it has been changed from the default code).

- 1 Scroll to **Settings**, **Select**, **Security**, **Select**.
- 2 Enter your phonelock code, **OK**.
- 3 Scroll to **Change Password**, **Select**.
- 4 Enter the new code, **OK**, reenter the new code, **OK**.

Note: *It is important that you remember your new code. If you forget it, call your service provider.*

To Set Power on Lock

If the **Power On Lock** is set, the phone is automatically locked each time you turn it on.

Note: *Emergency calls still can be made without entering the code.*

- 1 Scroll to **Settings**, **Select**, **Security**, **Select**.

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- 2 Enter the phonelock code, OK.
- 3 Scroll to **Power on lock**, Select.
- 4 Choose **On** or **Off**, OK.

Restrict Calls

You can restrict calls to prevent certain types of outgoing and incoming calls. When restricted calls are set, the user must enter the phonelock code before using the phone.

Outgoing calls restrict options are: **Non-Contacts**, **Contacts**, **When Roaming**, **Calling Cards**, **International Calls** (requires an international access code), and **All**.

Incoming calls restrict options are: **Non-Contacts**, **Contacts**, **When Roaming**, and **All**.

To Turn a Call Restriction On or Off

- 1 Scroll to **Settings**, Select, **Call Options**, Select, **Restrict Calls**, Select, **Outgoing Calls** or **Incoming Calls**, Select.
- 2 Enter your phonelock code, OK.
- 3 To select a call type, scroll to the option, Check.

- 4 To unselect a call type, scroll to the option, **Uncheck**.
- 5 Press **Exit** to exit the list, **Save?**, **Yes**.

Calling Card Calls

You can use the calling card service to redirect the cost of a call to a credit card or a calling card account, instead of your normal account. This may be useful, for example, when making long distance calls.

You can save up to three calling card numbers in your phone. The numbers and the codes associated with them are protected by the phonelock code.

Before making a calling card call, you have to select and activate a card.

Note: *You cannot use the calling card service for data calls.*

Saving a Card Number

- 1 Scroll to **Contacts**, Select, **Calling Cards**, Select.
- 2 Enter your phonelock code, OK.
- 3 Scroll to **Card Setup**, Select, **Add New**, Add.
- 4 Enter the name of your calling card, OK.

- 5 Enter the access number of the calling card server, **OK**.
- 6 Choose the dialing delay (the amount of time the phone waits before sending the tones), **Select**.
- 7 Select which you want to send first, the verification number or the number that you are dialing, **Select**.
- 8 Follow the prompts, to enter the verification number and the next dialing delay (the order will vary depending on what you select in Step 7).

Selecting a Card

- 1 Scroll to **Contacts**, **Select**, **Calling Cards**, **Select**.
- 2 Enter your phonelock code, **OK**.
- 3 Scroll to **Set Card**, **Select**, choose a card, **Select**.

Making a Calling Card Call

- 1 Enter the phone number you want to call or retrieve it from your **Contacts**.
- 2 Press and hold **Call**.

The phone will briefly display the calling card number and begin making the call.

Note: *If you use stops between numbers, you must press the left softkey to send the next sequence of numbers after the stop.*

Accept Calls

With the accept calls feature, you can choose to have your phone ring only when receiving calls only from certain numbers. The options for which calls will ring are **From All**, **From List**, or **From None**. Other calls will make the phone flash, but it will not ring or vibrate.

To Set the Accept Calls Option

- 1 Scroll to **Settings**, **Select**, **Call Options**, **Select**, **Accept Calls**, **Select**, **Accept Options**, **Select**.
- 2 Choose the option you want to use, **Select**.

To Add Numbers to the Accepted Callers List

- 1 Scroll to **Settings**, **Select**, **Call Options**, **Select**, **Accept Calls**, **Select**, **Accept List**, **Select**.
- 2 Scroll to **Add to List**, **Add**.

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- 3 Choose contacts or group as the source, **Select**.
- 4 Choose an entry, **Select**.

Note: *Use the Restrict Calls option to prevent unauthorized calling card use. See "Restrict Calls" on page 68.*

Technical Assistance

Troubleshooting

The Phone Does Not Turn On

- Be sure the battery is correctly inserted. See “Step 1: To Install the Battery” on page 2.
- Recharge or replace the battery. See “Step 3: To Charge the Battery” on page 4.

No Indication of Charging

When you start charging a battery that is empty or a battery that has not been used for a long time, it may take up to 30 minutes before the battery icon appears in the display.

My Phone Does not Ring When a Call is Received

Check for Ringer Off (🔔) or Silent Mode (🔇) icons on the standby screen. Press and hold **C** to turn off Silent Mode.

Check the ringer volume in the **Settings** menu.

Grey Menu Options

Grey text indicates a function that is unavailable, for example due to your subscription or due to a certain setting which has not been turned on.

My Signal Strength Varies

This is a common occurrence. Transmitters are set in geographic areas and coverage is not 100% all of the time. Signal strength varies as you travel between cells.

TTY Active Message Appears When I Attach a Handsfree Device

This indicates that the phone's TTY setting has been turned on. Turn off the TTY setting and reattach the handsfree device. See “TTY Device Compatibility” on page 65.

My ring volume is too high/too low.

There are two ways to change your ring volume.

- Use the side volume keys to increase (press up) or decrease (press down) the volume.

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- Scroll to **Settings, Select, Sounds, Select, Ringer Volume, Select**. Use the joystick to increase (tilt right) or decrease (tilt left) the volume.

How do I check my voicemail?

- 1 From standby mode, press and hold 1.
- 2 During the greeting, press # and enter your password.
- 3 Follow the voice prompts to hear your messages.

For more information, See “Some profiles are automatically activated when a specific accessory is attached, for example, the **Car/Handsfree** profile is activated when a handsfree device is attached. When the accessory is removed, the profile is changed back.” on page 64..

I do I find my phone's model number?

Your phone's model number is located on the label under your battery. You will need to remove the back cover and the battery to see the label. For more information on removing the back cover and battery, “To Remove the Cover and Battery” on page 3.

How do I redial a number?

Use the Call List to redial numbers. From the standby screen, press **Call List** (left softkey). Both incoming and outgoing calls are listed. Use the joystick to scroll to the number you want to call and press **Call**.

How do I speed dial a number?

You must first assign position numbers to your contacts. Then, you simply press the position number and press **Call**. For more information, see “Speed and Super Speed Dialing” on page 27.

I don't know how much memory I have remaining.

Scroll to **Contacts, Select, Advanced, Select, Memory Status, Select**.

My display is too light/too dark.

- 4 Scroll to **Settings, Select, Display, Select, Contrast, Select**.
- 5 Press the joystick right to decrease the contrast or left to increase it.
- 6 Press **Save** to save the setting.

Error Messages

Emergency only	You are within range of a network, but you are not allowed to use it. However, in an emergency, some operators allow you to call 911 or other emergency numbers. See “Making Emergency Calls” on page 12.
No network	There is no network within range or the received signal is too weak. You have to move to get a signal that is strong enough.
Phonelocked or Phonelock code:	Your phone comes with the phonelock code, 0000. You can change it to any four- to eight-digit code. See “Phonelock” on page 67.

Charging, alien battery	The battery you are using is not a Sony Ericsson-approved battery and is charging slowly for safety reasons.
Service not available (Browser)	
Data Server Unavailable (Browser)	

Accessories and Internet

Technical Assistance/Customer Service

Note: *Before calling the customer care line, locate the label under your battery. You will need to remove the back cover, but you do not need to remove the battery to see the label. Simply lift the battery. The customer care representative will need information from your label to assist in processing your call.*

- United States - 1-800-374-2776
- Latin America - +1-305-755-6789

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- Canada - 1-800-668-2101
- Other Countries - +1-919-472-7908

Ordering Accessories

You can purchase Ericsson branded or Sony Ericsson branded accessories intended for use with this product by:

- Visiting <http://www.SonyEricsson.com/US> (US Only)
- Calling 1-800-374-2776 (US Only)
- Calling 1-800-755-6789 (Puerto Rico)
- Visiting Your Local Ericsson or Sony Ericsson Retailer

Internet

Visit Sony Ericsson Mobile Communications on the internet at:

<http://www.SonyEricsson.com>

Mobile Internet

Visit the Sony Ericsson Mobile Internet at: www.SonyEricsson.com/mobileinternet for online

access to synchronization software, customer services, user's guides, and other useful information.

Sony Ericsson Consumer Website

On www.SonyEricsson.com/support you will find a support section where help and tips are only a few clicks away. Here you find the latest software updates, tips on how to use your product more efficiently, function guides for some of the products and additional help when you require it.

Guidelines for Safe and Efficient Use

Please read this information before using your mobile phone.

Recommendations

- Always treat your product with care and keep it in a clean and dust-free place.
- Do not expose your product to liquid or moisture or humidity.
- Do not expose your product to extreme high or low temperatures.
- Do not expose your product to open flames or lit tobacco products.
- Do not drop, throw, or try to bend your product.
- Do not paint your product.
- Do not use your product near medical equipment without requesting permission.
- Do not use your product when in, or around aircraft, or areas posted “turn off two-way radio”.
- Do not use your product in an area where a potentially explosive atmosphere exists.
- Do not place your product or install wireless equipment in the area above your car’s air bag.
- Do not attempt to disassemble your product. Only Sony Ericsson authorized personnel should perform service.
- If your mobile phone is equipped with infrared, never direct the infrared ray at anyone’s eye and make sure that it does not disturb any other infrared units.

Antenna

Your phone is equipped with an internal antenna. Only use an antenna that has been specifically designed by Sony Ericsson for your mobile phone. Use of unauthorized or modified antennas could damage your mobile phone and may violate regulations, causing loss of performance and SAR levels above the recommended limits (see below).

Efficient Use

- Hold your mobile phone as you would any other phone. Do not cover the top of the phone when in use, as this affects call quality and may cause the phone to operate at a higher power level than needed, thus shortening talk and standby times. If your mobile phone is equipped with an retractable antenna, Sony Ericsson recommends that the antenna should be kept fully retracted (closed) while the phone is in use and worn on the body to avoid the antenna touching, or coming in close proximity to, the body.

Do not use the mobile phone with the front and/or back cover removed from the unit.

Radio Frequency (RF) Exposure and SAR

Your mobile phone is a low-power radio transmitter and receiver. When it is turned on, it emits low levels of radio frequency energy (also known as radio waves or radio frequency fields).

Governments around the world have adopted comprehensive international safety guidelines,

developed by scientific organizations, e.g. ICNIRP (International Commission on Non-Ionizing Radiation Protection) and IEEE (The Institute of Electrical and Electronics Engineers Inc.), through periodic and thorough evaluation of scientific studies. These guidelines establish permitted levels of radio wave exposure for the general population. The levels include a safety margin designed to assure the safety of all persons, regardless of age and health, and to account for any variations in measurements.

Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body when using a mobile phone. The SAR value is determined at the highest certified power level in laboratory conditions, but the actual SAR level of the mobile phone while operating can be well below this value. This is because the mobile phone is designed to use the minimum power required to reach the network. Therefore, the closer you are to a base station,

the more likely it is that the actual SAR level will decrease.

Variations in SAR below the radio frequency exposure guidelines do not mean that there are variations in safety. While there may be differences in SAR levels among mobile phones, all Sony Ericsson mobile phone models are designed to meet radio frequency exposure guidelines.

Accessories can significantly affect a mobile phone's compliance with the radio frequency exposure guidelines. For example, the Federal Communication Commission in the U.S. requires that some manufacturers' accessories shall be tested, and Sony Ericsson has done so with respect to its products. To avoid causing loss of performance or radio frequency exposure levels above the permissible limits it is recommended that you only use Sony Ericsson or Ericsson original accessories intended for use with the mobile phone. If you wear the mobile phone on your body while it is transmitting, and you do not use a Sony Ericsson or Ericsson original body worn accessory, please ensure that the mobile phone is positioned a

minimum of 1.5 cm from your body and that you are not using an accessory that contains any metal.

A separate leaflet with SAR information for this mobile phone model is included with the material that comes with this mobile phone. This information can also be found, together with more information on radio frequency exposure and SAR, on www.SonyEricsson.com.

Driving

Please check if local laws and regulations restrict the use of mobile phones while driving or require drivers to use handsfree solutions. We recommend that you use Ericsson or Sony Ericsson handsfree solutions intended for use with your product. Please note that because of possible interference to electronic equipment, some vehicle manufacturers forbid the use of mobile phones in their vehicles unless a handsfree kit with an external antenna supports the installation.

Always give full attention to driving and pull off the road and park before making or answering a call if driving conditions so require.

Personal Medical Devices

Mobile phones may affect the operation of cardiac pacemakers and other implanted equipment. Please avoid placing the mobile phone over the pacemaker, e.g. in your breast pocket. When using the mobile phone, place it at the ear opposite the pacemaker. If a minimum distance of 15 cm (6 inches) is kept between the mobile phone and the pacemaker, the risk of interference is limited. If you have any reason to suspect that interference is taking place, immediately turn off your mobile phone. Contact your cardiologist for more information.

For other medical devices, please consult the manufacturer of the device.

Children

DO NOT ALLOW CHILDREN TO PLAY WITH YOUR MOBILE PHONE OR ITS ACCESSORIES. THEY COULD HURT THEMSELVES OR OTHERS, OR COULD ACCIDENTALLY DAMAGE THE MOBILE PHONE OR

ACCESSORY. YOUR MOBILE PHONE OR ITS ACCESSORY MAY CONTAIN SMALL PARTS THAT COULD BE DETACHED AND CREATE A CHOKING HAZARD.

Disposing of the Product

Your mobile phone should not be placed in municipal waste. Please check local regulations for disposal of electronic products.

Power Supply

Connect the AC power adapter only to designated power sources as marked on the product. Make sure the cord is positioned so that it will not be subjected to damage or stress. To reduce risk of electric shock, unplug the unit from any power source before attempting to clean it. The AC power adapter must not be used outdoors or in damp areas. Never alter the cord or plug. If the plug will not fit into the outlet, have a proper outlet installed by a qualified electrician.

Battery Use and Care

Charge the battery for 12 hours before you use your mobile phone for the first time. The battery can only be charged in temperatures between +5°C (+41°F) and +45°C (+113°F).

A new battery or one that has not been used for a long time could have reduced capacity the first few times it is used.

The talk and standby times depend on the actual transmission conditions when using the mobile phone. If the mobile phone is used near a base station, less power is required and talk and standby times are prolonged.

Use only Ericsson or Sony Ericsson branded original batteries and chargers intended for use with your mobile phone. Other chargers may not charge sufficiently or may produce excessive heat. Using other batteries and chargers could be dangerous.

- Do not expose the battery to extreme temperatures, never above +60°C



(+140°F). For maximum battery capacity, use the battery at room temperature.

- **Warning!** May explode if disposed of in fire.
- Do not expose the battery to liquid.
- Keep out of children's reach.
- Turn off your mobile phone before removing the battery.
- Use the battery for the intended purpose only.
- Do not disassemble or modify the battery.
- If your mobile phone battery has metal contacts, do not let the metal contacts touch another metal object. This could short-circuit and damage the battery.
- Do not allow the battery to be put into the mouth. Battery electrolytes may be toxic if swallowed.



Disposing Of The Battery

The battery should never be placed in municipal or household waste. Please check local regulations for disposal of batteries or



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call your local Sony Ericsson Customer Care Center for information.

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Emergency Calls

IMPORTANT!

This mobile phone, like any mobile phone, operates using radio signals, cellular and landline networks as well as user-programmed functions, which cannot guarantee connection under all conditions. Therefore you should never rely solely upon any mobile phone

for essential communications (e.g. medical emergencies).

Remember, in order to make or receive calls, the mobile phone must be switched on and in a service area with adequate cellular signal strength. Emergency calls may not be possible on all cellular phone networks or when certain network services and/or mobile phone features are in use. Check with your local service provider.

Using wireless technology to help provide location information in case of an emergency is a goal shared by the entire wireless industry, local phone companies and the emergency response centers. Your phone includes technology which represents the first step towards that goal. However, the technique in its current state, combined with related implementation technologies means that the method may not always work, even if you are able to speak with an emergency response center. Always review with an emergency response center all location data you have, including intersecting

streets, as well as any landmarks, to assist in locating you.

Sony Ericsson is committed to continuing to work with the entire communications industry to improve location features for emergency response.

Sony Ericsson is not liable for any service(s) including operation, coverage, or range of the network services provided by network carriers independent of Sony Ericsson.

Limited Warranty

Sony Ericsson Mobile Communications (USA) Inc. (Sony Ericsson), provides this Limited Warranty for your mobile phone and original accessories delivered with your mobile phone (hereinafter referred to as “Product”).

Should your Product need warranty service, please return it to the dealer from whom it was purchased, or contact your local Sony Ericsson Customer Care Center (national rates may apply) or visit www.SonyEricsson.com to get further information.

Our Warranty

Subject to the conditions of this Limited Warranty, Sony Ericsson warrants this Product to be free from defects in design, material, and workmanship at the time of its original purchase by a consumer, and for a subsequent period of one (1) year.

What We Will Do

If, during the warranty period, this Product fails to operate under normal use and service, due to defects in design, materials, or workmanship, Sony Ericsson authorized distributors or service partners, in the country where you purchased the Product, will, at their option, either repair or replace the Product in accordance with the terms and conditions stipulated herein.

Sony Ericsson and/or its service partners reserve the right to charge a handling fee if a returned Product is found not to be under warranty according to the conditions below.

Please note that your personal settings/downloads might be lost when the Product is repaired or replaced.

Conditions

- 1 The warranty is valid only if the original proof of purchase issued to the original purchaser by an, for this Product, Sony Ericsson authorized dealer, specifying the date of purchase and serial number*, is presented with the Product to be repaired or replaced. Sony Ericsson reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the Product from the dealer.
- 2 If Sony Ericsson repairs or replaces the Product, the repaired or replaced Product shall be warranted for the remaining time of the original warranty period or for ninety (90) days from the date of repair, whichever is longer. Repair or replacement may involve the use of functionally equivalent reconditioned units. Replaced parts or components will become the property of Sony Ericsson.
- 3 This warranty does not cover any failure of the Product due to normal wear and tear, or due to misuse, including but not limited to use in other than the normal and customary manner, in accordance with the Sony Ericsson instructions for use and maintenance of the Product. Nor does this warranty cover any failure of the Product due to accident, software or hardware modification or adjustment, acts of God, or damage resulting from liquid.
- 4 Since the cellular system on which the Product is to operate is provided by a carrier independent from Sony Ericsson, Sony Ericsson will not be responsible for the operation, availability, coverage, services, or range of that system.
- 5 This warranty does not cover Product failures caused by installations, modifications, or repair or opening of the Product performed by a non-Sony Ericsson authorized person.
- 6 The warranty does not cover Product failures which have been caused by use of accessories or other peripheral devices which are not Ericsson or Sony Ericsson branded original accessories intended for use with the Product.
- 7 Tampering with any of the seals on the Product will void the warranty.
- 8 THERE ARE NO EXPRESS WARRANTIES, WHETHER WRITTEN OR ORAL, OTHER THAN THIS PRINTED LIMITED WARRANTY. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED

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WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SONY ERICSSON OR ITS LICENSORS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS OR COMMERCIAL LOSS, TO THE FULL EXTENT THOSE DAMAGES CAN BE DISCLAIMED BY LAW.

Some countries/states do not allow the exclusion or limitation of incidental or consequential damages, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you.

The warranty provided does not affect the consumer's statutory rights under applicable legislation in force,

nor the consumer's rights against the dealer arising from their sales/ purchase contract.

* In some countries/regions additional information is requested. If so, this is clearly shown on the valid proof of purchase.

US Safety Guidelines

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (i.e., at the ear and worn on the body) as required by the FCC for each model. Body worn measurements are made while the phone is in use and worn on the body with an Ericsson or Sony Ericsson accessory supplied with or designated for use with this phone. The design and composition of an accessory can affect the body worn Specific Absorption Rate (SAR) levels for the phone. Sony Ericsson has not measured, and makes no representation about, the body worn SAR levels when the phone is used with non-Ericsson or non-Sony Ericsson accessories not supplied with or designated for use with this phone.

Consumer Update

Wireless Phones Supplied by the U.S. Food and Drug Administration (FDA) - Center for Devices and Radiological Health

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that

some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration

- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

What kinds of phones are the subject of this update?

The term “wireless phone” refers here to hand-held wireless phones with built-in antennas, often called “cell,” “mobile,” or “PCS” phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user’s head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called “cordless phones,” which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know

with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof

of a cancer promoting effect if one exists.

Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are

conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad

assessment of additional research needs in the context of the latest research developments around the world.

How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from

the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

What has FDA done to measure the radiofrequency energy coming from wireless phones ?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the

heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone

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use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a

joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a “compatible” phone and a “compatible” hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Where can I find additional information?

For additional information, please refer to the following resources:

- FDA web page on wireless phones (<http://www.fda.gov/cdrh/phones/index.html>)
- Federal Communications Commission (FCC) RF Safety Program (<http://www.fcc.gov/oet/rfsafety>)
- International Commission on Non-Ionizing Radiation Protection (<http://www.icnirp.de>)
- World Health Organization (WHO) International EMF Project (<http://www.who.int/emf>)
- National Radiological Protection Board (UK) (<http://www.nrp.org.uk/>)

US SAR Statement

THIS PHONE MODEL HAS BEEN CERTIFIED IN COMPLIANCE WITH THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

This mobile phone model **T606** has been designed to comply with applicable safety requirements for exposure to radio waves. Your wireless phone is a radio transmitter and receiver. It is designed to not exceed the limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by international scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of

measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (i.e., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value as reported to the FCC

for this model phone when tested for use at the ear is **1.46** W/kg and when worn on the body is **1.40** W/kg. Body worn measurements are made while the phone is in use and worn on the body with an Ericsson or Sony Ericsson accessory. Accessories can significantly affect SAR compliance. The Federal Communication Commission requires that some manufacturers' accessories be tested, and Sony Ericsson has done so with respect to its products. Sony Ericsson has only tested Ericsson and Sony Ericsson original accessories in conjunction with Sony Ericsson phones. It is therefore recommended that only Ericsson and Sony Ericsson original accessories be used in conjunction with Sony Ericsson phones.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. While there may be differences between the SAR levels of various phones, all mobile phones

granted an FCC equipment authorization meet the government requirement for safe exposure.

SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID **PXITR-CA1102**. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) web-site at <http://phonefacts.net/>.

** In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a margin of safety to give additional protection for the public and to account for any variations in measurements.*

Wireless Phone Safety Tips

Your wireless telephone gives you the powerful ability to communicate by voice - almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

- 1 Get to know your wireless phone and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.
- 2 When available, use a hands free device.** If possible add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
- 3 Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from

the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.

- 4 Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- 5 Do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility - driving safely.
- 6 Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- 7 Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention from the road.

8 Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.

Remember, it is a free call on your wireless phone!



9 Use your wireless phone to help others in emergencies.

If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

Call roadside assistance or a special non-emergency wireless assistance number when necessary.

If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

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