



PANTECH.
P2050

User Guide

Thank you for choosing the Pantech P2050. The Pantech P2050 has many features designed to enhance your mobile experience. From its EZ to read menus, to its sleek, stylish design, we know you will enjoy the entire P2050 experience.

This User Guide contains important and useful information that will maximize your familiarity with all that the Pantech P2050 has to offer.

Specifications

Design

Clamshell phone with internal and external display

Displays

- 260K Colors TFT LCD with 3" internal display
- 65K Colors CSTN LCD with 1.44" external display
- 7 lines for text in basic mode with 16 point font
- Two soft keys and four-way scroll and pressing

Melodies

MIDI, i-Melody, MP3, AMR, WAV, AAC, AAC+, WMA

Camera

Integrated 3M CMOS Camera

- Resolution up to 1280 x 1024 (1.3M pixels)
- 3GP Video recording/playing up to 15f/s (QVGA size)
- Self-timer function (5 seconds or 10 seconds)
- Photo album and video album

Dimensions & Weight

Weight: 102 g (with standard battery)

Dimensions: 106.5 mm x 53 mm x 17.4 mm

Power Management (Performance)

Battery Type	Capacity	Standby Time	Talk Time
Standard Lithium-Ion (Li-ion)	Up to 920mAh	Up to 250 hours	Up to 3 hours

Operating Frequency

- GSM 850Mhz, GSM 900Mhz, DCS 1800Mhz, and PCS 1900Mhz networks in North America, South America, Europe, Africa, and Asia-Pacific where these networks are supported
- Automatic band switching

Specifications	2
Phone overview	8
Using Shortcuts	10
Menu overview	11
Quick & Easy	14
SIM card and battery	17
Turning the phone on/off	20
Essential display indications	20
Setting the phone mode.....	23
Entering text.....	24
EZ quick call keys.....	26
PC Suite.....	27
Memory card	28
Memo.....	32

Breeze Mode

1. Calls and address book

Making, receiving and ending a call.....	34
Options during a call.....	36
Checking all calls	39
Speed dialing	42
Using address book	43
Using your headset	45
Service and fixed dialing number	46

2. Messaging

Receiving messages.....	48
Creating and sending text messages	49
Creating multimedia messages ..	49
Managing messaging memory...	55
Email	56

3. Multimedia

Camera.....	58
Photo album.....	64
Video album	66

4. Useful Features

Magnifier	70
Calendar.....	70
Alarm clock	71
Pill Reminder.....	72
User Guide	74
Calculator	74
Tip calculator	75
Stop watch	75
Say a Command	76
Readout Mode.....	77

5. Connectivity

Bluetooth.....	80
Using Mobile Web	82

6. Settings

Phone status	84
Sounds & alerts.....	84
Display settings.....	85
Voice command setting	85

Advanced Mode

1. Calls and address book

Making, receiving and ending a call.....	88
Call settings.....	93
Checking all calls	93
Speed dialing	96
Using address book	97
Using your headset	99
Service and fixed dialing number	100
Caller identification.....	101

2. Messaging

Receiving messages.....104
 Creating and sending text messages106
 Creating multimedia messages 107
 Message templates.....112
 Message settings..... 113
 Managing messaging memory 115
 Email117
 Using instant messenger.....117

3. Multimedia

Camera..... 120
 Photo album..... 126
 Video album 128
 Audio album 130
 Music player132

Music player settings.....137
 Media player 138
 Other files140
 Managing memory140
 Playing games 141
 AppCenter 141

4. Useful Features

Calendar..... 144
 Alarm clock 145
 Pill Reminder..... 146
 User Guide 147
 Calculator 148
 Tip calculator 148
 Stop watch 149
 Notepad and voice memo 149
 World time..... 151
 Converter 151
 Timer152

Say a Command152
 Readout Mode..... 154

5. Connectivity

Bluetooth..... 156
 Using Mobile Web 159
 Using the web browser 159
 Setting profiles..... 161

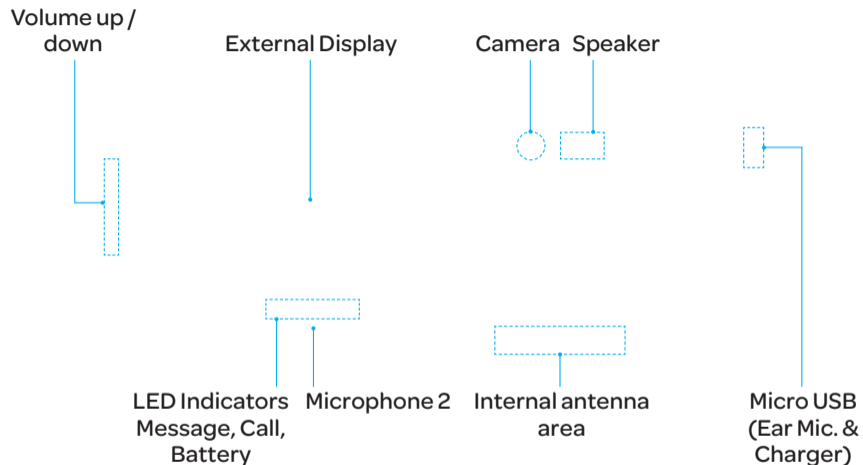
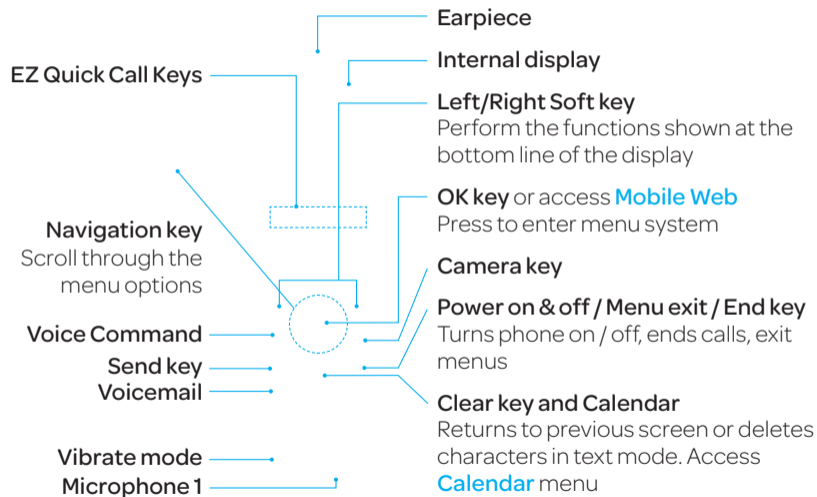
6. Settings

Language..... 164
 Time and date.....164
 Voice command setting 164
 Sounds and alerts 165
 Display settings..... 165
 Security 167
 Updating software.....168
 Reset.....169
 TTY 170

Appendix

Alert message174
 Troubleshooting checklist175
 Safety information..... 178
 Safety precautions 179
 About the battery usage..... 181
 FCC Hearing-Aid Compatibility (HAC) regulations for wireless devices..... 185
 FCC Regulatory Compliance..189
 Warranty..... 193
 Speaker Phone & Noise Cancel200
 Dynamic Noise Suppression from Audience201
 earSmart™ technology..... 202

Phone overview



note: Holding the device by the internal antenna area might affect the quality of all calls.



note: The phone has integrated advanced noise suppression technology. To ensure voice quality, please do not cover microphone entries as indicated.

Using Shortcuts

Numbered menu items, such as menus, sub-menus, and options can be quickly accessed by using their shortcut numbers.

In Menu mode, Main Menu can be accessed by pressing the number keys (1 to #) corresponding to their location on the screen.

Example: Accessing the **Phone Mode** menu.

1. Select **Menu**.
2. Press  for **Settings**.
3. Press  for **Phone Mode**.
4. Press the ▲/▼ scroll key to select the mode.

note: The steps may vary by mode and this manual provides instructions for both **Breeze Mode** and **Advanced Mode** respectively.

Menu overview

Breeze mode menu

Address Book

Contacts

Groups

Favorites

Settings

Fixed Dial Numbers

My Phone Number

[#]Service Numbers

[#]SIM dependent

Messaging

Inbox

Create Message

Sent Messages

Voice Mail

Mobile Email

Camera

Take a Picture

Record a Video

My Pictures

My Videos

xxxx Services

Say a Command

xxxx Navigator

My Cast Weather

Mobile Web

Games & Apps

My Account

Tools

Magnifier

Calendar

Alarm Clock

Pill Reminder

User Guide

Calculator

Tip Calculator

Stop Watch

Settings

Phone Status

Sounds & Alerts

Bluetooth

Font Size

Wallpaper

Phone Mode

Voice Command Setting

Quick & Easy

Keys	Functions
	Perform the functions shown at the bottom line of the display by using these soft keys.
	Scroll through the menu options in Menu mode. In standby mode, Left Scroll: Access Mobile Email menu Right Scroll: Access IM menu Up Scroll: Access Create Message menu Down Scroll: Access Address Book menu
	Select a menu function or store user-input information, such as names. Also use this key for confirmation. Launch the Mobile Web directly if pressed in standby mode.
	Delete characters in text mode, or return to previous menu. Open Calendar view if pressed quickly in standby mode.

Keys	Functions
	Make or receive a call. Show the recent call list in standby mode. Re-dial the last call number if pressed and held in standby mode.
	Complete the current call. Turn on/off the phone if pressed and held. Cancel user input and return to standby mode while in Menu mode.
	Quickly connect to the voice mail server if pressed and held in standby mode.
	Enters numbers, letters or special characters. Go to the dial screen if pressed in standby mode. Assigns the number as a speed dial when it is pressed and held.
	Enter or exit from vibrate mode if pressed and held in standby mode. Show the symbol input screen if pressed in text input mode.

Keys	Functions
	Enter the + sign prefix for international dialing if pressed and held. Enter the space character in text input mode.
	Change various text input modes if pressed at the text-editing screen.
	Adjust the earpiece volume while making a call. Control the Ringtone volume, vibrate mode and silent all mode in standby. Mute the ringtone of an incoming call. Reject the incoming call if pressed and held when you receive an incoming call.
	Turn camera capture mode on. Work as a camera shutter in capture mode.
	Turn the Voice Commands on.

SIM card and battery

About your SIM card

When you subscribe to your network operator, you receive a SIM (Subscriber Identity Module) card containing your registration information, PIN code, etc. Like a credit card, it should be kept secure and handled carefully. Do not bend, scratch or expose it to moisture. Avoid static electricity. To avoid corrupting your SIM card's memory, always switch off your phone before removing or inserting your SIM card.

About your battery

Your phone uses a Li-Ion battery. Make sure to use an authorized battery and charger only. For more details, please inquire at your nearest dealer.

note: Your phone is powered by a Lithium Ion (Li-Ion) battery. This means that, unlike other forms of battery technology, you can recharge your battery while some charge remains without reducing your phone's autonomy due to the "battery memory effect" inherent in those technologies.

Installing/removing SIM card and battery

1. Remove the battery cover from the unit. To fit the battery cover, put it on the guide rail and push up.

2. Insert the SIM card into the slot. The gold contacts of the SIM card should go against the metal contacts of the phone. Put the contacts of the battery into the hole located at the bottom of the unit and then insert and press the upper side of the battery until you hear the "click". Make sure you align the gold contacts at the

battery end with contacts on the phone. If the contacts at the battery are not properly aligned, damage could occur to the phone and the battery.

3. To remove the battery, push the bottom of the battery to upwards (1) and remove (2) the battery. Push the SIM card

in the arrow direction as shown.

To charge your battery

1. To charge, connect the charger adapter as shown right.

2. To remove the adapter connecting, pull the adapter away as shown right.

Turning the phone on/off









To turn on









1. Press and hold .











To turn off








1. Press and hold .









Essential display indications

	Signal strength. The greater the number of bars, the stronger the signal. When network is in searching mode  is displayed.
	Flight mode is active.
	A call is being made. When you are in no service area,  is displayed.
	Call forwarding ^{ns} is active.
	Incoming calls set to ring only (Normal).
	Incoming calls set to Vibrate and Ring .

	Incoming calls set to Vibrate Only .
	Incoming calls set to Silent .
	Received one or more text messages.
	Received one or more multimedia messages.
	Received one or more WAP push messages.
	Received one or more other messages.
	Received one or more voice messages.
	Inbox is full.

	A message is being sent.
	A message is being received.
	An alarm is set.
	Bluetooth is active.
	Bluetooth hands-free headset is connected.
	Bluetooth A2DP headset is connected.
	Bluetooth hands-free + A2DP headset is connected.
	Data transfer via Bluetooth.
	Headset is connected.
	USB is connected.

	External memory card is inserted.
	An error occurred on the external memory card.
	TTY is active.
	Pill Reminder is set.
	An EDGE signal is available. It is displayed when there is an active EDGE session.
	A GPRS signal is available. It is displayed when there is an active GPRS session.
	A 3G signal is available. It is displayed when there is an active 3G session.

	WAP is connected. When the security is set  is displayed.
	Battery strength. When the battery charge is low,  is displayed.
	Available, Away, Invisible Status of AIM
	Online, Away, Busy, Offline Status of MSN
	Available, Busy, Invisible Status of YAHOO
	You have received one or more IM messages

[§]SIM dependent [#]Network dependent

Setting the phone mode

Your phone has two customized modes, Breeze and Advanced. The default is set to Breeze mode which provides EZ access to the functions used most frequently. In the Breeze mode, you can view an abbreviated menu: **Address Book, Messaging, Camera, xxxx Services, Tools** and **Settings**. The **Advanced Mode** allows access to all menu items.

Breeze Mode

Advanced
Mode

To change the phone mode

1. Select **Menu > Settings > Phone Mode**.
2. Select **Breeze Mode** or **Advanced Mode**.

Assigning the menu








You can set the most commonly used menu in **Shortcuts** in standby mode.

1. Select **Shortcuts** in standby mode > **Unassigned**.
2. Select **Add**.
3. Select the menu and sub menu.
4. Select **Save**.

Entering text

You can enter text with multi-tap, predictive, numeric or symbol.

Useful keys

	Display symbols.
	Adding a space.
	Press to toggle from initial caps to all caps, to lower case, or to numeric entries.
	Press to change the text entry functions from ABC mode to predictive mode, or number mode.
	ABC Mode    (lower case / initial caps / all caps)
	Predictive Mode    (lower case / initial caps / all caps)
	Number Mode 






Key characters by language

Each of the following keys will scroll through these sequential options listed by language.

Key	English	French	Spanish
	. , - ? ! / ' @ :		
	abc	ç à ä	á ã ç
	def	é è	é
	ghi		í
	jkl		
	mno	ö ñ	ó ñ
	pqrs	ß	
	tuv	ù ü	ú ü
	wxyz		

ABC mode

Press the key labeled with the target letter once for the first letter; press it twice for the second letter, and so on.

1. Press  to change the mode as multi-tap.
2. Press  to  to input text repeatedly. To write the letter "C", press  3 times. To write number 2, press  4 times.

Predictive mode (T9)

The predictive mode automatically compares your keystrokes with an internal linguistic dictionary to determine

the correct word. It will display the most commonly used first. To save a word not listed in phone's dictionary, select **Options > Predictive Settings > My Words**.

1. Press **# 0** to change the mode to predictive.
2. Press **2 ABC** to **9 WXYZ** to input text. For example, to write 'hello', press **4 GHI** **3 DEF** **5 JKL** **5 JKL** **6 MNO**.

Number mode

You can input numbers in this mode.

1. Press **# 0** to change the mode to 123.

2. Press **1 00** to **9 WXYZ** and **0 *** to input numbers.

Symbol mode

You can input symbols.

1. Press *** 9** to view the symbols.
2. Press **▲/▼/◀/▶** to select a symbol and select **Insert**.

EZ quick call keys

Getting in touch with those you call most is now as EZ as 1-2-3.

note: The following direction is an example with using **1** key. The usage of **2** and **3** keys will be same as the following.

To assign a contact to Quick Call

1. Press **1**.
2. Select **Quick Call > Assign**.
3. Select a contact > **Select**.

To make a call using one touch key

1. Press **1**.
2. Select **Call**.

To send a message using one touch key

1. Press **1**.
2. Select **Options > Send Message**.

PC Suite

PC suite is a Windows-based PC program that allows you to easily manage personal data and multimedia files by connecting your Phone to a PC. The PC suite application can be downloaded at <http://www.pantechusa.com>.

System requirements

- Microsoft Windows 2000 or XP family and Vista 32 bit
- At least 300MB of free disk space

- Interface devices such as USB or Bluetooth for the connection with the phone

PC Suite features


- Contact Manager
- PC Sync
- Message Manager
- File Manager
- MMS PC Composer
- Internet Access

Memory card

You can use a microSD card as a memory card. It gives you more space to save pictures, videos, music, etc.

Inserting a memory card

1. Remove the battery cover and the battery from the unit.
2. Unlock the microSD card slot by carefully sliding it up. The metal cover should now be easily lifted up.

3. Insert the microSD card into the slot. The gold contacts of the microSD card should go against the metal contacts of the phone.
4. Close the metal cover and slide down to lock the microSD card in place. The  icon will be displayed when the phone is turned on.

Using a memory card

You can save, move and delete the files in your phone and external memory card. You can also move and copy the files to computer from your phone.

To copy a file to the memory card

1. Select a file > **Options** > **Copy to External Memory**.
2. To copy the file back to the phone, select **Options** > **Copy to Phone**.

To move a file to the memory card

1. Select a file > **Options** > **Move to External Memory**.
2. To move the file back to the phone, select **Options** > **Move to Phone**.

To delete a file from the memory card

1. Select a file from the card > **Options** > **Delete**.

In **Advanced Mode**, you have access to all of the features of P2050 including the features provided by **Breeze Mode**.

To move the file from the card to the computer

1. Connect the data cable with mobile and the computer.
2. Select **Menu** > **Settings** > **Connectivity**.
3. Select **Select USB Mode**.
4. Select **Music Player**, **Mass Storage** or **Ask on Connection**.
5. Follow the instructions on your computer screen.

note: Select **Music Player** when you want to add music to the playlist in your device. When you select **Ask on Connection**, it will ask you to select either the **Music Player** or **Mass Storage** every time you connect your device with your computer.

Resetting a memory card

1. Select **Menu** > **Settings** > **Reset**.
2. Enter the password > select **External Memory Reset**.

note: The default password is '1234'.

1

Calls and address book

- Making, receiving and ending a call
- Options during a call
- Checking all calls
- Speed dialing
- Using address book
- Using your headset
- Service and fixed dialing number

Making, receiving and ending a call

Making a call

1. Enter the area code and phone number.
2. Press **CALL**.

Answering a call

1. Press **CALL** or select **Accept**.

Ending a call

1. Press **END**.

Once the call is completed, a call summary is displayed.

Rejecting a call

Press **END** or select **Ignore**.

Making a call using the call list

Your phone logs up to 20 dialed, received and missed call numbers.

1. Press **CALL** to display the recent calls list.
2. Select **All Calls**, **Missed Calls**, **Received Calls**, **Dialed Calls** or **Call Ranking** by pressing **◀/▶**.
3. Select a number.
4. Press **CALL** to dial the selected number.

note: To redial the last number, press and hold **CALL** in standby mode.

Making a call during a call

1. Enter the phone number or select **Options** > **View Contacts**.
2. Press **CALL** to dial the second call.
The first call is automatically put on hold.

Switching between two calls

1. Select **Options** > **Swap**.

Making an international call

1. Press and hold **☎** for the international prefix until the '+', character appears.

2. Type the country code, area code, and phone number.
3. Press **CALL**.

Making an emergency call

1. You can make emergency calls even if your phone does not have a SIM card.
2. Press Emergency Number, or select **SOS** if your phone does not have a SIM card.
3. Press **CALL**.

Replying to a missed call

1. Press **CALL** to display the calls list.

2. Select **Missed Calls** by pressing ◀/▶.
3. Select a number to call by pressing ▲/▼.
4. Press **CALL**.

Answering a second callⁿ

1. Press **CALL**. The first call is automatically put on hold.
2. Press **END** to end the second call. The call on hold is automatically reconnected.

note: For answering a second call, you should activate **Call Waiting** in advance. (Select **Menu** > **Settings** > **Call** > **Call Waiting** > **Activate** in Advanced Mode.)

Options during a call

Microphone off and on Switching your phone's microphone off

1. Select **Options** > **Mute** [🔇].

Switching your phone's microphone back on

1. Select **Options** > **Unmute**.

Talking on speaker

1. Select [🔊].

Removing background noise

You can eliminate background noise from conversations and improve the voice quality of

communications by setting Noise Suppression to On.

1. Select **Options** > **Noise Suppression**.

Putting a call on hold and returningⁿ

Putting a call on hold

1. Select **Options** > **Hold** or press **CALL**.

Returning to a held call

1. Select **Options** > **Unhold** or press **CALL** again.

Multi-party callsⁿ

You can talk with more than one person or have a conference call.

Making a multi-party call

1. Call the first participant.
2. Call the second participant. The first call is automatically put on hold.
3. Select **Options** > **Join**.

Having a private conversation with one participant

1. Select **Options** > **Split**.
2. Select a participant > **Select**.

Removing one participant from a multi-party call

1. Select **Options** > **End**.
2. Select the number associated with the call you wish to end or **End All** to end all calls.

Searching for a number in address book during a call

1. Select **Options** > **View Contacts**.
2. Select a number, and then press **CALL**.

Searching for a name or group in address book

Enter the first letters of the name for Name Search. The entries are displayed starting with the first entry matching your input.

Finding a name manually in address book

1. Press **▲/▼**.

Viewing the details of highlighted entry in address book

1. Select **Select**.

For details on address book, see page 43.

Reading a message during a call

1. Select **Options** > **View Message**.
2. Select a conversation > **Open**.
3. Select a message > **View**.

Sending a message during a call

1. Select **Options** > **Send Message**.

For details on creating a text message, see page 49.

Mobile Web ⁿ

1. Select **Options** > **Mobile Web**.

Viewing the calendar during a call

1. Select **Options** > **View Calendar**.

Making a note during a call

1. Select **Options** > **Notepad**.

Voice recording

1. Select **Options** > **Voice Recording**.

Checking all calls

You can view information about all calls simply by pressing **CALL**. For more options for all, missed, received, dialed calls, and call

01

02

03

04

05

06

01

02

03

04

05

06

07

ranking, select an entry and **Options**.

Viewing missed calls

1. Select **Shortcuts** in standby mode.
2. Select **Recent Calls > Missed Calls**.

Viewing received calls

1. Select **Shortcuts** in standby mode.
2. Select **Recent Calls > Received Calls**.

Viewing dialed calls

1. Select **Shortcuts** in standby mode.

2. Select **Recent Calls > Dialed Calls**.

Viewing call rankings

1. Select **Shortcuts** in standby mode.
2. Select **Recent Calls > Call Ranking**.

Deleting call logs

1. Select **Shortcuts** in standby mode.
2. Select **Recent Calls > Delete Call Logs**.
3. Select **All Calls, Missed Calls, Received Calls, or Dialed Calls**.

note: If no logs exist, the message “No Call Exist” appears.

Viewing call time

1. Select **Shortcuts** in standby mode.
2. Select **Recent Calls > Call Time**.
3. **Last Call, Received Calls, Dialed Calls, and Total Calls** are displayed.

Resetting all call times

1. Select **Shortcuts** in standby mode.
2. Select **Recent Calls > Call Time**.

3. Select **Reset > Yes**.

note: The default password is ‘1234’.

Viewing data transmitted information

1. Select **Shortcuts** in standby mode.
2. Select **Recent Calls > Packet Counter**.
 - **Current Info:** You can view transmitted data in the current session, in Kilobytes. **Sent, Received** and **Total** information are also available.
 - **Last Info:** You can view **Sent, Received, Total** and

Duration transmitted in previous sessions, in Kilobytes.

- **Total Info:** You can view all **Sent, Received, Total** and **Duration** transmitted data in Kilobytes.
- **Clear Logs:** The default password is '1234'.

Speed dialing

You can dial quickly using speed dialing. Up to 8 phone numbers can be programmed using numbers 2 to 9.

 : Voice mail

 : Prefix for international call

Setting speed dial

1. Select **Menu** > **Address Book** > **Settings**.
2. Select **Speed Dial** > an empty entry and select **Add**.
3. Select a contact > **Select**.

Changing speed dial contact

1. Select **Menu** > **Address Book** > **Settings**.
2. Select **Speed Dial** and select a number.
3. Select **Change**.
4. Select **Select** > **Yes**.

Removing from speed dial

1. Select **Menu** > **Address Book** > **Settings**.
2. Select **Speed Dial** and select a number.
3. Select **Remove** > **Yes**.

Using address book

You can save names, phone numbers, and information on the SIM or phone. Number of entries can depend on the capacity of the SIM card.

Adding a contact

1. Select **Menu** > **Address Book** > **Contacts** > **Options** > **Add**

New Contact.

2. Select **Phone** or **SIM**.
3. Input the fields.
4. Select **Save**.

Viewing the contact list


1. Press ▼ or select **Menu** > **Address Book** > **Contacts**.

Searching for a phone number

1. Press ▼ or select **Menu** > **Address Book** > **Contacts**.
2. Input the first letter or two of the person's name and scroll with ▲/▼.

3. Select **Select** to view detail information.
4. To update information, select **Options** > **Edit Contact**.

Calling from contact list

1. Press ▼ or select **Menu** > **Address Book** > **Contacts**.
2. Select a contact to call.
3. Press .

Sending a contact

1. Press ▼ or select **Menu** > **Address Book** > **Contacts**.
2. Select a contact > **Options** > **Send Contact Info** > **All Contact Info**, **Personal**

Contact, or **Business Contact**.

3. You can send the contact using **Message** or **Bluetooth**.

Deleting a contact

1. Press ▼ or select **Menu** > **Address Book** > **Contacts**.
2. Select a contact > **Options** > **Delete** > **Yes**.

Making groups

1. Press ▼, ► or select **Menu** > **Address Book** > **Groups**.
2. Select **Options** > **Add New Group**.
3. Select **Phone** or **SIM**.

For a 2G SIM card, this step is not needed.

4. Enter a group name and select **Save**.

Editing groups

1. Press ▼, ► or select **Menu** > **Address Book** > **Groups**.
2. Select a group > **Options** > **Add New Group**, **Rename Group**, or **Delete Group**.

Adding to favorites or groups

1. Press ▼ or select **Menu** > **Address Book** > **Contacts**.
2. Select a contact > **Options** > **Add to**.

3. Select **Favorites** or **Groups**.

Using your headset

You can make or receive a call using your headset. When you connect your headset to the jack, the button on the headset works as follows.

note: You must use the headset designed for this device. It is an optional item. Not all headset will have a button.

While in standby mode

1. Press the button **once** to list recent calls.
2. Press the button **twice** to redial the last call.


While the phone is closed

1. Press the button **once** to receive an incoming call.
2. Press and hold the button **once** to end the call.

Service and fixed dialing number

Calling your service numbers[†]

You can see the service number to reach the service provider.

1. Select **Menu > Address Book > Service Numbers**.
2. Select a number and press .

Viewing fixed dialing number list

Fixed dialing number is a service that limits your access to specific numbers in the address book list recorded on the SIM. Input the PIN2 to set up or cancel this service.

1. Select **Menu > Address Book > Fixed Dial Numbers**.

note: PIN2 must be correctly entered within 3 attempts. If you input incorrect code three times in a row, the PIN2 code will be blocked. If the PIN2 code is blocked, please contact your service provider. Your PIN2 code is supplied with the SIM card.

2

Messaging

- Receiving messages
- Creating and sending text messages
- Creating multimedia messages
- Managing messaging memory
- Email

Receiving messages

Viewing a new message

1. Select **View**.

Reading a message from the inbox

1. Select **Menu > Messaging > Inbox**.
2. Select a received message > **View**.

Saving the contact information from a received message

1. Select a received message > **View**.

2. Select **Options > Save**.
3. Select **New Contact** or **Update Contact**.

Saving the object in a received multimedia message

1. Open a multimedia message.
2. Select an object.
3. Select **Options > Use > Save**.

It will be saved in one of the categories in the **My Stuff** folder. *For details on Photo album, see page 64.*

Listening to voice messages

1. Press and hold **[1.∞]** or select **Menu > Messaging > Voice Mail**.

It will automatically call the voice mail center.

Creating and sending text messages

Sending a text message

1. Press **▲** or select **Menu > Messaging > Create Message**.
2. Enter a message.
3. Select **Send to** and a contact

- to send the message and select **Select**.
4. Select **Send**.

Replying to a message

1. Select a message > **Reply** or select a message > **Options > Reply**.

Creating multimedia messages

You can create and send multimedia messages. Capacity is 100KB, 300KB or 600KB. An error message will alert you once the message exceeds the capacity.

Adding a saved picture to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Picture** > **Picture** > **Camera**.
4. Scroll to the saved picture and select **Select**.
5. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**.
6. To edit the text message, press ▲/▼ to select the text box and edit your message.

7. Select **Send to** > a contact > **Select** > **Send**.

Adding a new picture to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Take New Picture**.
4. Focus on the object.
5. Press or Ⓜ.
6. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**.

To go back to text editor page, select **Stop**.

7. To edit the text message, press ▲/▼ to select the text box and edit your message.
8. Select **Send to** > a contact > **Select** > **Send**.

For details on taking a picture, see page 60.

Adding a saved video to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Video** > **Video**.

4. Scroll to the saved video clip and select **Select**.
5. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**. To go back to text editor page, select **Stop**.
6. To edit the text message, press ▲/▼ to select the text box and edit your message.
7. Select **Send to** > a contact > **Select** > **Send**.

Adding a new video to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Record New Video**.
4. Focus on the object.
5. Press or @, or select **Options** > **Record**.
6. To stop and save the recording, select **Stop**.
7. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**.

To go back to text editor page, select **Stop**.

8. To edit the text message, press ▲/▼ to select the text box and edit your message.
9. Select **Send to** > a contact > **Select** > **Send**.

For details on recording a video, see page 62.

Adding a recorded voice memo to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.

3. Select **Insert** > **Sound** > **Audio** > **My Voice**.
4. Scroll to the saved audio clip and select **Select**.
5. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**.
6. Select **Pause** to stop listening the voice memo. Select **Stop** to go back to text editor page.
7. To edit the text message, press ▲/▼ to select the text box and edit your message.
8. Select **Send to** > a contact > **Select** > **Send**.

Adding a new voice memo to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Record New Sound**.
4. Select **Record** to record the sound.
5. To stop and save the recording, select **Stop**.
6. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**.

7. Select **Pause** to stop listening the voice memo. Select **Stop** to go back to text editor page.
8. To edit the text message, press ▲/▼ to select the text box and edit your message.
9. Select **Send to** > a contact > **Select** > **Send**.

For details on Recording a voice memo, see page 150.

Adding other files to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.

3. Select **Insert** > **Other Files** > **Other Files**.
4. Select a file > **Select**.
5. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**. To go back to text editor page, select **Stop**.
6. To edit the text message, press ▲/▼ to select the text box and edit your message.
7. Select **Send to** > a contact > **Select** > **Send**.

Managing messaging memory

Up to 200 messages can be stored in the phone memory, additional messages will be saved to the SIM card. When the message box is full, the messages full icon will appear. All messages share memory.

Icon	Descriptions
	Text message is full (SIM and phone messages).

Deleting a message in the inbox

1. Select a message > **Options** > **Delete** > **Yes**.

Deleting multiple messages in the inbox

1. Select **Options** > **Delete** > **Multiple**.
2. Select **Select** or **Deselect** to select or deselect the message.
3. Select **Options** > **Delete** > **Yes**.

- 01
- 02
- 03
- 04
- 05
- 06
- 01
- 02
- 03
- 04
- 05
- 06
- 07

Email

You can receive emails from your service provider.

Receiving an email

1. Press ◀ or select **Menu** > **Messaging** > **Mobile Email**.
2. Select an email.
3. Select **Select**.

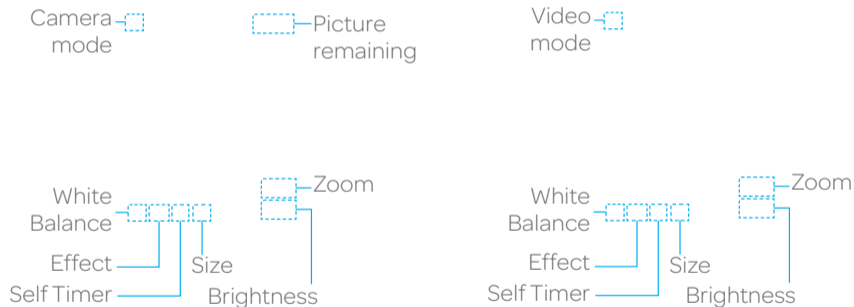
3

Multimedia

Camera
Photo album
Video album

Camera

You can take pictures and record movies using the built-in camera. The photos and video clips can be saved and sent via multimedia messages, Online Locker, or Bluetooth.



note: When you set the photo size to 1280 x 1024, the zoom function is not available.

Setting camera settings




















1. Press **@** in standby mode or select **Menu > Camera > Take a Picture**.
2. Select **Options > Settings** to change settings prior to taking a picture.

Camera options

Icon	Name	Descriptions
	White Balance	Auto () , Day Light () , Tungsten () , Fluorescent ()
	Effect	Normal () , Sepia () , Negative () , B&W ()

Icon	Name	Descriptions
	Self Timer	Off () , 5 secs () , 10 secs ()
	Size	1280x1024 () , 1024x768 () , 640x480 () , 320x240 () , 240x320 ()
	Advanced	Picture Quality, Save Location, Shutter Sound, Timer Sound

Video camera options

Icon	Name	Descriptions
	White Balance	Auto () , Day Light () , Tungsten () , Fluorescent ()
	Effect	Normal () , Sepia () , Negative () , B&W ()
	Self Timer	Off () , 5 secs () , 10 secs ()
	Size	176x144(MMS) () , 176x144 () , 320x240 ()
	Advanced	Video Quality, Sound Recording, Save Location, Timer Sound

Zoom in and out

1. Press ▲/▼.
It ranges from 1 x to 4 x.

Increasing or decreasing the brightness

1. Press ◀/▶.
It ranges from -2 to +2.

Taking a picture

1. Press @ in standby mode or select **Menu > Camera > Take a Picture**.
2. Focus on the object.
3. Press or @, or select **Options > Capture**.

Changing to video camera mode

1. Press @ in standby mode or select **Menu > Camera > Take a Picture**.
2. Select **Options** while camera mode is activated.
3. Select **Video Camera Mode**.

In camera mode, press and hold @ to change to video camera mode.

4. Focus on the object.
5. Press or @, or select **Options > Record**.
6. Select **Stop** to stop recording.

Viewing the taken picture

1. Press @ in standby mode or select **Menu > Camera > Take a Picture**.
2. Select **Options > Photo Album**.
3. Select a picture > **View**.

After taking pictures

	To Press
Send using a multimedia message	Options > Send > as Multimedia Message
Send using Online Locker	Options > Send > Send to Online Locker

To	Press
Send using Bluetooth	Options > Send > via Bluetooth
Set as wallpaper	Options > Set as > Wallpaper
Set as Caller ID	Options > Set as > Caller ID
Delete	Options > Delete
Rename	Options > Rename
View photo information	Options > Properties

Recording a video

1. Select **Menu > Camera > Record a Video**.
2. Focus on the object.
- 3 Press or **@**, or select **Options > Record**.

4. Select **Stop** to stop recording.
5. Select **Options > Play** to play the video clip.
6. Press **[↶]** to go back to preview mode.

Changing to camera mode

1. Select **Menu > Camera > Record a Video**.
2. Select **Options** while video mode is activated.
3. Select **Camera Mode**.

*In video camera mode, press an hold **@** to change to camera mode.*

For details on taking a picture, see page 60.

Viewing the recorded video clip

1. Select **Menu > Camera > Record a Video**.
2. Select **Options > Video Album**.
3. Select the video clip > **Play**.

After recording video clips

To	Press
Send using a multimedia message	Options > Send > as Multimedia Message
Send using Online Locker	Options > Send > Send to Online Locker
Send using Bluetooth	Options > Send > via Bluetooth

To	Press
View recorded video clip	Options > Play
Delete	Options > Delete
Rename	Options > Rename
View video clip information	Options > Properties

During recording a video clip

To	Press
Receive an incoming call	[CALL] or
Pause and record continuously	Pause
Stop recording	Stop

Photo album

The **My Pictures** menu allows you to view all the pictures you have taken, save selected images to your phone or an external memory card and share the photos with others. JPEG format is supported, and other formats are saved in the **Picture** folder.

note: To access **Picture**, select **Menu** > **My Stuff** > **Picture** in Advanced mode.

Viewing the saved pictures

1. Select **Menu** > **Camera** > **My Pictures**.
2. Select a picture > **View**.

Setting as wallpaper in the display

1. Select **Menu** > **Camera** > **My Pictures**.
2. Select a picture.
3. Select **Options** > **Set as** > **Wallpaper**.

Setting as caller identification

1. Select **Menu** > **Camera** > **My Pictures**.
2. Select a picture.
3. Select **Options** > **Set as** > **Caller ID**.

Sending pictures using multimedia message

1. Select **Menu** > **Camera** > **My Pictures**.
2. Select a picture.
3. Select **Options** > **Send** > **as Multimedia Message**.

For details on creating multimedia messages, see page 49.

Deleting multiple pictures

1. Select **Menu** > **Camera** > **My Pictures**.
2. Select **Options** > **Multiple Select**.
3. Select **Select** to select more than one picture.
4. Select **Deselect** to cancel your selection.
5. Select **Options** > **Delete**.

Viewing a file information

1. Select **Menu** > **Camera** > **My Pictures**.
2. Select a picture.
3. Select **Options** > **Properties**.

Video album

The **My Videos** menu allows you to play, send, save and delete videos. The supported formats are MP4, WMA, 3GP and 3G2.

Playing the saved video clips

1. Select **Menu > Camera > My Videos**.
2. Select a video clip.
3. Select **Play**.

Using video player controls

To	Press
Pause / Play	
Rewind	Hold ▲
Fast forward	Hold ▼
Control volume	Side key up or down or ◀/▶

Sending a video clip using multimedia message

1. Select **Menu > Camera > My Videos**.
2. Select a video clip.
3. Select **Options > Send > as Multimedia Message**.

For details on creating multimedia messages, see page 49.

Sending a video clip using Online Locker

1. Select **Menu > Camera > My Videos**.
2. Select a video clip.
3. Select **Options > Send > Send to Online Locker**.

Sending a video clip via Bluetooth

1. Select **Menu > Camera > My Videos**.
2. Select a video clip.
3. Select **Options > Send > via Bluetooth**.

Deleting multiple video clips

1. Select **Menu > Camera > My Videos**.
2. Select **Options > Multiple Select**.
3. Select **Select** to select more than one picture.
4. Select **Deselect** to cancel your selection.
5. Select **Options > Delete**.

4

Useful Features

- Calendar
- Alarm clock
- Pill Reminder
- User Guide
- Calculator
- Tip calculator
- Stop watch
- Say a command
- Readout Mode

Magnifier

Magnifier helps you to see any small thing and to take a picture.

Zoom in and out

1. Select **Menu > Tools > Magnifier**.
2. Press up/down or left/right. It ranges from 1 x to 4 x.

Increasing or decreasing the brightness

1. Press L/R. It ranges from -2 to +2.

Taking a picture

1. Press OK or Camera.

Turning the light on/off


1. Press left soft key. If you want to turn off, press again.

Calendar

Calendar helps you manage your schedule including your time for calls or special days. You can set a reminder on any given date with this function.

Viewing calendar

1. Select **Menu > Tools > Calendar**.

note: You can also access Calendar by pressing  in standby mode. **View by Month** is default setting for Calendar.

In the monthly view

To	Press
Move to another day	◀ for Previous ▶ for Next
Move to another week	▲ for Previous ▼ for Next
View other month	Side key down for Previous Side key up for Next

Creating a new event

1. Select a day and select **Options > New Event**.
2. Select **Appointment, Task** or **Note**.

Breeze Mode - Useful features

3. Input the event and select **Save**.

note: You can create events for dates from 01/01/2000 to 12/31/2099.

Alarm clock

Setting an alarm

1. Select **Menu > Tools > Alarm Clock**.
2. Select **Create New** for new alarm.
3. Set the **Cycle, Time, Alarm Sound, Alarm Alert Type, Alarm Volume, Snooze** and **Power Alarm**.
4. Select **Save**.

Editing existing alarms

1. Select **Menu > Tools > Alarm Clock**.
2. Select an alarm > **Edit** or select **Options** to access following: **Create New**, **Delete** and **Delete All**.

Setting a simple alarm

1. Select **Menu > Tools > Alarm Clock**.
2. Select **Simple Alarm** and select **Edit**.
3. Set the alarm schedule and select **Save**.

Pill Reminder

Pill Reminder sets your schedule to take pill, and alarm pop-up will appear on the setting time. You can select to accept the reminder or have the reminder pop-up again after 15 minutes.

Creating a new pill reminder

1. Select **Menu > Tools > Pill Reminder > Create New**.
2. Select **Take** and then, take a picture.

For details on taking picture, see page 60.

3. Input **Name** and **Dosage**.
4. Select **Time > Create**.
5. Set a desired time > **OK > Back**.
6. Select **Period > Begins**.
7. Set the beginning time of the dosage on the calendar.
8. Select **Reminders** and set the reminding period.
9. Select **Daily**, **Every 2 days**, or **Monthly**. When selecting **Every 2 days**, you can set desired days for period.
10. Enter more information.
11. Select **Save**.

Checking Today's Pill Reminder

1. Select **Menu > Tools > Pill Reminder > Options > Today's Pill**.
2. Scroll and select a pill reminder item to check the detail.

Editing a pill reminder

1. Select **Menu > Tools > Pill Reminder**.
2. Select a pill reminder > **Edit**.
3. Edit **Name**, **Dosage**, **Time**, **Period** or **More Information**.

4. Select **Save**.

Deleting reminders

1. Select **Menu > Tools > Pill Reminder**.
2. Select a pill reminder > **Options > Delete** or **Delete All**.

User Guide

User Guide helps users to learn how to use the phone easily in itself.

1. Select **Menu > Tools > User Guide**.
2. Select a function to check in detail.

Calculator

1. Select **Menu > Tools > Calculator**.
2. Input the numbers with the numeric keypad and enter the operators with **◀/▶/▲/▼/** to calculate.
3. Press **[* .]** to use the decimal point.
4. Press **[↵]** to cancel your input.
5. Select **Reset** to reset.

Tip calculator

1. Select **Menu > Tools > Tip Calculator**.
2. Enter the values for all the variable fields (**Bill(\$), Tip(%), Split**) and then the corresponding calculation fields (**Tip(\$), Total(\$), You Pay**) are updated automatically.
3. Press **[* .]** to use the decimal point.
4. Select **Reset** to reset.

Stop watch

1. Select **Menu > Tools > Stop Watch**.
 2. Select **Start** to start.
 3. Select **Stop** to stop.
 4. Select **Continue** to restart or select **Reset** to clear.
 5. To check split times, select **Mode > Split Time Mode**.
 6. To check lap times, select **Mode > Lap Time Mode**.
- note:** In Basic Mode, when you exit the stop watch menu, or become idle, the stop watch will continue running and will be indicated by a clock icon. You can

- 01
- 02
- 03
- 04
- 05
- 06
- 01
- 02
- 03
- 04
- 05
- 06
- 07

access the stop watch by re-entering the stop watch menu.

Say a Command

Your phone is equipped with an Advanced Voice Command (AVC) feature. This feature allows you to make calls or use the phone functions by simply using your voice. All you have to do is talk into the phone and then the phone will recognize your voice and complete tasks by itself.

1. In standby mode, simply press **[D]** to access **Say a Command**.

Or select **Menu > xxxx Services > Say a Command**.

2. At the voice prompt, say a command and simply follow the voice prompts.

The following list shows available voice commands.

Call <Name or #>: Voice dials a name or phone number in your address book. If multiple numbers exist, say the name and the number type (i.e. mobile, home, work, or other).

Send Message <Name or #>:

Display the Create Message screen with the contact you have spoken.

Contact <Name>: Retrieve and display the contact information stored in the address book.

Go To <Menu>: Open an application on your phone.

Check <Item>: Check the status information of your phone (Status, Voicemail, Messages, Missed Calls, Time, Signal strength, Battery, My Phone Number, and Volume).

Breeze Mode - Useful features

Readout Mode

Readout Mode makes your phone a useful companion when you can't or don't have the ability to read the phone screen.

When Readout mode is activated, the phone will announce key alert, navigation, and content information verbally.

- Provides verbal alerts of the following:
 - Missed Call
 - New Message received
 - Low Battery
 - Message Sent and other confirmation notifications

01

02

03

04

05

06

01

02

03

04

05

06

07

- Announces highlighted items in Menus as user navigates the phone
- Announces numbers as they are pressed on keypad
- Reads out text message content

To turn on Readout Mode

1. Select **Menu** > **Settings** > **Voice Command Setting**.
2. Select **Audio Modes** > **Readout mode**.

5

Connectivity

Bluetooth
Using Mobile Web






Bluetooth

Bluetooth technology enables free wireless connections between electronic devices within a maximum range of 33 feet (10 meters). Bluetooth connections can be used to send images, text, business cards, calendar events, or to connect to computers using Bluetooth technology.

Your mobile phone supports:

- Connect to PC to access internet.
- Connect to Hands-Free.
- Connect to electronic devices.

Bluetooth Icon

Icon	Descriptions
	Bluetooth is active.
	Bluetooth hands-free headset is connected.
	Bluetooth A2DP headset is connected.
	Bluetooth hands-free + A2DP headset is connected.
	Data transfer via Bluetooth.

note: Advance Audio Distribution Profile (A2DP) is a Bluetooth profile (mode) which is designed to transfer a uni-directional 2-channel stereo audio stream to a headset or car audio.

Activating Bluetooth

1. Select **Menu > Settings > Bluetooth > Activation.**
2. Select **On** or **Off.**

Adding a device

1. Select **Menu > Settings > Bluetooth > My Devices.**
2. Select **Search for Devices > Search.**
3. The available device will be displayed.
4. Select a device and select **Select.**
5. Enter password and press.

note: The target device must be in discoverable mode.

Sending files

1. After pairing with the target device, select **Options > Send Files.**
2. Select a file(s) from **Audio, Picture, Video** or **Other Files.**

note: If the target device requests pairing, the file is sent after pairing is completed. Locked files or ones containing original rights may not be transmitted.

Receiving files

The receipt should be approved before receiving a file(s). The received file(s) will be saved in the corresponding folder.

- 01
- 02
- 03
- 04
- 05
- 06
- 01
- 02
- 03
- 04
- 05
- 06
- 07

For example, if you received contacts information from the sender, it will be saved in your phone's memory.

1. After pairing with the target device, select **Options** > **Take Files**.
2. The available files will be displayed.
3. Select a file and select **Options** > **Copy**.

Setting the visibility

1. Select **Menu** > **Settings** > **Bluetooth** > **Visibility**.
2. Select **Show** or **Hide**.
3. Select **OK**.

Naming the phone

1. Select **Menu** > **Settings** > **Bluetooth** > **My Bluetooth Info**.
2. Select **Name** > **Edit**.
3. Enter the new name and select **Save**.

note: The device name is what identifies your phone to Bluetooth network.

Using Mobile Web

Accessing Mobile Web

1. Press in standby mode or select **Menu** > **xxxx Services** > **Mobile Web**.

note: It will access the Mobile Web homepage.

6

Settings

Phone status
Sounds and alerts
Display settings
Voice Command Setting

Phone status

This menu allows you to view **My Phone Number**, **Signal Strength** and **Battery Remaining**.

1. Select **Menu > Settings > Phone Status**.

Sounds & alerts

The **Sounds & Alerts** menu allows you to specify a ringer type, message alert sound, key volume and so on.

1. Select **Menu > Settings > Sounds & Alerts**.

2. Select **Normal, Vibrate and Ring, Vibrate Only, Silent, Flight mode** or **Noise Suppression**.

3. Select **Edit** to specify a selected option.

4. Select an option for each field and select **Save**. To reset to factory defaults, select **Reset**.

note: You can specify the options only when **Normal** or **Vibrate and Ring** profiles are highlighted.

Display settings

Setting the font size

1. Select **Menu > Settings > Font Size**.
2. Select **Medium, Large** or **Very Large**.
3. Select **Select**.

Setting the wallpaper

1. Select **Menu > Settings > Wallpaper**.
2. Select **Images** or **Camera** and select a desired image.
3. Select **Select**.

Voice command setting

1. Select **Menu > Settings > Voice Command Setting**.
2. Select **Confirmation, Adaptation, Audio Modes, Speakerphone** or **About** and select **Select**.
3. Select an option > **Select**.
4. To improve the recognition accuracy, select **Adaptation > Adapt Voice > Start**.

note: You can check the details for each setting option by selecting **Help** on the option setting screen.

01

02

03

04

05

06

01

02

03

04

05

06

07

1

Calls and address book with Advanced Mode

- Making, receiving and ending a call
- Call settings
- Checking all calls
- Speed dialing
- Using address book
- Using your headset
- Service and fixed dialing number
- Caller identification

Advanced Mode offers additional features and functionality associated with making calls and using address book.

Making, receiving and ending a call

Making a call

1. Enter the area code and phone number.
2. Press **CALL**.

Answering a call

1. Press **CALL** or select **Accept**.

Ending a call

1. Press **END**.

Once the call is completed, a call summary is displayed.

Rejecting a call

Press **END** or select **Ignore**.

Making a call using the call list

Your phone logs up to 20 dialed, received and missed call numbers.

1. Press **CALL** to display the recent calls list.
2. Select **All Calls**, **Missed Calls**, **Received Calls**, **Dialed Calls** or **Call Ranking** by pressing **◀/▶**.

3. Select a number.

4. Press **CALL** to dial the selected number.

note: To redial the last number, press and hold **CALL** in standby mode.

Making a call during a call

1. Enter the phone number or select **Options** > **View Contacts**.
2. Press **CALL** to dial the second call. The first call is automatically put on hold.

Switching between two calls

1. Select **Options** > **Swap**.

Making an international call

1. Press and hold **☎** key for the international prefix until the '+', character appears.
2. Type the country code, area code, and phone number.
3. Press **CALL** in standby mode.

Making an emergency call

1. You can make emergency calls even if your phone does not have a SIM card.
2. Press Emergency Number, or select **SOS** if your phone does not have a SIM card.
3. Press **CALL**.

01

02

03

04

05

06

01

02

03

04

05

06

07

Replying to a missed call

1. Press **CALL** to display the calls list.
2. Select **Missed Calls** by pressing ◀/▶.
3. Select a number to call by pressing ▲/▼.
4. Press **CALL**.

Answering a second callⁿ

1. Press **CALL**. The first call is automatically put on hold.
2. Press **END ON/OFF** to end the second call. The call on hold is automatically reconnected.

note: For answering a second call, you should activate **Call Waiting** in advance. (Select **Menu** > **Settings** > **Call** > **Call Waiting** > **Activate** in Advanced mode.)

Putting a call on hold and returningⁿ

Putting a call on hold

1. Select **Options** > **Hold** or press **CALL**.

Returning to a held call

1. Select **Options** > **Unhold** or press **CALL** again.

Multi-party callsⁿ

You can talk with more than one person or have a conference call.

Making a multi-party call

1. Call the first participant.
2. Call the second participant. The first call is automatically put on hold.
3. Select **Options** > **Join**.

Having a private conversation with one participant

1. Select **Options** > **Split**.
2. Select the participant > **Select**.

Removing one participant from a multi-party call

1. Select **Options** > **End**.

2. Select the number associated with the call you wish to end or **End All** to end all calls.

Searching for a number in address book during a call

1. Select **Options** > **View Contacts**.
2. Select a number > **CALL**.

Searching for a name or group in address book

Enter the first letters of the name for Name Search. The entries are displayed starting with the first entry matching your input.

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03

04

05

06

01

02

03

04

05

06

07

Finding a name manually in address book

1. Press ▲/▼.

Viewing the details of highlighted entry in address book

1. Select **Select**.

For details on address book, see page 97.

Reading a message during a call

1. Select **Options** > **View Message**.
2. Select a conversation > **Open**.
3. Select a message > **View**.

Sending a message during a call

1. Select **Options** > **Send Message**.

For details on creating a text message, see page 106.

Mobile Webⁿ

1. Select **Options** > **Mobile Web**.

Viewing the calendar during a call

1. Select **Options** > **View Calendar**.

Making a note during a call

1. Select **Options** > **Notepad**.

Voice recording

1. Select **Options** > **Voice Recording**.

Call settings

Answering with any key press

1. Select **Menu** > **Settings** > **Call** > **Answer Mode**.
2. Select **Press any key**.

note: You can answer with any key except **END CALL** and **Ignore**.

Setting auto redialⁿ

1. Select **Menu** > **Settings** > **Call** > **Auto Redial**.
2. Select **On** or **Off**.

Checking all calls

You can view information about all calls simply by pressing **CALL**. For more options for all, missed, received, dialed calls, and call ranking, select an entry and **Options**.

Viewing missed calls

1. Select **Menu** > **My Stuff** > **Tools**.

01

02

03

04

05

06

01

02

03

04

05

06

07

2. Select **Recent Calls > Missed Calls**.

Viewing received calls

1. Select **Menu > My Stuff > Tools**.
2. Select **Recent Calls > Received Calls**.

Viewing dialed calls

1. Select **Menu > My Stuff > Tools**.
2. Select **Recent Calls > Dialed Calls**.

Viewing call rankings

1. Select **Menu > My Stuff > Tools**.

2. Select **Recent Calls > Call Ranking**.

Deleting call logs

1. Select **Menu > My Stuff > Tools**.
2. Select **Recent Calls > Delete Call Logs**.
3. Select **All Calls, Missed Calls, Received Calls, or Dialed Calls**.

note: If no logs exist, the message "No Call Exist" appears.

Viewing call time

1. Select **Menu > My Stuff > Tools**.

2. Select **Recent Calls > Call Time**.

3. **Last Call, Received Calls, Dialed Calls, and Total Calls** are displayed.

Resetting all call times

1. Select **Menu > My Stuff > Tools**.
2. Select **Recent Calls > Call Time**.
3. Select **Reset > Yes**.

note: The default password is '1234'.

Viewing data transmitted information

1. Select **Menu > My Stuff > Tools**.
2. Select **Recent Calls > Packet Counter**.

- **Current Info:** You can view transmitted data in the current session, in Kilobytes. **Sent, Received** and **Total** information are also available.
- **Last Info:** You can view **Sent, Received, Total** and **Duration** transmitted in previous sessions, in Kilobytes.

- **Total Info:** You can view all **Sent, Received, Total** and **Duration** transmitted data in Kilobytes.
- **Clear Logs:** The default password is '1234'.

Speed dialing

You can dial quickly using speed dialing. Up to 8 phone numbers can be programmed using numbers 2 to 9.

 : Voice mail

 : Prefix for international call

Setting speed dial

1. Select **Menu > Address Book > Settings**.
2. Select **Speed Dial** > an empty entry and select **Add**.
3. Select a contact > **Select**.

Changing speed dial contact

1. Select **Menu > Address Book > Settings**.
2. Select **Speed Dial** and select a number.
3. Select **Change**.
4. Select a contact > **Select > Yes**.

Removing from speed dial

1. Select **Menu > Address Book > Settings**.
2. Select **Speed Dial** and select a number.
3. Select **Remove > Yes**.

Using address book

You can save names, phone numbers, and information on the SIM or phone. Number of entries can depend on the capacity of the SIM card.

Adding a contact

1. Select **Menu > Address Book > Contacts > Options > Add New Contact**.

2. Select **Phone** or **SIM**.
3. Input the fields.
4. Select **Save**.

Viewing the contact list

1. Press **▼** or select **Menu > Address Book > Contacts**.

Searching for a phone number

1. Press **▼** or select **Menu > Address Book > Contacts**.
2. Input the first letter or two of the person's name and scroll with **▲/▼**.
3. Select **Select** to view detail information.

01

02

03

04

05

06

01

02

03

04


05

06

07

- To update information, select **Options** > **Edit Contact**.

Calling from contact list

- Press ▼ or select **Menu** > **Address Book** > **Contacts**.
- Select a contact to call.
- Press .

Sending a contact

- Press ▼ or select **Menu** > **Address Book** > **Contacts**.
- Select a contact > **Options** > **Send Contact Info** > **All Contact Info, Personal Contact**, or **Business Contact**.

- You can send the contact using **Message** or **Bluetooth**.

Deleting a contact

- Press ▼ or select **Menu** > **Address Book** > **Contacts**.
- Select a contact > **Options** > **Delete** > **Yes**.

Making groups^s

- Press ▼, ► or select **Menu** > **Address Book** > **Groups**.
- Select **Options** > **Add New Group**.
- Select **Phone** or **SIM**.
For a 2G SIM card, this step is not needed.

- Enter a group name and select **Save**.

Editing groups

- Press ▼, ► or select **Menu** > **Address Book** > **Groups**.
- Select a group and select **Options** > **Add New Group**, **Rename Group**, or **Delete Group**.

Adding to favorites or groups

- Press ▼ or select **Menu** > **Address Book** > **Contacts**.
- Select a contact and select **Options** > **Add to**.
- Select **Favorites** or **Groups**.

Using your headset

You can make or receive a call using your headset. When you connect your headset to the jack, the button on the headset works as follows.

note: You must use the headset designed for this device. It is an optional item. Not all headset will have a button.

While in standby mode

- Press the button **once** to list recent calls.
- Press the button **twice** to redial the last call.

01

02

03

04

05

06

01

02

03

04

05

06

07


While the phone is closed

1. Press the button **once** to receive an incoming call.
2. Press and hold the button **once** to end the call.

Service and fixed dialing number

Calling your service numbers[†]

You can see the service number to reach the service provider.

1. Select **Menu > Address Book > Service Numbers**.
2. Select a number > press .

Viewing fixed dialing number list

Fixed dialing number is a service that limits your access to specific numbers in the address book list recorded on the SIM. Input the PIN2 to set up or cancel this service.

1. Select **Menu > Address Book > Fixed Dial Numbers**.

note: PIN2 must be correctly entered within 3 attempts. If you input incorrect code three times in a row, the PIN2 code will be blocked. If the PIN2 code is blocked, please contact your service provider. Your PIN2 code is supplied with the SIM card.

Caller identification

Caller identification[†]

1. Select **Menu > Settings > Call > Display My Number**.
2. Select **Network Default, Show** or **Hide > Select**.

01

02

03

04

05

06

01

02

03

04

05

06

07

2

Messaging with Advanced Mode

- Receiving messages
- Creating and sending text messages
- Creating multimedia messages
- Message templates
- Message settings
- Managing messaging memory
- Email
- Using instant messenger

When your phone is set to Advanced Mode, you can use additional features and functionality associated with messaging.

Receiving messages

Viewing a new message

1. Select **View**.

Reading a message from the conversation

1. Select **Menu > Messaging > Conversations**.
2. Select a conversation > **Open**.

Saving the contact information from a received message

1. Select a received message > **View**.
2. Select **Options > Save**.
3. Select **New Contact** or **Update Contact**.

Saving the object in a received multimedia message

1. Open a multimedia message.
2. Select an object.
3. Select **Options > Use > Save**.

It will be saved in one of the categories in the **My Stuff** folder. *For details on Photo album, see page 126.*

Listening to voice messages

1. Press and hold **[1.∞]** or select **Menu > Messaging > Voice Mail**.

It will automatically call the voice mail center.

Launching URL in the message

1. Select **Menu > Messaging > Conversations**.

Advanced Mode - Messaging

2. Select a message which includes an URL.
3. Select the URL and select **Options > Use**.

Saving connection settings using Configuration message

1. Select **Menu > Messaging > Conversations**.
2. Select an over the air (OTA) message.
3. Select **Options > Install**.

01

02

03

04

05

06

01

02

03

04

05

06

07

Creating and sending text messages

Sending a text message

1. Press ▲ or select **Menu > Messaging > Create Message**.
2. Enter a message.
3. To save the message as a draft, select **Options > Save to Drafts**.
4. Select **Send to** and select a contact to send the message and select **Select**.
5. Select **Send**.

6. To view the sent message, select **Menu > Messaging > Conversations**.

note: All successfully sent messages will be saved in **Conversations** while the messages failed to be sent will be saved in **Outbox**.

Finding all sent messages

1. Select **Menu > Messaging > Conversations**.

Replying to a message

1. Select a message > **Reply** or select a message > **Options > Reply**.

Creating multimedia messages

You can create and send multimedia messages. Capacity is 100KB, 300KB or 600KB. An error message will alert you once the message exceeds the capacity.

Adding a saved picture to the message

1. Press ▲ or select **Menu > Messaging > Create Message**.
2. Enter a message.

Advanced Mode - Messaging

3. Select **Insert > Picture > Picture > Camera**.
4. Scroll to the saved picture and select **Select**.
5. To preview the message, select **Options > Preview > Current** or **Whole Message**.
6. To edit the text message, press ▲/▼ to select the text box and edit your message.
7. Select **Send to** and select a contact to send the message and select **Select**.
8. Select **Send**.

Adding a new picture to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Take New Picture**.
4. Focus on the object.
5. Press or Ⓜ.
6. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**. To go back to text editor page, select **Stop**.

7. To edit the text message, press ▲/▼ to select the text box and edit your message.
8. Select **Send to** > a contact > **Select** > **Send**.

For details on taking a picture, see page 122.

Adding a saved video to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Video** > **Video**.
4. Scroll to the saved video clip and select **Select**.

5. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**. To go back to text editor page, select **Stop**.
6. To edit the text message, press ▲/▼ to select the text box and edit your message.
7. Select **Send to** > a contact > **Select** > **Send**.

Adding a new video to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.

Advanced Mode - Messaging

3. Select **Insert** > **Record New Video**.
4. Focus on the object.
5. Press or Ⓜ, or select **Options** > **Record**.
6. To stop and save the recording, select **Stop**.
7. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**. To go back to text editor page, select **Stop**.
8. To edit the text message, press ▲/▼ to select the text box and edit your message.

9. Select **Send to** > a contact > **Select** > **Send**.

For details on recording a video, see page 124.

Adding a recorded voice memo to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Sound** > **Audio** > **My Voice**.
4. Scroll to the saved audio clip and select **Select**.

5. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**.
6. Select **Pause** to stop listening the voice memo or select **Stop** to go back to text editor page.
7. To edit the text message, press ▲/▼ to select the text box and edit your message.
8. Select **Send to** > a contact > **Select** > **Send**.

Adding a new voice memo to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.
2. Enter a message.
3. Select **Insert** > **Record New Sound**.
4. Select **Record** to record the sound.
5. To stop and save the recording, select **Stop**.
6. To preview the message, select **Options** > **Preview** > **Current** or **Whole Message**.

Advanced Mode - Messaging

7. Select **Pause** to stop listening the voice memo or select **Stop** to go back to text editor page.
8. To edit the text message, press ▲/▼ to select the text box and edit your message.
9. Select **Send to** > a contact > **Select** > **Send**.

For details on Recording a voice memo, see page 150.

Adding other files to the message

1. Press ▲ or select **Menu** > **Messaging** > **Create Message**.

01

02

03

04

05

06

01

02

03

04

05

06

07

2. Enter a message.
3. Select **Insert > Other Files > Other Files**.
4. Select a file and select **Select**.
5. To preview the message, select **Options > Preview > Current** or **Whole Message**.
To go back to text editor page, select **Stop**.
6. To edit the text message, press ▲/▼ to select the text box and edit your message.
7. Select **Send to > a contact > Select > Send**.

Message templates

When you often use the same phrases, you can save the message under message templates.

Adding the message as a template

1. Select **Menu > Messaging > Templates**.
2. Select **Options > Add New**.
3. Write the frequently used message > **Options > Save**.

Sending a message with template

1. Select **Menu > Messaging > Templates**.
2. Select a message to send.
3. Select **Send** to add more messages.
4. Select **Send to > a contact > Select > Send**.

note: You can add a template while entering a message. Write a message > **Insert > Templates**. Select a template to add.

Message settings

Setting text message

1. Select **Menu > Messaging > Settings**.
2. Select **Text Message**.
3. Enter new **Center Address**.
4. Enter new **Email Gateway**.
5. Select **Save**.

Setting profiles for multimedia message

1. Select **Menu > Messaging > Settings**.
2. Select **Multimedia Message > MMS Profiles**.

3. Select a profile and select **Select**.

Setting sending options for multimedia message

1. Select **Menu > Messaging > Settings**.
2. Select **Multimedia Message > Sending Settings**.
3. Select **Creation Mode** or **Max Message Size > Select**.
4. Select a desired option > **Select**.

Setting receiving options for multimedia message

1. Select **Menu > Messaging > Settings**.
2. Select **Multimedia Message > Receiving Settings > Automatic Download**.
3. Select **On** or **Off > Select**.

Setting receiving options for voice message

1. Select **Menu > Messaging > Settings**.
2. Select **Voice Mail**.
3. Enter the number of the voice mail center > **Save**.

note: This number may be pre-configured by the service provider upon activation.

Setting default edit mode

1. Select **Menu > Messaging > Settings**.
2. Select **Default Edit Mode**.
3. Select **Alphabet** or **Predictive** and select **Select**.

Setting auto delete old message

When message memory capacity (Max. 200 messages) is full, the oldest message will be deleted automatically.

Advanced Mode - Messaging

1. Select **Menu > Messaging > Settings**.
2. Select **Auto Delete Old Message**.
3. Select **On** or **Off > Select**.

Managing messaging memory

Up to 200 messages can be stored in the phone memory, additional messages will be saved to the SIM card. When the message box is full, the messages full icon will appear. All messages share memory.

01

02

03

04

05

06

01

02

03

04

05

06

07

Icon	Descriptions
	Text message is full (SIM and phone messages).

Moving a message to SIM

1. Select **Menu** > **Messaging** > **Conversations**.
2. Select a message > **Options** > **Move to SIM**.

Deleting a message in the inbox

1. Select a message > **Options** > **Delete** > **Yes**.

Viewing memory space information

1. Select **Menu** > **Messaging** > **Used Space**.
2. Press ◀/▶ to view **SIM** and **Phone** memory.

Email

You can receive emails from your service provider.

Receiving an email

1. Press ◀ or select **Menu** > **Messaging** > **Mobile Email**.
2. Select an email.
3. Select **Select**.

Using instant messenger

Use Instant Messenger (IM) to send and receive short, simple messages that are delivered immediately.

Advanced Mode - Messaging

Starting an instant messenger

1. Select **Menu** > **IM**.
2. Select an IM application > **Select**.
3. Enter screen name and password > **Sign In**.

Viewing the conversation log

You can view the log of your conversations in the Instant Messenger Saved Conversations.

01

02

03

04

05

06

01

02

03

04

05

06

07

3

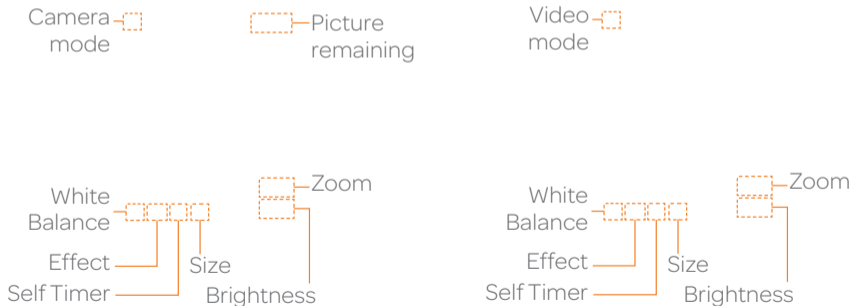
Multimedia with Advanced Mode

- Camera
- Photo album
- Video album
- Audio album
- Music player
- Music player settings
- Media player
- Other files
- Managing memory
- Playing games
- AppCenter

In Advanced Mode, you can use the full features of multimedia that P2050 offers.

Camera

You can take pictures and record movies using the built-in camera. The photos and video clips can be saved and sent via multimedia messages, Online Locker, or Bluetooth.



note: When you set the photo size to 1280 x 1024, the zoom function is not available.

Setting camera settings




















1. Press **@** in standby mode or select **Menu > My Stuff > Tools > Camera**.
2. Select **Options > Settings** to change settings prior to taking a picture.

Camera options

Icon	Name	Descriptions
	White Balance	Auto (), Day Light (), Tungsten (), Fluorescent ()

Icon	Name	Descriptions
	Effect	Normal (), Sepia (), Negative (), B&W ()
	Self Timer	Off (), 5 secs (), 10 secs ()
	Size	1280x1024 (), 1024x768 (), 640x480 (), 320x240 (), 240x320 ()
	Advanced	Picture Quality, Save Location, Shutter Sound, Timer Sound

Video camera options

Icon	Name	Descriptions
	White Balance	Auto () , Day Light () , Tungsten () , Fluorescent ()
	Effect	Normal () , Sepia () , Negative () , B&W ()
	Self Timer	Off () , 5 secs () , 10 secs ()
	Size	176x144(MMS) () , 176x144 () , 320x240 ()
	Advanced	Video Quality, Sound Recording, Save Location, Timer Sound

Zoom in and out

1. Press ▲/▼.
It ranges from 1 x to 4 x.

Increasing or decreasing the brightness

1. Press ◀/▶.
It ranges from -2 to +2.

Taking a picture

1. Press @ in standby mode or select **Menu > My Stuff > Tools > Camera**.
2. Focus on the object.
3. Press or @, or select **Options > Capture**.

note: Your photo will be saved automatically in **My Stuff > Picture > Camera**.

Changing to video camera mode

1. Press @ in standby mode or select **Menu > My Stuff > Tools > Camera**.
2. Select **Options** while camera mode is activated.
3. Select **Video Camera Mode**.
In camera mode, press and hold @ to change to video camera mode.
4. Focus on the object.

Advanced Mode - Multimedia

5. Press or @, or select **Options > Record**.
6. Select **Stop** to stop recording.
note: Your video will be saved automatically in **My Stuff > Video**.

Viewing the taken picture

1. Press @ in standby mode or select **Menu > My Stuff > Tools > Camera**.
2. Select **Options > Photo Album**.
3. Select a picture > **View**.

01

02

03

04

05

06

01

02

03

04

05

06

07

After taking pictures

To	Press
Send using a multimedia message	Options > Send > as Multimedia Message
Send using Online Locker	Options > Send > Send to Online Locker
Send using Bluetooth	Options > Send > via Bluetooth
Set as wallpaper	Options > Set as > Wallpaper
Set as Caller ID	Options > Set as > Caller ID
Delete	Options > Delete
Rename	Options > Rename
View photo information	Options > Properties

Recording a video

1. Select **Menu > My Stuff > Tools > Video Camera**.
2. Focus on the object.
3. Press **or** **@**, or select **Options > Record**.
4. Select **Stop** to stop recording.
5. Select **Options > Play** to play the video clip.
6. Press **↩** to go back to preview mode.

Changing to camera mode

1. Select **Menu > My Stuff > Tools > Video Camera**.
2. Select **Options** while video mode is activated.

3. Select **Camera Mode**.

*In video camera mode, press an hold **@** to change to camera mode.*

For details on taking a picture, see page 122.

Viewing the recorded video clip

1. Select **Menu > My Stuff > Tools > Video Camera**.
2. Select **Options > Video Album**.
3. Select the video clip > **Play**.

Advanced Mode - Multimedia

After recording video clips

To	Press
Send using a multimedia message	Options > Send > as Multimedia Message
Send using Online Locker	Options > Send > Send to Online Locker
Send using Bluetooth	Options > Send > via Bluetooth
View recorded video clip	Options > Play
Delete	Options > Delete
Rename	Options > Rename
View video clip information	Options > Properties

01

02

03

04

05

06

01

02

03

04

05

06

07

During recording a video clip


To	Press
Receive an incoming call	 or
Pause and record continuously	Pause
Stop recording	Stop

Photo album

The **Picture** menu allows you to shop graphic using the WAP browser. You can download desired images and graphics and save them to your phone. You can also view all the pictures you have taken, save selected images to your phone or an external

memory card, and share the photos with others. JPEG format is supported, and other formats are saved in the **Picture** folder.

note: To access **Picture**, select **Menu > My Stuff > Picture**.

Viewing the saved pictures

1. Select **Menu > My Stuff > Picture > Camera**.
2. Select a picture.
3. Select **View**.

Setting as wallpaper in the display

1. Select **Menu > My Stuff > Picture > Camera**.

2. Select a picture.
3. Select **Options > Set as > Wallpaper**.

Setting as caller identification

1. Select **Menu > My Stuff > Picture > Camera**.
2. Select a picture.
3. Select **Options > Set as > Caller ID**.

Sending pictures using multimedia message

1. Select **Menu > My Stuff > Picture > Camera**.
2. Select a picture.

Advanced Mode - Multimedia

3. Select **Options > Send > as Multimedia Message**.

For details on creating multimedia messages, see page 107.

Deleting multiple pictures

1. Select **Menu > My Stuff > Picture > Camera**.
2. Select **Options > Multiple Select**.
3. Select **Select** to select more than one picture.
4. Select **Deselect** to cancel your selection.
5. Select **Options > Delete**.

Viewing a file information

1. Select **Menu > My Stuff > Picture > Camera**.
2. Select a picture.
3. Select **Options > Properties**.

Video album

The **Video** menu allows you to shop video clips using the WAP browser. You can download desired video clips and play with the built-in video player. You can also send, save, and delete videos. The supported formats are MP4, WMA, 3GP and 3G2.

Playing the saved video clips

1. Select **Menu > My Stuff > Video**.
2. Select a video clip.
3. Select **Play**.

Using video player controls

To Press	
Pause / Play	
Rewind	Hold ▲
Fast forward	Hold ▼
Control volume	Side key up or down or ◀/▶

Sending a video clip using multimedia message

1. Select **Menu > My Stuff > Video**.
2. Select a video clip.
3. Select **Options > Send > as Multimedia Message**.

For details on creating multimedia messages, see page 107.

Sending a video clip using Online Locker

1. Select **Menu > My Stuff > Video**.
2. Select a video clip.

Advanced Mode - Multimedia

3. Select **Options > Send > Send to Online Locker**.

Sending a video clip via Bluetooth

1. Select **Menu > My Stuff > Video**.
2. Select a video clip.
3. Select **Options > Send > via Bluetooth**.

Deleting multiple video clips

1. Select **Menu > My Stuff > Video**.
2. Select **Options > Multiple Select**.

01

02

03

04

05

06

01

02

03

04

05

06

07

3. Select **Select** to select more than one video clip file.
4. Select **Deselect** to cancel your selection.
5. Select **Options** > **Delete**.

Audio album

The **Audio** menu allows you to shop tones and answer tones using the WAP browser. You can download desired audio files and play with the built-in audio player. You can also send, save, and delete audio files. The supported file formats are MIDI, i-Melody, MP3, AMR, WAV, AAC, AAC+, WMA.

Listening to the recorded sound

1. Select **Menu** > **My Stuff** > **Audio** > **My Voice**.
2. Select a recorded sound.
3. Select **Play**.

Using audio player controls

	To	Press
Pause / Play		
Stop	Stop	
Rewind	Hold	◀
Fast forward	Hold	▶
Control volume	Side key up or down or ▲/▼	

Setting as a ring tone

1. Select **Menu** > **My Stuff** > **Audio**.
2. Select a sound.
3. Select **Options** > **Set as Ring Tone**.

note: The maximum ringtone file size is 300KB.

Moving or copying multiple sound to External Memory

1. Select **Menu** > **My Stuff** > **Audio**.
2. Select a sound file.
3. Select **Options** > **Multiple Select**.
4. Select **Select** to select more than one audio file.

Advanced Mode - Multimedia




5. Select **Deselect** to cancel your selection.
6. Select **Options** > **Copy to External Memory** or **Move to External Memory**. The selected sound will be copied or moved to the **Audio** folder in external memory card.

Sending sound file using multimedia message

1. Select **Menu** > **My Stuff** > **Audio**.
2. Select a sound file.
3. Select **Options** > **Send** > **as Multimedia Message**.

Music player

The Music Player is an application that can play MP3 and audio files. The supported file formats are MIDI, i-Melody, MP3, AMR, WAV, AAC, AAC+, WMA.

Icon	Descriptions
	Music is playing.
	Music is paused.
	Music is stopped.

note: A microSD card must be inserted to transfer music to your phone.

Adding music from Windows Media Player™

1. Connect the USB cable to the device and the computer.
2. Select **Music Player** > **Select**.
3. Open the Sync tab in Windows Media Player™ in your computer.
4. Select the music from the list and drag and drop to your phone.






note: Windows Media Player™ 11 and Windows XP version is required.

Playing music








1. Select **Menu** > **xxxx Music** > **Music Player**.

2. Select a category (**All Music**, **Playlists**, **Albums**, **Artists**, **Genres**) > **Select**.
3. Select **All** > **Play** to play all songs in the **All Music**.
4. Select **Options** > **Stop** to stop playing.

note: Music will pause when you receive an incoming call and Music will resume when the call ends.

Icon	Descriptions
	Volume level 7
	Pause
	Play
	Rewind with long press
	Fast Forward with long press

Advanced Mode - Multimedia

Icon	Descriptions
	Previous track with short press
	Next track with short press
	Repeat all tracks
	Repeat single track
	Repeat off
	Shuffle On: the current list of songs are randomly shuffled for playback
	Shuffle Off: songs are played in order and not shuffled

Making a playlist

1. Select **Menu** > **xxxx Music** > **Music Player**.
2. Select **Playlists** > **New Playlist**.

3. Input Playlist Name and select **Save**.
4. Select **All Music, Albums, Artists** or **Genres**.
5. Select a music file(s) and select **Select** to add to the playlist.
6. Select **Done**.

Using a playlist

1. To add tracks to a playlist, select **Menu** > **xxxx Music** > **Music Player** > **Playlists**.
2. Select a playlist to add music and select **Options** > **Add Tracks**.

3. Select **All Music, Albums, Artists** or **Genres**.
4. Select a music file(s) > **Select** > **Done**.
5. To remove tracks from the playlist, select **Options** > **Remove Tracks** > a music file(s) > **Select** > **Remove**.
6. To rename the playlist, select **Options** > **Rename Playlist** > input new Playlist Name and select **Save**.
7. To delete the playlist, select **Options** > **Delete** > **Yes**.

Listening music with Bluetooth headset

1. While music is playing in the standby mode, select **Menu** > **xxxx Music** > **Music Player**.
2. Select **Now Playing** > **Options** > **Transfer to B/T Headset**.

Viewing a music file information

1. While music is playing in the player mode, select **Options** > **Properties**.
2. Use ▲/▼ to view **Track Number, Title, Artist, Album, Genre, Duration, Filename, File Size, Location, Format,**

- **Advanced Mode - Multimedia Bit Rate, Created, License and Sharing.**

Setting as ring tone

1. Select **Menu** > **xxxx Music** > **Music Player**.
2. Select a category (**All Music, Playlists, Albums, Artists, Genres**) > **Select**.
3. Select a file.
4. Select **Options** > **Set as Ring Tone**.


note: You cannot set the music file while it is playing. If a music file is larger than 300KB, the file will be deactivated for setting ring tone.

Deleting music

1. Select **Menu** > **xxxx Music** > **Music Player**.
2. Select a category (**All Music**, **Playlists**, **Albums**, **Artists**, **Genres**) > **Select**.
3. Select a file.
4. Select **Options** > **Delete**.

note: If the music file is playing, you cannot delete it.

Shopping music

1. Select **Menu** > **xxxx Music** > **Shop Music**.
2. To return to the previous page, press .

Listening the radio

1. Select **Menu** > **xxxx Music** > **xxxx Radio**.

Using music identification

1. Select **Menu** > **xxxx Music** > **Shazam**.
3. Hold the phone close to music. Your phone will analyze the music and display the artist, title, and album.

note: For the cost plan, contact your nearest service provider.

Music player settings

Shuffling music

1. Select **Menu** > **xxxx Music** > **Music Player**.
2. Select **Settings** > **Shuffle**.
3. Select **Shuffle On** or **Shuffle Off** > **Select**.

Repeating music

1. Select **Menu** > **xxxx Music** > **Music Player**.
2. Select **Settings** > **Repeat**.
3. Select **Repeat All Tracks**, **Repeat Single Track** or **Repeat Off**.
4. Select **Select**.

Setting equalizer

1. Select **Menu** > **xxxx Music** > **Music Player**.
2. Select **Settings** > **Equalizer**.
3. Select a category > **Select**.

Auto Full Screen

1. Select **Menu** > **xxxx Music** > **Music Player**.
2. Select **Settings** > **Auto Full Screen**.
3. Select **On** or **Off** and select **Select**.

Removing

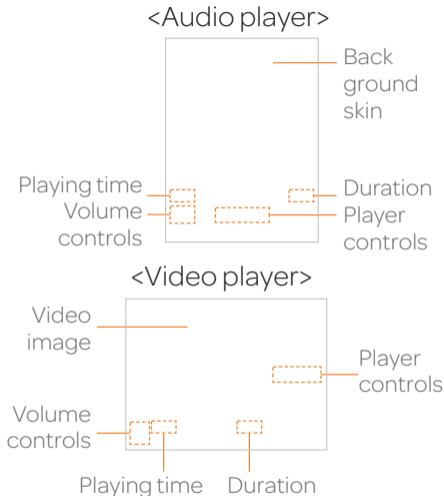
1. Select **Menu** > **xxxx Music** > **Music Player**.

2. Select **Settings > Remove**.
3. Select **License Data File** or **All Music Contents**.
4. Select **Select > Yes**.

Media player

You can play video clips with the media player.

note: Do not use this feature illegally. Sound and video can be protected by copyright. It is illegal to copy such sound / video tracks for the purpose of selling or distribution. Pantech does not in any way support the unauthorized use of content on your phone media player.



Icon	Descriptions
	Volume level 7
	Pause
	Play
	Rewind with long press
	Fast Forward with long press
	Previous track with short press
	Next track with short press
	Repeat on
	Repeat off

Playing the video clip

1. Select **Menu > My Stuff > Tools > Media Player > Video**.
2. Select a file > **Play**.

Advanced Mode - Multimedia

3. Before playing a video clip, select **Options** to access the followings: **Send, Rename, Multiple Select, Delete, Delete All, Copy to External Memory, Move to External Memory, Properties** or **View by Grid**.

Playing the audio file

1. Select **Menu > My Stuff > Tools > Media Player > Audio**.
2. Select a file or select a folder, then a file.
3. Select **Play**.

For details on audio player controls, see page 130.

Setting Mobile Video

1. Select **Menu > My Stuff > Tools > Media Player > MV Settings**.
2. Select a profile or select **Options > Create**.

Other files

You can manage unsupported file formats that are saved on your phone. It also lists files received via Bluetooth from other devices.

Viewing the list of the files

1. Select **Menu > My Stuff > Other Files**.

Managing memory

Viewing memory status

1. Select **Menu > My Stuff > Used Space**.
2. Press ◀/▶ to view Phone or External memory information.

Playing games

You can download games to play with. It is easy to download and you can preview them beforehand. You will only be able to view games that are available on your mobile.

Shop games

1. Select **Menu > My Stuff > Games > Shop Games**.
2. Play the demo and select **BUY** to download the complete game.

AppCenter

AppCenter

1. Select **Menu > AppCenter**.

Shopping Applications

1. Select **Menu > My Stuff > Applications > Shop Applications**.

Shopping Tones

1. Select **Menu > My Stuff > Audio > Shop Tones**.
2. Select **Menu > My Stuff > Audio > Answer Tones > Shop Answer Tones, Manage Answer Tones, or About Answer Tones**.

01

02

03

04

05

06

01

02

03

04

05

06

07

Shopping Games

1. Select **Menu** > **My Stuff** > **Games** > **Shop Games**.

Shopping Wallpapers

1. Select **Menu** > **My Stuff** > **Picture** > **Shop Wallpapers**.

Shopping Videos

1. Select **Menu** > **My Stuff** > **Video** > **Shop Videos**.

Shopping Music

1. Select **Menu** > **xxxx Music** > **Shop Music**.

4

Useful Features with Advanced Mode

- Calendar
- Alarm clock
- Pill Reminder
- User Guide
- Calculator
- Tip calculator
- Stop watch
- Notepad and voice memo
- World time
- Converter
- Timer
- Say a command
- Readout Mode


In Advanced Mode, you can utilize all useful features that P2050 provides.

Calendar

Calendar helps you manage your schedule including your time for calls or special days. You can set a reminder on any given date with this function.

Viewing calendar

1. Select **Menu > My Stuff > Tools > Calendar**.

note: You can also access Calendar by pressing  in standby mode. **View by Month** is default setting for Calendar.

In the monthly view

To	Press
Move to another day	◀ for Previous ▶ for Next
Move to another week	▲ for Previous ▼ for Next
View other month	Side key down for Previous Side key up for Next

Creating a new event

1. Select a day > **Options > New Event**.

2. Select **Appointment, Task or Note**.
3. Input the event and select **Save**.

note: You can create events for dates from 01/01/2000 to 12/31/2099.

Alarm clock

Setting an alarm

1. Select **Menu > My Stuff > Tools > Alarm Clock**.
2. Select **Create New** for new alarm.
3. Set the **Cycle, Time, Alarm Sound, Alarm Alert Type, Alarm Volume, Snooze** and **Power Alarm**.

Advanced Mode - Useful features

4. Select **Save**.

Editing existing alarms

1. Select **Menu > My Stuff > Tools > Alarm Clock**.
2. Select an alarm > **Edit** or select **Options** to access following: **Create New, Delete** and **Delete All**.

Setting a simple alarm

1. Select **Menu > My Stuff > Tools > Alarm Clock**.
2. Select **Simple Alarm** and select **Edit**.
3. Set the alarm schedule and select **Save**.

Pill Reminder

Pill Reminder sets your schedule to take pill, and alarm pop-up will appear on the setting time.

You can select to accept the reminder or have the reminder pop-up again after 15 minutes.

Creating a new pill reminder

1. Select **Menu > My Stuff > Tools > Pill Reminder > Create New.**
2. Select **Take** and then, take a picture.

For details on taking picture, see page 122.

3. Input **Name** and **Dosage.**
4. Select **Time > Create.**
5. Set a desired time > **OK > Back.**
6. Select **Period > Begins.**
7. Set the beginning time of the dosage on the calendar.
8. Select **Reminders** and set the reminding period.
9. Select **Daily, Every 2 days,** or **Monthly.** When selecting **Every 2 days,** you can set desired days for period.
10. Enter more information.
11. Select **Save.**

Checking Today's Pill Reminder

1. Select **Menu > My Stuff > Tools > Pill Reminder > Options > Today's Pill.**
2. Scroll and select a pill reminder item to check the detail.

Editing a pill reminder

1. Select **Menu > My Stuff > Tools > Pill Reminder.**
2. Select a pill reminder > **Edit.**
3. Edit **Name, Dosage, Time, Period** or **More Information.**

Advanced Mode - Useful features

4. Select **Save.**

Deleting reminders



1. Select **Menu > My Stuff > Tools > Pill Reminder.**
2. Select a pill reminder > **Options > Delete** or **Delete All.**

User Guide


User Guide helps users to learn how to use the phone easily in itself.

1. Select **Menu > My Stuff > Tools > User Guide.**
2. Select a function to check in detail.

Calculator

1. Select **Menu** > **My Stuff** > **Tools** > **Calculator**.
2. Input the numbers with the numeric keypad and enter the operators with ◀/▶/▲/▼ to calculate.
3. Press  to use the decimal point.
4. Press  to cancel your input.
5. Select **Reset** to reset.

Tip calculator

1. Select **Menu** > **My Stuff** > **Tools** > **Tip Calculator**.
2. Enter the values for all the variable fields (**Bill(\$)**, **Tip(%)**, **Split**) and then the corresponding calculation fields (**Tip(\$)**, **Total(\$)**, **You Pay**) are updated automatically.
3. Press  to use the decimal point.
4. Select **Reset** to reset.

Stop watch

1. Select **Menu** > **My Stuff** > **Tools** > **Stop Watch**.
2. Select **Start** to start.
3. Select **Stop** to stop.
4. Select **Continue** to restart or select **Reset** to clear.
5. To check split times, select **Mode** > **Split Time Mode**.
6. To check lap times, select **Mode** > **Lap Time Mode**.

note: In Basic Mode, when you exit the stop watch menu, or become idle, the stop watch will continue running and

will be indicated by a clock icon. You can access the stop watch by re-entering the stop watch menu.

Notepad and voice memo

Using a notepad

1. Select **Menu** > **My Stuff** > **Tools** > **Notepad**.
2. Select **Create New**.
3. Enter new memo and select **Save**.
4. To edit a saved memo, select the memo and select **Edit**.

01

02

03

04

05

06

01

02

03

04

05

06

07

5. To place a note on wallpaper, select a note and select **Options > Place on Wallpaper**.

6. If you want to remove the note from wallpaper, select the note and select **Options > Remove from Wallpaper**.

Recording a voice memo

1. Select **Menu > My Stuff > Tools > Voice Memo**.
2. Select **New Record**.
3. Select **Record**.
4. Select **Stop** to stop recording. It is saved in **My**

Voice automatically.

5. Select **Play** to listen the voice memo.

Listening the recorded sound

1. Select **Menu > My Stuff**.
2. Select **Audio > My Voice** or select **Tools > Voice Memo**.
3. Select a recorded memo and select **Play**.

To	Press
Play / Pause	
Stop	Stop
Rewind	◀

To	Press
Fast forward	▶
Control volume	Side key up or down or ▲/▼

World time

1. Select **Menu > My Stuff > Tools > World Time**.
2. Select a city > **Select**.
3. Press ◀/▶ to select a different city and select **Save**.

Advanced Mode - Useful features

note: If you want to set dual time in idle screen, select **Menu > Settings > Display > Home Screen > Clock Type > Internal Clocks > ClockType5 > Save**.

Converter

1. Select **Menu > My Stuff > Tools > Converter**.
2. Press ◀/▶ to select **Length, Area, Volume, Weight** or **Temperature**.
3. Select a current unit and enter the value.
4. The result will be displayed in all other units.

Timer

1. Select **Menu > My Stuff > Tools > Timer**.
2. Select **Set** and input the hours, minutes and seconds.
3. Select **OK**.
4. Select **Start**.
5. Select **Restart** to restart.

Say a Command

Your phone is equipped with an Advanced Voice Command (AVC) feature. This feature allows you to make calls or use the phone functions by simply using your voice. All you have to do is talk into the phone and then the phone will recognize your voice and complete tasks by itself.

1. In standby mode, simply press **[V]** to access **Say a Command**. Or select **Menu > My Stuff > Tools > Say a Command**.

2. At the voice prompt, say a command and simply follow the voice prompts.

The following list shows available voice commands.

Call <Name or #>: Voice dials a name or phone number in your address book. If multiple numbers exist, say the name and the number type (i.e. mobile, home, work, or other).

Send Message <Name or #>: Display the Create Message screen with the contact you have spoken.

Advanced Mode - Useful features

Contact <Name>: Retrieve and display the contact information stored in the address book.

Go To <Menu>: Open an application on your phone.

Check <Item>: Check the status information of your phone (Status, Voicemail, Messages, Missed Calls, Time, Signal strength, Battery, My Phone Number, and Volume).

01

02

03

04

05

06

01

02

03

04

05

06

07

Readout Mode

Readout Mode makes your phone a useful companion when you can't or don't have the ability to read the phone screen.

When Readout mode is activated, the phone will announce key alert, navigation, and content information verbally.

- Provides verbal alerts of the following:
 - Missed Call
 - New Message received
 - Low Battery
 - Message Sent and other confirmation notifications

- Announces highlighted items in Menus as user navigates the phone
- Announces numbers as they are pressed on keypad
- Reads out text message content

To turn on Readout Mode

1. Select **Menu > Settings > Voice Command Setting.**
2. Select **Audio Modes > Readout mode.**

5

Connectivity with Advanced Mode

Bluetooth
Using Mobile Web
Using the web browser
Setting profiles

When your phone is set to Advanced Mode, you can use functionality associated with connectivity and set the connection profiles.






Bluetooth

Bluetooth technology enables free wireless connections between electronic devices within a maximum range of 33 feet (10 meters). Bluetooth connections can be used to send images, text, business cards, calendar events, or to connect to computers using Bluetooth technology.

Your mobile phone supports:

- Connect to PC to access internet.
- Connect to Hands-Free.
- Connect to electronic devices.

Bluetooth Icon

Icon	Descriptions
	Bluetooth is active.
	Bluetooth hands-free headset is connected.
	Bluetooth A2DP headset is connected.
	Bluetooth hands-free + A2DP headset is connected.
	Data transfer via Bluetooth.

note: Advance Audio Distribution Profile (A2DP) is a Bluetooth profile (mode) which is designed to transfer a uni-directional 2-channel stereo audio stream to a headset or car audio.

Activating Bluetooth

1. Select **Menu** > **Settings** > **Connectivity** > **Bluetooth** > **Activation**.
2. Select **On** or **Off**.

Adding a device

1. Select **Menu** > **Settings** > **Connectivity** > **Bluetooth** > **My Devices**.
2. Select **Search for Device**.

Advanced Mode - Connectivity

3. The available device will be displayed.
4. Select a device > **Select**.
5. Enter password and press.

note: The target device must be in discoverable mode.

Sending files

1. After pairing with the target device, select **Options** > **Send Files**.
2. Select a file(s) from **Audio**, **Picture**, **Video** or **Other Files**.

note: If the target device requests pairing, the file is sent after pairing is completed. Locked files or ones containing original rights may not be transmitted.

Receiving files

The receipt should be approved before receiving a file(s).

The received file(s) will be saved in the corresponding folder.

For example, if you received contacts information from the sender, it will be saved in your phone's memory.

1. After pairing with the target device, select **Options** > **Take Files**.
2. The available files will be displayed.
3. Select a file > **Options** > **Copy**.

Setting the visibility

1. Select **Menu** > **Settings** > **Connectivity** > **Bluetooth** > **Visibility**.
2. Select **Show** or **Hide**.
3. Select **OK**.

Naming the phone

1. Select **Menu** > **Settings** > **Connectivity** > **Bluetooth** > **My Bluetooth Info**.
2. Select **Name** > **Edit**.
3. Enter the new name and select **Save**.

note: The device name is what identifies your phone to Bluetooth network.

Using Mobile Web

Accessing Mobile Web

1. Press in standby mode or select **Menu** > **Mobile Web**.

note: It will access the Mobile Web homepage.

Using the web browser

Accessing browser

1. Select **Menu** > **My Stuff** > **Applications** > **Browser** > **Home**.

note: It will access your service provider's homepage.

Using bookmarks

1. Select **Menu** > **My Stuff** > **Applications** > **Browser** > **Bookmarks**.

Adding bookmarks

1. Select **Menu** > **My Stuff** > **Applications** > **Browser** > **Bookmarks**.
2. Select **New**.
3. Enter a name for new bookmark in Title field and web address in URL field.
4. Select **Save**.

Entering web address

1. Select **Menu > My Stuff > Applications > Browser > Enter Address**.
2. Enter the URL.
3. Select **Go**.

Viewing history

1. Select **Menu > My Stuff > Applications > Browser > History**.

Setting advanced options

1. Select **Menu > My Stuff > Applications > Browser > Manage > Options**.

2. Select **Rendering Mode, Full Screen, Thumbnail, Cache, Cookies** or **Security Warning**.
3. Select an option > **Select**.

Managing private data

1. Select **Menu > My Stuff > Applications > Browser > Manage > Private Data**.
2. To clear the cache, select **Clear Cache > Yes**.
3. To clear the cookies, select **Clear Cookies > Yes**.
4. To clear the history, select **Clear History > Yes**.

Viewing certificates

1. Select **Menu > My Stuff > Applications > Browser > Manage > Security > Certificates**.

Viewing download status

1. Select **Menu > My Stuff > Applications > Browser > Manage > Download Manager**.

Setting profiles

You can view a current connection profile or create new profiles by customizing **Profile Name, Home URL, Connection Type, Proxy Address**, and **Proxy Port**.

Adding profiles

1. Select **Menu > My Stuff > Applications > Browser > Manage > Profiles**.
2. Select **Options > Create**.
3. Enter values or select an option for each field and select **Save**.

Editing profiles

1. Select **Menu > My Stuff > Applications > Browser > Manage > Profiles**.
2. Select a profile > **Options > Edit**.
3. Edit the parameters and select **Save**.

note: The default profile is not editable.

Viewing profiles

1. Select **Menu > My Stuff > Applications > Browser > Manage > Profiles**.
2. Select a profile > **Options > View**.

Deleting profiles

1. Select **Menu > My Stuff > Applications > Browser > Manage > Profiles**.
2. Select a profile > **Options > Delete > Yes**.

note: The default profile cannot be deleted.

6

Settings with Advanced Mode

- Language
- Time and date
- Voice command setting
- Sounds and alerts
- Display settings
- Security
- Updating software
- Reset
- TTY

In Advanced Mode, you can change and customize sounds settings, call handling, display settings, security settings, and other settings associated with your phone.

Language

1. Select **Menu > Settings > Phone > Language**.
2. Select **Screen Text** or **Predictive** and select **Select**.
3. Select a language > **Select**.

Time and date

1. Select **Menu > Settings > Phone > Time & Date**.

2. Select **Auto Update, Time, Time Format, Date** or **Date Format > Select**.

3. Select an option > **Select**.

note: Only when setting Auto Update to Off, you can set Time and Date.

Voice command setting

1. Select **Menu > Settings > Phone > Voice Command Setting**.
2. Select **Confirmation, Adaptation, Audio Modes, Speakerphone** or **About** and select **Select**.
3. Select an option > **Select**.

4. To improve the recognition accuracy, select **Adaptation > Adapt Voice > Start**.

note: You can check the details for each setting option by selecting **Help** on the option setting screen.

Sounds and alerts

The **Profiles** menu allows you to specify a ringer type, message alert sound, key volume and so on.

1. Select **Menu > Settings > Profiles**.
2. Select **Normal, Vibrate and Ring, Vibrate Only, Silent, Flight mode** or **Noise Suppression**.

Advanced Mode - Settings

3. Select **Edit** to specify a selected option.
4. Select an option for each field and select **Save**. To reset to factory defaults, select **Reset**.

note: You can specify the options only when **Normal** or **Vibrate and Ring** profiles are highlighted.

Display settings

Setting the wallpaper

1. Select **Menu > Settings > Display > Home Screen > Wallpaper**.
2. Select **Picture** > a desired image.

3. Select **Select**.

Setting the home screen

1. Select **Menu > Settings > Display > Home Screen**.
2. Select **Clock Type** or **Text**.
3. Select an option or adjust values.
4. Select **Save**.

Setting the menu type

1. Select **Menu > Settings > Display > Menu Type**.
2. Select **Grid** or **List**.
3. Select **Save**.

Setting the color theme

1. Select **Menu > Settings > Display > Color Theme**.
2. Select **Ocean** or **Emerald**.
3. Select **Save**.

Setting font style

1. Select **Menu > Settings > Display > Font Style**.
2. Select a desired font style > **Select**.

Setting the font size

1. Select **Menu > Settings > Display > Font Size**.
2. Select **Small, Medium** or **Large**.

3. Select **Select**.

Setting the brightness

1. Select **Menu > Settings > Display > LCD Brightness**.
2. Adjust brightness level of LCD.
3. Select **Save**.

note: Modifying brightness may affect your battery life.

Setting the backlight timer

1. Select **Menu > Settings > Display > Backlight Timer**.
2. Press LCD or Keypad.
3. Select desired time > **Select**.

note: Modifying backlight timer may affect your battery life.

Security

Locking the phone

1. Select **Menu > Settings > Security > Phone Lock**.
2. Select **Phone Lock > ON > Select**.

note: The default password is '1234'. To change the password, select **Menu > Settings > Security > Phone Lock > Change Password**.

Locking the PIN

The Personal Identification Number (PIN) is the security code that protects the phone or SIM against unauthorized use.

01
02
03
04
05
06
07

1. Select **Menu > Settings > Security > PIN > PIN Lock**.
2. Select **Yes** and enter PIN code.
3. Select **OK**.

note: To change the PIN code, select **Menu > Settings > Security > PIN > Change PIN**.

Changing PIN 2

1. Select **Menu > Settings > Security > Change PIN2**.
2. Enter PIN2 code and select **OK**.

Setting fixed dialing number

1. Select **Menu > Settings > Security > FDN**.

2. Select **On > Select**.
3. Enter PIN2 code and select **OK**.

For details on fixed dialing, see page 100.

Updating software

You can update your software without visiting your nearest dealer.

To update the software

1. Select **Menu > Settings > xxxx Software Update**.
2. Select **Check for Update > Yes**.

note: After downloading the software, the device will ask you whether to update the software now or later. If you choose to update the software now, it will restart the handset. If you postpone updating the software, you can select between **30 mins**, **1 hour** or **4 hours** in the **Options**. After selecting the updating time, you will be sent back to standby mode. If you go to **Software Update** while you are in postponing, select **Continue Update**.

To view the version of software

1. Select **Menu > Settings > Phone Information**.
2. Scroll down to **Software Version**.

Reset

Resetting the phone

1. Select **Menu > Settings > Reset**.
2. Enter password.
3. Select **OK > Master Reset > Yes**.

note: It will reset your phone to its default settings. The default password is '1234'.

Clearing the phone

1. Select **Menu > Settings > Reset**.
2. Enter password.

- 3 Select **OK** > **Master Clear** > **Yes**.

note: It will reset your phone to its default setting and delete all personal data. The default password is '1234'.

Resetting the external memory

1. Select **Menu** > **Settings** > **Reset**.
2. Enter password.
3. Select **OK** > **External Memory Reset** > **Yes**.

TTY

The teletypewriter (TTY) is a telecommunications device that allows people who are deaf or hard of hearing, or who have speech or language disabilities, to communicate via a telephone.

Setting teletypewriter

1. Select **Menu** > **Settings** > **TTY**.
2. Select **Disable**, **TTY Full**, **TTY Talk** or **TTY Hear**.
 - **Disable:** TTY mode is disabled.
 - **TTY Full:** Users who cannot talk and hear, can send and receive text messages.

- **TTY Talk:** Users who can talk but cannot hear, can receive text messages and reply with voice messages.
- **TTY Hear:** Users who can hear but cannot talk, can send text messages and receive voice messages.

note: Make sure to connect a headset to the phone after selecting one of the TTY modes. Then, you can use the TTY function.

7

Appendix

- Alert message
- Troubleshooting checklist
- Safety information
- Safety precautions
- About the battery usage
- FCC Hearing-Aid Compatibility (HAC)
regulations for wireless devices
- FCC regulatory compliance
- Warranty
- Speaker Phone & Noise Canel
- Dynamic Noise Suppression from Audience
earSmart™ technology

Alert message

If you experience any problem while using your mobile phone, please refer to the following checklist. If the problem still persists, contact your dealer or nearest carrier.

When the *“Insert SIM Card”* message appears:

Make sure the SIM card is correctly installed. Check to see if the SIM card is working properly. If it does not work, try to clean the contact points of the card with a dry cloth. If it is out of order, take it to your service provider.

When the *“Messages full”* message appears:

The received or saved messages are full in your phone memory. You need to delete the message to receive or send messages.

When the *“Phone and SIM messages is full. Delete Messages”* message appears:

The received or saved messages are full in your phone and SIM card memory. You need to delete the message to receive or send messages.

When the *“Password”* message appears in Phone locked state:

Enter the phone password. The default password is “1234”. If you cannot remember the password, contact the nearest carrier.

When the *“Enter PIN1”* message appears:

Input PIN1. If you cannot remember it, contact your service provider. You can still receive calls even if your mobile phone becomes locked after entering the incorrect PIN1 on three consecutive attempts.

When the *“No Service”* or *“Network Search”* appears:

If you cannot make/receive a call when you are indoors or undergrounds where the signal strength is poor, move toward a window or go out to an open area. If you still cannot make a connection, contact your service provider.

Troubleshooting checklist

When audio quality is poor:

End a call and try again.

01

02

03

04

05

06

01

02

03


04

05

06

07

When the other party cannot hear you speaking:

Your phone may be set to MUTE. Disable the MUTE function. Or your hand may be covering the microphone located below the  key.

When battery lifetime is shorter than usual:

This may happen when you are in an area with low signal strength. Turn off your phone when it is not in use. Change the battery when battery energy is exhausted.

When your mobile phone does not turn on:

Make sure your battery is charged. Check to see if your phone works while recharging the battery.

When you are unable to send a message:

Either you are not registered to receive an SMS service, or you may be in an area where your network service provider cannot provide such a service.

When you are unable to make a call:

Your phone may be set to “Fixed Dialing Number (FDN)” mode. Cancel the “FDN” mode.

When you are unable to charge the battery:

This may be the result of one of the following three cases.

1. Your charger may be out of order. Contact your nearest dealer.
2. You may be attempting to use the phone in an overly hot/cold temperature. Try changing the charging environment.

3. Your battery may have not been connected to the charger properly. Check the connector.

When you are unable to input data into your Address Book:

Your Address Book memory may be full. Try deleting some entries from your Address Book.

When you are unable to select a certain function:

You may not have subscribed to that function, or your network service provider may be in an area where such service cannot be provided. Contact your local service provider.

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Safety information

The following list shows how to maintain your mobile phone, together with precautions to take.

- Keep your mobile phone and its accessories out of the reach of children and pets.
- Maintain your mobile phone in dry conditions and keep it within normal operating temperatures. Temperatures higher than 55°C (131°F) or lower than -20°C (-4°F) may damage your phone.

- Do not try to dry your phone in a microwave oven. If not, sparks can occur and cause an explosion or fire.
- Do not use or store your mobile phone in dusty, dirty areas.
- Do not attempt to disassemble your mobile phone.
- Do not drop or cause severe impact to your mobile phone.
- Do not use chemical products, cleaning solvents or detergents to clean your mobile phone.
- If your mobile phone does not work properly, contact your dealer immediately.

- Use only authorized batteries, battery chargers and accessories. Any malfunction or damage caused by the use of unauthorized batteries, battery chargers and accessories will void the limited product warranty.
- Ensure that the battery and battery charger do not come in contact with conductive objects.

Safety precautions

Using a mobile phone while driving may be prohibited.

Please check local laws and regulations with regard to the prohibition of mobile phone use while driving, and comply with them.

Use of your phone while you are driving may disturb your concentration and so cause an accident. Always switch your phone off to drive safely.

You should use your phone in an emergency, either use a hands free device built into your car or pull over in a safe place first.

📵 Switch off in restricted areas

Always switch your phone off in areas where mobile phone use is restricted.

📵 Switch off in explosive or dangerous areas

Always switch your phone off in areas with explosive or dangerous materials (such as fuels, fuel stations or areas containing chemical goods) and obey any instructions or signals. Do not remove your mobile phone's battery in such areas.

📵 Switch off in aircraft

Always switch your phone off or

select **Flight Mode** on (select **Menu > Settings > Profiles > Flight Mode** in **Advanced Mode**. In **Breeze Mode**, select **Menu > Settings > Sounds & Alerts > Flight Mode**) when you are in an aircraft. The electromagnetic waves emitted by your phone may affect the electronic navigation equipment in the aircraft.

🏥 Switch off in hospitals and near medical equipment

Always switch your phone off in hospitals, and obey the regulations or rules of the hospital. Switch your phone off

when using medical equipment for private purposes, if possible. Always consult with the medical equipment's manufacturer or an expert regarding phone use near the medical equipment.

🚗 Installing a hands free device in your vehicle

Install vehicle hands free devices away from the steering wheel and airbag expansion area, otherwise injury may result.

⚠ Mobile phones and other electronic devices

Mobile phones emit electromagnetic waves that

may affect nearby electronic devices. When it is switched on, do not place your phone close to delicate electronic equipment.

🔋 About the battery usage

Your phone is powered by a Lithium Ion (Li-Ion) battery. This means that, unlike other forms of battery technology, you can recharge your battery while some charge remains without reducing your phone's autonomy due to the "battery memory effect" inherent in those technologies.

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- Do not use a damaged battery or charger.
- Do not disassemble or open, crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- Do not put your battery into contact with conductive objects.
- Dispose of and recycle used batteries in accordance with local regulations. Do not dispose of batteries by burning; they may explode.
- Do not use an unauthorized charger. Only use the battery for the device for which it is specified.
- Only use the battery with a charging device that has been qualified with the device per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- Replace the battery only with another battery that has been qualified with the device per this standard, IEEE-Std-1725-2006. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Use your battery for the specified purpose only.
- The closer you are to your network's base station, the longer your phone usage time because less battery power is consumed for the connection.
- The battery recharging time varies depending on the remaining battery capacity and the battery and charger type

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- you use.
- Battery life inevitably shortens over time.
- Use an authorized battery and charger only.
- Since overcharging may shorten battery life, remove the phone from its charger once it is fully charged. Unplug the charger, once charging is complete. Leaving the battery in hot or cold places, especially inside a car in summer or winter, may reduce the capacity and life of the battery. Always keep the battery within normal temperatures.

- To prevent injury or burns, ensure that no metal objects come into contact with the + and – terminals of the battery.

FCC Hearing-Aid Compatibility (HAC) regulations for wireless devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids.

The intent of the HAC Act is to ensure reasonable access to

telecommunications services for persons with hearing disabilities. While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate. The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with

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their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

- **M-Ratings:** Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

- **T-Ratings:** Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health

professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This is

synonymous for T ratings. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless phone. “Normal usage” in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced

in Section 20.19 of the FCC Rules. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. See page 81 for instructions to disable these components.

This phone has been tested and rated for use with hearing aids for some of the wireless

technologies that it uses.

However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider about its return and exchange policies and for information on hearing aid compatibility.

FCC Regulatory Compliance

FCC Regulatory Compliance

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. Your mobile device is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF)

signals.

In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for mobile devices.

Those guidelines are consistent with safety standards previously set by both U.S. and international standards bodies: American National Standard Institute (ANSI), National Council of Radiation Protection and Measurements (NCRP), and International Commission on Non-Ionizing Radiation Protection (ICNRP). Those

standards were based on comprehensive and periodic evaluations of the relevant scientific literature. The design of your phone complies with the FCC guidelines and applicable.

Statement according to FCC part 15.105

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This

equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Statement according to FCC part 15.21

Modifications not expressly approved by this company could void the user's authority to

operate the equipment.

RF exposure FCC

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only accessories that contain no metallic components and provide a separation distance of 20mm (0.7 inches) to the body. Use of other accessories may violate FCC RF exposure guidelines and should be avoided.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Health and Safety Information FCC

This EUT has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1992 and had been tested in accordance with the measurement procedures specified in FCC/OET Bulletin 65 Supplement C (2001) and IEEE Std. 1528-2003 Ministry of Health (Canada), Safety Code 6. The standards include a substantial 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*.

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

Warranty

Protect Your Warranty

Read your Warranty carefully, with the special consideration to paragraph seven of the Limited Warranty for your unit.

“Warranty does not apply to... or to any product or part thereof which has suffered through alteration... mishandling, misuse, neglect or accident”.

Many companies are making look alike accessories and in some cases, promoting that their product is equal to or better than the Pantech product. Be careful.

Some of these products may not be compatible to use with your Pantech product and may damage the unit or cause it to malfunction.

If service is required on your unit and it is determined that a non-Pantech accessory has created the problem with your unit, the Warranty will not apply. In addition, if the unit has already suffered irreversible damage by reason of a non-compatible accessory, the Warranty will be voided. To protect your Warranty, use only compatible accessories which cannot damage or

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interfere with the functioning of your Pantech product.

12 Month Limited Warranty

Pantech Wireless, Inc. (the Company) warrants to the original retail purchaser of this Pantech handheld portable cellular telephone, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within the first twelve (12) months period from the date of purchase, such

defect(s) will be repaired or replaced (with new or rebuilt parts) at the Company's option, without charge for parts or labor directly related to the defect(s). The antenna, keypad, display, rechargeable battery and battery charger, if included, are similarly warranted for twelve (12) months from date of purchase. This Warranty extends only to consumers who purchase the product in the United States or Canada and it is not transferable or assignable.

This Warranty does not apply to:

- (a) Product subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- (b) Product whose mechanical serial number or electronic serial number has been removed, altered or defaced.
- (c) Damage from exposure to moisture, humidity, excessive temperatures or extreme environmental conditions;
- (d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- (e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;
- (f) Product damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, blown fuse, theft or improper usage of any electrical source.

The Company disclaims liability for removal or reinstallation of the product, for geographic coverage, for inadequate signal reception by the antenna or for communications range or operation of the cellular system as a whole.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of Warranty coverage (e.g. dated bill of sale), the consumer's return address, daytime phone number and/or fax number and complete description of the problem,

transportation prepaid, to the Company by calling the number listed below or to the place of purchase for repair or replacement processing.

To locate Pantech Authorized Service Center, call: (800) 962-8622 or email HandsetHelp@Pantech.com.

Please have the following information available when you send the phone in for repair:

- A valid original Proof of Purchase
- Return address
- Daytime phone number or fax number

- Model #
- IMEI # (Look for the 15 digit IMEI # behind the battery of the device.)
- Complete description of the problem
- Transportation prepaid

Other Warranty Program

You may have other warranty program with your purchase, such as warranty exchange. If so, please refer to equipment package or the original point of sale.

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN

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WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY MUST BE BROUGHT WITHIN A PERIOD OF 18 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. THE COMPANY SHALL NOT BE LIABLE FOR THE DELAY IN RENDERING SERVICE UNDER THIS WARRANTY OR LOSS OF USE DURING THE TIME THE

PRODUCT IS BEING REPAIRED OR REPLACED.

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states or provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary

from state to state or province to province.

For technical support in the U.S. & Canada, call (800) 962-8622. Or email: HandsetHelp@Pantech.com.

Or visit the web site: www.pantechusa.com

For all other inquiry, write to:

PANTECH WIRELESS, INC.
5607 Glenridge Dr. Suite 500
Atlanta, GA 30342

Speaker Phone & Noise Cancel

- When using the phone in speakerphone mode with noise suppression turned on, it is recommended that you hold the phone in the opened position with the microphone below the keypad facing you. In this position, the higher-performing advanced noise suppression utilizing two microphones (one located below the external display and the LED indicators and the other located below the

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keypad) will be used.

- If you prefer to not hold the phone (e.g. to place it on your desk or in the cup holder of your car) while it is being used in speakerphone mode, the phone should be put in the closed position. Your call will continue and the external microphone (below the external display and the LED indicators) with the lower-performing basic noise suppression will pick up your voice.

Dynamic Noise Suppression from Audience

Your phone is equipped with an advanced voice processing chip that delivers clear mobile calls by suppressing background noise, intermittent sounds (like a siren or nearby conversation), and echoes, allowing you to hear and be heard nearly anywhere.

How Does It Work?

Based on the intelligence of the human hearing system, the

technology:

- Captures, evaluates and distinguishes all the sound signals surrounding your phone, and the person you're speaking with.
- Then isolates the primary voice in conversation and filters out the background noise – so the person you're calling hears only your voice, without disturbing background noise.
- Dynamically equalizes and adjusts voice volume to optimize your calling experience, so you can hear

clearly and don't need to speak louder to overcome surrounding noise.

The noise suppression technology is built-in and already enabled in your new mobile phone. So it's ready to provide unsurpassed voice clarity with every call.

earSmart™ technology



Your phone features earSmart™, an intelligent voice

processor that delivers a clear voice experience, allowing you to hear and be heard™ in nearly

environment.

earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does it Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and

removes background noise – from both ends of a call.

- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.