



PANTECH
LASER™

User Guide

Thank you for choosing the Pantech Laser, our latest touch with QWERTY slide mobile phone.

The Pantech Laser has many features designed to enhance your mobile experience. From its unique, stylish design and full touch with QWERTY keypad, we know you will enjoy the entire Laser experience. This User Guide contains important and useful information that will maximize your familiarity with all that the Pantech Laser has to offer.

Specifications

Design

Touch QWERTY Slider

Displays

- 262k colors AMOLED with 3.1" display
- 480*800 (WVGA) pixels in resolution

Melodies

MP3, AAC, AAC+, eAAC+ and WMA.

Camera

Integrated 3M CMOS Camera

- Resolution up to 2048 x 1536 (3,145,728 pixels)
- Mpeg4 Video recording/playing up to 15f/s(VGA size)
- Self-timer function (5 seconds or 10 seconds)
- Photo album and video album

Dimensions & Weight

- Weight: 115g/4.06oz. (with standard battery)
- Dimensions: 113 x 57.9 x 9.95mm
4.45" x 2.28" x 0.39"

Power Management (Performance)

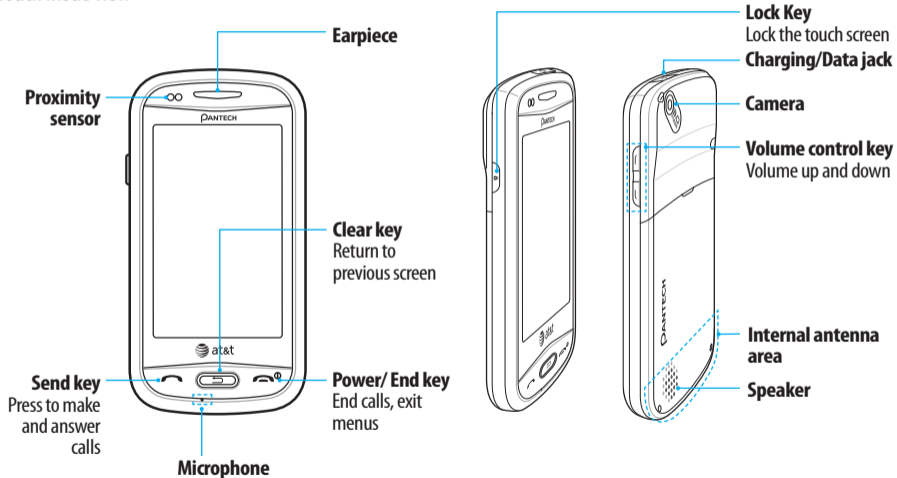
| Battery Type | Capacity | Standby Time | Talk Time |
|-------------------------------|----------|-------------------|-----------------|
| Standard Lithium-Ion (Li-ion) | 1000 mAh | Minimum 250 hours | Minimum 3 hours |

Operating Frequency

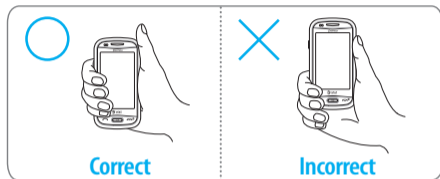
- GSM/GPRS/EDGE 850/900/1800/1900 MHz, UMTS/HSDPA 850/1900 MHz networks in North America, South America, Europe, Africa, and Asia-Pacific where these networks are supported.
- Automatic band switching.






Phone overview

Touch mode view

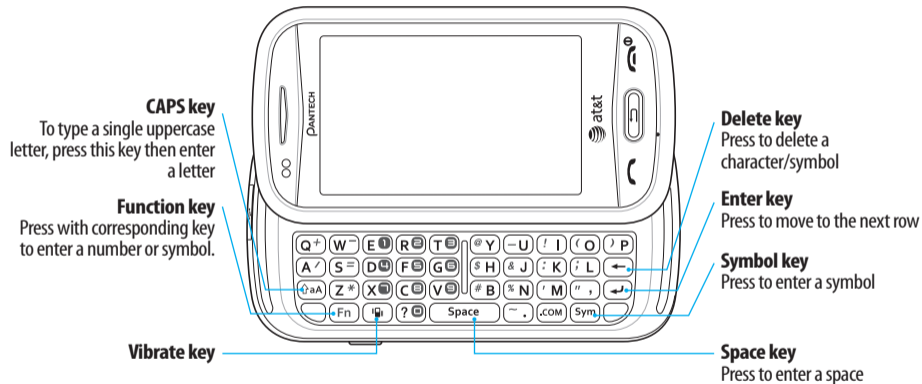


note: Using metal accessories (stickers) on the phone, or holding the device by the internal antenna area while changing a data and talking on the phone might affect the quality of all calls.














| Keys | Functions |
|---|--|
|  | Lock the touch screen. |
|  | Return to the previous menu. |
|  | Access Recent Calls or dial the last number if pressed twice. |
|  | End the current call. Turn on/off the phone if pressed and held. Cancel user input and return to main screen while in Menu mode. |
|  | Adjust the earpiece volume while making a call. Control Ringtone volume, vibrate mode and silent all mode in standby. Mute the ringtone of an incoming call. |






QWERTY mode view



note: To use the QWERTY keypad hold the phone horizontally and slide the screen up.

Your phone has a QWERTY keypad which provides a superior typing experience on a small handheld device for easy and comfortable texting. You can use all of the phone functions with the QWERTY keypad.

| Keys | Functions |
|---|---|
|  | Press to change Abc ABC abc on the text editing screen    (first letter caps/all caps/lowercase) |
|  | Press to enter a special character or number. To enter symbols and numbers continually, press until  displays |
|  | Press to enter a space in text input mode |
|  | Move to the next row in text input mode |
|  | Delete a character to the left of the text cursor in the text editing screen |
|  | Press to type a special character that is not on the keypad |
|  | Quickly connect to the voice mail server if pressed and held while in standby mode. |

| Keys | Functions |
|--|---|
|    | Enter numbers, letters or special characters. Go to the dial screen if pressed in standby mode. |
|  | Enter or exit from vibrate mode if pressed and held in standby mode. |
|  | Enter an international dialing prefix if pressed in standby mode. |

Menu overview



Mobile Email



Messages

- Conversations
- Create Message
- Mobile Email
- IM
- Outbox
- Drafts
- Voice Mail
- Settings
- Templates
- Memory



IM



Mobile Video



AppCenter



AT&T Music



AT&T GPS

AT&T Navigator
Maps
Shop GPS
AT&T FamilyMap
Where
AllSport GPS



Mobile Web



YPmobile



Camera



Address Book

Contacts
Groups
Favorites
My Settings
Fixed Dial Numbers
My Phone Number
Service Numbers



Settings

Profiles
Display
Call
Phone
Touch
Connectivity
Security
AT&T Software Update
Reset
TTY
Phone Information



Facebook



AT&T Social Net



MySpace



Twitter



Games

Shop Games
Block Breaker Deluxe 2
COLLAPSE
PAC-MAN Championship Edition
Tetris
World Series of Poker HL



Applications

Shop Applications
AT&T Radio
Mobile Banking
MobiTV
MobiVJ
My-Cast Weather
PicDial
Star Tweets
Music Player
Browser



My Stuff

Applications
Audio
Games
Picture
Video
Tools
Other Files
Memory



Tools

Recent Calls
Drawing Commander
Camera
Video Camera
Media Player
Alarm Clock
Calendar
Notepad
Sketch Pad
Voice Memo
World Time
Calculator
Tip Calculator
Converter
Stop Watch
Timer



Bluetooth

Settings
Search
My Info



Picture

Shop Wallpapers
Images
Camera
Sketch Pad
Face Tagging



Video

Shop Videos



Calendar



Calculator



Alarm Clock
Simple Alarm

§ SIM dependent ¶ Network dependent

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LASER™

1

Getting Started

- SIM card and battery
- Turning the phone on/off
- Screen unlock
- Language
- Essential display indications
- Screen navigation
- Missed events
- Memory card
- Drawing commander
- Updating software
- PC Suite

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. 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.

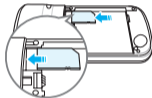
Installing/removing SIM card and battery

1. Remove the battery cover from the unit.

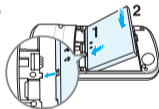
- To remove the battery cover, press and hold the latch, and then slide it to remove.

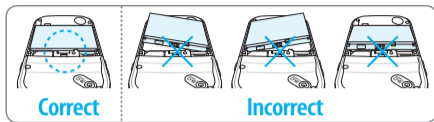


2. Insert the SIM card into the slot. The gold contacts of the SIM card should go against the metal contacts of the phone.

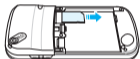
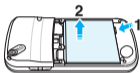


3. Put the connector of the battery into the hole located at the top of the unit and then insert and press the lower side of the battery until you hear the light click. Make sure you align the gold contacts at the battery end with contacts on the phone. If the contacts at the battery are not properly aligned, damage could occur to the phone and the battery.

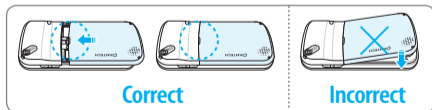




4. To remove the battery, push the bottom of the battery upwards (1) and remove (2) the battery. To remove the SIM card, slide the SIM card in the direction of the arrow as shown.



5. To fit the battery cover, put it on the guide rail and push up.



To charge your battery

1. To charge, open the protective cover on the top right side and connect the charger adapter. Make sure you align the connector as the image indicates. If not, it will damage the charging connector on the phone and will not charge.



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2. Disconnect the charger from the device when charging the battery is complete.



Turning the phone on/off

To turn on

1. Press and hold .

To turn off

1. Press and hold .

Screen unlock

Unlocking the screen

















1. Press any hard keys to turn on the display.
2. Tap and hold  to unlock the screen.













Language









Setting up

1. Tap **Menu**  > **Settings** > **Phone** > **Language**.
2. Select **Screen Text** or **Predictive**.
3. Select the language > **Save**.

Essential display indications

| | |
|---|--|
|  | Signal strength. The greater the number of bars, the stronger the signal. When network is in searching mode  is displayed |
|  | A call is being made. When you are in no service area  is displayed |
|  | Call forwarding ⁿ is active |
|  | Incoming calls set to ring only (Normal) |
|  | Incoming calls set to Outdoor |
|  | Incoming calls set to Vibrate Only |
|  | Incoming calls set to Silent |
|  | Flight Mode is active |
|  | Received one or more text messages |
|  | Received one or more multimedia messages |
|  | Received one or more WAP push messages |
|  | Received one or more configuration messages |
|  | Received one or more voice messages |
|  | A message is being sent |

| | |
|---|--|
|  | A message is being received |
|  | An alarm is set |
|  | Schedule Alarm is set |
|  | Browser is Active, Secured and being downloaded |
|  | 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 |
|  | TTY is active |
| G | A GPRS signal is available. It is displayed when there is an active GPRS session ⁿ |
| E | An EDGE signal is available. It is displayed when there is an active EDGE session ⁿ |
| 3G | A 3G signal is available. It is displayed when there is an active 3G session. ⁿ |

| | |
|---|--|
|  | microSD card is inserted |
|  | 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 new instant messages |
|  | Play, Pause, Stop Status of BGM Playback |

ⁿ Network dependent

Screen navigation

The home screen is your starting point for using the applications on your phone.

You can customize the home screen to display application icons, shortcuts, folders, and widgets according to your preference.

About your home screens

- **Main Screen:** The phone's main home screen.
- **Contents Screen:** Provide operators and users contents menu that you want to register. Max 24 icons can be added.

- **Contacts Screen:** Widget content is stored on the screen as items. Max 20 icons can be added.

<Contents Screen : Left> <Main Screen : Center> <Contacts Screen : Right>



Position indicators

note: You can access 3 different types of home screens by flicking one way. However, the position indicators are always displayed for the corresponding home screen (i.e. Left – Contents, Center – Main, Right – Contacts).

Adding a home screen item

Contents and Contacts screens allow you to assign items to the screen.

1. Tap **+ Add**.
2. Tap a desired menu.
3. Once you have added one or more items to the screen, **>** or **<** is displayed to customize the home screen.



Deleting a home screen item

1. Tap **>** **Delete**.
2. Tap **X** of the item to delete.

note: This action is only applied to the home screen.

Repositioning a home screen item

Once the items are assigned to the home screen, you can reposition the items for your convenience.

1. Tap **>** **Free**.
2. Tap and hold an item until the selected item is dimmed out.
3. Drag to the desired position.
4. Position the item, then release it.



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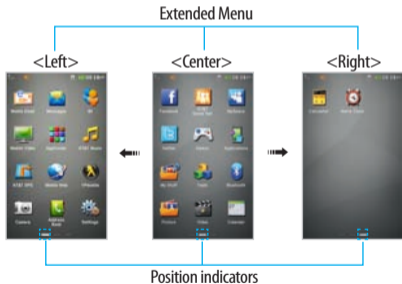
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Navigating through menus

Laser has 3 different menu screens to provide quick access to menus.

1. Tap **Menu** .
2. Flick the screen from left to right or right to left to navigate.
3. Tap the desired menu icons to open.
4. Tap  to return to the previous menu.
5. Press  to exit.



note: The position indicators are always displayed for the corresponding menu screen.

Missed events

When you miss calls, messages, email, instant messages, JAVA or voice messages, icons will pop up and let you know you have missed events.

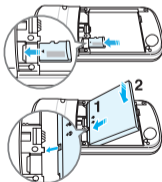
The icon will show at the Missed Events Area, tap each icon to check the details. To make it disappear without checking the events, simply press .




Memory card

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

note: Remove the battery before inserting a microSD card.



Inserting and removing a memory card

1. Turn off the power before inserting a memory card.
2. Open the battery cover and remove the battery.
3. Insert the memory card. The  icon will be displayed.
4. To remove the memory card, pull out the memory card in the opposite direction of the arrow.

note: Supported up to 32 GB.

Using a memory card


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


Resetting a memory card

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

note: The default password is '1234'.




To copy or move picture and video files to the card

1. Tap **Menu**  > **My Stuff** > **Audio, Picture, Video** or **Other Files**.
2. Tap to select the folder or file.
3. Tap **Options** > **Copy** or **Move**.

4. Tap to select the file and tap **OK**.
5. Tap  > **Memory card**.
6. Tap to select the folder.
7. Tap **Copy** or **Move Here**.

note: Some files may not be moved by using this function.

To copy or move a file to the phone


1. Tap **Menu**  > **My Stuff**.
2. Tap  > **Memory Card**.
3. Tap to select the folder or file.
4. Tap **Options** > **Copy** or **Move**.
5. Tap  > **Phone**.
6. Tap to select the folder.
7. Tap **Copy** or **Move Here**.

To delete the file from the card

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

To move the file from the card to the computer

Connect the data cable with mobile and the computer

1. Tap **Menu**  > **Settings** > **Connectivity**.
2. Tap **Select USB Mode**.
3. Select the desired option.

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4. Follow the instructions on your computer screen.

note: If you select Music Player, you can add music files from Windows Media Player™. 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.

Drawing commander

You can set drawing commands to easily access dialing, contacts and menus.

Setting commands

1. Tap [Menu](#)  > [Tools](#) > [Drawing Commander](#).
2. Tap [Settings](#) > [Add](#).
3. Tap to select [Dial](#) or [Shortcuts](#).
 - You can save drawing commands as dialers or shortcuts.
4. If you select [Dial](#), scroll and tap to select the contact. If you select [Shortcuts](#), scroll and tap to select the menu item.
5. Scroll and tap to select the command > [Save](#).

Using commands

1. Tap [Menu](#)  > [Tools](#) > [Drawing Commander](#).
2. Draw the command on the panel.

Updating software

You can update your software without visiting your nearest dealer.

To update the software

1. Tap [Menu](#)  > [Settings](#) > [AT&T Software Update](#).
2. Tap [Check for Update](#) > [Yes](#) to check whether or not you need to update the software.

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 postponing, tap [Continue Update](#).

To view the version of software

1. Tap [Menu](#)  > [Settings](#) > [Phone Information](#).
2. Scroll down to [Software Version](#).

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, Windows 7 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

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

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2

Calls and address book

Making, receiving and ending calls

Using video share

Options during a call

Call settings

Checking all calls

Speed dialing

Using the address book

Address book settings

Caller identification

Using your headset

Service numbers and fixed dialing



LASER™

Making, receiving and ending calls

Making a call

1. Tap .
2. Enter the area code and phone number.
3. Press .

Answering a call

1. Drag the **Accept** bar to right or press .

Ending a call

1. Press .


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

Rejecting a call

1. Drag the **Ignore** bar to right or press .

Making a call using the call list


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

1. Press  to display the **Recent Calls list**.
2. Tap to select **All Calls**, **Missed Calls**, **Received Calls**, **Dialed Calls**, or **Call Ranking**.
3. Select a number.

4. Press  to dial the selected number.

note: To redial the last number in the **Recent Calls** list, press .




Making a call during a call

1. Enter the phone number or look it up in **Address Book**.
2. Press  to dial the second call. The first call is automatically put on hold.

Switching between two calls


1. Tap **Swap**.

Making an international call



1. Tap  and press and hold **0+** for the international prefix until the '+' character appears.
 Press **Q+** for the international prefix until the '+' character appears.
2. Type the country code, area code, and phone number.
3. Press .

Making an emergency call



You can make emergency calls even if your phone does not have a SIM card.

1. Tap **Emergency Number**, or tap **SOS** if your phone does not have a SIM card.
2. Press .

Replying to a missed call

1. Tap  to display the list of missed calls.
2. Select a number to call by scrolling the screen.
3. Press .

Answering a second callⁿ

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

The call on hold is automatically reconnected.

Setting call forwarding optionⁿ

1. Tap **Menu**  > **Settings** > **Call**.
2. Tap **Call Forwarding**.
3. Select the desired option.

Setting call waiting optionⁿ

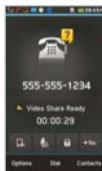
1. Tap **Menu**  > **Settings** > **Call**.
2. Tap **Call Waiting**.
3. Select the desired option.

Using video share

You can share live or recorded video while on a call. You can send or receive video.

note: Video Share is not available in all markets. Both parties must be in a 3G service area—a 3G icon must appear by the signal bars prior to a call being placed, and both parties must remain in the 3G coverage area for the duration of the Video Share.

<Call Mode>



<Video Share Mode>



Making a video share call

1. Enter the area code and phone number > .
 - Wait for the Video Share ready message to appear.
2. Tap **Options** > **Video Share**.
3. Select **Live** or **Recorded**.

note: To use video share in the **Recent Calls**, tap number and .


Turning off the speakerphone

1. Tap **Speaker**  during video share mode.
2. Tap **Mute**  to mute the sound.

Increasing or decreasing the brightness

1. Tap **Set** .
2. Adjust the brightness by scrolling left or right.

Zoom in and out


1. Tap **Set** .
2. Adjust the zoom level by scrolling up and down.
It ranges from 1x to 4x.

Starting the recording

1. Tap **Record** .

Stopping or ending video share

1. Tap **Stop** to end the video share.
2. It will ask you if you would like to stop video share > **Yes** to stop.

note: Even you end video share, the call will not be ended. Press  to end the call. The recorded video will be saved in **My Stuff** > **Video**.

Receiving video share

1. After receiving video share, it will ask you whether to accept or reject the video share > **Yes** to accept and **No** to reject.
2. Tap  to enlarge the video to fill the entire screen.

Options during a call

Microphone off and on

Switching your phone's microphone off

1. Tap **Mute** .

Switching your phone's microphone back on

1. Tap **Mute** .

Talking on speaker

1. Tap **Speaker** .

Putting a call on hold and returning

Putting a call on hold

1. Tap **Hold**  or press .

Returning to a held call

1. Tap **Hold**  or press  again.

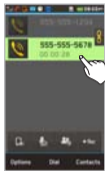
Multi-party callsⁿ

You can talk with more than one person or have 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. Tap the second participant's phone number > **Join**.



Splitting one participant from a multi-party

1. Tap **Conference**.
2. Tap **Members**.
3. Tap

All of the other multi-party call participants can still hear each other.

Removing one participant from a multi-party call

1. Tap **Conference**.
2. Tap **Members**.
3. Tap

The call ends with that participant, but you can continue to talk to the other participants.

Searching for a number in the address book during a call

1. Tap **Contacts**.
2. Select a number by scrolling up or down.

Searching for a name or group in the 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 the address book

1. Scroll the screen up or down.

Viewing the details of the highlighted entry in the address book

1. Tap the contact to view detailed information.

*For details on **address book**, see page 35.*

Voice recording

1. Tap **Record**
2. Tap again to stop recording.

Call settings

Setting auto redial

1. Tap **Menu**  > **Settings** > **Call** > **Auto Redial**.
2. Drag the bar **On** or **Off** > **Save**.

Checking all calls

You can view information about all **Recent Calls**. For more options for all, missed, received and dialed calls, tap **Options**. You can also view the call history simply by pressing .

Viewing missed calls

1. Press  > **Missed Calls** .

note: To view missed calls, tap **Menu**  > **My Stuff** > **Tools** > **Recent Calls** > **Missed Calls**.

Viewing received calls

1. Press  > **Received Calls** .

note: To view received calls, tap **Menu**  > **My Stuff** > **Tools** > **Recent Calls** > **Received Calls**.

Viewing dialed calls

1. Press  > **Dialed Calls** .


note: To view dialed calls, tap **Menu**  > **My Stuff** > **Tools** > **Recent Calls** > **Dialed Calls**.

Viewing call rankings

1. Press  > **Call Ranking** .

note: To view all rankings, tap **Menu**  > **My Stuff** > **Tools** > **Recent Calls** > **Call Ranking**.

Deleting call logs

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

Viewing call time

1. Press  > **Call Time**.
2. You can view **Last Call**, **Received Calls**, **Dialed Calls** and **Total Calls**.

note: To view call time, you can also tap **Menu**  > **My Stuff** > **Tools** > **Recent Calls** > **Call Time**.

Resetting all call times


1. Press  > **Call Time**.

note: To reset all call times, tap **Menu**  > **My Stuff** > **Tools** > **Recent Calls** > **Call Time**.

2. Tap **Reset** > **Yes**.
3. Enter password > **OK**.

note: The default password is '1234'.

Viewing data transmitted information

1. Tap **Menu**  > **Settings** > **Call** > **Packet Counter**.
2. Select **Total**, **Current**, or **Last** transmitted data.
3. Tap **Clear** to reset the information.

note: 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.

Setting speed dial

1. Tap **Contacts**  > **My Settings** > **Speed Dial**.
2. Tap an empty entry.
3. Tap the contact you wish to assign.

Changing speed dial contact

1. Tap **Contacts**  > **My Settings** > **Speed Dial**.
2. Select a number > **Change**.
3. Tap the contact you wish to assign.

Removing from speed dial

1. Tap **Contacts**  > **My Settings** > **Speed Dial**.
2. Select a number > **Remove** > **Yes**.



Using the 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.




Viewing the contact list

1. Tap **Contacts** .

Searching for a phone number

1. Tap **Contacts** .
2. Scroll the screen up or down or tap  and enter the name to find the contact.
3. Tap the contact to view detailed information.
4. To update information, tap **Edit**.

Calling from the contact list

1. Tap **Contacts** .
2. Scroll the screen up or down to select a person or tap  and input the first letter or two of the person's name.
3. Tap .

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Forwarding contact details

1. Tap **Contacts** [☰].
2. Scroll the screen up or down or tap [🔍] and enter the name to find the contact.
3. Tap the contact > **Options** > **Send Contact Info**.
4. You can send the information using **Message** or **Bluetooth**.

Deleting a contact

1. Tap **Contacts** [☰].
2. Scroll the screen up or down or tap [🔍] and enter the name to find the contact.
3. Tap the contact > **Delete** > **Yes**.

Adding a contact

1. Tap **Contacts** [☰] > **Add**.
2. Select **Phone** or **SIM** to add new contact.
3. Tap the desired fields to input information.
4. Tap **Save**.

Making groups

1. Tap **Contacts** [☰] > [▼] > **Groups**.
2. To add new group, tap **Add**.
3. Select **Phone** or **SIM** to add new group.
4. Input the group name and tap **OK**.

5. Select the desired ring tone > **Select** > **Save**.
6. To add members to group, tap **Yes**.
7. Select the members > **OK**.

note: If you selected **SIM** to add a new group, you can not save the ring tone.

Editing groups

1. Tap **Contacts** [☰] > [▼] > **Groups**.
2. To edit group, tap the group > **Edit** > **Edit Group**.
- If there is no one added in the selected group, tap the group > **Edit Group**.
3. To delete group, tap the group > **Delete Group**.

note: To edit group when you select the group saved in the SIM card, you can tap the group > **Edit** > **Rename Group**. If there is no one added in the selected group, tap the group > **Rename**.

Address book settings

Managing my info

1. Tap **Contacts** [☰] > **My Settings** > **My Contact Info**.

Setting the sort order

1. Tap **Contacts** [☰] > **My Settings** > **Display Order**.
2. Select **First Name** or **Last Name** > **Save**.

Viewing contacts information

1. Tap **Contacts** [☰] > **My Settings** > **View Contacts from**.
2. Select **Phone**, **SIM**, or **Phone and SIM** > **Save**.

Saving contacts information

1. Tap **Contacts** [☰] > **My Settings** > **Save Contacts to**.
2. Select **Phone**, **SIM**, or **Always Ask** > **Save**.

Setting up AT&T Address Book

1. Tap **Contacts** [☰] > **My Settings** > **AT&T Address Book**.

note: Your contacts are backed up to your AT&T Address Book, and changes you make are automatically saved.

Setting SIM management

1. Tap **Contacts** [☰] > **My Settings** > **SIM Management**.

Caller identification

Caller identification

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

Using your headset

You can make or receive a call using a headset.

While using the headset, the button on the headset works as follows.

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

While in standby mode

1. Press the button on the headset to view the recent calls list and press the button again to redial the last call.

Service numbers and fixed dialing

Calling your service numbers

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

1. Tap **Contacts** [☰] > **ATT Services**.
2. Tap a number to access the service.

Viewing the fixed dialing list

Fixed dialing 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. Tap **Menu** [☰] > **Address Book** > **Fixed Dial Numbers**.
2. Select a number.

note: PIN2 must be correctly entered within 3 attempts. If you input the 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.





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3

Messaging

- Entering text
- Messaging
- Receiving messages
- Creating and sending text messages
- Creating multimedia messages
- Message templates
- Message settings
- Email
- Using instant messaging

Entering text

Enter text by using the virtual keypad on your touch screen and using the QWERTY keypad.

This chapter explains how to enter text in case you send a new text message, to see detailed information on “Sending a new text message,” see page 42.

Using the virtual keypad on your touch screen



| Number | Function |
|--------|----------------------------------|
| 1 | Makes a change to capitalization |
| 2 | Changes typing option |
| 3 | Inserts a space |
| 4 | Deletes a letter |
| 5 | Changes the text input mode. |

Predictive mode

Predictive mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word. It will display the most commonly used word first. To save a word not listed in phone's dictionary,

1. Tap **abc >** to change the mode to **T9Ab**.
2. [👉] Tap **ABC** to **wxyz** to input text. To enter 'Hello' in the touch keypad, tap **GHI** **DEF** **JKL** **JKL** **MNO**.

Alphabet input mode

Tap the key labeled with the target letter once for the first letter tap it twice for the second letter, and so on.

1. Tap **abc >** to change the mode to **abc**.
2. [👉] Tap **ABC** to **wxyz** to input text. To enter the letter "c", tap **ABC** 3 times. To enter number 2, tap **ABC** 4 times.

note: Tap  to input the capital letter. For example, if you want to input A, tap  > **ABC**.

Numeric mode

You can input numbers in this mode.

1. Tap **abc >** to change the mode to **123**.
2. [] Tap **1** to **9** and **0** to input numbers.

Symbol mode

You can input symbols.

1. Tap **abc >** to view the symbols.
2. Tap a symbol to input it.

Using the QWERTY keypad

Open the phone and rotate counter-clockwise to use the QWERTY keypad.

For details on QWERTY keypad, see page 5.

Messaging


You can send, receive and save text messages and multimedia messages.

Managing memory

Up to 300 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.

| Indication | Description |
|---|---|
|  | Text message is full (SIM and Phone messages) |

Deleting a conversation

1. Tap **Messages > Conversations**.
2. Tap **Delete**.
3. Select **Message** to delete.
4. Tap **OK > Yes**.

Deleting multiple messages

1. Tap **Messages > Conversations**.
2. Select a conversation.
3. Tap **Delete**.
4. Select messages to delete.
5. Tap **OK > Yes**.

Replying to a message

1. Select a message > **Reply**.

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Viewing USIM Card information

1. Tap **Menu**  > **Messages** > **Memory**.
2. Tap  > **USIM**.

Receiving messages

Viewing a new message

When you receive a new message, you can select **View** or **Ignore** option.

1. Drag the icon to read the message.

Reading a message from the conversation

1. Tap **Messages** > **Conversations**.
2. Select a received message and read the message.

Saving the contact information from a received message

1. Select a received message and read the message.
2. Tap **Options** > **Save to Contact**.
3. Select **as New Contact** or **to Existing Contact**.

Saving the object in a received multimedia message

1. Open multimedia message.

2. Tap **Options** > **Use** > **Save**.

It will be saved in one of the categories in the **My Stuff** folder.

For details on photo album, see page 52.

Listening to voice messages

1. Tap  and press and hold **1** or tap **Menu**  > **Messages** > **Voice Mail**.

It will automatically call the voice mail center.

Loading a URL using Push message

1. Tap **Menu**  > **Messages** > **Conversations** > **Open**.
2. Tap **Options** > **Load URL**.

Saving connection settings using configuration message

1. Tap **Menu**  > **Messages** > **Conversations** > **Open**.
2. Tap **Options** > **Install**.

Creating and sending text messages

Sending a new text message

1. Tap **Menu**  > **Messages** > **Create Message**.
2. Enter the message > **OK**.
To save the message as draft, tap **More** > **Save to Drafts**.


3. Tap the recipient field to add one or more recipients and select the contact > **OK**.
4. Tap **Send**.

note: All successfully sent messages will be saved in Conversations.

Creating multimedia messages



You can create and send new multimedia messages. The size limit is 600Kb. An error message will alert you once you exceed the capacity.

Adding a saved picture to a message

1. Tap **Menu**  > **Messages** > **Create Message**.
- To edit the text message, tap the text box.
2. Enter a message > **OK**.
3. Tap **Insert** > **Picture** > **Existing Picture**.
4. Select **Folder** > Select **Picture** > **Select**.
5. To preview the current page, tap **More** > **Preview** > **Current**.

6. To preview the whole message, tap **More** > **Preview** > **Whole Message**. To go back to text editor, tap **Stop**.
- To edit the text message, tap the text box.
7. Tap the recipient field to add one or more recipients and select the contact > **OK**.
8. Tap **Send**.

Adding a new picture to a message

1. Tap **Menu**  > **Messages** > **Create Message**.
- To edit the text message, tap the text box.
2. Enter a message > **OK**.
3. Tap **Insert** > **Picture** > **Take New Picture**.
4. Focus on the object and tap .
5. To preview the current page, tap **More** > **Preview** > **Current**.
6. To preview the whole message, tap **More** > **Preview** > **Whole Message**. To go back to text editor page, tap **Stop**.
- To edit the text message, tap the text box.
7. Tap the recipient field to add one or more recipients, and select the contact > **OK**.
8. Tap **Send**.

For taking a picture, see page 50.

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Adding a saved video to a message

1. Tap **Menu**  > **Messages** > **Create Message**.
- To edit the text message, tap the text box.
2. Enter a message > **OK**.
3. Tap **Insert** > **Video** > **Existing Video**.
4. Tap the desired video clip to insert and tap **Select**.
5. To preview the current page, tap **More** > **Preview** > **Current**.
6. To preview the whole message, tap **More** > **Preview** > **Whole Message**. To go back to text editor page, tap **Stop**.
- To edit the text message, tap the text box.
7. Tap the recipient field to add one or more recipients and select the contact > **OK**.
8. Tap **Send**.

note: If the video clip's resolution is "320x240" or higher, the video clip cannot be added to a message.


Adding a new video to a message

1. Tap **Menu**  > **Messages** > **Create Message**.
- To edit the text message, tap the text box.
2. Enter a message > **OK**.
3. Tap **Insert** > **Video** > **Record New Video**.
4. Focus on the object and tap .

5. To stop recording and save tap .
- To edit the text message, tap the text box.
6. To preview the current page, tap **More** > **Preview** > **Current**.
7. To preview the whole message, tap **More** > **Preview** > **Whole Message**. To go back to text editor page, tap **Stop**.
8. Tap the recipient field to add one or more recipients and select the contact > **OK**.
9. Tap **Send**.




For recording a video, see page 65.

Adding a recorded voice memo to a message

1. Tap **Menu**  > **Messages** > **Create Message**.
- To edit the text message, tap the text box.
2. Enter a message > **OK**.
3. Tap **Insert** > **Sound** > **Existing Sound**.
4. Tap the desired audio clip to insert and tap **Select**.
- To edit the text message, tap the text box.
5. To preview the current page, tap **More** > **Preview** > **Current**.
6. Tap **Pause** to stop listening.
7. To preview the whole message, tap **More** > **Preview** > **Whole Message**. To go back to text editor page, tap **Stop**.

8. Tap the recipient field to add one or more recipients and select the contact > **OK**.
9. Tap **Send**.

Adding a new voice memo to a message

1. Tap **Menu**  > **Messages** > **Create Message**.
2. Enter a message > **OK**.
3. Tap **Insert** > **Sound** > **Record New Sound**.
4. Tap  to record the sound.
5. To stop and save tap .
 - To edit the text message, tap the text box.
6. To preview the current page, tap **More** > **Preview** > **Current**.
7. Tap **Pause** to stop listening.
8. To preview the whole message, tap **More** > **Preview** > **Whole Message**. To go back to text editor page, tap **Stop**.
9. Tap the recipient field to add one or more recipients and select the contact > **OK**.
10. Tap **Send**.

For recording a voice memo, see page 65.

Adding other files to a message

1. Tap **Menu**  > **Messages** > **Create Message**.

2. Enter a message > **OK**.
3. Tap **Insert** > **Others** > **Files**.
4. Tap to select desired file to insert.
5. To edit the text message, tap the text box.
6. To preview the current page, tap **More** > **Preview** > **Current**.
7. To preview the whole message, tap **More** > **Preview** > **Whole Message**. To go back to text editor page, tap **Stop**.
8. Tap the recipient field to add one or more recipients and select the contact > **OK**.
9. Tap **Send**.

Message templates

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

Adding a message as a template

1. Tap **Menu**  > **Messages** > **Templates**.
2. Tap **Add**.
3. Enter the frequently used message > **OK** > **More** > **Save**.

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Sending a message with a template

1. Tap **Menu**  > **Messages** > **Templates**.
2. Select the template to send.
 - To edit the text message, tap the text box.
3. Tap the recipient field to add one or more recipients and select the contact > **OK**.
4. Tap **Send**.

Message settings

Message center settings

1. Tap **Menu**  > **Messages** > **Settings**.
2. Tap **Text Message**.
3. Enter new **Center Address**.
4. Tap **OK** > **Save**.

E-mail gateway settings

1. Tap **Menu**  > **Messages** > **Settings**.
2. Tap **Text Message**.
3. Enter new **Email Gateway** for sending text message by email.
4. Tap **OK** > **Save**.


Setting profiles for multimedia messages

1. Tap **Menu**  > **Messages** > **Settings**.
2. Tap **Multimedia Message** > **MMS Profiles**.
3. Select a profile.
4. To add a profile, tap **Create** > set the options > **Save**.

Sending settings for multimedia messages

1. Tap **Menu**  > **Messages** > **Settings**.
2. Tap **Multimedia Message** > **Sending Settings**.
3. You can set **Validity Period**, **Delivery Time**, **Creation Mode** and **Max Message Size**.
4. Tap **Save**.

Receiving settings for multimedia messages


1. Tap **Menu**  > **Messages** > **Settings**.
2. Tap **Multimedia Message** > **Receiving Settings**.
3. You can set **Automatic Download**.
4. Drag the bar to **On** or **Off**.
5. Tap **Save**.

Receiving settings for voice messages

1. Tap **Menu**  > **Messages** > **Settings**.
2. Tap **Voice Mail**.
3. Enter the number of the voice mail center > **OK** > **Save**.

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

Auto delete message settings

1. Tap **Menu**  > **Messages** > **Settings**.
2. Tap **Auto Delete**.
3. Drag the bar to **On** or **Off**.
4. Tap **Save**.

Email

You can receive emails through your service provider.

Receiving an email

1. Tap **Menu**  > **Messages** > **Mobile Email**.
2. Select an email.
3. Follow the steps to set up your email account.

Using instant messaging

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

Starting an instant messaging

1. Tap **Menu**  > **Messages** > **IM**.
2. Select the IM application > **OK**.
3. Enter ID and password > **Sign In**.

Viewing conversation logs

You can view conversation logs in the Instant Messenger Saved History.

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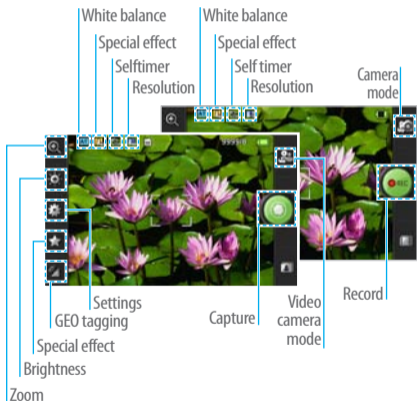
4

Multimedia



- Camera
- Photo album
- Video album
- Audio album
- AT&T Music
- Music Player
- Music player settings
- Media player
- Other files
- Managing memory
- Playing games

Camera








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



Setting camera settings

1. Tap **Menu**  > **Camera**.
2. Tap  to change settings prior to taking a picture.

Camera menu options

| Icons | Name | Description |
|---|----------------|--|
|  | Zoom | 1, 2, 3, 4, 5, 6, 7, 8 |
|  | Brightness | -3, -2, -1, 0, +1, +2, +3 |
|  | Settings | White Balance/ Effect/ Self Timer/ Resolution/ Storage/ Advanced |
|  | Special Effect | Normal/ Smile/ Self/ Wink/ Face Effect/ Panorama |
|  | GEO Tagging | On/Off |
|  | Video Camera | Switch to video camera mode |
|  | Album | View the pictures stored in the device |

note: In the camera mode, the zoom function is not available at the highest(2048x1536) resolution. GEO Tagging will work only outdoors. When GEO Tagging activates, it will search for the GPS for 1 minute and ask whether to proceed or not.

Video camera menu options

| Icons | Name | Description |
|-------|-------------|--|
| | Zoom | 1, 2,3,4,5,6,7,8 (available up to 2xZoom) |
| | Brightness | -3, -2, -1, 0, +1, +2, +3 |
| | Settings | White Balance/ Effect/ Self timer/ Resolution/ Storage/ Advanced |
| | Video Share | Lists current video share lists |
| | Camera | Switch to camera mode |
| | Album | View the videos stored in the device |

Zoom in and out

1. Tap then tap or . It increases or decreases the zoom ratio.

Increasing or decreasing the brightness

1. Tap then tap or . It ranges from -3 to +3.

Taking a picture

1. Tap **Menu** > **Camera**.
2. Focus on the subject and tap .

note: Your photo will be saved automatically to the phone memory.

Changing to video camera mode

1. Tap **Menu** > **Camera**.
2. Tap .
3. Aim at the subject and tap .
4. Tap to stop recording.

note: Your video will be saved automatically to the phone memory.

Viewing a saved picture

1. Tap **Menu** > **Camera**.
2. Tap .
3. Select the picture to view.

Using special effects

Smile effect

1. Tap **Menu** > **Camera**.
2. Tap > **Smile** .
3. Tap and focus on a person's face. When the person smiles, it will capture the person automatically.

Self effect

1. Tap **Menu** > **Camera**.
2. Tap > **Self** .

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3. Aim the camera lens to yourself and press  to take a self portrait.






note: You will hear a beep sound when you try to focus on a person's face. The beep sound will depend on the number of people in the frame. If focused on a person's face, it will beep one time and if there are two people, it will beep twice. The beep sound operates for 3 limited people in the frame.

Wink effect

1. Tap **Menu**  > **Camera**.
2. Tap  > **Wink** .
3. Tap  and focus on a person's face. When the person winks it will capture the person's face automatically after 3 seconds.





Face effect

With this function, you can put visual effects on the face.

1. Tap **Menu**  > **Camera**.
2. Tap  > **Face Effect** .
3. Tap to select the effect and tap .
4. Focus on the person's face, and then tap .

note: The **Face effect** is only supported in 640x480 and 800x480 resolutions.

Panorama effect

1. Tap **Menu**  > **Camera**.
2. Tap  > **Panorama** .
3. Focus on the object or person and tap . After the beep, move the phone to left or right. It will capture 4 consecutive frames.

note: The **Panorama effect** is only supported in 640x480 resolution.

Photo album

You can save photos to your phone or an external memory card and view, send or delete them in the photo album. JPEG format is supported, and other formats are saved in the **Picture** folder.

note: To access the **Picture** folder, tap **Menu**  > **Picture**.

Viewing the saved pictures

1. Tap **Menu**  > **Picture** > **Camera**.
2. Select a picture.

Setting a picture as your wallpaper

1. Tap **Menu**  > **Picture** > **Camera**.
2. Select the picture and tap  > **Set as** > **Wallpaper**.



Setting a picture as caller identification

1. Tap **Menu**  > **Picture** > **Camera**.
2. Select the picture and tap  > **Set as** > **Caller ID**.

Sending pictures via multimedia message

1. Tap **Menu**  > **Picture** > **Camera**.
2. Select the picture and tap  > **Send** > **via Message**.

Deleting multiple pictures

1. Tap **Menu**  > **Picture** > **Camera**.
2. Tap **Delete**.
3. Tap to mark desired files or tap **All** to mark all files.
4. Tap **OK** > **Yes**.
5. To cancel deleting action, tap .

Face Recognition

1. Tap **Menu**  > **Picture** > **Camera**.
2. Select the picture and tap  > **Face Recognition**.
3. Tap **Add tag** and input the name and phone number.
4. Tap **Save**.

note: To view the information, tap **Menu**  > **Picture** > **Face Tagging**.

Viewing file information

1. Tap **Menu**  > **Picture** > **Camera**.
2. Select the picture and tap  > **Properties**.

Video album

You can view, send, save and delete videos. The supported formats are MP4, WMA, 3GP and 3G2.



Playing saved video clips

1. Tap **Menu**  > **Video**.
2. Tap the video clip to play.

Sending a video clip via multimedia message

1. Tap **Menu**  > **Video**.
2. Tap  on the selected clip > **Send** > **via Message**.

Deleting multiple video clips

1. Tap **Menu**  > **Video**.
2. Tap **Delete**.
3. Tap to mark desired files or tap **All** to mark all files.
4. Tap **OK** > **Yes**.
5. To cancel deleting action, tap .


Audio album

You can play, send, delete, move or copy saved sounds to external memory or to the phone. Supported formats are MP3, AAC, AAC+ and WMA.

Listening to a recorded sound

1. Tap **Menu**  > **My Stuff** > **Audio**.
2. Tap **My Voice**.
3. Tap the file to play.

Moving or copying multiple sounds to external memory

1. Tap **Menu**  > **My Stuff** > **Audio**.
2. Tap **Options** > **Copy** or **Move**.
3. Select the file to move > **OK**.
4. Select the folder > **Copy Here** or **Move Here**.

The selected sound will be copied or moved to the **Audio** folder in the external memory card.

Sending sound files via multimedia message

1. Tap **Menu**  > **My Stuff** > **Audio**.
2. Select the audio file and tap  > **Send** > **via Message**.

AT&T Music

The AT&T Music application centers on three key music experiences: Play, Discover, and Shop.

- Play allows you to play your music with the Library feature and stream music from Genre and Personal radio stations.
- Discover offers Song Match, a service that listens to and names any tune for you, and Lyric Match which allows lookup of artist/song information based on song lyrics.
- Shop is a music catalog featuring millions of songs and albums for purchase, download them straight to your phone.

Getting Started

1. From the Home screen, tap **Menu** > **AT&T Music** .

note: The first time you launch AT&T Music, the device plays an introductory tutorial.

A free -26 day trial of all AT&T Music services is included. After the trial, you may subscribe or continue accessing the free local player and Shop features.

2. A screen displays a warning that this feature uses large amounts of data and recommends subscribing to an unlimited data plan. Tap **Continue**.

3. Touch **Let's Go!** if you want to take a quick tour of AT&T Music.
Touch **Next** as each screen displays. The AT&T Music Play screen displays with options that are described below.
4. Make a selection and follow the on-screen instructions.

Play Screen

With the mini-player always present, you can listen to and access all available device music libraries and radio stations with simple touch interactions.

Play screen options:

- **My Favorites:** Access shortcuts to favorite artists, albums, songs, and radio stations.
- **My Library:** Access all music on your phone. Create or manage playlists, and find music by artist, album, song, or genre.
- **Genre Radio:** Access pre-programmed stations ranging from today's hits to deep cuts for the music enthusiast.
- **Personal Radio:** An easy-to-use personal listening experience started by entering an artist, song, or genre. Customized to your tastes by love/ban song ratings.
- **Settings & Support:** Settings for AT&T Music and help and support in the Play section.

Discover Screen

Users can search the AT&T Music song catalog by artist names, bands and songs.

With Song Match, the phone can recognize and name nearly any song. Can't remember the name of that song you heard last? Type a few words into Lyric Match and the song appears.

Discover screen options:

- **Search Shop:** Search for songs and albums available from AT&T Music.
- **Song Match:** Identify nearly any song by holding your phone up to the music.
- **Lyric Match:** Look up songs by entering only a few words.
- **View Match History:** Allows you to see all of the songs you matched via Song and Lyric Match.
- **Settings & Support:** Settings for AT&T Music and help and support in the Discover section.

Shop Screen

You can shop the entire AT&T catalog of music by simply entering the artist or song you want to buy.

Fast, easy access to music is also available by browsing top songs, new releases, featured artists, and genres.

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Shop screen options:

- **Top Downloads:** Access the most downloaded music.
- **New Arrivals:** Access new music that was not previously available.
- **Featured Artists:** Access music of the featured artists.
- **View Genres:** View the different music genres that you may select from.
- **Purchase History:** See a history of all of your purchases.
- **Settings & Support:** Settings for AT&T Music and help and support in the Shop section.

Music Player

You can listen to music on your phone using the Music Player. The Music Player is only compatible with and can play the following audio types: MP3, AAC, AAC+ and WMA.

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

Adding music from Windows Media Player™

1. Connect the USB cable to the device and the computer.
2. Select **Music Player**.
3. Open Sync Tap in Windows Media Player™ on your computer.

4. Select the music from the list and drag and drop to your device.







note: Windows Media Player™ 10, 11 and Window XP version is required.



Playing music

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Scroll and tap to select a category.
3. Scroll to select a file and tap to play it.


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

Icons for player


| Icon | Description |
|---|-------------------------------------|
|  | Adjust the volume |
|  | Pause and play the audio file |
|  | Tap and hold : Rewind, Fast Forward |
|  | Tap: Previous, Next |
|  | Repeat all |
|  | Repeat off |

| Icon | Description |
|---|---------------------|
|  | Repeat Single Track |
|  | Shuffle On / Off |

Creating a playlist


1. Tap **Menu**  > **Applications** > **Music Player**.
2. Tap **Playlists** > **New Playlist**.
3. Enter playlist name > **OK**.
4. Tap to select a category.
5. Scroll and tap to select the music files and tap **Done** to add to playlist.

Adding music to a playlist

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Tap **Playlists**.
3. Select the playlist and tap > **Add Tracks**.
4. Tap to select a category.
5. Tap to mark desired files or tap **Select All** > **Done**.
6. To remove tracks tap **Remove Tracks** > scroll and tap to select the files and tap **Done**.

note: To delete the playlist, tap **Menu**  > **Applications** > **Music Player** > **Playlists** > **Delete**, and tap to mark desired playlists or **Select all** > **Delete**.

Viewing file information



1. Tap **Menu**  > **Applications** > **Music Player**.
2. Scroll and tap to select a category.
3. Scroll and tap to select the file.
4. Tap **Options** > **Properties**.
5. Scroll up or down to view the properties.

Setting music as a ringtone

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Scroll and tap to select a category.
3. Tap  > **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 as a ring tone.

Deleting music

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Scroll and tap to select a category.
3. Tap  > **Delete**. Or tap **Delete** and tap to mark desired files or tap **Select All** to mark all files.
4. Tap **Delete**.

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

Listening to the radio

1. Tap **Menu**  > **Applications** > **AT&T Radio**.

Watching a music video

1. Tap **Menu**  > **Applications**.
2. Tap **MobiVJ**.

Music player settings




Shuffling music

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Tap **Settings** > **Shuffle**.
3. Tap **Shuffle On** or **Shuffle Off**.
4. Tap **Save**.




Repeating music

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Tap **Settings** > **Repeat**.
3. Tap the desired option.
4. Tap **Save**.

Setting the equalizer

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Tap **Settings** > **Equalizer**.
3. Tap  /  to select **Normal**, **Pop**, **Jazz**, **Classic**, **Rock**, **Dance**, **User1**, **User2** or **User 3**.
4. Tap **Save**.

Gesture setting

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Tap **Settings** > **Gesture Setting**.
3. Drag the commander bar to **On** or **Off**.
4. Tap  /  to select the gesture for **Play&Stop**, **Next Play**, **Previous Play**, **Volume Up** and **Volume Down**.
5. Tap the each gesture to set each function > **OK** > **Save**.

Removing files in the music player

1. Tap **Menu**  > **Applications** > **Music Player**.
2. Tap **Settings** > **Remove License Data File** or **Remove All Music Contents**.
3. Tap the desired option > **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.

Playing an audio file

1. Tap **Menu**  > **Tools** > **Media Player**.
2. Tap **Audio**.
3. Tap the folder and file.



Playing a video clip

1. Tap **Menu**  > **Tools** > **Media Player**.
2. Tap **Video**.
3. Scroll and tap to select a file.



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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 files

1. Tap **Menu**  > **My Stuff**.
2. Tap **Other Files**.

Managing memory

Viewing memory status

1. Tap **Menu**  > **My Stuff**.
2. Tap **Memory**.
3. Scroll to view the information.
4. To view external memory card memory status, tap   and select the **Memory Card**.

Playing games

You can play pre-installed demo games or download games. 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.

Play games

1. Tap **Menu**  > **Games**.
2. Scroll and tap to play pre-installed games.

Shop games

1. Tap **Menu**  > **Games**.
2. Tap **Shop Games**.

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Useful Features

- Alarm
- Calendar
- Notepad and voice memo
- World time
- Calculator, tip calculator and converter
- Stop watch and timer
- Sketch pad



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Alarm

Setting an alarm

1. Tap **Menu**  > **Tools** > **Alarm Clock**.
2. Tap **Create**.
3. Set the desired options.
4. Tap **Save**.

note: To set the alarm to ring even though the phone is turned off, activate the **Power Alarm** by dragging the bar to on.

Viewing saved alarms

1. Tap **Menu**  > **Tools** > **Alarm Clock**.
2. Scroll and tap an alarm to view the detail.

Editing existing alarms

1. Tap **Menu**  > **Tools** > **Alarm Clock**.
2. Scroll and tap to select an alarm.
3. Edit the alarm details.
4. Tap **Save**.

Setting a simple alarm

1. Tap **Menu**  > **Tools** > **Alarm Clock**.
2. Tap **Simple Alarm**.
3. Scroll and set the time.
4. Tap **Save**.

Calendar

Calendar helps you manage your schedule. You can set a reminder on any given date with this function.


Viewing the calendar

1. Tap **Menu**  > **Tools** > **Calendar**.

note: Monthly view is displayed as default.



Creating and editing a new event

1. Tap **Menu**  > **Tools** > **Calendar**.
2. Tap to select a day > **Create**.
3. Select **Schedule**, **Task**, or **Note**.
4. Input the events > **Save**.


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

Notepad and voice memo

Using notepad

1. Tap **Menu**  > **Tools** > **Notepad**.
2. Tap **Create New**.
3. Enter the memo > **Save**.

Recording a voice memo

1. Tap **Menu**  > **Tools** > **Voice Memo**.
2. Tap **New Record**.
3. Tap **REC**.
4. Tap **Stop** to stop recording. It will automatically save in **My Voice**.


5. Tap **Play** to listen.

note: To access **My Voice**, tap **Menu**  > **My Stuff** > **Audio** > **My Voice**.



World time

Using world time

1. Tap **Menu**  > **Tools** > **World Time**.
2. To add a new city, tap **Add New City** and flick left or right to select a new city. Tap **Add**.
3. Tap **Set as Dual** if you want to set dual time in idle mode.



note: If you want to set dual time in idle mode, tap **Menu**  > **Settings** > **Display** > **Home Screen** > **Clock Type** > **Digital Clock** > **Digital Clock 5**.

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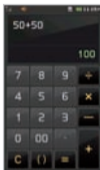
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Calculator, tip calculator and converter

Using the calculator

1. Tap **Menu**  > **Tools** > **Calculator**.
2. Tap the numbers and  /  /  /  to calculate.
3. Tap , or press the clear key  to erase one digit.
4. Tap and hold  to reset.
5. Tap  to use the decimal point.






Using the tip calculator

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






Using the converter

1. Tap **Menu**  > **Tools** > **Converter**.
2. Tap  /  to select the categories.
3. Tap the field to enter figure and scroll left or right to select the unit. Then other unit fields are updated automatically.
4. Tap **Reset** to reset.


Stop watch and timer

Using the stop watch

1. Tap **Menu**  > **Tools** > **Stop Watch**.
2. Tap  /  to select **Basic**, **Split** or **Lap**.
3. Tap **Start** to start.
4. Tap **Stop** to pause.
5. Tap **Continue** to resume.
6. Tap **Reset** to clear.



Using the timer

1. Tap **Menu**  > **Tools** > **Timer**.
2. Tap **Set** to input the time
3. Scroll to set the hour, minute and second > **Save**.
4. Tap **Start** to start.
5. Tap **Pause** to stop.
6. Tap **Continue** to resume.
7. Tap **Restart** to restart.

Sketch pad

You can draw memos or drawings and set as wallpaper or share via multimedia message or Bluetooth.

Creating a sketch

1. Tap **Menu**  > **Tools** > **Sketch Pad**.
2. Tap  to select pencil thickness, color, eraser and undo.
3. Select each option and tap  for more space to draw.
4. Draw on the sketch pad.
5. Tap  to save your work and tap **Save**.
6. Enter the name and tap **OK**.
7. To create a new drawing, tap  > **Options** > **Create New**.

Setting a background

1. Tap **Menu**  > **Tools** > **Sketch Pad**.
2. Tap  > **Options** > **Background**.
3. Tap the desired background.
4. To import an image, tap  > **Options** > **Import Image**.

note: The background image will be imported from the photo album and may be cropped when imported.

Setting a sketch as wallpaper

1. Tap **Menu**  > **Tools** > **Sketch Pad**.
2. After saving a drawing, tap  > **Options** > **Set as Wallpaper**.

Sending a sketch

1. Tap **Menu**  > **Tools** > **Sketch Pad**.
2. After saving a drawing, tap  > **Options** > **Send**.
3. Tap to select **via Multimedia Message** or **via Bluetooth**.

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6

Connectivity

Bluetooth
Using the web browser
Profile settings






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 and notes 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.

Icons for Bluetooth


| | |
|---|---|
|  | 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. Tap **Menu**  > **Bluetooth** > **Settings**.
2. Drag the **Activation** bar to **On** or **Off**.
3. Tap **Save**.

Adding a device

1. Tap **Menu**  > **Bluetooth** > **Search**.
2. The available devices will be displayed.
3. Tap to select a device.
4. Tap **Pair** to pair the device, or tap **View Detail** to view the details of the device.
5. Insert password if prompted by **Enter Password** window, and then tap **OK**.

note: The other device must be in pairing mode.

Sending an object

1. Select the file from **Menu**  > **My Stuff** > **Picture, Video, Audio** or **Other Files**.
2. Tap **Options** > **Send** > **via Bluetooth**.

note: If the other Bluetooth device requests pairing, the object is sent after pairing is completed. Locked object or ones containing original rights may not be forwarded.

Receiving an object

Receiving an object starts only when the receipt has been approved.

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


Setting the visibility

1. Tap **Menu**  > **Bluetooth** > **Settings**.
2. Drag the **Visibility** bar to **On** or **Off**.
3. Tap **Save**.

Setting Network Access

1. Tap **Menu**  > **Bluetooth** > **Settings**.
2. Drag the **Network Access** bar to **On** or **Off**.
3. Tap **Save**.

Setting File Transfer Location

1. Tap **Menu**  > **Bluetooth** > **Settings**.
2. Tap the **File Transfer Location** bar.
3. Select **Phone Memory** or **External Memory**.
4. Tap **Save**.

Naming the phone

1. Tap **Menu**  > **Bluetooth** > **My Info**.
2. Tap **Name** filed to edit the name > **OK**.

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

Using the web browser

Accessing the browser

1. Tap **Menu**  > **My Stuff** > **Applications**.
2. Tap **Browser** > **Home**.

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

Managing the bookmark information

1. Tap **Menu**  > **My Stuff** > **Applications**.
2. Tap **Browser** > **Bookmarks**.
3. Scroll up and down to select the site and tap .
4. To edit the bookmark information, tap **View** to make changes and then tap **Save**.

note: You can send the bookmark information via messages or bluetooth.

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Setting new bookmarks

1. Tap **Add Bookmark**.
2. Tap the field to enter **Title** and **URL** > **OK**.
3. Tap **Save**.

Using RSS feeds

RSS (Really Simply Syndication) feeds are used to publish frequently updated contents in web browsers such as blog entries or news headlines.

1. Tap **Menu**  > **My Stuff** > **Applications**.
2. Tap **Browser** > **Bookmarks** > **Feed**.


Entering a web address

1. Tap **Menu**  > **My Stuff** > **Applications**.
2. Tap **Browser** > **Enter Address**.
3. Tap the field to enter the web address > **OK**.
4. Tap **Go**.


Viewing browser history

1. Tap **Menu**  > **My Stuff** > **Applications**.
2. Tap **Browser** > **History**.

Setting advanced options

1. Tap **Menu**  > **My Stuff** > **Applications**.
2. Tap **Browser** > **Manage** > **Options**.
3. Change the **Rendering Mode**, **Cache**, **Cookies**, **Security Warning** and **Javascript**.
4. Tap **Save**.

Using memory operations

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

Viewing certificates

1. Tap **Menu**  > **My Stuff** > **Applications**.
2. Tap **Browser** > **Manage** > **Security**.
3. Tap **Certificates**.
4. Scroll and tap to select to view the certificate.


Viewing download status

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

Profile settings

You can set your profile and view [Profile Name](#), [Home URL](#), [Connection Type](#), [Proxy Address](#) and [Proxy Port](#).

Viewing the default profile

1. Tap **Menu**  > **My Stuff** > **Applications**.
2. Tap **Browser** > **Manage** > **Profiles**.
3. Tap  to view the details.

Adding a new profile

1. Tap **Create**.
2. Tap each field to enter the details > **OK**.
3. Tap **Save**.

Editing your profile

1. Scroll and tap  beside the default profile.
2. Tap the field to edit > **OK**.
3. Tap **Save**.

Deleting a profile

1. Tap **Delete**.
2. Tap to mark desired profiles to delete beside the default profile.
3. Tap **All** to mark all profiles.
4. Tap **OK** > **Yes**.

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The LASER logo is positioned in the center-left of the page. It features a stylized atom graphic with a central glowing nucleus and several orbiting electrons, all rendered in white. The word "LASER" is written in a clean, white, sans-serif font to the right of the atom graphic.

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7

Settings

- Phone
- Ring tones
- Display
- Touch
- Locks
- Reset
- TTY

Phone

Setting the time & date

1. Tap **Menu**  > **Settings** > **Phone**.
2. Tap **Time & Date**.
3. Change **Time Format**, **Date Format** or **Auto Update** > **Save**.


Ring tones

Setting ring tones

1. Tap **Menu**  > **My Stuff** > **Audio**.
2. Scroll and tap to select the folder.
3. Tap  of the file > **Set as Ring Tone**.

note: The maximum ringtone file size is 300KB.

Setting the sound profile

1. Tap **Menu**  > **Settings** > **Profiles**.
2. Select **Normal**, **Outdoor**, **Vibrate only**, **Silent** or **Flight Mode**.

note: Tap  to change **Call**, **Message** and **General**. Each category has options to change. Change the options and tap **Save**.

Display

Shopping wallpapers


1. Tap **Menu**  > **Settings** > **Display**.
2. Tap **Shop Wallpapers**.

Setting the home screen

Setting wallpaper

1. Tap **Menu**  > **Settings** > **Display**.
2. Tap **Home Screen**.
3. Tap **Wallpaper**.
4. Scroll and tap to select the file > **Select**.

Setting the clock type

1. Tap **Menu**  > **Settings** > **Display**.
2. Tap **Home Screen**.
3. Tap **Clock Type**.
Select **Digital Clock** or **Unique Clock**.
4. Flick to view the clock types > **Select**.

Setting the Lock Screen

1. Tap **Menu**  > **Settings** > **Display**.
2. Tap **Lock Screen**.
3. Select **Random** or **My Pictures**.

Setting the Menu Theme

1. Tap **Menu**  > **Settings** > **Display**.
2. Tap **Menu Theme**.
3. Tap  or  to select the desired menu theme > **Save**.

Setting the font style

1. Tap **Menu**  > **Settings** > **Display**.
2. Tap **Font Style**.
3. Scroll and tap to select the font type > **Save**.

Setting the brightness

1. Tap **Menu**  > **Settings** > **Display**.
2. Tap **Backlighting**.
3. Select the desired option and tap > **Save**.

note: Modifying brightness may affect battery life.

Touch

Setting the touch feedback

1. Tap **Menu**  > **Settings** > **Touch**.
2. Tap **Touch Feedback**.

3. Change the **Touch Feedback Type** and **Touch Volume** or **Vibration Intensity** > **Save**.

note: The **Touch Volume** and **Vibration Intensity** availability depends on the phone's setting.

Setting touch calibration

1. Tap **Menu**  > **Settings** > **Touch**.
2. Tap **Calibration**.
3. Tap the  on the screen.

Setting touch lock automatically

1. Tap **Menu**  > **Settings** > **Touch**.
2. Tap **Auto Screen Lock**.
3. Drag the bar to **On** or **Off** > **Save**.

note: It will lock automatically after the backlight is turned off.

Locks

Locking the phone

1. Tap **Menu**  > **Settings** > **Security**.
2. Drag the **Phone Lock** bar to **On** or **Off**.
3. Enter password.

note: The default password is '1234'. To change the password tap **Menu**  > **Settings** > **Security** > **Change Password**.

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Locking the PIN

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

1. Tap **Menu**  > **Settings** > **Security**.
2. Drag the **PIN** bar to **On** or **Off**.
3. Tap **Yes** for enable unlock.

note: The default password is '1111'. To change the PIN code tap **Menu**  > **Settings** > **Security** > **Change PIN**.


Locking the FDN

1. Tap **Menu**  > **Settings** > **Security**.
2. Drag the **FDN** bar to **On** or **Off**.
3. Enter PIN2 code.

note: The default password is '2222'. You have only 3 trials. If you enter the wrong code 3 times, the phone will be locked. If the phone locks, please contact the service center.

For details on fixed dialing, see page 37.

Changing the PIN 2

1. Tap **Menu**  > **Settings** > **Security**.
2. Tap **Change PIN2**.
3. Enter the PIN2 code > **OK**.
4. Enter the new PIN2 code > **OK**.

Changing the hidden key

The hidden key is a security code for USIM Contact. You can lock the person's information in the USIM Contacts with the hidden key.

1. Tap **Menu**  > **Settings** > **Security**.
2. Tap **Change Hidden Key**.

note: The default password is dependent on the SIM card (either depends on the SIM card or determined by the SIM card) .

Reset

Resetting the phone

1. Tap **Menu**  > **Settings** > **Reset**.
2. Enter password > **Master Reset**.
3. Tap **Yes** or **No**.

note: It will return configuration settings to default. The default password is '1234'.

Clearing the phone


1. Tap **Menu**  > **Settings** > **Reset**.
2. Enter password > **Master Clear**.
3. Tap **Yes** or **No**.

note: It will change the setting as default and erase all personal data. The default password is '1234'.

TTY

The teletypewriter (TTY) is a telecommunication 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. Tap **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 a text message.
 - **TTY Talk**: Users who can talk but cannot hear, can receive a text message and reply with voice message.
 - **TTY Hear**: Users who can hear but cannot talk, can send a text message and receive a voice message.

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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

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 some messages.

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

The received or saved messages are full in your phone and SIM card memory. You need to delete some 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 underground 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.

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 .

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 dial.” Cancel the “fixed dial” function.

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.

**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.
- For optimal phone performance, use cases and accessories that do not contain magnets in close proximity.

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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** (Tap the **Menu**  > **Settings** > **Profiles** > **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.

- 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 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.

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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 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 79 for instructions to disable these components.

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.

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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 20 mm (0.6 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.

**This device contains 1800 MHz GSM functions that are not operational in U.S. Territories; this filing is applicable only for 850 MHz GSM and 1900 MHz PCS operations.

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 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, key pad, 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

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- 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 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

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