Introduction

Thank you for purchasing an Alcatel Fierce™4 model 5056N. The 5056N comes equipped with many of the features and functions you want and need.

Home screen
- Convenient at-a-glance view of Shortcut applications
- Menu shortcuts for quick access to features and apps.

Power media applications
- Music & Radio
- Video & Streaming

Bluetooth®
With Bluetooth BT4.1 supporting HFP 1.7 profiles, you can enjoy hands-free conversations

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General information ........................................

Your Alcatel 5056N is a transceiver that operates on GSM/2G in quad-band with 850/900/1800/1900 MHz or UMTS in tri-band with 2/4/5 MHz and LTE FDD (2/4/12).

Protection against theft

Your mobile phone is identified by an IMEI (mobile phone serial number) shown on the packaging label and in the product's memory. We recommend that you note the number the first time you use your mobile phone by entering *#06# and keep it in a safe place. It may be requested by the police or your network operator if your mobile phone is stolen.

This product meets applicable national SAR limits of 1.6 W/kg. The specific maximum SAR values can be found in the SAR INFORMATION section of this user guide.

When carrying the product or using it while worn on your body, either use an approved accessory such as a holster or otherwise maintain a distance of 15 mm from the body to ensure compliance with RF exposure requirements. Note that the product may be transmitting even if you are not making a phone call.

Your mobile ................................................

1.1 Keys and connectors

- Headset connector
- Proximity & Light Sensor
- LED indicator
- Touch screen
- Back key
- Home key
- Recent key
- Microphone
- Micro-USB Connector
- Front-Facing Camera
- Home key
- Recent key
Camera Flash/Flashlight

Camera

Power key

Volume up key

Volume down key

Camera

Back key
- Touch to go back to the previous screen, or to close a dialog box, options menu, the notification panel, etc.

Home key
- From any application or screen, touch to return to the Home screen.
- Touch and hold to open Google Now.

Recent key
- Touch to view recently used applications.
- Touch to close any application.
- Touch the brush icon on the bottom of the screen to close all applications.

Power key
- Press: Lock the screen/Light up the screen.
- Press and hold: Show the pop-up menu to select from Power off/Restart/Airplane mode.
- Press and hold the Power key and Volume down key to capture a screenshot.
- Press and hold the Power key for 8 seconds to power off or hold it for 10 seconds or more to force reboot.

Volume Keys
- In call mode, adjusts the earpiece or headset volume.
- In Music/Video/Streaming mode, adjusts the media volume.
- In general mode, adjusts the ringtone volume.
- Mutes the ringtone of an incoming call.
- In camera mode, press Volume up or down key to take a photo.
1.2 Getting started

1.2.1 Set-up

Removing or attaching back cover

Inserting or removing the Nano SIM card
You must insert your Nano SIM card to make phone calls.

Place the SIM card into Nano SIM compartment shown above with gold contacts facing down. Ensure SIM is correctly inserted. To remove SIM card, push the top of SIM card from opening and pull out card.

Your phone only supports Nano SIM card. Do not attempt to insert other SIM types like Mini or Micro cards, otherwise you may damage your phone.

Installing and removing the microSD card

Place the microSD card into the compartment shown above with gold contacts facing down. Make sure that it is correctly inserted. To remove microSD card, pull bottom of card out of compartment.

Charging battery

To charge the battery, connect the charger to your phone and main socket. You can also charge your phone via USB cable.

To reduce power consumption and energy waste, when the battery is fully charged, disconnect your charger; switch off Wi-Fi, GPS, Bluetooth or background-running applications when not in use; reduce the backlight time, etc.

1.2.2 Power on your phone

Hold down the Power key until the phone powers on, unlock your phone (Slide, PIN, password, pattern) if necessary, once unlocked, Home screen is displayed.
If you don’t know your PIN code or if you have forgotten it, contact your service provider. Do not store PIN code within your phone, instead store PIN in a location that is accessible without using phone.

Set up your phone for the first time

The first time you power on the phone, you should set the following options:

- Select the phone’s language, then touch .
- Select an enabled Wi-Fi, then touch NEXT, otherwise touch SKIP.
- Set up Google Email and Services by following prompts, view Terms and touch AGREE. Next you will be prompted to download backed up apps & date from your Google account, touch NEXT.
- Set the Protect your phone feature, this feature prevents others from using your phone without your permission. To activate SET SCREEN LOCK, if you prefer select SKIP to move to next screen.
- Next the Setup complete screen will be displayed, touch FINISH.

Even if no SIM card is installed, your phone will still power on and you will be able to connect to a Wi-Fi network and use some of the phone’s features.

1.2.3 Power off your phone

With phone ON, hold down the Power key until the pop-up menu appears, select Power off to confirm.

1.3 Home screen

You can move all of the items (applications, shortcuts, folders and widgets) you use most frequently to your Home screen for quick access. Touch the Home key to switch to the Home screen.

Status bar
- Status/Notification indicators.
- Touch and drag down to open the notification panel.

Search bar
- Touch to enter text search screen.
- Touch to enter voice search screen.

Favorite tray applications
- Touch to enter the application.
- Touch and hold to move or change applications.

Touch an icon to open an application, folder, etc.

Touch to enter application list.

The Home screen extends on either side of the screen to allow more space for adding applications, shortcuts etc. Swipe the Home screen left or right to view additional Home screens. The page indicators above the apps tray indicate which screen you are viewing.
1.3.1 Using the touchscreen

**Touch**
To access an application, touch it with your finger.

**Touch and Hold**
Touch and hold the item to enter the available options.

**Drag**
Place and hold your finger on the screen to drag an object to another location.

**Slide/Swipe**
Slide the screen up and down to scroll through the applications, images, web pages, etc.

**Flick**
Flick your finger left and right across screens to move through faster.

**Pinch/Spread**
Place your fingers of one hand on the screen surface and draw them apart or together to scale an element on the screen.

**Rotate**
Automatically change the screen orientation from portrait to landscape by turning the phone sideways to have a better view. To activate rotate mode, touch Settings > Display > Auto-rotate screen > Rotate screen contents. This feature is available when viewing a picture, a video, or a webpage, etc.

1.3.2 Status bar

From the status bar, you can view both phone status (to the right side) and notification information (to the left side).

**Status icons**

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2G connected</td>
<td>Connected to a Bluetooth device</td>
</tr>
<tr>
<td>2G in use</td>
<td>Speakerphone is on</td>
</tr>
<tr>
<td>4G connected</td>
<td>Roaming</td>
</tr>
<tr>
<td>4G in use</td>
<td>Headset connected</td>
</tr>
<tr>
<td>4G LTE connected</td>
<td>No SIM card installed</td>
</tr>
<tr>
<td>4G LTE in use</td>
<td>Vibrate mode</td>
</tr>
<tr>
<td>Signal strength</td>
<td>Battery is very low</td>
</tr>
<tr>
<td>Wi-Fi is on</td>
<td>Battery is low</td>
</tr>
<tr>
<td>Connected to a Wi-Fi network</td>
<td>Battery is partially drained</td>
</tr>
<tr>
<td>Airplane mode</td>
<td>Battery is full</td>
</tr>
<tr>
<td>No signal</td>
<td>Battery is charging</td>
</tr>
<tr>
<td>Alarm is set</td>
<td>GPS is on</td>
</tr>
<tr>
<td>Bluetooth is on</td>
<td></td>
</tr>
</tbody>
</table>
Notification icons

<table>
<thead>
<tr>
<th>Notification icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="New Gmail message icon" /></td>
<td>Missed call</td>
</tr>
<tr>
<td><img src="image" alt="New Email message icon" /></td>
<td>Call forwarding is on</td>
</tr>
<tr>
<td><img src="image" alt="New text or multimedia message icon" /></td>
<td>Connected to VPN</td>
</tr>
<tr>
<td><img src="image" alt="Problem with SMS or MMS delivery icon" /></td>
<td>Radio is on</td>
</tr>
<tr>
<td><img src="image" alt="New Google Hangouts message icon" /></td>
<td>Uploading data</td>
</tr>
<tr>
<td><img src="image" alt="New voicemail icon" /></td>
<td>Download finished</td>
</tr>
<tr>
<td><img src="image" alt="Upcoming event icon" /></td>
<td>Select input method</td>
</tr>
<tr>
<td><img src="image" alt="Screenshot captured icon" /></td>
<td>An open Wi-Fi network is available</td>
</tr>
<tr>
<td><img src="image" alt="Both USB tethering and portable hotspot are on icon" /></td>
<td>Phone is connected via USB cable</td>
</tr>
<tr>
<td><img src="image" alt="Phone is connected via USB cable icon" /></td>
<td>System update available</td>
</tr>
<tr>
<td><img src="image" alt="More notifications are hidden icon" /></td>
<td>Carrier data use threshold approaching or exceeded</td>
</tr>
<tr>
<td><img src="image" alt="Wi-Fi Calling icon" /></td>
<td></td>
</tr>
</tbody>
</table>

Touch and drag down the Status bar to open the Quick Settings panel or Notifications panel. Touch and drag up to close it. When there are notifications, you can touch them to access notifications directly.

Notifications panel

Touch and drag down the Status Bar to open the Notifications panel. Touch the notifications to view details or touch on the bottom of Notifications panel to clear all notifications (ongoing notifications will remain).

Touch status bar to switch to the settings shortcut panel.

Touch to clear all event-based notifications (other ongoing notifications will remain).
Quick setting panel
Drag down and touch the Notifications panel to open the Quick Settings panel. Enable or disable settings or change modes by touching the icons.

Touch to enter profile screen.

Touch to access all Settings.

1.3.3 Search bar
The phone provides a Search function which can be used to locate information within applications, the phone or the web.

1. Search by text
   - Touch Search bar from the Home screen.
   - Enter the text/phrase you want to search for.
   - Touch the Enter/Search key/icon on the keyboard to begin search.
   - Use top menu bar with filters to view search results All, Maps, News, Videos, Images, Shopping, Books, or Apps.

2. Search by voice
   - Touch from Search bar to display a dialog screen.
   - Speak the word/phrase you want to search and a list of search results will display for you to select from.
   - Use top menu bar with filters to view search results All, Maps, News, Videos, Images, Shopping, Books, or Apps.
1.3.4 Lock/Unlock screen

To protect your phone and privacy, lock the phone screen by creating a variety of patterns, PIN or password etc.

To create a screen unlock pattern (refer to section “Screen lock” for detail settings)
- Touch Settings > Lock screen > Screen lock > Pattern.
- Draw your own pattern.

To create a screen unlock PIN or Password
- Touch Settings > Lock screen > Screen lock > PIN or Password.
- Set your PIN or password.

To lock phone screen
Press the Power key once to lock the screen.

To unlock phone screen
Press the power key once to light up the screen, draw the unlock pattern you have created or enter PIN or password to unlock the screen.

If you have chosen Swipe as the screen lock, swipe screen upward to unlock screen.
Unlock phone screen shortcuts

Additional shortcuts are available from unlock screen: Google Now and Camera. While screen is locked swipe to the right to access Google Now, or swipe to the left to access Camera without needing to unlock screen.

1.3.5 Customize quick launch icons on lock screen

The phone has quick accesses to five apps from lock screen by default: New message, Email, Selfie, Calculator, Keep. You can customize your lock screen by creating quick launch icons, which can directly bring you into a specific function or app.

To enable quick launch function on lock screen:

1. Touch Settings > Lock screen.
2. Make sure the Screen Lock is not set to None.
3. Touch Func shortcuts to access menu, toggle the switch to turn on Func function.

To customize quick launch icons on lock screen:

1. Touch Settings > Lock screen.
2. Then touch Func shortcuts.
3. A list of 14 shortcuts allows you to choose from. Five of them are preset in phone, you can manually select the shortcuts you want to show on lock screen.
To use quick launch icons on lock screen:
1. Press the Power key to light the screen.
2. Double tap the desired quick launch icon to explore the function or app.

### 1.3.6 Personalize your Home screen

**Add**
Touch and hold a folder, an application, or a widget to activate the Move mode and drag the item to any Home screen you prefer.

**Reposition**
Touch and hold the item to be repositioned to activate the Move mode, drag the item to the desired position and then release. You can move items both on the Home screen and the Favorite tray. Hold the icon on the left or right edge of the screen to drag the item to another Home screen.

**Remove**
Touch and hold the item to be removed to activate the Move mode, drag the item up to the top of the icon, and release after the item turns red.

**Create folders**
To improve the organization of items (shortcuts or applications) on the Home screen, you can add them to a folder by stacking one item on top of another. To rename a folder, open it and touch the folder’s title bar to input the new name.

**Wallpaper customization**
Touch Settings on the applications screen then touch Display > Wallpaper to customize wallpaper.

### 1.3.7 Applications menu

Touch on the Home screen to enter the applications menu.
To return to the Home screen, touch the Home key.
Recently-used applications panel
To view recently-used applications, touch  
Touch an app in the list to open that application. To remove an app  to close it. Touch the Brush button  on the list, swiping app to left or right side or touch bottom of the screen to remove all recently-used applications.

1.3.8 Volume adjustment
You can set the ringer, media and phone ringtone volumes to your preference by pressing the Volume up/down key, or touching Settings > Sound & notification to set the volume.

1.4 Applications and widgets menu
The applications and widgets menus contain and provide access to all pre-installed and newly downloaded applications or widgets.

Accessing applications menu
To access the applications menu, touch  from the Home screen.

To download new applications from applications menu or Home screen touch Play Store  icon and search for preferred applications by name, subject or category.

Accessing widgets menu
In widgets menu, you can view all available widgets that can be added to your home screens.

To access the widgets menu touch and hold an empty place on the Home screen, touch WIDGETS. To add a widget to a home screen, touch and hold to pick up a preferred widget and drag it to the desired space on the Home screen (if space is not available on preferred home screen a new home screen with available space for a widget must be selected).
To return to Home screen from applications or widgets menu touch the **Home** key or to return to previous screen from applications or widgets menu touch **Back** key.

### 1.5 Phone Protection

Device protection is automatically activated when you add a Google Account and set a screen lock. Together with Android Device Manager, you can locate and erase your phone and protect it from reuse if it’s lost or stolen. Even if your phone gets wiped, your Google Account password will be required before anyone can use your phone.

**To activate phone protection**

1. Select **Protect your phone** when prompted during phone set up.

2. Set Pattern, PIN or Password.

3. Draw an unlock pattern twice and touch **CONFIRM** to activate the screen lock.

Note: If you decide you want to skip option, select **Cancel**. If you have already set up your phone, activate option by going to **Settings/Lock screen/Screen lock**.
To deactivate

Note: deactivate this option before you return or exchange your phone or before factory reset to avoid PIN/password from being required to access phone.

1. Touch , then touch Settings and select Lock screen.
2. Touch Screen lock, and you will be prompt to draw the preset unlock pattern to confirm.
3. Select None to deactivate.
4. Touch OK to remove screen lock and finish the deactivation.

2 Text input ...................................................

2.1 Using Onscreen Keyboard

Onscreen Keyboard settings
Touch Settings > Language & input, touch the keyboard you want to set up and a series of settings will become available for your selection.

Adjust the Onscreen Keyboard orientation
Turn the phone sideways or upright to adjust the Onscreen Keyboard orientation. You can adjust it by changing the settings (Touch Settings > Display > Auto-rotate screen > Rotate screen contents).
2.1.1 Google keyboard

Touch to enter phone number or contact.
Touch to switch "abc/Abc" mode, touch twice for "ABC" mode.

Touch to switch between symbol and numeric keyboard.
Press and hold to open settings.

Touch to enter phone number or contact.
Touch to add a contact from saved Groups or Contacts
Touch to switch "abc/Abc" mode, touch twice for "ABC" mode.

Touch to enter text.
Touch to send message.
Touch to select symbols, press and hold to go to next line.

Touch to view messaging options.

Switching keyboards from new message screen

When in new message screen, drag down the Status bar to open the Notifications panel.

In the Notifications panel, touch Change keyboard, from this input method shortcut menu you can choose between: Android keyboard, Google Keyboard, Google voice typing.

2.2 Text messaging

Use the text messaging feature to send and receive text (SMS) and multimedia (MMS) messages.

Creating a text message

In message screen, touch the new message icon to create a new text/multimedia message.
3 Phone calls, Call history log and Contacts

3.1 Call 

3.1.1 Placing a call
You can easily place a call using Call . Touch the Application tab from the Home screen and select Call .

To make a phone call, choose from the following options: enter the desired number directly into dial pad, then touch , or directly touch the contact to place a call.

If you make an error when inputting a phone number, you can delete the incorrect digit(s) by touching .

To hang up a call, touch .
International call
To dial an international call, long press \( \text{ \textcolor{blue}{\#}} \) to enter “+”, then enter the international country prefix followed by the full phone number and finally touch \( \text{ \textcolor{blue}{\#}} \).

Emergency call
If your phone has network coverage, dial the emergency number and touch \( \text{ \textcolor{blue}{\#}} \) to make an emergency call. This works even without a SIM card and without typing the PIN code.

3.1.2 Answering or rejecting a call

When you receive a call:
- Slide the \( \text{ \textcolor{blue}{\#}} \) icon to the right to answer;
- Slide the \( \text{ \textcolor{blue}{\#}} \) icon to the left to reject;
- Slide the \( \text{ \textcolor{blue}{\#}} \) icon upwards to reject the call by sending a preset message.

To mute the ringtone volume of an incoming call, press the Volume up/down key, or turn the phone over (when the Settings > Gestures > Turn over to mute option is activated).

3.1.3 Accessing your voicemail
Your voicemail is provided by your network to avoid missing calls. It works like an answering machine that you can access at any time.

To access your voicemail, long press \( \text{ \textcolor{blue}{\#}} \).

If you receive a voicemail, a voicemail icon \( \text{ \textcolor{blue}{\#}} \) appears on the Status bar. Open the Notification panel and touch New voicemail.

3.1.4 Resetting your voicemail password
If you forget your voicemail password, you can reset it to the last four digits of your phone number. To start reset enter \#793# into dial pad, touch \( \text{ \textcolor{blue}{\#}} \) to dial, remain looking at your screen and a message will display confirming reset of voicemail password to last four digits of your phone number, select OK when displayed and reset is completed.

3.1.5 During a call
To adjust the volume during a call, press the Volume up/down key.
Touch to end the current call.
Touch to activate the speaker during the current call. Touch this icon again to deactivate the speaker.
Touch to mute the current call. Touch this icon again to unmute the call.
Touch to display the Dial pad.
Touch to hold the current call. Touch this icon again to retrieve the call.
Touch to add a call.
Touch to enter video call.

To avoid accidental operation of the touchscreen during a call, the screen will be locked automatically when you put the cellphone close to your ear; and it will be unlocked when the cellphone is taken away from your ear.

3.1.6 Managing multiple calls
With this phone you can handle multiple calls at the same time.

Swap calls
When you accept two calls, touch the icon, you can now switch between two lines. The current call will be put on hold and you are able to join the other call.

Conference calls (1)
You can set up a conference call as follows.
1. Place a call to the first participant of the conference call.
2. Touch the icon.
3. Then touch the icon and then touch the icon to start the conference.
4. Touch to end the conference call and disconnect all callers.

3.1.7 Call settings
Touch from the Call screen, then touch Settings. The following options are available: Call history

Voicemail
- Service: Opens a dialog box where you can select your operator's voicemail service or another service.
- Setup: Touch to view the voicemail number.
- Sound: Touch to set the sound when a new voicemail arrives.
- Vibrate: Mark the checkbox to enable vibration when a new voicemail arrives.

Call barring: Touch to configure Call barring settings. Mark the check box to activate the call barring for outgoing and incoming calls.

Service Dialling Numbers: You can place a call from the SDN list.

(1) Depending on your network operator.
**Call forwarding:** Touch to configure how your calls are forwarded when you are busy, unanswered or unreachable.

**Additional settings**
- **Caller ID:** Touch to use default operator settings to display your number in outgoing calls.
- **Call waiting:** Mark the check box to notify you of new incoming calls during a call.
- **TTY mode:** TTY mode can be used by people who are deaf, have poor hearing or speech impairments.
- **DTMF Tones:** Dual Tone Multi-Frequency, or DTMF is a method for instructing a telephone switching system of the telephone number to be dialled, or to issue commands to switching systems or related telephony equipment. Touch to enable DTMF tones.
- **VoLTE Setting**
  Enable the button to activate using voice over LTE when PS voice is supported by network.

### 3.2 Wi-Fi Calling

Wi-Fi Calling lets you make and receive voice calls and text /multimedia messages over your Wi-Fi network when your phone is connected to a Wi-Fi network and registered with your wireless carrier’s network for Wi-Fi Calling.

Wi-Fi Calling can improve your coverage and allows you to make phone calls and send messages over a Wi-Fi network (when a Wi-Fi network is available). Please check your rate plan to determine if Wi-Fi Calling minutes count towards your cellular calling minutes or not.

To use Wi-Fi Calling please use the SIM card shipped with your device. A different SIM card may not work with the Wi-Fi Calling feature. You must have a 911 emergency address registered with your account.

Please note: Corporate accounts may require administrator assistance for 911 Address.

When your phone is connected to Wi-Fi network, you will see [ ] at the top of your screen. Now you are able to use your device for calling and messaging even if you have no cellular coverage.

To enable Wi-Fi Calling
1. From the Home screen, touch Applications icon [ ]
2. Select **Settings**, then **More**, then **Wi-Fi calling settings**.
3. Toggle **Wi-Fi Calling** button to right **On** position, bar will light up in green.

To disable Wi-Fi Calling
1. From the Home screen, touch Applications icon [ ]
2. Select **Settings**, then **More**.
3. Toggle **Wi-Fi Calling** button to left **Off** position, bar will display in gray.
From the Home screen, touch Applications icon.

Select Settings, then More.

Select Wi-Fi Calling, then select Wi-Fi Calling preference.

Calls and messages made over Wi-Fi will be charged like cellular calls.

3.3 Call log

You can access your call memory by touching RECENTS tab from the Call screen to view Missed calls, Outgoing calls and Incoming calls.

Touch a contact or number to view information or further operations, you can launch a new call, send SMS to the contact or number, view detailed information of the call, or clear the call.

You can also add the number to Contacts by touching (only available for unsaved phone numbers).

Touch View full call history to view All call log, touch and Clear call log to clear the entire call memory.

3.4 Contacts

Contacts enables quick and easy access to the contact you want to reach.

You can view and create contacts on your phone and synchronize these with your Gmail contacts or other applications on the web or on your phone.

3.4.1 Consult your Contacts

To access this feature, touch from the Home screen, then select Contacts.

Delete a contact

To delete a contact, touch the contact you want to delete, the icon will turn to , then touch and confirm to delete. Touch to select all contacts, then touch and confirm to delete all contacts.

The contact you have deleted will also be removed from other applications on the phone or web the next time you synchronize your phone.

Touch to display the contacts list option menu, following actions are enabled:

- **Contacts to display** Choose contacts to display.
- **Merge contacts** Duplicate contacts.
- **Import/Export** Import or export contacts between phone, SIM card, microSD card and phone storage.
- **Block contacts** Touch to view blocked contacts list.
- **Accounts** Manage the synchronization settings for different accounts.
- **Settings** Touch to change the display of the sort list and contact names.
3.4.2 Adding a contact

Touch in the contact list to create a new contact.
You are required to enter the contact’s name and other contact information. By scrolling up and down the screen, you can move from one field to another easily.

Touch to enter contact name.
Touch to unfold the other predefined labels of this category.
Touch to select Phone or SIM card.
Touch to add different names.
Touch to select a picture for the contact.
Touch to add a phone number.
Touch to save.
Touch to select Phone or SIM card.
Touch to add different names.
Touch to select a picture for the contact.
Touch to add a phone number.
Touch to save.
Touch to select Phone or SIM card.
Touch to add different names.
Touch to select a picture for the contact.
Touch to add a phone number.
Touch to save.

If you want to add more information, touch MORE at the bottom to add a new category.
When finished, touch to save.
To exit without saving, you can touch and then touch Discard changes.

Add to/remove from Favorites(1)
To add a contact to favorites, you can touch a contact to view details then touch to add the contact to favorites (the star will turn white).
To remove a contact from favorites, touch the white star on the contact details screen.

(1) Only phone contacts can be added to Favorites.

3.4.3 Editing your contacts

To edit contact information, touch in the contact details screen to edit.
When finished, touch to save.

3.4.4 Use Quick contact for Android

Touch a contact to open Quick Contact for Android, then you can touch or the number to make a call, touch to send a message.

The icons available on the Quick Contact panel depend on the information you have for the contact and the applications and accounts on your phone.

3.4.5 Importing, exporting and sharing contacts

This phone enables you to import or export contacts between your phone, SIM card and phone storage.
From the Contacts screen, touch \( \) to open the options menu, touch Import/Export, then select Import from SIM card, Export to SIM card, Import from phone storage, Export to phone storage, Import from SD storage, Export to SD storage or Share visible contacts.

To import/export a single contact from/to your SIM card, select the contact you want to Import/Export, and touch the \( \) / \( \) icon to confirm.

To import/export all contacts from/to your SIM card, touch the icon \( \) and then the \( \) / \( \) icon to confirm.

You can share a single contact or contacts with others by sending the contact’s vCard to them via Bluetooth, Gmail, etc.

Touch a contact you want to share, touch the \( \) icon and Share contact from the contact details screen, and then select the application to perform this action.

### 3.4.6 Displaying contacts

You can configure which list of contacts, for each account, you want to display in the Contacts list. Touch \( \) and touch Contacts to display from contacts list screen, then you can choose which contacts to display.

Touch \( \) and Settings to sort the list by First name or Last name as well as viewing contact names by First name first or Last name first.

### 3.4.7 Joining/Separating contacts

To avoid duplication, you can add any new contact information to existing contacts in a single action. Touch the contact which you want to add information to, touch \( \) to enter edit contact screen, then touch \( \) again and touch Join.

At this time, you are required to select the contact whose information you want to join with the first contact. The information from the second contact is added to the first one, and the second contact will no longer be displayed in the Contacts list.

To separate contact information, touch the contact whose information you want to separate, touch to enter edit contact screen, then touch \( \) again and touch Separate, touch OK to confirm.

### 3.4.8 Accounts

Contacts, data or other information can be synchronized from multiple accounts, depending on the applications installed on your phone.

To add an account, touch \( \) from the contacts list and touch Accounts/Add account or from the home screen, touch \( \) then Settings > Accounts > Add account.

You are required to select the kind of account you are adding, like Google, Corporate, etc.

As with other account setup, you need to enter detailed information, like username, password, etc.

You can remove an account to delete it and all associated information from the phone. Touch the account you want to delete, touch \( \) and select Remove account, then confirm.

#### Turn on/off the sync & Auto-sync

Touch an account to enter the account screen, mark/unmark the checkbox(s) to turn on/off the account’s auto-sync. When activated, all changes to information on the phone or online will be automatically synchronized with each other.

#### Sync manually

You can also synchronize an account manually from the Accounts screen. Touch an account in the list, then touch \( \) and select Sync now.

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(1) Only applicable for phone contacts.
4  Messaging, Gmail/Email, Google Hangouts ..............................................................

4.1  Messaging...........................................................................................................

You can create, edit and receive SMS and MMS with this phone.

To access this feature, touch \( \text{Messaging} \) from the Home screen then select Messaging.

To check messages stored in your SIM card, touch the \( \text{Settings} > \text{Advanced} > \text{Manage SIM messages} \).

4.1.1  Write message

On the message list screen, touch the new message icon \( \text{to write text/multimedia messages.} \)

- Touch to view the whole message thread.
- Long press to activate delete mode.

Touch to create a new message.

For saved contacts, touch the photo to open the Quick Contact panel to communicate with the contact. For unsaved contacts, touch the photo to add the number to your Contacts.

Sending a text message

Enter the mobile phone number of the recipient in the To bar or touch \( \text{to add recipients touch the Type message bar to enter the text of the message. Touch the and icon to insert emotions.} \)

An SMS message of more than 160 characters will be charged as several SMS. A counter will be on the right of the text box to remind you how many characters are allowed to be entered in one message.

Specific letters (accented) will also increase the size of the SMS, this may cause multiple SMS to be sent to your recipient.

Sending a multimedia message

MMS enables you to send video clips, images, photos, animations, slides and sounds to other compatible mobiles and e-mail addresses.

An SMS will be converted to MMS automatically when media files (image, video, audio, slides, etc.) are attached or subject or email addresses are added.

To send a multimedia message, enter the recipient’s phone number in the To bar and touch the Type message bar to enter the text of the message. Touch the icon to open the options menu, touch the icon to attach a picture, video, audio and so on.

When finished, touch \( \text{to send the multimedia message.} \)
4.1.2 Manage messages

When receiving a message, an icon will appear on the status bar as a notification. Drag down the status bar to open the Notification panel, touch the new message to open and read it. You can also access the Messaging application and touch the message to open it.

Messages are displayed in conversational order.

Touch a message to enter the message composing screen:

- Touch to call the number;

4.1.3 Adjust message settings

You can adjust a range of message settings. From the Messaging application screen, touch and touch Settings.

- SMS enabled Touch to change your default SMS app.
- Edit quick text Touch to add or edit message templates.

- Touch to save the number to contacts or view the contact detail if the number has been saved;
- To reply to a message, enter the text, or touch to insert quick text, contact etc., after edit then touch.

- Long press a message to show the following icons: copy text, forward, view detail, delete etc., touch and touch Save message to SIM card to save the message to SIM card or touch Lock message to report the message as spam.

Attach options:

- Photos Access the Camera to capture a new photos for attaching.
- Pictures/Videos Access the Gallery application or File Manager to select a picture/video as an attachment.
- Audio Access to select an audio file as an attachment.
- Contact Enter Contacts to select a contact as an attachment.
Storage
- **Delete old messages** Select to delete old messages when the maximum number of stored messages is reached.
- **Text message limit** Touch to set the number of text messages to be saved per conversation.
- **Multimedia message limit** Touch to set the number of multimedia messages to be saved per conversation.

Notifications
- **Notifications** Mark the checkbox to display message notifications in the status bar.
- **Select ringtone** Touch to select a ringtone as a new message notification tone.
- **Vibrate** Select to have phone vibrate as a notification when receiving a new message.
- **Beep when on an active call** Mark the checkbox to beep when receiving a new message during an active call.

WAP messages settings
- **WAP message enable** Mark the checkbox to enable receipt of push messages from network.
- **Open links to WAP messages automatically** Touch to set frequency of open message links automatically

Cell broadcast settings
- **Cell broadcast** Mark the checkbox to enable receipt of cell broadcast messages.
- **Select CB ringtone** Touch to select CB ringtone when receiving cell broadcast messages.
- **Enable CB LED indicator** Mark the checkbox to enable CB LED indicator.
- **Enable light up screen** Mark the checkbox to light up the screen when receiving new cell broadcast.

- **Vibrate** Select to have phone vibrate as a notification when receiving a new message.
- **Cell broadcast settings** Touch to select channels and configure languages.
- **Wireless emergency alerts** Touch to enter emergency alerts settings.

Text message (SMS) settings (under Advanced tab)
- **Delivery reports** Mark the checkbox to request a delivery report for each message you send.
- **Manage SIM messages** Touch to manage text messages stored on your SIM card.
- **SMS Service Center** Touch to edit or view the service center number.
- **Validity period** Select a validity period, during which the network provider will continue to resend the message if not immediately deliverable.
- **Alphabet management** Touch to select the Alphabet mode.
- **Convert long SMS to MMS** Mark the checkbox to convert long SMS to MMS.
- **SMS signature** Mark the checkbox to enable SMS signature.
- **Edit SMS signature** Enter an SMS signature you want.
Multimedia message (MMS) settings (under Advanced tab)

- **Group messaging**  Mark the checkbox to use MMS to send a single message when there are multiple recipients.

- **Delivery reports**  Mark the checkbox to request a delivery report for each message you send.

- **Read reports**  Mark the checkbox to request a report on whether each recipient has read a multimedia message sent by you.

- **Auto-retrieve**  Mark the checkbox to download the full MMS message (including message body and attachment) automatically to your phone. Otherwise, download only the MMS message header.

- **Roaming auto-retrieve**  Mark the checkbox to download the full MMS message (including message body and attachment) automatically when roaming. Otherwise, download only the MMS message header to avoid extra charges.

- **Creation mode**  Select to change creation mode.

- **Maximum message size**  Select to input the maximum message size.

- **Priority**  Touch to set the priority.

4.2 Gmail/Email

The first time you set up your phone, you can select to use an existing Gmail or to create a new Email account.

4.2.1 Gmail

As Google’s web-based email service, Gmail is configured when you first set up your phone. Gmail can be automatically synchronized with your Gmail account on the web.

**To access Gmail**

From the Home screen, touch to enter the applications list, then touch Gmail.

**To create and send emails**

- Touch the icon from the Inbox screen.
- Enter recipient(s)’s email address in To field, and if necessary, touch and touch Cc/Bcc to add a copy or a blind copy to the message.
- Enter the subject and the content of the message.
- Touch to add an attachment.
- Finally, touch the icon to send.
- If you do not want to send the mail out right away, you can touch and Save draft or touch the Back key to save a copy. To view the draft, touch the icon then select Drafts.
- If you do not want to send or save the mail, you can touch and then touch Discard.

**To add a signature to emails,** touch and Settings from inbox screen, choose an account, then touch Signature.

**To receive and read your emails**

When a new email arrives, you will be notified by a ringtone or vibration, and an icon will appear on the Status bar.

Touch and drag down the Status bar to display the Notification panel and touch the new email to view it. You can also access the Gmail Inbox label and touch the new mail to read it.
You can search for an email by sender, subject, label, etc.
- Touch the search icon from Inbox screen.
- Enter the keyword you want to search for in the search box and touch .

To reply or forward emails
- **Reply**
  - When viewing an email, touch to reply to the sender of this mail.
- **Reply all**
  - Touch and select “Reply all” to send the message to all people in a mail loop.
- **Forward**
  - Touch and select “Forward” to forward the received mail to other people.
- **Add star**
  - Touch to add a star for the mail.
- **Print**
  - Touch and select Print to print the mail.

Managing Gmals by Labels
To conveniently manage conversations and messages, you can organize them using a Label.
- To label a conversation when reading a conversation’s messages, touch and then choose Move to.
- To view conversations by labels when viewing your inbox or another conversation list, touch the icon, then touch a label to view a list of conversations with that label.

Long press an email to activate batch mode and produce the following options:
- Touch to archive the email message. To display the archived messages, you can touch then touch All mail.
- Touch to delete the email message.
- Touch to mark an email message as read or unread.

Touch to access the following options.
- **Move to**
  - Touch to move the mail to other labels.
- **Change labels**
  - Touch to change the label of the email message or conversation.
- **Add/Remove star**
  - To assign a star or remove the star from the conversation.
- **Mark (not) important**
  - To Mark the email as important or not important.
- **Mute**
  - Touch to hide the mail and the mail could be found by touching All mail.
- **Report spam**
  - To report the email message/conversation as spam.

Gmail settings
To access Gmail settings, touch the icon and select Settings.

General settings
- **Gmail default action**
  - Touch to set the default action: archive or delete.
- **Swipe actions**
  - Mark the checkbox to enable a Swipe to archive messages within the conversation list.
- **Sender image**
  - Mark the checkbox to show the sender’s image beside their name in the conversation list.
- **Reply all**
  - Mark the checkbox to define the default response to messages.
- **Auto-fit messages** Mark the checkbox to shrink messages to fit the screen and allow zooming.

- **Auto-advance** Touch to select which screen (Newer, Older or Conversation list) to show after you delete or archive a conversation.

- **Confirm before deleting** Mark the checkbox to receive a request to confirm your action before deleting emails.

- **Confirm before archiving** Mark the checkbox to receive a request to confirm your action before archiving emails.

- **Confirm before sending** Mark the checkbox to receive a request to confirm your action before sending emails.

**Touch an account to view the following settings:**

- **Inbox type** To set this inbox as the default or priority Inbox.

- **Inbox categories** Mark the checkbox to enable the folder to appear under the Inbox folder.

- **Notifications** Mark the checkbox to activate a notification when a new email arrives.

- **Inbox sound & vibrate** Touch to set Sync message, Ringtone, Vibrate and Notify once.

- **Signature** To add a signature text to the end of each mail you send.

- **Vacation responder** Touch to set a notification when on vacation.

- **Sync Gmail** Mark the checkbox to turn on/off Gmail sync.

- **Days of mail to sync** Touch to set the duration of days for mail sync.

- **Manage labels** Touch to open the Label screen, where you can manage synchronization and notifications.

- **Download attachments** Mark the checkbox to auto download attachments to recent messages via Wi-Fi.

- **Images** Touch to set whether images are always shown or if you will be prompted to show them.

**4.2.2 Email**

Besides your Gmail account, you can also set up external POP3, IMAP or Exchange email accounts in your phone.

To access this feature, touch 📥 from the Home screen, then select **Email**.

An email wizard will guide you through the steps to set up an email account.

- Enter the email address and password of the account you want to set up.

- Touch **Next**. If the account you entered is not provided by your service provider in the phone, you will be prompted to go to the email account settings screen to enter settings manually. Alternatively, you can touch **Manual setup** to directly enter the incoming and outgoing settings for the email account you are setting up.

- Enter the account name and display name in outgoing emails.

- To add another email account, you can touch the icon 📥 on the upper left corner and select **Settings**. And then touch **Add account**.

**To create and send emails**

- Touch the icon 📥 from the Inbox screen.

- Enter recipient(s) email address(es) in the **To** field.

- If necessary, touch **Cc/Bcc** to add a copy or a blind carbon copy to the message.

- Enter the subject and the content of the message.

- Touch 📥 to add an attachment.

- If you do not want to send the mail right away, you can touch 📥 and **Save draft** or touch the **Back** key to save a copy.

- Finally, touch 📥 to send.

If you do not want to send or save the email, you can touch 📥 and then select **Discard**.

- To add a signature to your emails, touch 📥 and select **Settings**, then choose the account where you want to create or modify the signature, touch **Signature to edit**.
Google Hangouts

Google’s instant messaging service, Google Hangouts, lets you communicate with your friends whenever they are connected to this service.

To access this feature and sign in, touch from the Home screen, then touch Hangouts.

All friends added by using Google Hangouts from the Web or device will be displayed in your friends list.

4.3.1 Chatting with your friends

To start a chat, touch the name of a friend in your Friends list, then enter your message and touch . You can invite other friends to join a group chat by touching the menu icon, and select New group conversation.

4.3.2 To add a new friend

From Friends list, touch to add a new friend. Enter the name, email, number, or Circle of the friend you want to add, and if the friend is not yet on Hangouts, the system will require sending an invite by telling the friend via SMS or Gmail. A notification with this invitation will be showed in your friend’s messaging or Gmail.

If your friends invite you to a video chat or if they send you a message for the first time, you can select Decline or Reply by touching and Hangout requests.

4.3.3 To start and close a chat

Select the friend from your friends list that you would like to send a message to or start a video call. After you join Google+, you can send pictures to everyone in your Google Hangouts.

When you want to end a chat, touch the Back key from the chatting screen directly.

If you want to sign out, touch and Settings > Sign out.

4.3.4 To manage your friends

Aside from adding new friends to your friends list, the following actions are available for your choice:

- To view all friends  By default, all of your friends are displayed in your Friends list. Select the friend with whom you want to start a conversation. Touch and hold the friend to activate archive.

4.3.5 Settings

A series of settings are available for you to choose from by touching and Settings from the Friends list screen, and choose an account.

- Profile photo  Touch to set or change your Google+ profile photo.
- Share your status  Touch to set your Hangouts status.
- Hangouts messages & invites  Mark the checkbox to activate the notification type when receiving Hangouts requests.
- Video Calls  Touch to set the notification type when receiving a video call.
- Hidden contacts  Touch to view hidden contacts.
- Sign out  Touch to remove your accounts.
- Improve Hangout  Mark the checkbox to report usage data to help improve Hangouts.
- Customize invites  Decide who can directly contact and who need an invitation.
- Google+ profile  Open google+ profile via google+ or browser.
- Confirm phone number  Enter your phone number.
5 Calendar & Alarm clock & Calculator ....

5.1 Calendar

Use the Calendar to keep track of important meetings, appointments, etc. To access this function, touch Calendar from the Home screen, then touch Calendar.

5.1.1 Multimode view

You can display the Calendar in Schedule, Day, 3 Day, Week, Month view. Touch the button at the top left to change your Calendar view. Touch (1) to return to Today’s view.

(1) The icon will vary with date.

5.1.2 To create new events

You can add new events from any Calendar view.
- Touch to access a new event edit screen.
- Fill in all required information for this new event. If it is a whole-day event, you can select All-day.
- Invite guests to the event. Enter the email addresses of the guests you want to invite with commas to separate. The guests will receive an invitation from Calendar and Email.
- When finished, touch SAVE from the top right of the screen.

To quickly create an event from the Week view screens, touch an empty spot to select a target area which will then turn , and touch again to create the new event.

More important options are available by touching from the Calendar main screen:
- Search
  Search the event or schedule you added on Calendar.
- Local
  Mark the checkbox to display events, unmark the checkbox to hide them.
- Settings
  To set a series of Calendar settings.
- Help & feedback
  Touch to get some help information when come across problems with Calendar, or send feedback.

5.1.3 To delete or edit an event

To delete or edit an event, touch the event to enter its details screen, touch the icon to edit the event or touch > Delete to delete the event.

5.1.4 Event reminder

If a reminder is set for an event, the upcoming event icon will appear on the Status bar as a notification when the reminder time arrives.

Touch and drag down the status bar to open the notification panel, touch an event name to view the Calendar notification list.
5.2 Clock

Your mobile phone has a built-in clock.

To access this function, touch \( \text{Home screen} \), then touch Clock.

5.2.1 World clock

To access this function, touch \( \text{Clock} \) on the Clock screen.

According to the delivery location, the system will set a default clock.

- Touch the \( \text{icon to add a time zone.} \)

5.2.2 Alarm

To set an alarm

From the Clock screen, touch \( \text{Alarm} \) to enter the Alarm screen, touch \( \text{to add a new alarm.} \)

The following options will appear:

- **Time** Touch to set the alarm time.
- **Repeat** Mark the checkbox of Repeat and then select the days you want your alarm to go off.
- **Default Ringtone** Touch to select a ringtone for the alarm.
- **Vibrate** Mark the checkbox to activate vibration.
- **Label** Touch to set a name for the alarm.
- **Delete** Touch \( \text{to delete the alarm.} \)

To adjust alarm settings

Touch the \( \text{icon from the Alarm screen, and touch Settings,} \)

the following options can now be adjusted:

- **Style** Touch to set the clock style to Analogy or Digital.
- **Automatic home clock** Mark the checkbox to enable the function when travelling in an area where the time is different, add a clock for home.
- **Home time zone** Touch to set Home time zone.
- **Change Date & time** Touch to change Date & time settings.
- **Silence after** Touch to set a temporary turn off time for an alarm.
- **Snooze length** Touch to set the duration of alarms.
- **Alarm volume** Touch to set alarm volume.
- **Gradually increase volume** Touch to set up a time, and then the volume of alarm ringtone will increase gradually after seconds you set up.
- **Volume buttons** Touch to set side Volume up/down key behaviors when alarm sounds: Snooze, Dismiss or Do nothing.
- **Start week on** Select to start week on Saturday, Sunday, or Monday.
- **Timer ringtone** Touch to select a timer ringtone.
- **Gradually increase volume** Touch to set up a time, and then the volume of Timer ringtone will increase gradually after seconds you set up.

5.2.3 Countdown

From the Clock screen, touch \( \text{Countdown} \) to enter the Countdown screen.

Type in the desired time slot. The time should be typed in hour, minute and second number sequence.
Touch icon to activate Countdown.

Touch icon to deactivate Countdown.

Touch the icon to add a countdown time.

Touch icon to delete current countdown label.

5.2.4 Timer

From the Clock screen, touch to enter the Timer screen.

Touch to activate the timer.

Touch to show a list of records according to the updated time.

Touch to halt the total and lap times. These will only restart after is touched.

Touch to delete the record.

5.3 Calculator

With the Calculator, you can solve many mathematical problems.

To access this function, touch from the Home screen, then touch Calculator.

There are two panels available: Basic panel and Advanced panel.

To switch between panels, turn the device to the landscape mode from the basic panel to open the Advanced panel(1).

Enter a number and the arithmetic operation to be performed, enter the second number, then touch “=” to display the result. Touch to delete digits one by one, long press to delete all at one time.

(1) If Settings > Display > Auto-rotate screen > Rotate screen contents is enabled, this item will display.
Getting connected........................................

To connect to the internet with this phone, you can use 4G LTE/4G/3G/2G networks or Wi-Fi, whichever is most convenient.

6.1 Connecting to the Internet

6.1.1 4G LTE/4G/3G/2G

The first time you turn on your phone with your SIM card inserted, it will automatically configure your network service: 4G LTE/4G/3G/2G.

To check the network connection you are using, touch Settings > More > Cellular networks > Access Point Names or Network operators.

To create a new access point

A new 4G LTE/4G/3G/2G network connection can be added to your phone with the following steps:

- Then touch to enter the required APN information.
- When finished, touch the key and touch Save.

To activate/deactivate Data roaming

When roaming, you can decide to connect/disconnect to a data service.

- Touch Settings > More > Cellular networks.
- Slide the switch beside Data roaming to the right to activate roaming mode.
- When Data roaming is disabled, you can still perform data exchange with a Wi-Fi connection (refer to “6.1.2 Wi-Fi”).

6.1.2 Wi-Fi

Using Wi-Fi, you can connect to the Internet when your phone is within range of a wireless network. Wi-Fi can be used on your phone even without a SIM card inserted.

To turn Wi-Fi on and connect to a wireless network

- Touch Settings > Wi-Fi.
- Touch the switch beside Wi-Fi to turn on/off Wi-Fi.
- Turn on Wi-Fi, the detailed information of detected Wi-Fi networks is displayed in the Wi-Fi networks section.
- Touch a Wi-Fi network to connect to it. If the network you selected is secured, you are required to enter a password or other credentials (you may contact the network operator for details). When finished, touch CONNECT.

To activate notification when a new network is detected

When Wi-Fi is on and the network notification is activated, the Wi-Fi icon will appear on the status bar whenever the phone detects an available wireless network within range. The following steps activate the notification function when Wi-Fi is on:

- Touch Settings.
- Touch Wi-Fi, then touch the key and Advanced from the Wi-Fi screen.
- Slide the switch Network notification to activate/deactivate this function.

To add a Wi-Fi network

When Wi-Fi is on, you may add new Wi-Fi networks according to your preference.

- Touch Settings.
- Touch Wi-Fi, then touch the key and Add network from the Wi-Fi screen.
Enter the name of the network and any required network information.
Touch SAVE.

When successfully connected, your phone will be connected automatically the next time you are within range of this network.

To forget a Wi-Fi network
The following steps prevent automatic connections to networks which you no longer wish to use.
- Turn on Wi-Fi, if it’s not already on.
- In the Wi-Fi screen, long press the name of the saved network.
- Touch Forget network in the dialog that opens.

6.2 Chrome
Using Chrome, you can enjoy surfing the Web.
To access this function, touch Application icon from the Home screen, then touch Chrome.

6.2.1 Settings
A series of settings are available for your adjustment. To access Browser settings, touch the key from the Chrome screen, and touch Settings.

Basics
- Search engine Select the search engine you want.
- Merge tabs and apps Turn on the switch to see your tabs with other recent apps on your phone’s Overview screen.
- Autofill forms Turn on to set up text to auto-fill in web forms.
- Save Passwords Turn on to save usernames and passwords for websites.
- Home Page Select the Chrome browser’s default page.

Advanced
- Privacy Touch to configure privacy settings when browsing the web.
- Accessibility Touch to set text scaling.
- Site settings Touch to set site settings.
- Data Saver Touch to turn on or off the Data saver.
- About Chrome Touch to learn more about the Chrome information.

6.3 Connecting to Bluetooth devices
Bluetooth is a short-range wireless communication technology that you can use to exchange data, or connect to other Bluetooth devices for various uses.

To access this function, touch Settings > Bluetooth, your device and other available ones will show on the screen.

To turn on Bluetooth
- Touch Settings > Bluetooth.
- Touch to activate/deactivate this function.

To make your phone more recognizable, you can change your phone’s name which is visible to others.
- Touch Settings > Bluetooth.
- Touch the icon and Rename this device.
- Enter a name, and touch RENAME to confirm.

(1) You are recommended to use Alcatel Bluetooth headsets, which have been tested and proved compatible with your phone. You can go to www.alcatelonetouch.com for more information about the Alcatel Bluetooth headset.
To pair/connect your phone with a Bluetooth device

To exchange data with another device, you need to turn Bluetooth on and pair your phone with the Bluetooth device with which you want to exchange data.

- Touch Settings > Bluetooth.
- Touch and Refresh.
- Touch a Bluetooth device you want to be paired with in the list.
- A dialog will pop up, touch PAIR to confirm.
- If the pairing is successful, your phone connects to the device.

To disconnect/unpair from a Bluetooth device

- Touch the Settings icon beside the device you want to unpair.
- Touch FORGET to confirm.

6.4 Connecting to a computer

With the USB cable, you can transfer media files and other files between your internal storage and a computer.

To connect your phone to the computer:

To connect:
- Use the USB cable that came with your phone to connect the phone to a USB port on your computer. You will receive a notification that the USB is connected.
- Open the Notification panel and touch Transfer files, then, in the next dialog, choose the way in which you want to transfer files.

Before using MTP, make sure that the driver (Windows Media Player 11 or higher version) has been installed.

6.5 Sharing your phone's mobile data connection

You can share your phone's mobile data connection with a single computer via a USB cable (USB tethering) or with up to eight devices at once by turning your phone into a portable Wi-Fi hotspot.

The functions below may incur additional network charges from your network operator. Extra fees may also be charged in roaming areas.

To share your phone's data connection via USB

Use the USB cable that come with your phone to connect the phone to a USB port on your computer.
- Touch Settings > More > Mobile Hotspot and Tethering.
- Toggle the switch of USB tethering to activate/deactivate this function.

To rename or secure your portable hotspot

When a Portable Wi-Fi hotspot is activated, you can change the name of your phone's Wi-Fi network (SSID) and secure its Wi-Fi network.
- Touch Settings > More > Mobile Hotspot and Tethering.
- Touch Mobile Hotspot settings to change the network SSID or set your network security.
- Touch SAVE.

6.6 Connecting to virtual private networks

Virtual private networks (VPNs) allow you to connect to the resources inside a secured local network from outside that network. VPNs are commonly deployed by corporations, schools, and other institutions so that their users can access local network resources when not inside that network, or when connected to a wireless network.

To locate the data you have transferred or downloaded in internal storage, touch Files. All data you have downloaded is stored in Files, where you can view media files (videos, photos, music and others), rename files, install applications into your phone, etc.
**To add a VPN**
- Touch Settings > More > VPN and then touch +.
- In the screen that opens, follow the instructions from your network administrator to configure each component of the VPN settings.
- Touch SAVE.

The VPN is added to the list on the VPN settings screen.

Before adding a VPN, you should set a PIN code or password for your phone.

**To connect/disconnect VPN**

To connect to a VPN:
- Touch Settings > More > VPN.
- VPNS you have added are listed; touch the VPN you want to connect with.
- In the dialog that opens, enter any requested credentials and touch CONNECT.

To disconnect:
- Open the Notification panel and touch the resulting notification for the VPN disconnection.

**To edit/delete a VPN**

To edit a VPN:
- Touch Settings > More > VPN settings.
- Touch beside the VPN.
- Edit the information, after finishing, touch SAVE.

To delete:
- Long press the VPN you want to delete, in the dialog that opens, touch Delete profile.

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**Google Play Store**

Google Play Store is an online software store, where you can download and install applications and games to your Android Powered Phone.

To open Google Play Store:
- Touch from the Home screen, then touch Play Store.
- The first time you access Google Play Store, a screen with terms of service pops up for your attention. Touch the Menu key then touch Help to enter the Google Play Store help page for more information on this function.

**7.1 Locate the item you want to download and install**

The Google Play Store home page provides several ways to find applications. It showcases applications and games in categorized listings.

Touch the icon at the top left corner and My apps & games to see all your downloads.

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(1) Depending on your country and operator.
Touch a category on Google Play Store screen to browse its contents. You can also select a subcategory if there is any. Within each category you can select to view items sorted by Top free, Top new free and Trending, etc.

Slide left and right to see all categories.

Touch to search in Play Store.

Touch the Google Play Store icon on the top left of the screen or touch the Back key to return to the previous screen.

7.2 Download and install

To download & install:

- Navigate to the item you want to download, and select to enter the details screen from which you can read its description, overall rating or comments, view developer’s information, etc.
- Touch Install to preview the functions and data the application can access on your phone if you install it.
- Touch Accept.
- The progress of the download will show on the details screen, touch to stop downloading the item. You can also access this screen through the Notification panel.
- After download and installation have finished, you will see a notification icon on the status bar.

Be especially cautious with applications that have access to many functions or to a significant amount of your data. Once you accept, you are responsible for the results of using this item on your phone.

To open the application you have downloaded:

- Touch the installed application in the list, then touch Open.

To buy an application(1)

On Google Play Store, some applications are labelled as free, while some of them are to be paid for before downloading and installing:

- Touch the application you want to buy.
- Touch the price on the upper-right of the screen to preview the functions and data the application can access on your phone if you install it.
- Touch Continue to confirm.
- When making your first purchase, you are required to input your credit card information and to log into the Google payment and billing service.
- If your account has multiple credit card accounts, select one to proceed.
- Select the Terms of service link and read the document. When finished, touch the Back key.
- Mark the checkbox if you agree with the terms of service.
- Touch the Buy now at the bottom of the screen.

When finished, Android downloads the application.

To request a refund

If you are not satisfied with the application, you can ask for a refund within 15 minutes of the purchase. Your credit card will not be charged and the application will be removed. If you change your mind, you can install the application again, but you will not be able to request a refund.

(1) Google Paid applications may not be available to users in some countries.
• Touch and My apps & games from the Google Play Store screen.
• Touch the application that you want to uninstall and refund.
• Touch Refund to uninstall the application and refund. If the button becomes Uninstall, your trial period has expired.
• In the survey form, select the answer that best matches your reason, and touch OK.

7.3 Manage your downloads

After you have downloaded and installed an application, the following further operations are available for your selection.

View
On the Google Play Store screen, touch and My apps & games.

Uninstall
On the Google Play Store screen, touch and My apps & games. Touch the application you want to uninstall to enter the details screen, touch Uninstall, and finally touch OK to confirm.

Refund
On the Google Play Store screen, touch and My apps & games. Touch the application you want to uninstall for a refund, touch Refund, and finally touch OK to confirm.

Auto update
Touch and Settings > Auto-update apps to enable this function. To auto update one specific application, mark the checkbox of Do not auto-update apps, Auto-Update apps at any time, or Auto-update apps over Wi-Fi only from the details screen.

Rate and review
Open the details screen for an application, touch the stars ★★★★★ under Rate this app to award and input comments, touch OK to confirm.

Flag
You can report an inappropriate application to the Google Play Store by flagging it. Open the details screen for the application, scroll to the bottom and touch Flag as inappropriate, enter the reason and finally touch Submit.
8 Multimedia applications

8.1 Camera/Camcorder

Your mobile phone is fitted with a Camera and a Camcorder for taking photos and shooting videos. Before using the Camera or Camcorder, be sure to remove the protective lens cover to avoid it affecting your picture quality.

To access this function, touch 🎥 from the Home screen and then touch Camera.

- Touch to select modes and settings
- Double touch then drag or pinch/spread two fingers together to zoom in/out
- Touch to switch between front/back camera
- Touch to take a picture, or record a video
- Touch to switch to Video mode
- Touch to select flash mode
- Touch the screen to set a focus
- Touch to switch between front/back camera
- Touch to switch between front/back camera
- Touch to select flash mode
- Touch the screen to set a focus
- Touch to switch between front/back camera
- Touch to select flash mode
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- Touch to switch between front/back camera
- Touch to select flash mode
- Touch the screen to set a focus
- Touch to switch between front/back camera
- Touch to select flash mode

8.1.1 Settings in framing mode

Before taking a photo/shooting a video, touch the icon to adjust a number of settings in framing mode.

**Back camera shooting mode**

Touch 🎥 to access camera settings and the following options will be available:

- **Auto mode**
  - Touch to turn on Auto mode.
- **HDR**
  - Touch to turn on HDR (high-dynamic range) function. HDR photos can better reflect the visual effects people have in the real environment by synthesizing images under different exposure time. The phone will then automatically save the photo.

**To shoot a video**

Switch Camera mode to Video mode. First, position the object or landscape in the viewfinder and touch the icon to start recording. Touch the icon again to stop recording. The video will be automatically saved.

**Further operations when viewing a picture/video you have taken**

- Slide left to quick view the picture you taken.
- Touch the icon to return to the Camera or Camcorder.
- Touch the icon to access the Gallery.
- Touch : to enter more options.
- Touch 📄 to edit picture.
- Touch the icon then Gmail, Bluetooth, MMS, etc to share the photo or video you have taken.
- Touch to delete the picture.

To take a picture

The screen acts as the viewfinder. First, position the object or landscape in the viewfinder, touch the screen to focus if necessary and touch the icon to take the picture which will be automatically saved.
· Pano
   Turn on the panorama function. Touch the shutter button to start taking panoramic photo and move the phone steadily along the direction indicated by the onscreen line.

· Scanner
   Touch to scan QR codes.

· Face beauty
   Turn on Face beauty mode.

Settings

Photo
· Size
   Touch to select picture size.

· Timer
   Touch to select timer.

· GPS tagging
   Switch the toggle to activate/deactivate the function of tagging photos and videos with your location. This option is available when GPS location services and wireless network are switched on.

· Shutter sound
   Switch the toggle to enable/disable shutter sound when taking a photo.

· Grid
   Switch the toggle to enable/disable grid view. It divides the screen into equal parts and helps you take better photos by making it simple to align compositional elements to the grid, such as the horizon or buildings to the lines in the grid.

· Exposure
   Touch to select the exposure time.

Video
· Video quality
   Touch to select video progressive scan output and definition.

· Sound recording
   Switch the toggle to enable/disable recording videos with sound.

You can also reset the camera settings to factory default by touching the red button at the very bottom of the screen.

8.2 Gallery

Gallery acts as a media player for you to view photos and playback videos. In addition, a set of further operations to pictures and videos are available for your choice.

To access this function, touch 📀 from the Home screen, then touch Gallery.

To view a picture/play a video
Pictures and videos are displayed by albums in the Gallery.
• Touch an album and all pictures or videos will spread across the screen.
• Touch the picture/video directly to view or play it.
• Slide left/right to view previous or next pictures/videos.

**Working with pictures**

Gallery provides a multi-select function, so that you can work with pictures/videos in batches.

You can touch one album, then slide left or right to view the pictures.

Touch a picture you want to work on, touch the icon to delete a selected one. Touch to share selected ones.

Touch the icon to access more options.

Touch to edit the picture.

**Batch operation**

The Gallery provides a multi-select function, so that you can work with pictures/videos in batches.

Open the main Gallery window or an album, touch and touch Select item to activate batch operation mode (you can also touch and hold one album/picture), then touch videos/pictures you want to work on. Touch the icon to delete selected files. Touch to share selected files.

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**8.3 YouTube**

YouTube is an online video-sharing service where the user can download, share and view videos. It supports a streaming function that allows you to start watching videos almost as soon as they begin downloading from the Internet.

To access this function, touch from the Home screen, then touch YouTube.

As an online video service, your phone must have a network connection to access YouTube.

By touching the Menu key from the YouTube screen, you can set General settings for YouTube. For details about these features, visit the YouTube website: www.YouTube.com.

**8.3.1 Watch videos**

Touch a video to play it. In the Playing screen, you can view information and comments of the video and also access related ones. You can also rate, share, label as favorites, create a new playlist, etc. from this screen.

To exit the video playing screen, touch the Back key to return to the video list.
9 Google Maps.................................

9.1 Get My Location
9.1.1 Choose a data source to identify My Location
Touch Settings > Location and then touch the switch .
There are 3 modes to choose from to determine the location: High accuracy, Battery saving and Device only.

9.1.2 Open Google Maps and view My Location
Touch  from the Home screen, then touch Maps.
Touch the icon on the map to view My Location.
The map will then center on a blue dot surrounded by a blue circle. Your actual position is within the blue circle.

To move the map, drag it with your finger.

9.2 Search for a location
While viewing a map, touch Google at the top search box to activate the search function.
In the search box, enter an address, a city or a local business.
Touch and in a while your search results will appear on the map as red dots. You can touch one to show a label.

9.3 Get driving, public transport or walking directions
9.3.1 Get suggested routes for your trip
Touch the icon from the Maps screen.

To zoom in and out of a map, pinch or spread your fingers, or you can also zoom in by double-tapping a location on screen.
9.4 Share a location

- Press and hold a location on a map.
- Touch the information at the bottom then touch the icon 🈲 to share the location.

- Touch the enter bar to edit your start point by one of the following methods: entering an address or using My Location.
- Do likewise for your end point.
- To reverse directions, touch the icon 🔄.
- Then select a transport mode: driving by car, using public transport, or walking directions.
- A couple of suggested routes will appear in a list. Touch any routes to view their respective detailed directions.
10 Others

10.1 Files

To access this function, touch  from the Home screen, then touch Files.

Files works with both external SD card and internal storage.

Files displays all data stored on the phone, including applications, media files downloaded from Google Play Store, YouTube or other locations; videos, pictures or audios you have captured; other data transferred via Bluetooth, USB cable, etc.

When you download an application from PC to phone, you can locate the application using File Manager, then touch it to install it in your phone.

Files allows you to perform and become efficient with the following common operations: create (sub) folder, open folder/file, view, rename, move, copy, delete, play, share, etc.

10.2 Sound Recorder

To access this function, touch  from the Home screen, then touch Sound Recorder.

Sound Recorder allows you to record voice/sound for seconds/hours.

10.3 Radio

Your phone is equipped with a radio\(^1\) with RDS\(^2\) functionality. You can use the application as a traditional radio with saved channels or with parallel visual information related to the radio program on the display if you tune to stations that offer Visual Radio service.

To access this function, touch  from the Home screen, then touch Radio.

To use it, you must plug in your headset, which works as an antenna connected with your phone.

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\(^1\) The quality of the radio depends on the coverage of the radio station in that particular area.

\(^2\) Depending on your network operator and market.
Available options:

- **Save channels**  
  Save the current tuned station to the channels list. This menu will disappear if the channel has been saved.

- **Scan channels**  
  Touch to search for channels.

- **Delete**  
  Delete the channel

- **Enter frequency**  
  Enter the frequency manually.

- **Station Info**  
  Mark the checkbox to receive station information.

- **Exit**  
  Turn off the radio.

### Other applications

The previous applications in this section are preinstalled on your phone. To read a brief introduction of the preinstalled 3rd party applications, refer to the leaflet provided with the phone. You can also download thousands of 3rd party applications by going to Google Play Store on your phone.

### Settings

To access this function, touch 📋 from the Home screen, then touch Settings.

#### 11.1 Wireless & network

##### 11.1.1 Wi-Fi

Using Wi-Fi you can now surf the Internet without using your SIM card whenever you are in range of a wireless network. The only thing you have to do is to enter the Wi-Fi screen and configure an access point to connect your phone to the wireless network.

For detailed instructions on using Wi-Fi, refer to “6.1.2 Wi-Fi”.

##### 11.1.2 Bluetooth

Bluetooth allows your phone to exchange data (videos, images, music, etc.) within a small range with another Bluetooth supported device (phone, computer, printer, headset, car kit, etc.).

For more information on Bluetooth, refer to “6.3 Connecting to Bluetooth devices”.

#### 11.1.3 Data usage

**Cellular data**

If you do not need to transmit data on all mobile networks, turn off Cellular data to avoid incurring significant charges for data use on local operator mobile networks, particularly if you do not have a mobile data agreement.

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(1) Application availability depends on country and operator.
Set cellular data limit

By touching the Set cellular data limit switch, your mobile data connection will be disabled when your specified limit is reached. You can also choose a data usage cycle to view the statistics and applications related to the data use of your phone.

Data usage is measured by your phone, and your operator may count differently. Consider using a conservative limit.

11.1.4 More > Airplane mode

Touch the switch of Airplane mode to simultaneously disable all wireless connections including Wi-Fi, Bluetooth and more.

11.1.5 More > Wi-Fi calling settings

Touch to set Wi-Fi calling.

11.1.6 More > Mobile Hotspot and Tethering

This function allows you to share your phone's mobile data connection via USB or as a portable Wi-Fi access point (refer to “6.5 Sharing your phone’s mobile data connection”).

11.1.7 More > VPN

A mobile virtual private network (mobile VPN or mVPN) provides mobile devices with access to network resources and software applications on their home network, when they connect via other wireless or wired networks. Mobile VPNs are used in environments where workers need to keep application sessions open at all times, throughout the working day, as the user connects via various wireless networks, encounters gaps in coverage, or suspends-and-resumes their devices to preserve battery life. A conventional VPN can’t survive such events because the network tunnel is disrupted, causing applications to disconnect, time out, fail, or even the computing device itself to crash. For more information on VPN, refer to “6.6 Connecting to virtual private networks”.

11.1.8 More > Cellular networks

Mobile Data

Turn on the switch to allow data usage.

Data roaming

If you don’t need to transmit data on other operators’ mobile networks, disable Data roaming to avoid incurring significant roaming charges.

Show roaming reminder

Touch to show roaming reminder frequency.

Preferred network type

You can set your preferred network mode, such as LTE/4G/3G/2G etc.

Access Point Names

You can select APN types or add new APN.

Network operators

You can select a network operator.

11.1.9 More > Wireless emergency alerts

Touch to set wireless emergency alerts.
11.2 Device

11.2.1 Display

- Brightness level: Touch to set the level of brightness.
- Adaptive brightness: Turn on the switch to enable automatic adjustment of the screen brightness.
- Wallpaper: Touch to set the wallpaper.
- Screen mode: Touch to set color temperature and color saturation.
- Sleep: Touch to set screen timeout.
- Press Power key twice for Camera: Turn on the switch to quickly open the camera by pressing power key twice when screen locked or unlocked.
- Daydream: Touch to set the Daydream.
- Font size: Touch to set the font size.
- Auto-rotate screen: Touch to set whether rotate the contents of the screen or stay in portrait view.

11.2.2 Lock screen

Func shortcuts

After Func is activated, a couple of APK shortcuts will be displayed on your lock screen.

Screen lock

- None: Touch to disable screen unlock security.
- Swipe: Touch to enable slide unlock mode.
- Pattern: Touch to draw a pattern to unlock screen.
- PIN: Touch to enter a numeric PIN to unlock screen.
- Password: Touch to enter a password to unlock screen.

Lock screen message

Type the message content, when saved, it will display in the lock screen.

Smart Lock

You must set a screen lock first when you enable this function.

11.2.3 Sound & notification

Use the Sound settings to configure many aspects of call and notification ringtones, music, and other audio settings.
• Sound
  Touch to set volume for Media, Ringtone, Notifications and Alarm.

• Headset mode
  Turn on the switch to enable headset mode. Ringtones will only be heard
  from the headset if it is plugged in.

• Also vibrate for calls
  Turn on the switch to enable headset mode. Ringtones will only be heard
  from the headset if it is plugged in.

• Do Not Disturb
  Touch to set whether interrupt and priority interruptions.

• Phone ringtone
  Touch to set your incoming call ringtone.

• Default notification ringtone
  Touch to set the default sound for notifications.

• Other sounds
  Touch to set dial pad tones, screen locking sounds, touch sounds and vibrate
  on touch.

• When device is locked
  Touch to show all notification content or don’t show notification at all.

• App notifications
  Touch to set block and priority for app notifications.

• Notification access
  Touch to view the notification listeners.

• Do Not Disturb access
  Touch to check apps requested Do Not Disturb access.

• Power on & off ringtone
  Slide the switch to power on & off ringtone.

11.2.4 LED indicator
  Touch to turn on/off the LED indicator.

11.2.5 Apps
Use the Manage applications settings to view details about the applications installed on your phone,
to manage their data and force them to stop, and to set whether you want to permit installation of
applications that you obtain from websites and emails.

11.2.6 Storage & USB
Use these settings to monitor the total and available space on your phone and microSD card; and to
manage your microSD card.

11.2.7 Battery
Touch any category in the battery management screen to view its power consumption.
You can adjust power use via the screen brightness or screen timeout settings in the Display screen. You can also set your phone to saving mode.

11.2.8 Memory
Open this setting to monitor your total memory, available space, and memory usage data.

11.3 Personal
11.3.1 Gestures
The device allows you to select the following gestures:

  • Turn over to mute
    Turn on the switch to mute ringtones such as alarms, incoming calls etc. by turning the phone over.

  • Unlock
    Slide the switch to light the screen on or off by double-touching the screen.
11.3.2 Location

On
Touch the switch to enable the use of information from Wi-Fi and mobile networks to determine your approximate location for use in Google Maps, when you search, and so on. When you select this option, you’re asked whether you consent to share your location anonymously with Google’s location service.

Mode
Touch to select High accuracy, Battery saving or Device only mode.
- High accuracy: Use GPS, Wi-Fi, Bluetooth, or mobile network to determine location.
- Battery saving: Use Wi-Fi, Bluetooth, or mobile network to determine location.
- Device only: Use GPS to determine location.

Recent location requests
In the list, it will show recent location requests.

Location services
- Google Location History: Touch to view Google location history.

11.3.3 Security

Encrypt phone
Require a numeric PIN or passwords to decrypt your phone each time you power it on.

Set up SIM card lock
Turn on Lock SIM card switch to lock the SIM card with PIN code.
Touch Change SIM PIN to change the PIN code.

Make passwords visible
Turn on the switch to show passwords as you type.

Device administrators
Touch to view or deactivate device administrators.

Unknown sources
Turn on the switch to permit installation of applications that you obtain from websites, emails, or other locations other than Google Play Store.
To protect your phone and personal data, download applications only from trusted sources, such as Google Play Store.

Storage type
Your storage type set to Hardware-backed by default

Trusted credentials
Touch to display trusted CA certificates.

Install from storage
Touch to install certificates from storage.

Clear credentials
Touch to remove all certificates.

Trusted agents
Open the setting to view and deactivate trusted agents. You must set a screen lock first when you enable this function.
Screen pinning
Turn on the switch, you can always keep a screen in view until you unpin. Open the screen you want to pin, touch the Overview key, swipe up the screen and then touch the pin icon. To unpin it, long press the Back key.

App with usage access
Open the menu to view or reset your app usage access.

11.3.4 Accounts
Use the settings to add, remove, and manage your email and other supported accounts. You can also use these settings to control how and whether all applications send, receive, and synchronize data on their own schedules, and whether all applications can synchronize user data automatically.

Add account
Touch the Add account icon to add an account for selected app.

11.3.5 Language & input
Use the Language & input settings to select the language for the text on your phone and for configuring the onscreen keyboard. You can also configure voice input settings and the pointer speed.

Language
Touch to select the language and the region you want.

Spell checker
Mark the checkbox to enable the system to show suggested words.

Personal dictionary
Touch to open a list of the words you’ve added to the dictionary. Touch a word to edit or delete it. Touch the add button (+) to add a word.

Current Keyboard
Touch to select a default input method.

Android Keyboard
Set the following Android Keyboard functions:
Languages, Preferences, Appearance & layouts, Text correction, Advanced.

Google Keyboard
Open the menus to set your Google language, typing preference, appearance & layouts, gesture typing, text correction, etc.

Swype Keyboard
International keyboard.

Google voice typing
Touch the menu header and finish Google voice typing settings in the screen that opens.

Text-to-speech output
- Preferred engine: Touch to choose a Preferred text-to-speech engine, touch the settings icon to show more choices for each engine.
- Speech rate: Touch to open a dialog where you can select how quickly you want the synthesizer to speak.
- Pitch: Adjust the tone of the spoken text.
- Listen to an example: Touch to play a brief sample of the speech synthesizer, using your current settings.

Pointer speed
Touch to open a dialog where you can change the pointer speed, touch OK to confirm.

11.3.6 Google
This phone offers you Google account and services setting options.
11.3.7 Backup & reset

Back up my data
Touch the switch to back up your phone’s settings and other application data to Google Servers, with your Google Account. If you replace your phone, the settings and data you’ve backed up are restored onto the new phone for the first time you sign in with your Google Account. If you mark this option, a wide variety of settings and data are backed up, including your Wi-Fi passwords, bookmarks, a list of the applications you’ve installed, the words you’ve added to the dictionary used by the onscreen keyboard, and most of the settings that you configure with the Settings application. If you unmark this option, you stop backing up your settings, and any existing backups are deleted from Google Servers.

Back up account
Touch to back up your account.

Automatic restore
Touch the switch to restore your backed up settings or other data when you reinstall an application.

Network settings reset
Touch button to reset all network settings.

Factory data reset
Erase all of your personal data from internal phone storage, including information about your Google Account, any other accounts, your system and application settings, and any downloaded applications. Resetting the phone does not erase any system software updates you’ve downloaded. If you reset the phone in this way, you’re prompted to re-enter the same kind of information as when you first started Android.

When you are unable to power on your phone, there is another way to perform a factory data reset by using hardware keys. Press the Volume up key and the Power key at the same time until the screen lights up.

11.4 System

11.4.1 Date & time
Use Date & time settings to customize your preferences for how date and time are displayed.

Automatic date & time
Turn on the switch to use the network-provided date and time. Unmark to set all values manually.

Automatic time zone
Turn on the switch to use the network-provided time zone. Unmark to set all values manually.

Set date
Touch to open a dialog where you can manually set the phone’s date.

Set time
Touch to open a dialog where you can manually set the phone’s time.

Select time zone
Touch to open a dialog where you can set the phone’s time zone.

Use 24-hour format
Turn on the switch to display the time using the 24-hour clock format.

11.4.2 Accessibility
Use the Accessibility settings to configure any accessibility plug-ins you have installed on your phone.
Captions
Touch to activate/deactivate captions for phone screen.

Magnification gestures
Touch to turn on/off to activate/deactivate zoom in/out function by triple-tapping the screen.

High contrast text
Mark the checkbox to activate high contrast text.

Speak passwords
Mark the checkbox to speak passwords while typing.

Accessibility shortcut
Touch to turn on/off to enable/disable accessibility features.

Touch & hold delay
Touch to adjust the duration of touch and hold delay. This function enables your phone to differ touch and touch & hold, which may avoid incorrect operations.

Color inversion
Touch the switch to turn on/off color inversion.

Color correction
Touch to turn on/off color correction.

11.4.3 Regulatory & safety
Touch to view product information.

11.4.4 About phone
This contains information about things ranging from Legal information, Model number, Baseband version, Kernel version, Build number to those listed below:

Updates
Touch to check for system updates.

Status
This contains the status of the Battery status, Battery level, My phone number, Network, Signal strength, etc.

Legal information
Touch to view legal information.
You can download software upgrades for free from the website (www.alcatelonetouch.com).

### 12.1 Upgrade

You can use the Over-the-air Upgrade tool to update your phone’s software.

#### 12.1.1 Over-the-air Upgrade

Using the Over-the-air Upgrade tool you can update your phone’s software.

To access **System updates**, touch **Settings > About phone > Updates**. Or you can touch icon to open the applications list, then touch **Updates**. When there is a new version can be updated, one indicator will be shown on **Updates** menu. If you want to update the system, touch **Download**, after it is done please touch **Install** to complete the upgrade. Now your phone’s software will be the latest version.

You should turn on data connection before searching for updates. Settings for auto-check intervals is also available once you restart the phone.

If you have chosen auto-check, when the system discovers the new version, dialog will pop up to choose download or ignore, the notification also will show in status bar.
TCL Communication Ltd. warrants to the original retail purchaser of this wireless device that should this product or part thereof during normal consumer usage and condition be proven to be defective in material or workmanship that results in product failure within the first twelve (12) months from the date of purchase as shown on your original sales receipt from an authorized sales agent. 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). Batteries, power adapters, and other accessories sold as in box items are also warranted against defects and workmanship that results in product failure within the first twelve (12) month period from the date of purchase. This warranty extends to products purchased and sold within the United States.

The limited warranty for your wireless device will be voided if any of the following conditions occur:

- Non-compliance with the instructions for use or installation, or with technical and safety standards applicable in the geographical area where your phone is used;
- Connection to any equipment not supplied or not recommended by TCL Communication Ltd.;
- Modification or repair performed by individuals not authorized by TCL Communication Ltd. or its affiliates;
- Changes to the device operating system by the user or third party applications;
- Acts of god such as inclement weather, lightning, power surges, fire, humidity, infiltration of liquids or foods, chemical products, download of files, crash, high voltage, corrosion, oxidation;
- Removal or altering of the wireless device’s event labels or serial numbers (IMEI);
- Damage from exposure to water or other liquids, moisture, humidity, excessive temperatures or extreme environmental conditions, sand, excess dust and any condition outside the operating guidelines;
- Rooted devices;
- Damage as result of physical abuse regardless of cause.

There are no express warranties, whether written, oral or implied, other than this printed limited warranty or the mandatory warranty provided by your jurisdiction. In no event shall TCL Communication Ltd. or any of its affiliates be liable for incidental or consequential damages of any nature whatsoever, including but not limited to commercial loss, to the full extent those damages can be disclaimer by law. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you.

How to obtain Support: Contact the customer care center by calling (855-368-0829) or going to (http://www.alcatelonetouch.us). We have placed many self-help tools that may help you to isolate the problem and eliminate the need to send your wireless device in for service. In the case that your wireless device is no longer covered by this limited warranty due to time or condition, you may utilize our out of warranty repair options.

Electronic Recycling:
For more information on Electronic Recycling, please:

1) Visit Alcatel Electronic Recycling Program website at www.alcatelonetouch.us/electronic-recycling-program, or
Before contacting the service center, follow the instructions below:

- You are advised to fully charge the battery for optimal operation.
- Avoid storing large amounts of data in your phone as this may affect its performance.
- Use Factory data reset and the upgrade tool to perform phone formatting or software upgrading. ALL Users phone data: contacts, photos, messages and files, downloaded applications will be lost permanently. It is strongly advised to fully backup the phone data and profile before doing formatting and upgrading.

Carry out the following checks:

**My phone is frozen or cannot be switched on**
- Check the battery power level, charge for at least 20 minutes.
- If it still does not work, please reset the phone using the Power key and the Volume up key.

**My phone has not responded for several minutes**
- Restart your phone by pressing and holding the Power key.

**My phone turns off by itself**
- Check that your screen is locked when you are not using your phone, and make sure the Power key is not mis-contacted due to unlocked screen.
- Check the battery charge level.

**My phone cannot charge properly**
- Make sure that your battery is not completely discharged; if the battery power is empty for a long time, it may take around 20 minutes to display the battery charger indicator on the screen.
- Make sure charging is carried out under normal conditions (0°C (32°F) to +40°C (104°F)).
- When abroad, check that the voltage input is compatible.

**My phone cannot connect to a network or “No service” is displayed**
- Try connecting at a later time if the network is overloaded.

**My phone cannot connect to the Internet**
- Check that the IMEI number (press *#06#) is the same as the one printed on your warranty card or box.
- Make sure that the internet access service of your SIM card is available.
- Check your phone’s Internet connecting settings.
- Make sure you are in a place with network coverage.
- Try connecting at a later time or another location.

**Invalid SIM card**
- Make sure the SIM card has been correctly inserted (see “Inserting or removing the SIM card”).
- Make sure the chip on your SIM card is not damaged or scratched.
- Make sure the service of your SIM card is available.

**Unable to make outgoing calls**
- Make sure you have dialed a valid number and have touched the green call key.
- For international calls, check the country and area codes.
- Make sure your phone is connected to a network, and the network is not overloaded or unavailable.
- Check your subscription status with your service provider (credit, SIM card valid, etc.).
- Make sure you have not barred outgoing calls.
- Make sure that your phone is not in airplane mode.

**Unable to receive incoming calls**
- Make sure your phone is switched on and connected to a network (check for overloaded or unavailable network).
- Check your subscription status with your service provider (credit, SIM card valid, etc.).
- Make sure you have not forwarded incoming calls.
- Make sure that you have not barred certain calls.
- Make sure that your phone is not in airplane mode.

**The caller's name/number does not appear when a call is received**
- Check that you have subscribed to this service with your service provider.
- Your caller has concealed his/her name or number.
I cannot find my contacts
- Make sure your SIM card is not broken.
- Make sure your SIM card is inserted properly.
- Import all contacts stored in SIM card to phone.

The sound quality of the calls is poor
- You can adjust the volume during a call by pressing the Volume Up/Down key.
- Check the network strength.
- Make sure that the receiver, connector or speaker on your phone is clean.

I am unable to use the features described in the manual
- Check with your service provider to make sure that your subscription includes this service.
- Make sure this feature does not require an Alcatel accessory.

When I select a number from my contacts, the number cannot be dialed
- Make sure that you have correctly recorded the number in your file.
- Make sure that you have selected the country prefix when calling a foreign country.

I am unable to add a contact in my contacts
- Make sure that your SIM card contacts are not full; delete some files or save the files in the phone contacts.

My callers are unable to leave messages on my voicemail
- Contact your service provider to check service availability.

I cannot access my voicemail
- Make sure your service provider’s voicemail number is correctly entered in "Voicemail number".
- Try later if the network is busy.

I am unable to send and receive MMS
- Check your phone memory availability as it might be full.
- Contact your service provider to check service availability and check MMS parameters.
- Verify the server center number or your MMS profile with your service provider.
- The server center may be swamped, try again later.

SIM card PIN locked
- Contact your service provider to obtain the PUK code (Personal Unblocking Key).

I am unable to connect my phone to my computer
- Check that your USB driver is installed properly.
- Check that you have marked the checkbox of USB debugging in USB connection options.
- Make sure that you’re using the right cable from the box.

I am unable to download new files
- Make sure there is sufficient phone memory for your download.
- Check your subscription status with your service provider.

The phone cannot be detected by others via Bluetooth
- Make sure that Bluetooth is turned on and your phone is visible to other users.
- Make sure that the two phones are within Bluetooth’s detection range.

How to make your battery last longer
- Make sure you follow the complete charge time (minimum 2.5 hours).
- After a partial charge, the battery level indicator may not be exact. Wait for at least 20 minutes after removing the charger to obtain an exact indication.
- Switch on the backlight upon request.
- Extend the email auto-check interval for as long as possible.
- Update news and weather information on manual demand, or increase their auto-check interval.
- Exit background-running applications if they are not being used for a long time.
- Deactivate Bluetooth, Wi-Fi, or GPS when not in use.

The phone will become warm following prolonged calls, game playing, internet surfing or running other complex applications.
- This heating is a normal consequence of the CPU handling excessive data. Ending above actions will make your phone return to normal temperatures.
Safety and Use

We recommend that you read this chapter carefully before using your phone. The manufacturer disclaims any liability for damage, which may result as a consequence of improper use or use contrary to the instructions contained herein.

EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and sends out radio frequency (RF) signals. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

1: American National Standards Institute.
3: International Commission on Nonionizing Radiation Protection.

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C951).

The design of your phone complies with the FCC guidelines (and those standards).

WARNING: Failure to follow these instructions may lead to serious personal injury and possible property damage.

Driving Safety

Talking on the phone while driving is extremely dangerous and is illegal in some states. Remember, safety comes first. Check the laws and regulations on the use of phones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving. Driving safely is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call, if driving conditions so require.

If you must use the phone while driving, please use one-touch, speed dialing, and auto answer modes. An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the airbag or in the airbag deployment area. If in-vehicle wireless equipment is improperly installed and the airbag inflates, serious injury could result.

Electronic Devices

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and sends out radio frequency (RF) signals. Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Therefore, use of your phone must be restricted in certain situations.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6”) inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Always keep the phone more than six inches from your pacemaker when the phone is turned on.
- Do not carry the phone in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.

If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Turn your phone OFF in healthcare facilities when any regulations posted in these areas instruct you to do so. Hospitals or healthcare facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer of your vehicle or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF where posted notices so require.

Other Safety Guidelines

Aircraft

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft. Always request and obtain prior consent and approval of an authorized airline representative before using your phone aboard an aircraft.

Always follow the instructions of the airline representative whenever using your phone aboard an aircraft, to prevent any possible interference with airborne electronic equipment.
WARNING! READ THIS INFORMATION BEFORE USING

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

BODY-WORN OPERATION

This device was tested for typical body-worn operations with the back of the phone kept 1 cm from the body. To maintain compliance requirements, use only belt-clips, holsters or similar accessories that maintain a 1 cm separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in their assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. For more information about RF exposure, please visit the FCC website at http://www.fcc.gov

For more information about RF exposure, please visit the FCC website at http://www.fcc.gov

For this device, the highest reported SAR value for usage near the body is:

- Alcatel 5056N (Body-worn) 1.15 W/kg

<table>
<thead>
<tr>
<th>Maximum SAR for this model and conditions under which it was recorded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcatel 5056N (Body-worn)</td>
</tr>
</tbody>
</table>

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.ctia.org.

* In the United States 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 measurements.

SAR INFORMATION FOR FCC RF EXPOSURE

SAFETY INFORMATION FOR FCC RF EXPOSURE

PRECAUTIONS

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating, read all instructions and cautionary markings on (1) USB AC Adapter (2) Battery. Failure to follow the directions below could result in serious bodily injury and/or property damage due to battery liquid leakage, fire or rupture.

• DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.
• DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using, lay down the unit to avoid possible damage due to instability.
• DO NOT expose this equipment to rain or spilled beverages.
• DO NOT use unauthorized accessories.
• DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized cellular service center. If unit is disassembled, the risk of electric shock or fire may result.
• DO NOT short-circuit the battery terminals with metal items etc.

CAUTIONS

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The 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 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 0.62 W/kg and when worn on the body is 1.15 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various cellphones and at various positions, they all meet the government requirement for RF exposure.

For body-worn operation, the cellphone meets FCC RF exposure guidelines provided that it is used with a non-metallic accessory with the handset at least 15 mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov after searching on JYCBLADE.

For this device, the highest reported SAR value for usage near the body is:

<table>
<thead>
<tr>
<th>Maximum SAR for this model and conditions under which it was recorded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcatel 5056N (Body-worn)</td>
</tr>
</tbody>
</table>

SAR INFORMATION FOR FCC RF EXPOSURE

RF ENERGY EXPOSURE

The SAR data for this phone is shown on the following page. The SAR value for this model phone when tested for use at the ear is 0.62 W/kg and when worn on the body is 1.15 W/kg.

While there may be differences between the SAR levels of various cellphones and at various positions, they all meet the government requirement for RF exposure.

For body-worn operation, the cellphone meets FCC RF exposure guidelines provided that it is used with a non-metallic accessory with the handset at least 15 mm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov after searching on JYCBLADE.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.ctia.org.

* In the United States 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 measurements.
HEARING AID COMPATIBILITY (HAC) FOR WIRELESS TELECOMMUNICATIONS DEVICES
O UR COMMITMENT
We believe that all of our customers should be able to enjoy the benefits of digital wireless technologies. We are committed to providing a selection of compatible devices for our customers who wear hearing aids.

THIS PHONE HAS A HAC RATING OF M4/T4. Reference ANSI C63.19-2011
FCC ID: 2ACCJB062

WHAT IS HEARING AID COMPATIBILITY?
The Federal Communications Commission has implemented rules and a rating system designed to enable people who wear hearing aids to effectively use these wireless telecommunications devices. The standard for compatibility of digital wireless phones with hearing aids is set forth in American National Standard Institute (ANSI) standard C63.19. There are two sets of ANSI standards with ratings from one to four (being the best rating); an “M” rating for reduced interference making it easier to hear conversations on the phone when using the hearing aid microphone, and a “T” rating that enables the phone to be used with hearing aids operating in the telecoil mode thus reducing unwanted background noise.

HOW WILL I KNOW WHICH WIRELESS PHONES ARE HEARING AID COMPATIBLE?
The Hearing Aid Compatibility rating is displayed on the wireless phone box. A phone is considered Hearing Aid Compatible for acoustic coupling (microphone mode) if it has an “M3” or “M4” rating. A digital wireless phone is considered Hearing Aid Compatible for inductive coupling (telecoil mode) if it has a “T3” or “T4” rating. This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant to determine if you hear any interfering noise. Consult your service provider about its return and exchange policies and for information on hearing aid compatibility.

HOW WILL I KNOW IF MY HEARING AID WILL WORK WITH A PARTICULAR DIGITAL WIRELESS PHONE?
You’ll want to try a number of wireless phones so that you can decide which works the best with your hearing aids. You may also want to talk with your hearing aid professional about the extent to which your hearing aids are immune to interference, if they have wireless phone shielding, and whether your hearing aid has a HAC rating.

FOR MORE INFORMATION ABOUT HEARING AIDS AND DIGITAL WIRELESS PHONES
• FCC Hearing Aid Compatibility and Volume Control – http://www.fcc.gov/cgb/dro/hearing.html
• Hearing Loss Association of America – http://www.hearingloss.org/learn/cellphonetech.asp
• Gallaudet University, RERC – http://cap.gallaudet.edu/voice

RADIOLOGICAL HEALTH CONSUMER UPDATE ON WIRELESS PHONES
1. Do wireless phones pose a health hazard?
The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, that wireless phones are absolutely safe. They also emit very low levels of RF when in the idle mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA’s role concerning the safety of wireless phones?
Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists. Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:
• Support needed research into possible biological effects of RF of the type emitted by wireless phones;
• Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function;
and
• Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.
FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:
• National Institute for Occupational Safety and Health
• Environmental Protection Agency
• Federal Communications Commission
• Occupational Safety and Health Administration
• National Telecommunications and Information Administration

The National Institutes of Health participates in some inter-agency working group activities, as well. FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that are developed through a collaborative process between the FCC and other health agencies for safety questions about wireless phones. FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

FDA CONSUMER UPDATE
U.S. FOOD AND DRUG ADMINISTRATION - CENTER FOR DEVICES AND
3. What kinds of phones are the subject of this update?

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

4. What are the results of the research done already?

There are many factors that affect the validity of the results. Long-term exposure is measured in terms of exposure intervals and duration, rather than the actual amount (intensity) of exposure. RF intensity depends on the frequency of the waves, the power output of the wireless phone, the distance from the wireless phone, the angle at which the phone is held, or which model of phone is used.

Some factors affect RF exposure. The user’s location may play a part in RF exposure. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, many of the studies that showed increased tumor development used animals that had been genetically altered to develop cancer, even in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don’t know with certainty what the results of these studies mean for human health. Three large epidemiological studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glomaa, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

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

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF) because of the short distance between the phone and the user’s head. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world. The project has also helped develop a series of public information documents on EMF issues. FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

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

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit RF exposure. The user’s RF exposure depends on the frequency of the waves, the power output of the wireless phone, the distance from the wireless phone, the angle at which the phone is held, or which model of phone is used.

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

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

• If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data do not demonstrate that wireless phones are harmful. But
Radiation energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

- Federal Communications Commission (FCC) RF Safety Program (http://www.fcc.gov/cgb/dosafety)
- International Commission on Non-Ionizing Radiation Protection (http://www.icnirp.de)
- World Health Organization (WHO) International EMF Project (http://www.who.int/peh-emf/en/)
- National Radiological Protection Board (UK) (http://www.hpa.org.uk/radiation/)

AVOID POTENTIAL HEARING LOSS

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing. Individual susceptibility to noise-induced hearing loss and other potential hearing problems varies.

The amount of sound produced by a portable audio device varies depending on the nature of the sound, the device, the device settings and the headphones. You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult with your doctor.

YOU CAN OBTAIN ADDITIONAL INFORMATION ON THIS SUBJECT FROM THE FOLLOWING SOURCES:

AMERICA ACADEMY OF AUDIOLOGY
11730 Plaza American Drive, Suite 300
Reston, VA 20190
Voice: 800-AAA-2336
Email: infoaud@audiology.org
Internet: http://www.audiology.org

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
NATIONAL INSTITUTES OF HEALTH:
31 Center Drive, MSC 2320
Bethesda, MD USA 20892-2320
Voice: (301) 496-7243
Email: wengerj@nidcd.nih.gov
Internet: http://www.nidcd.nih.gov/health/hearing

CENTERS FOR DISEASE CONTROL AND PREVENTION:
1600 Clifton Rd, Atlanta, GA 30333, USA
Voice: 800-CDC-INFO (800-232-4636)
Internet: http://www.cdc.gov/niosh/topics/noise/default.html
FCC COMPLIANCE INFORMATION
This device complies with Part 15 of 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.

INFORMATION TO THE USER
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 of a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for assistance.

CAUTION: Change or modification not approved by the party responsible for compliance could void the users authority to operate the equipment. Connection of peripherals requires the use of grounded shielded signal cables.

INFORMATION ABOUT SAFEGUARDING HANDSETS
We encourage customers to take appropriate measures to secure their handsets and invite them to take advantage of the features available on this handset to help secure it from theft and/or other unauthorized access and use. This handset has a locking function (e.g., user-defined codes or patterns) that can serve as a first line of defense against unauthorized use or access to stored information. Your service provider may also offer remote locking and wiping capabilities as an additional service against theft, contact your service provider for availability of this service.

Mobile Security: Capable phone required; technical limitations may prevent certain features (e.g., LOCK) from working on certain phones. Enabling the location history features of Mobile Security can cause your phone’s battery life to diminish more quickly. Device must be powered on, have text messaging capability, and be within the T-Mobile coverage area for Mobile Security features to function. Data usage applies for download and use of Mobile Security. As with other software, Mobile Security may be disabled or uninstalled by other applications, software, devices or hacking. In this event the protective features of Mobile Security may not function properly. In addition, even though installed, Mobile Security may not function properly due to other prior installed software on your device.

For more information on using this phone or to view frequently asked questions, please visit www.alcatelonetouch.com.

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