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ZTE Blade™ X
User Guide



ZTE

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Getting started

Installing the nano-SIM card (included) and a microSDXC card (not included)

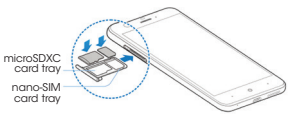
The nano-SIM card and the microSDXC card can be installed or removed while the phone is turned on. You need to unmount the microSDXC card before removing it (see *Connecting to networks and devices – Using the mircroSDXC card as portable or internal storage*).

Note: Your phone will come with the nano-SIM card already installed.

Warning! To avoid damage to the phone, do not use any nonstandard nano-SIM card cut from a SIM card. You can get a standard nano-SIM card from your service provider.



1. Insert the tray eject tool into the hole on the nano-SIM/microSDXC card tray, and pull the tray out.
2. Place the nano-SIM card and the microSDXC card on the tray with the gold-colored contacts facing down.
3. Carefully slide the tray back into place.



Charging the battery

Your phone's battery should have enough power for the phone to turn on, find a signal, and make a few calls. You should fully charge the battery as soon as possible.

Do not change the built-in rechargeable battery in your phone by yourself. The battery can only be changed by ZTE or a ZTE authorized service provider.

Warnings!

- Use only ZTE-approved chargers and USB Type-C™ cables. The use of unapproved accessories could damage your phone or cause the battery to explode.
- Do not remove the back cover. The battery is not removable. Removal may cause fire or explosion.

Note: Use the USB Type-C charger that comes in-box with your phone to charge the battery. It's specially built to support Qualcomm® Quick Charge™ 1.0.



1. Connect the adapter to the charging/USB Type-C port.
2. Connect the charger to a standard AC wall outlet. If the phone is on, you'll see a charging icon, such as or , appear in the Status Bar.
3. Disconnect the charger when the battery is fully charged.

Note: If the battery is extremely low, you may be unable to power on the phone even when it is being charged. In this case, try again after charging the phone for at least 20 minutes. Contact customer service if you still cannot power on the phone after prolonged charging.

This device contains a nonremovable battery. Attempting to remove will void your warranty and could cause serious injury. Do not damage, alter, or try to remove the battery.

Extending the battery life

Active applications, screen brightness levels, *Bluetooth* and Wi-Fi usage, and GPS functionality can drain your battery. You can follow the helpful tips below to conserve your battery power:

- Reduce the screen backlight time.
- Lower the screen brightness.
- Turn auto-sync, Wi-Fi, and *Bluetooth* off when not in use.
- Disable the GPS function when not in use. Most applications using this function will periodically query the GPS satellites for your current location; each query drains your battery.

Powering your phone on/off

- Press and hold the **Power key** to turn on your phone.
- To turn it off, press and hold the **Power key** to open the options menu. Tap **Power off**.

Note: If the phone freezes or takes too long to respond, press and hold the **Power key** for about 10 seconds to restart the phone.

Setting up your phone for the first time

When you first power on your phone after you purchase it or reset it to factory settings (see *Settings – Personal – Backup & reset*), you will need to set it up before using it.

1. Tap the language field to select the language you want, and tap **LET'S GO**.
2. Follow the prompts to set up your Wi-Fi connection, Google services, name, device protection, and other options.

Note: Users with low vision can tap **Vision Settings** on the initial setup screen to customize accessibility features.

Locking/Unlocking the screen and keys

Your phone allows you to quickly lock the screen and keys (put the phone into Sleep mode) when not in use and also to turn the screen back on and unlock it when you need it.

Locking the screen and keys

To quickly turn the screen off and lock the keys, press the **Power key**.

Note: To save battery power, the phone automatically turns off the screen after a certain period of time when you leave it idle. You will still be able to receive messages and calls while the phone screen is off.

Unlocking the screen and keys

1. Press the **Power key** to turn the screen on.
2. Press and hold an empty area of the screen or to wake the phone, or
   - Press and hold to make a call.
   - Press and hold to open the front camera.
   - Double-tap a notification to open the related app.

Note: If you have set a fingerprint, pattern, PIN, or password for your phone (see *Personalizing – Protecting your phone with screen locks* and *Using your fingerprint*), you'll need to press your finger against the Fingerprint sensor, draw the pattern, or enter the PIN/password to unlock your screen.

Using the touch screen

Your phone's touch screen lets you control actions through a variety of touch gestures.

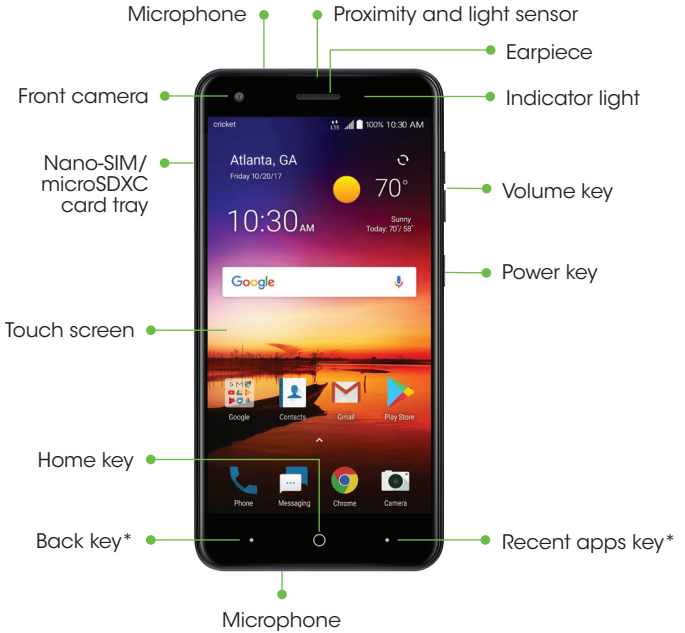
- **Tap** – When you want to type using the on-screen keyboard, select on-screen items (such as application and settings icons), or press on-screen buttons, simply tap them with your finger.

- **Press and hold** – To open the available options for an item (for example, a message or link in a web page), press and hold the item. To quickly access menus for certain apps, press and hold the app icon (for example, press and hold the Camera icon and select from the options).
- **Swipe or slide** – To swipe or slide means to quickly drag your finger vertically or horizontally across the screen.
- **Drag** – To drag, press and hold your finger with some pressure before you start to move your finger. While dragging, do not release your finger until you have reached the target position.
- **Pinch** – In some apps (such as Maps, web browsers, and Gallery), you can zoom in and out by placing two fingers on the screen at once and pinching them together (to zoom out) or spreading them apart (to zoom in).
- **Rotate the screen** – For most screens, you can automatically change the screen orientation from portrait to landscape by turning the phone sideways.

  Notes:

  - The auto-rotate feature needs to be enabled for the screen orientation to automatically change. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Display** > **When device is rotated** > **Rotate the contents of the screen**.
  - You can also access the screen rotation control by sliding down the Status Bar twice and tapping **Auto-rotate** or **Portrait**.

Getting to know your phone





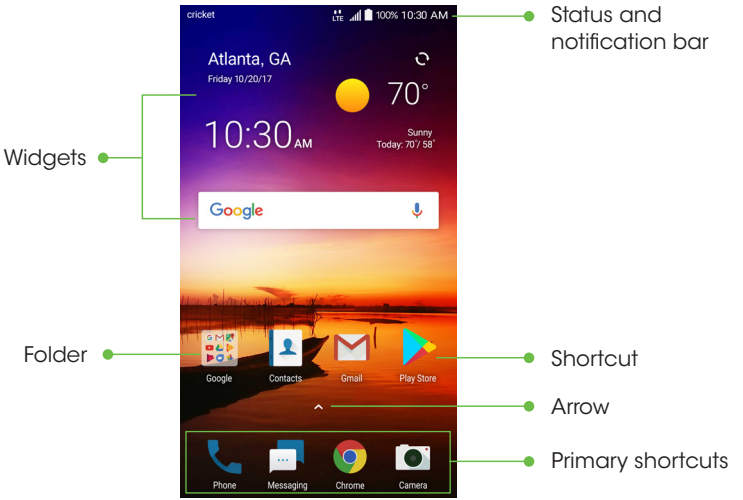
*You can switch the positions of the Back key and Recent apps key. Tap the **Arrow** ^ or swipe up from the bottom of the home screen, tap **Settings** > **Navigation key,** and select an option.

Key functions

Key	Function
Power key	Press and hold to turn Airplane mode on or off, restart, or power off. Press to turn the screen display on or off.
Home key	Press to return to the home screen from any application or screen. Press and hold to access Google Assistant.
Recent apps key	Press to see recently used applications. Double-tap to switch to the most recent application. Press and hold while using an app to activate split-screen mode (see *Knowing the basics – Using two apps in split-screen mode*).
Back key	Press to go to the previous screen.
Volume key	Press or hold to turn the volume up or down.

Getting to know the home screen

The home screen is the starting point for your phone's applications, functions, and menus. You can customize your home screen by adding application icons, shortcuts, folders, widgets, and more.



Extending the home screen

Your home screen is extendable, providing more space for shortcuts, widgets, and more. Simply swipe left or right on the home screen to see the extended panels. You can add or remove home screen panels or adjust their order.

Adding a new home screen panel

1. Tap the **Arrow** or swipe up from the bottom of the home screen, or press and hold an empty area of the home screen and select **Widgets**.
2. Press and hold an application icon or a widget, and drag it to the right edge of the screen to create a new home screen panel.
3. Release the icon or widget to place it on the new panel.

Deleting a home screen panel

1. Press and hold an empty area of the home screen.
2. Tap **Home**.
3. Swipe left or right to view the home screen thumbnails. Tap on the top right corner of a thumbnail.
4. Tap **OK**. The items on the panel will also be removed.

Note: There must be at least one home screen panel.

Moving a home screen panel

1. Press and hold an empty area of the home screen.
2. Tap **Home**.
3. Swipe left or right to view the home screen thumbnails. Press and hold a thumbnail and drag it left or right to the place you need.

Note: Tap at the bottom of a home screen thumbnail to set it as the main home screen.

Personalizing

Changing the system language

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Languages & input** > **Languages**. The first language in the list is the default system language.
2. If the language you need is not shown in the list, tap **Add a language** and select the one you want.
3. Press and hold next to the language you want to use, and drag it to the top of the list.

Note: To remove languages from the list, tap > **Remove**, select the languages you want to delete, and then tap > **OK**.

Setting the date and time

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Date & time**.
2. Set the date, time, time zone, and time format.
   - To adjust the date and time automatically, tap to enable **Automatic date & time**.
   - To adjust the date and time manually, tap to disable **Automatic date & time** and tap **Set date / Set time**.
   - To adjust the time zone automatically, tap to enable **Automatic time zone**.
   - To adjust the time zone manually, tap to disable **Automatic time zone** and tap **Select time zone**.
   - To adjust the time format, tap to enable or disable **Use 24-hour format**.

Changing the ringtone and notification sound

You can customize the default ringtone for incoming calls and the default notification sound.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Sound**.
2. Tap **Phone ringtone** or **Default notification ringtone**.
3. Scroll through the list and select the ringtone you'd like to use.
4. Tap **OK**.

Notes:

- Many applications have their own notification sound settings.
- See *Contacts – Editing contacts – Setting a ringtone for a contact* for how to assign a special ringtone to an individual contact.
- When selecting ringtones or sounds, tap the **Music** or **Recording** tab to select an audio file saved on the phone or the microSDXC card.

Turning system sounds on/off

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Sound** > **Other sounds**.
2. Tap the switch beside each option to turn it on or off.

Adjusting volumes

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Sound**.
2. Drag the sliders below **Media volume**, **Alarm volume**, **Ring volume** and **Notification volume** to adjust the volume for each type of audio.

Note: You can adjust the media volume when a media application is in use by pressing the **Volume key**. If no media application is active, press the **Volume key** to adjust ringtone volume (or the earpiece volume during a call).

Switching to silent or vibration mode

You can set the phone to silent or vibration mode by using one of the following methods:

- Press the **Volume key** when no media application is active to show the volume management window. Drag the slider to the left or press and hold the **Volume down key** to switch the phone to vibration mode. Press the **Volume down key** again in vibration mode to switch the phone to silent mode.
- Swipe down from the top of the screen to open the Notification Panel, and swipe down again to access the Quick Settings. Slide left and then tap **Sound** or **Vibrate** to switch the phone to vibration or silent mode.
- Tap the **Arrow** or swipe up from the bottom of the home screen, tap **Settings** > **Sound** > **Notification mode**, and select **Vibrate** or **Mute** to switch to vibration or silent mode.

Note: To restore normal sound settings, press or hold the **Volume up key**.

Using Do not disturb mode

You can limit interruptions with Do not disturb mode. This mode silences your phone so that it doesn't make sounds or vibrate when you don't want it to.

Turning on Do not disturb mode

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap > **Settings** > **Sound** > **Do not disturb**.
2. Tap **Do not disturb** and choose an option:
   - Tap **Never** to disable the feature.
   - Tap **Always** to immediately enable the feature.
   - Tap **Scheduled** to enable the feature for a selected time period. Under Set schedule, tap **Days**, **Start time**, and **End time** to make selections.

3. If you select Always or Scheduled, tap **Disturb rules** and choose an option:
   - Tap **Priority only** to allow only notifications that you have marked as priority. Set these under Priority interruptions.
   - Tap **Alarms only** to allow only alarms.
   - Tap **Total silence** to block all notifications.

Notes:

- To set a Do not disturb exception for a specific app, tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Notifications**. Select the app you want, and then tap to enable **Override Do Not Disturb** to allow its notifications in Priority only mode.
- You can also enable Do not disturb mode from the Quick Settings menu. Swipe down twice to open Quick Settings, and then tap **Do not disturb**. Adjust the settings and tap **DONE** when ready or **MORE SETTINGS** for the full menu.
- To quickly turn off Do not disturb mode, press the **Volume key** and tap **END NOW**.

Applying new wallpapers

You can set the wallpaper for the home screen and lock screen.

1. Press and hold an empty area of a home screen.
2. Tap **Wallpapers**.
3. Swipe left or right on the wallpaper panel to select a wallpaper, or tap **GALLERY** or **LIVE WALLPAPER** to choose the image or animation you want to use as the wallpaper.

Note: Alternatively, you can tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Display** > **Wallpaper** to pick an image from Gallery or Photos or an animation from Live Wallpapers.

Using ZTE Lock Screen

Experience something new with the dynamic ZTE Lock Screen. Vivid lock screen images change regularly, providing a fresh look for your phone.

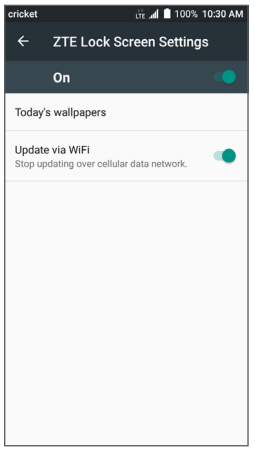
ZTE Lock Screen quick options

1. To reveal the quick options bar, swipe up from the bottom of the lock screen.
2. Tap an option:
   - **Favorite:** Tap to save the current wallpaper to the My favorites folder.
   - **Remove:** Tap to prevent the current wallpaper from appearing again.
   - **Pause:** Tap to keep the current wallpaper as the lock screen until you tap **Start**.
   - **Settings:** Tap to go directly to the ZTE Lock Screen menu in Settings.



ZTE Lock Screen settings

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Display** > **Wallpaper** > **ZTE Lock Screen**.
2. If ZTE Lock Screen is off, tap the switch to turn it on.
3. Tap an option:
   - **Today's wallpapers:** Tap to view the current collection of wallpapers, including the My favorites folder.
   - **Update via Wi-Fi:** When this setting is on, ZTE Lock Screen will be updated only when connected to a Wi-Fi network.



Setting the theme

1. Press and hold an empty area on the home screen.
2. Tap **Themes**.
3. Tap a theme to select it.

Setting the home screen transition effect

1. Press and hold an empty area on the home screen.
2. Tap **Home**.
3. Tap an effect, and the phone will demonstrate how it works. When you have found one you like, press the **Home key** to exit.

Changing the screen brightness

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Display** > **Brightness level**.
2. Drag the slider to manually adjust the screen brightness.

Notes:

- Your phone can automatically adjust the screen brightness for available light. Tap **Adaptive brightness** in the Display settings menu to turn the feature on or off.
- You can also use the Quick Settings to manage the screen brightness (see *Knowing the basics – Managing notifications – Using Quick Settings*).

Protecting your phone with screen locks

You can protect your phone by creating a screen lock. When it is enabled, you can press and hold an empty area on the lock screen, and then draw a pattern or enter a numeric PIN or a password to unlock the phone's screen and keys.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Security** > **Screen lock**.
2. Tap **None**, **Long press**, **Pattern**, **PIN**, or **Password**.
   - Tap **None** to disable screen lock protection.
   - Tap **Long press** to enable screen lock and allow unlocking with a "press and hold" gesture. You can unlock the screen by pressing and holding an empty area on the lock screen.
   - Tap **Pattern** to create a pattern that you must draw to unlock the screen.
   - Tap **PIN** or **Password** to set a numeric PIN or a password that you must enter to unlock the screen.
3. For Pattern, PIN, or Password lock, select whether to protect your phone by requiring your pattern, PIN, or password before it starts up.

   Note: Until your phone starts up, it cannot receive calls, messages, or notifications, including alarms. When this feature is enabled, you must unlock your phone to allow it to start up.
4. For Pattern, PIN, or Password lock, select how you would like notifications and their contents to show when the phone is locked, and then tap **DONE**.

Notes:

- Screen lock options are listed in the approximate order of the strength of their security, starting with **None** and **Long press**, which provide no security. A pattern provides minimal security, although it can be more convenient than the stronger options.
- Remember the pattern, PIN, or password you set. Otherwise, you will have to upgrade the phone software or contact customer service to use the phone (see *Upgrading the phone software*).

Using your fingerprint

With the Fingerprint sensor on the back of your phone, you can register up to five fingerprints and use them to unlock the phone or quickly open a selected app, or simply press the Fingerprint sensor to take photos or answer calls.

Note: The fingerprint feature is available only when a screen lock (Pattern, PIN, or Password) is enabled. When the screen lock is reset to None or Long press, all registered fingerprints are erased.

Registering a fingerprint

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Security** > **Fingerprint**.
2. Enter the screen lock pattern, PIN, or password you set. If you haven't set a screen lock, follow the prompts to set it.
3. Tap **REGISTER** or **Fingerprint** > **Add fingerprint**.
4. Follow the prompts to record the center and the edges of your fingerprint.
5. Tap **OK**.

Note: Tap an existing fingerprint record to change its name or delete it.

Setting fingerprint actions

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Security** > **Fingerprint**.
2. Enter your pattern, PIN, or password.

3. Tap to enable the fingerprint actions you want:
   - **Quick-open app:** When the screen is locked, you can quickly open a selected app with a registered fingerprint. Each registered fingerprint can be assigned to a different app.
   - **Take photo:** Press the Fingerprint sensor to take a photo when the Camera app is open.
   - **Answer call:** Press the Fingerprint sensor to answer incoming calls.

   Note: The Take photo and Answer call actions do not require a registered fingerprint. Pressing the Fingerprint sensor with any finger can take a photo or answer a call.

Protecting your phone with screen pinning

You can use the screen pinning feature to keep an app in view, so others cannot switch to other apps or access your personal information.

Turning on screen pinning

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Security** > **Screen pinning**.
2. Tap the **On/Off** switch.
3. If you have set a screen lock, you can tap **Ask for unlock pattern/PIN/password before unpinning**. You will need to draw the pattern or enter the PIN/password to unpin the screen.

Pinning a screen

1. Ensure that screen pinning is turned on.
2. Open the app you want to keep in view.
3. Press the **Recent apps key**.

4. If there are many app tabs, swipe up to find on the front tab.
5. Tap > **GOT IT**.

Unpinning the screen

To unpin the screen and return to normal use, press and hold the **Back key**.

If you enabled the **Ask for unlock pattern/PIN/password before unpinning** option, unlock the screen with your fingerprint, pattern, PIN, or password, depending on your screen lock and fingerprint settings.

Knowing the basics

Monitoring the phone status

The Status Bar at the top of the home screen provides phone and service status icons on the right side. Below are some of the icons you may see.

Indicators and icons

Indicator	What it means
E	2G connected
3G	3G connected
4G	4G connected
LTE	4G LTE™ connected
	Do not disturb mode (Alarms only or Priority only)
	Do not disturb mode (Total silence)
	Vibration mode
	Silent mode
	Battery low
	Battery full
/	Battery charging
	Alarm set

Indicator	What it means
	No signal
	Signal strength
	Mobile data in use
	Airplane mode
	Bluetooth on
	Connected to a Wi-Fi network
	Wi-Fi in use
	Portable Wi-Fi hotspot on
	Speakerphone on
	Phone microphone off
	GPS on
	Wired headset connected

Managing notifications

The Status Bar at the top of the home screen provides notification icons on the left side. Below are some of the icons you may see.

Indicators and icons

Indicator	What it means
/	New SMS/MMS message(s)
	New Email message(s)
	New Gmail message(s)
	Missed call
/	Call in progress/ Call on hold
	microSDXC card mounted

Indicator	What it means
	Upcoming event
	New Wi-Fi network detected
/	Downloading/ sending data
	USB connected
/	Song playing

Opening/Closing the Notification Panel

Notifications report the arrival of new messages, calendar events, and alarms, as well as ongoing events, such as when you are playing music. You can open the Notification Panel to view the details of notifications.

- To open the Notification Panel, swipe your finger down from the top of the screen.
- To close the Notification Panel, swipe your finger up from the bottom of the screen or press the **Back key**.

Responding to or removing a notification

In the Notification Panel, you can respond to or remove notifications. The Notification Panel also supports expandable notifications that let you perform additional actions right from the notification itself.

- To respond to a notification, tap it.
- Slide down to expand certain notifications. You can also tap ⌄ / ⌃ or spread/pinch with two fingers to expand or collapse certain notifications and bundled notifications.
- To remove a notification, swipe it left or right.
- To remove all nonpersistent notifications, tap **CLEAR ALL** at the end of the list of notifications. (Some notifications are persistent and cannot be removed until you tap them.)
- To manage notifications you have received, press and hold a notification or slide it slightly to the left or right and tap ⚙. You can then choose to silence or block notifications from the app, or tap **MORE SETTINGS** to customize more notification settings. See *Settings – Device – Notifications*.

Note: If you block notifications for an app, you may miss its important alerts and updates. The notifications of some apps cannot be blocked.

Using Quick Settings

The Quick Settings in the Notification Panel make it convenient to view or change the most common settings for your phone.

Swipe down from the top of the screen to open the Notification Panel; here you can find few of the Quick Settings tiles. To open the full Quick Settings Panel and see all of the tiles, drag the Notification Panel downward, or use two fingers to swipe down from the top of the screen.

Notes:

- Swipe left on the Quick Settings Panel to view more tiles.
- At the top of the Quick Settings Panel, tap ⚙ to open the full Settings menu.

To turn settings on or off quickly:

1. With two fingers, swipe down from the top of the screen to open the Quick Settings panel.
2. Tap a Quick Settings tile to turn that setting on or off. Press and hold certain tiles to access more setting options. (For example, press and hold the Wi-Fi tile to open the Wi-Fi menu in Settings.)

To customize the Quick Settings panel:

You can add, remove, or rearrange the tiles on the Quick Settings Panel.

1. Open the Quick Settings Panel.
2. Tap ✎ at the top of the panel, and then try the following options to manage your Quick Settings tiles:
   - To move a tile, press and hold it and drag it to the position you want.
   - To hide a tile, press and hold it and drag it to the section below to hide it.
   - To add a tile, press and hold a tile under **Drag to add tiles** and drag it up to the main Quick Settings Panel.

Managing shortcuts and widgets

Adding shortcuts and widgets

1. To add shortcuts, tap the **Arrow** ⌃ or swipe up from the bottom of the home screen.

   Or, to add widgets, press and hold an empty area of the home screen and tap **Widgets**.
2. Slide up or down to browse the available apps; slide left or right to browse the available widgets.
3. Press and hold a widget or an application icon, and drag it to a home screen panel.

Note: While dragging the item, you can take it to the right edge of the screen to create a new home screen panel. Release the item to place it on the new panel.

Moving shortcuts or widgets

1. Press and hold a widget or shortcut on the home screen.
2. Drag it to the place you need.

Removing shortcuts or widgets

1. Press and hold a widget or shortcut on the home screen.
2. Drag it to to remove it.

Adjusting widget size

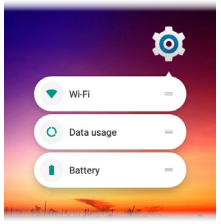
1. Press and hold a widget on the home screen, and then release it.
2. An outline appears around the widget. Drag the outline to resize the widget.

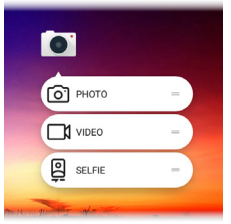
Note: Not all widgets can be resized.

Using shortcut menus

1. Press and hold an app shortcut.
2. Available options appear around the shortcut. Tap to select an option.

Note: Not all shortcuts support this function.





Organizing with folders

You can create folders on the home screen and add shortcuts to them. You can move or remove folders the same way that you move or remove shortcuts.

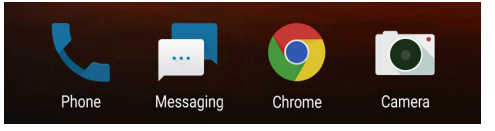
1. Press and hold a shortcut on the home screen and drag it to at the top left.
2. Release the shortcut. A new folder will be created with the shortcut inside.
3. To add more shortcuts to the folder, press and hold each shortcut and drag it over the folder before releasing it.

Notes:

- To remove a shortcut from a folder, tap the folder to open it, press and hold the shortcut, and drag it to the home screen.
- To rename a folder, tap the folder and then tap the name field.

Rearranging the primary shortcuts

The customizable primary shortcuts area at the bottom of the home screen remains the same on every home screen panel. You can keep up to four items in the primary shortcuts area. Drag shortcuts or folders in or out of the area to rearrange it.



Entering text

You can enter text using the on-screen keyboard. Some apps open it automatically. In others, you open it by tapping where you want to type. You can press the **Back key** to hide the on-screen keyboard. You can also enter text by speaking with the Google voice typing feature.

Enabling or disabling input methods

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Languages & input** > **Virtual keyboard** > **Manage keyboards**.
2. Slide the switches beside the input methods to enable or disable them.

Note: Some default input methods may not be disabled.

Changing input methods

1. When you use the on-screen keyboard to enter text, the icon appears in the Status Bar.

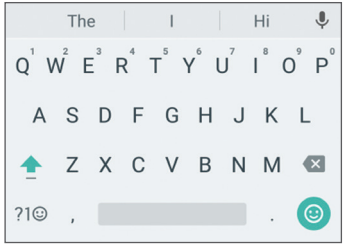
   Note: The icon appears only when more than one input method is installed and enabled for use.
2. Open the Notification Panel and tap **Change keyboard**.
3. Select the input method you need.

Adjusting input method settings

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Languages & input** > **Virtual keyboard**.
2. Tap an input method to change its settings.

Google Keyboard

The Google Keyboard provides a layout similar to a desktop computer keyboard. When screen auto-rotation is enabled, turn the phone sideways and the keyboard will change from portrait to landscape. The landscape keyboard is not supported in all applications.



- Tap the alphabetic keys to enter letters. Press and hold some specific keys to enter associated accented letters or numbers. For example, to enter É, press and hold E and the available accented letters and number 3 appear. Then slide to choose É.
- As you enter a word, suggested words appear above the keyboard. Tap a suggested word to select it. Press and hold a suggested word and drag it to to remove it from the suggestions.
- Tap to use uppercase. Double-tap to lock uppercase. This key also changes to indicate the current case you are using: for lowercase, for uppercase, and when locked in uppercase.
- Tap to delete the text before the cursor.
- Tap ?1☺ to select numbers and symbols. You can then tap = \ < to find more, or tap ☺ to choose emoji and emoticons.

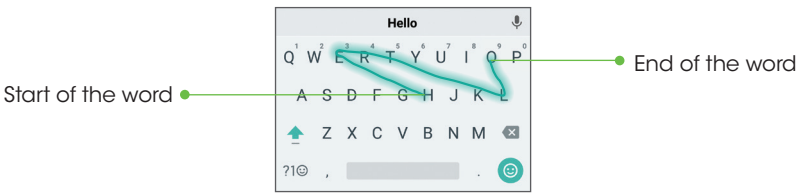
- Tap to choose emoji and emoticons.
- Tap to use Google voice typing.
- Press and hold , to change the input language or set up the Google Keyboard.
- Press and hold , and slide to to change to a smaller keyboard for easier one-handed typing. Tap / to switch to the right-hand or left-hand keyboard, respectively. Tap to switch back to the full-sized keyboard.

Gesture typing

The Google Keyboard supports the gesture typing feature. You can use this feature to input a word by sliding from letter to letter on the keyboard.

To enable and use gesture typing:

1. Press and hold , on the Google Keyboard, and then tap **Google Keyboard settings**.
2. Tap **Gesture typing** > **Enable gesture typing** if this feature is turned off.
3. On the Google Keyboard, slide your finger from letter to letter to trace a word without lifting the finger until you reach the end of the word.



Notes:

- Tap to type when you want to. If you want to enter a single letter, simply tap the key once.
- Lift your finger at the end of the word. A space is added automatically when you begin to trace the next word.

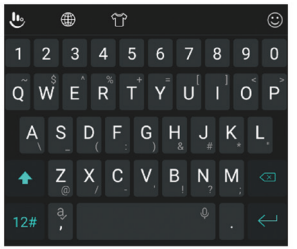
TouchPal Keyboard

TouchPal Keyboard offers three layouts: FULL, PHONEPAD, and T+. You can tap to select a layout or an input language.

Note: The TouchPal Keyboard defaults to the FULL layout.

You can also use Curve® - Word gesture and Wave™ - Sentence gesture to speed up text input by moving your finger from letter to letter or from word to word without lifting the finger.

The FULL layout



The FULL layout offers an input experience similar to a computer keyboard.

- **The alphabetic keys:** Tap the keys to enter letters. You can also press and hold a key and slide to choose more characters.

- **The shift key:** Tap to use uppercase. Double-tap to lock uppercase. This key also changes to indicate the current case you are using: for lowercase, for uppercase, and when locked in uppercase.
- **Word prediction:** Press and hold or and tap the **Prediction** switch to turn prediction on or off.
- **Predefined texts and symbols:** Tap 12# to enter digits, symbols, and other predefined text. You can tap the arrow keys to turn pages, or tap to go back to the alphabetic keys. Slide up on the space key or tap to enter emoji or emoticons.
- **The delete key:** Tap to delete text before the cursor. You can also slide left on the key to delete an entire word.
- **More options:** Tap to access TouchPal quick settings, use voice input, edit text, resize the keyboard, and more. Tap to change the TouchPal Keyboard theme and other settings.

The PHONEPAD layout

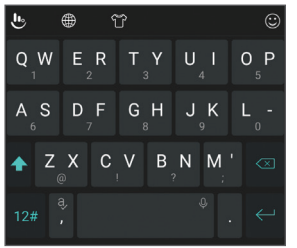
The PHONEPAD layout is similar to a phone pad.



Tap an alphabetic key repeatedly until the desired letter appears. Press and hold the key and slide left or right to choose the letter or number you need.

If word prediction is enabled ( ), tap the keys and choose the right word.

The T+ layout



If word prediction is disabled ( ), tap to enter the left letter on the key. Double-tap or flick right to enter the right letter/symbol on the key. Press and hold a key and slide left or right to choose more letters and symbols.

If word prediction is enabled ( ), just tap the keys and choose the right word.

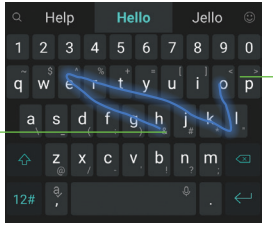
Curve - Word gesture

Curve - Word gesture allows you to enter text by moving your finger on the screen from letter to letter to enter each word.

To enable and use Curve - Word gesture:

1. On the TouchPal Keyboard, tap > **Settings** > **Smart input** and check **Curve® - Word gesture**.
2. Press the **Back key** twice, tap inside a text field to open the keyboard, and then tap > **FULL** to switch to the FULL layout.

3. Move your finger from letter to letter on the keyboard to trace a word, without lifting the finger until you reach the end of the word.



Notes:

- Curve - Word gesture is only available in the FULL layout.
- Tap to type when you want to. If you want to enter a single letter, simply tap the key once.
- Lift your finger at the end of the word. A space is added automatically when you begin to trace the next word.

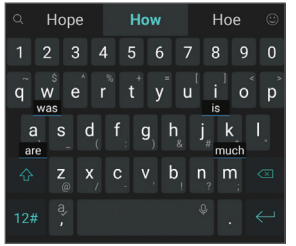
Wave - Sentence gesture

Wave - Sentence gesture allows you to enter words by dragging candidate words to the space key.

To enable and use Wave - Sentence gesture:

1. On the TouchPal Keyboard, tap > **Settings** > **Smart input** and check **Wave™ - Sentence gesture.**
2. Press the **Back key** twice, tap inside a text field to open the keyboard, and then tap > **FULL** to switch to the FULL layout.
3. Tap or use Curve - Word gesture to enter the first word. As the first word appears on the text field, candidate words appear on the keyboard for you to choose from as the following word.

4. Drag the correct candidate word to the space key to add the word to the text field. If none of the suggested words are correct, type the word as you normally would.



Note: Wave - Sentence gesture is only available in the FULL layout.

Google voice typing

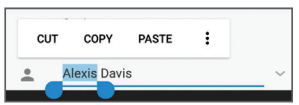
Google voice typing uses the Google voice recognition service to convert speech to text. You must have a data connection on a mobile or Wi-Fi network to use it.

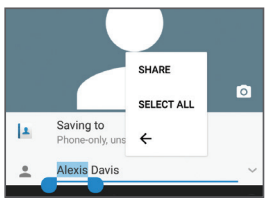
1. To access the voice typing feature, tap while using the Google Keyboard, tap > while using the TouchPal Keyboard, or swipe down on the Status Bar while entering text and tap **Change keyboard** > **Google voice typing**.
2. When you see the microphone image, speak what you want to type.
3. You can continue entering text or tap an underlined word to change or delete it.

Note: Say "comma," "period," "question mark," "exclamation mark," or "exclamation point" to enter punctuation.

Editing text

- **Move the insertion point:** Tap where you want to type. The cursor blinks in the new position, and a tab appears below it. Drag the tab to move the cursor.
- **Select text:** Press and hold or double-tap within the text. The nearest word highlights, with a tab at each end of the selection. Drag the tabs to change the selection. You can also tap > **SELECT ALL** to highlight all of the text as your selection.
- **Cut or copy:** Select the text you want to manipulate. Then tap **CUT** or **COPY** to cut or copy the text to the clipboard.
- **Replace text with the clipboard text:** Select the text you want to replace. Then tap **PASTE**.
- **Insert text from the clipboard:** Tap the tab below the cursor, and then tap **PASTE**.
- **Share text:** Select the text you want to share, tap > **SHARE**, and select a method.





Opening and switching apps

Opening an app

1. Tap the **Arrow** or swipe up from the bottom of the home screen to open the application list, where you can find all of the apps on your device.
2. Slide up or down on the screen to view all of the apps. Tap an app to open it.

Note: Drag the slider on the right side of the screen to the initial letter of the app you need, or tap the search field at the top to search for apps.

Switching between recently opened apps

1. Press the **Recent apps key**. The apps you've used recently are displayed in a series of tabs. Swipe up and down to see all of the tabs.
2. Tap a tab to open that app.

Notes:

- You can swipe a tab left or right or tap on the corner of the tab to remove it from the list. Tap **Clear all** to remove all thumbnails.
- Double-tap the **Recent apps key** to quickly switch between the two most recently used apps.

Using two apps in split-screen mode

You can work with two apps at the same time in split-screen mode.

Note: Some apps may not support split-screen mode.

1. Open the first app you want to use, and then press and hold the **Recent apps key**.

   -or-

   Press the **Recent apps key** to view your recently used apps. Press and hold the tab of the app you want to use, and drag it to **Drag here to use split screen**.

2. The screen will be divided into two sections. To open the second app, do one of the following:
   - If the app you need is in the recent apps list, tap its tab.
   - Press the **Home key**, tap the **Arrow** or swipe up from the bottom of the home screen, and tap the app you need.

To turn off split-screen mode, press and hold the **Recent apps key** or drag to the top or bottom of the screen.

Uninstalling or disabling an app

1. Tap the **Arrow** or swipe up from the bottom of the home screen to open the application list.
2. Press and hold an app icon, and drag it to or at the top of the screen.
3. Tap **OK** to uninstall or disable the app.

Notes:

- Not all apps cannot be uninstalled or disabled.
- To find the disabled applications, tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Apps** > > **Disabled**. You can then tap an application and tap **ENABLE** to restore it.

Connecting to networks and devices

Connecting to mobile networks

Controlling mobile data use

To enable or disable data access:

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Mobile networks** > **Mobile Data**.
2. Slide the **Mobile Data** switch to enable or disable mobile data use.

To get data services when roaming internationally:

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Mobile networks** > **International Data Roaming**.
2. Slide the **Mobile Data** switch to enable or disable roaming.

Note: Data roaming may incur significant roaming charges.

Disabling 2G service

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Mobile networks**.
2. Slide the **Disable 2G** switch to enable this feature, which disables 2G service on the device.

Note: If 2G network service is disabled, some apps and functions may not work in locations with limited coverage.

Checking the Access Point Name

You can use the default Access Point Name (APN) to connect to the Internet. To view the default APN, tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Mobile networks** > **Access Point Names**.

Note: To set the APN to default settings, tap > **Reset to default.**

Connecting to Wi-Fi

Wi-Fi is a wireless networking technology that can provide Internet access at distances of up to 300 feet (100 meters), depending on the Wi-Fi router and your surroundings.

Turning Wi-Fi on and connecting to a Wi-Fi network

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Wi-Fi**.
2. If Wi-Fi is off, tap the switch to turn it on.
3. Tap a network name to connect to it.
4. If the network is secured, enter the password and tap **CONNECT**.

Note: Your phone automatically connects to previously used Wi-Fi networks when they are in range.

Getting notified of open networks

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Wi-Fi**.
2. If Wi-Fi is off, tap the switch to turn it on.
3. Tap .
4. Tap the **Network notification** switch to turn it on.

When Wi-Fi is on, you receive notifications in the Status Bar when your phone detects an open Wi-Fi network. Switch off this option to turn off notifications.

Adding a Wi-Fi network

You can add a Wi-Fi network if the network does not broadcast its name (SSID) or if you are out of range.

To connect to a secured network, you first need to get the security details from the network's administrator.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Wi-Fi**.
2. If Wi-Fi is off, tap the switch to turn it on.
3. At the bottom of the list of available Wi-Fi networks, tap **Add network**.
4. Enter the network SSID (name). If necessary, enter security or other network configuration details.
5. Tap **SAVE**.

Forgetting a Wi-Fi network

You can make your phone forget the details of a Wi-Fi network that you added; for example, if you don't want the phone to connect to it automatically or if it is a network that you no longer use.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Wi-Fi**.
2. If Wi-Fi is off, tap the switch to turn it on.
3. Tap > **Saved networks**.
4. Tap the Wi-Fi network name, and then tap **FORGET**.

Connecting to a WPS network

Wi-Fi Protected Setup (WPS) is a feature that makes it easy to add your phone to access points that support WPS.

You can use one of the following methods to connect your phone to a wireless network using WPS.

Method one: WPS button (recommended)

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Wi-Fi**.
2. If Wi-Fi is off, tap the switch to turn it on.
3. Tap > **Advanced** > **WPS Push Button**.

4. Press the WPS button on the access point, and it will recognize your phone and add it to the network.

Method two: PIN

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Wi-Fi**.
2. If Wi-Fi is off, tap the switch to turn it on.
3. Tap > **Advanced** > **WPS Pin Entry**.
4. The WPS PIN displays on the screen. Enter the PIN into the access point's setup page.

After entering the PIN, your phone automatically finds the access point and configures the connection.

Note: For detailed information about the WPS feature of the access point, please refer to its documentation.

Adjusting advanced Wi-Fi settings

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Wi-Fi**.
2. If Wi-Fi is off, tap the switch to turn it on.
3. Tap to adjust the following settings:
   - **Saved networks:** View a list of saved networks.
   - **Network notification:** Enable notifications when Wi-Fi is on and an open network is available.
   - **Keep Wi-Fi on during sleep:** Set conditions for keeping Wi-Fi on in sleep mode.
   - **MAC address:** Check the MAC address.
   - **IP address:** Check the phone's IP address.

   - or -

   Tap > **Advanced** to adjust the following settings:
   - **Install certificates:** Install certificates needed for connecting to certain Wi-Fi networks.
   - **Wi-Fi Direct:** Use the Wi-Fi Direct feature. (See *Connecting to networks and devices – Using Wi-Fi Direct*.)
   - **WPS Push Button:** Connect to a WPS network via the push button method.
   - **WPS Pin Entry:** Connect to a WPS network via the phone PIN method.

Using Wi-Fi Direct

Wi-Fi Direct allows Wi-Fi devices to share files and data directly by connecting to each other without the need for wireless access points (hotspots).

Note: Activating this feature will disconnect your current Wi-Fi network connection.

Connecting to another device via Wi-Fi Direct

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Wi-Fi**.
2. If Wi-Fi is off, tap the switch to turn it on.
3. Tap > **Advanced** > **Wi-Fi Direct**. Your phone will search for other devices enabled with Wi-Fi Direct connections.
4. Tap a device name below Peer devices to connect with it.

   The other device will receive a connection prompt and need to accept the request for connection. Both devices may need to enter a common PIN. If prompted, tap **ACCEPT**.
5. Once connected, the device is displayed as "Connected."

Sending data via Wi-Fi Direct

1. Open the appropriate application, and select the file or item you want to share.
2. Select the option for sharing via Wi-Fi Direct. The method may vary by application and data type.
3. Tap a device the phone has connected with, or wait for it to search for new devices and tap one of them.

Receiving data via Wi-Fi Direct

A notification will appear when your device receives a Wi-Fi Direct data transfer attempt. When prompted, tap **ACCEPT** to start receiving the data. Swipe down to open the Notification Panel to locate the prompt, if needed.

Received files are stored automatically in a dedicated folder (e.g., WiFiShare). You can locate them using the File Manager app.

Connecting to *Bluetooth* devices

Bluetooth is a short-range wireless communication technology. Phones or other devices with *Bluetooth* capabilities can exchange information wirelessly within a distance of about 30 feet (10 meters). The *Bluetooth* devices must be paired before the communication is performed.

Turning Bluetooth on/off

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Bluetooth**.
2. Tap the switch to turn *Bluetooth* on or off

When *Bluetooth* is on, the icon appears in the Status Bar. Your phone will be visible to nearby devices while *Bluetooth* Settings is open.

Changing the device name

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Bluetooth**.
2. If *Bluetooth* is off, tap the switch to turn it on.
3. Tap > **Rename this device**.
4. Edit the name and tap **RENAME**.

Pairing with another Bluetooth device

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Bluetooth**.
2. If *Bluetooth* is off, tap the switch to turn it on.

   Your phone automatically scans for and displays the IDs of all available *Bluetooth* devices in range. Tap > **Refresh** if you want to scan again.
3. Tap the device you want to pair with.
4. If necessary, confirm that the *Bluetooth* passkeys are the same between the two devices and tap **PAIR**. Alternatively, enter a *Bluetooth* passkey and tap **PAIR**.

   Pairing is successfully completed when the other device accepts the connection or the same passkey is entered.

Note: The *Bluetooth* passkey may be fixed for certain devices, such as headsets and hands-free car kits. You can try entering 0000 or 1234 (the most common passkeys), or refer to the documents for that device.

Forgetting (unparing with) a Bluetooth device

You can make your phone forget its pairing connection with another *Bluetooth* device. To connect to the device again, you must search for it and may need to enter or confirm a passkey again.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, tap **Settings** > **Bluetooth**, and ensure that *Bluetooth* is turned on.
2. In the list of paired devices, tap beside the *Bluetooth* device you want to forget.
3. Tap **FORGET**.

Sending data via Bluetooth

1. Open the appropriate application, and select the file or item you want to share.
2. Select the option for sharing via *Bluetooth*. The method may vary by application and data type.
3. Tap a *Bluetooth* device the phone has paired with, or wait for it to search for new devices and tap one of them.

Receiving data via Bluetooth

1. Turn *Bluetooth* on before trying to receive data via *Bluetooth*.

   Note: If the phone has not been paired with the sending device, you may need to open the *Bluetooth* menu in Settings to keep the phone detectable through *Bluetooth*.
2. When prompted, tap **ACCEPT** to start receiving the data. (Swipe down to open the Notification Panel to locate the prompt, if needed.)

Received files are stored automatically in a dedicated folder (*Bluetooth*, for instance). You can access them with the File Manager app.

Connecting to your computer via USB

You can connect your phone to a computer with a USB cable and transfer music, pictures, and other files in both directions. Your phone stores these files in the internal storage or on a removable microSDXC card.

Connecting your phone to a computer via USB

1. Connect your phone to the PC with a USB cable.
2. Choose one of the following options:
   - **Charge only:** Charge your phone via USB.
   - **Install driver:** Select this option when features are enabled for the first time or when they're unavailable.
   - **Media device (MTP):** Transfer files on Windows®, or use Android™ File Transfer on Mac®.

     Note: For Windows XP, install the drivers and Windows Media® Player 11 (or later version) when you use Media device (MTP) for the first time.
   - **Camera (PTP):** Transfer photos using camera software.

Note: To make your phone connect to the computer automatically using the selected connection type, check **Don't ask me again**.

Disconnecting your phone from the computer

To disconnect the phone from the computer, simply unplug the USB cable when you're finished.

Using the microSDXC card as portable or internal storage

You can use your microSDXC card as portable storage for content such as your media and other files so that you don't lose them.

If your microSDXC card is new or doesn't have content you want to keep, you can also set it up as an extension of the phone storage. This requires formatting that prevents the microSDXC card from working with other devices. If you use the microSDXC card as part of phone storage, it will allow downloaded apps to be stored to the card.

Caution: As part of the phone storage, the microSDXC card may have data on it that is necessary for some apps to function normally. Therefore, do not remove or replace the card randomly.

Setting up the microSDXC card as portable storage

When you install a microSDXC card that has not been used on your phone before, the phone will mount the card as portable storage by default.

To remove the microSDXC card (portable) from your phone:

If you need to remove the microSDXC card used as portable storage while the phone is on, you must unmount it first.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Storage**.
2. Tap ⏏ next to the card name in the Portable storage section.
3. When the screen prompts the card is safely ejected, you can remove it from the phone.

To erase and format the microSDXC card:

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Storage**.
2. Tap the card name in the Portable storage section.
3. Tap **Format**.
4. Tap **ERASE & FORMAT**.

Caution: The formatting procedure erases all the data on the microSDXC card, after which the files CANNOT be retrieved.

Setting up the microSDXC card as internal storage

If your microSDXC card is new or doesn't have content you want to keep, you can format the card for use as part of the internal storage. If you move the microSDXC card to another device, it will need to be formatted before it can be used.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Storage**.
2. Tap the card name in the Portable storage section.
3. Tap **Format as internal**.
4. Tap **ERASE & FORMAT.**

   Caution: The formatting procedure erases all the data on the microSDXC card, after which the files CANNOT be retrieved.
5. The phone will prompt you to move your photos, files, and other data from the internal storage to the microSDXC card. Select **Move now** or **Move later** and tap **NEXT**. Follow the on-screen instructions to continue.

To move data between the internal storage and the microSDXC card:

With the microSDXC card as part of the internal storage, you can move your photos, files, and other data between the internal storage and the card at any time.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Storage**.
2. Tap the card name in the Device storage section.
3. Tap **Migrate data**.
4. Tap **MOVE**.

Note: Whenever you move data between the internal storage and the microSDXC card, the destination is used to save new apps and personal data (such as photos and videos), and only the destination is accessible from a computer.

To remove the microSDXC card (internal) from your phone:

If you need to remove the microSDXC card used as internal storage while the phone is on, you must unmount it first.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Storage**.
2. Tap the card name in the Device storage section.
3. Tap **Remove SD card**.

Note: Before ejecting the card, ensure that you have moved data and apps to the internal storage.

4. Tap **EJECT**.
5. When the screen prompts the card is safely ejected, you can remove it from the phone.

To reformat the microSDXC card as portable storage:

If you no longer want to use your microSDXC card as internal storage, you can reformat the card as portable storage.

Notes:

- If the microSDXC card has been ejected, you'll need to mount it first.
- Before the formatting, ensure that you have moved data and apps to the internal storage.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Storage**.
2. Tap the card name in the Device storage section.
3. Tap **Format as portable**.
4. Tap **FORMAT**.

Caution: The formatting procedure erases all the data on the microSDXC card, after which the files CANNOT be retrieved.

Sharing your mobile data connection

You can share your phone's data capabilities through USB tethering or by activating the mobile hotspot feature to create a Wi-Fi hotspot.

Sharing your mobile data connection via USB

You can access the Internet on your computer via the USB tethering feature of your phone. This feature requires a data connection on a mobile network and may result in data charges.

Note: You cannot transfer files between your phone and your computer via USB while the phone is USB tethered.

1. Connect your phone to your computer with a USB cable.
2. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **More** > **USB tethering**.
3. A new network connection will be created on your computer.

Note: To stop sharing your data connection, tap **USB tethering** again or disconnect the USB cable.

Sharing your mobile data connection as a Wi-Fi hotspot

You can share your phone's data connection with other devices by turning your phone into a portable Wi-Fi hotspot. The feature requires a data connection on a mobile network and may result in data charges.

Note: When the mobile hotspot feature is enabled, you cannot use your phone's Wi-Fi capability to access the Internet. You still remain connected to the Internet via your mobile data network.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Mobile Hotspot**.
2. Slide the switch to the **On** position. (If Wi-Fi was active, tap **OK** to deactivate it.)

   After a moment, the phone starts broadcasting its Wi-Fi network name (SSID).
3. On another device, locate your phone via Wi-Fi and connect with it to start using the phone's mobile data.

Note: To stop sharing your data connection, slide the switch to the **Off** position.

Setting up your mobile hotspot

You can change your phone's Wi-Fi network name (SSID), secure your portable Wi-Fi hotspot, and set other options.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Mobile Hotspot**.
2. Tap an option to configure settings.
   - **Configure:**
     - **Network name:** Enter or edit a network name (SSID) that other devices see when scanning for Wi-Fi networks.
     - **Channel:** To avoid interference with other Wi-Fi networks, try using a different channel.
     - **Security:** Choose a security option, **Open** (not recommended) or **WPA2 PSK** (other users can access your hotspot only if they enter the correct password). When you select WPA2 PSK, tap the **Password** field to edit the security password.
     - **Show password:** If you have chosen WPA2 PSK security, check or uncheck to show or hide the password.
     - **Broadcast network name (SSID):** Check to broadcast or uncheck to hide your network name (SSID). If the broadcast is disabled, other users need to get your network SSID to find the Wi-Fi hotspot.
   - **Manage users:** Block or unblock users, set the maximum number of devices that can connect to the hotspot simultaneously, and view a list of connected users.
   - **Sleep policy:** Set hotspot sleep policy and notification.

Connecting to virtual private networks

Virtual private networks (VPNs) allow you to connect to the resources inside a secured local network. VPNs are commonly deployed by corporations, schools, and other institutions to let people access local network resources when not on campus, or when connected to a wireless network.

Depending on the type of VPN you are using, you may be required to enter your login credentials or install security certificates before you can connect to your VPN. You can get this information from your network administrator.

Note: You need to set a lock screen pattern, PIN, or password before you can use credential storage (VPN).

Adding a VPN

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **More** > **VPN**.
2. Tap + and enter the VPN name.
3. Enter the server address and other information provided by your network administrator. Check **Show advanced options** to fill out additional details.
4. Tap **SAVE**.

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

Connecting to a VPN

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **More** > **VPN**.
2. Tap the VPN that you want to connect to.
3. When prompted, enter any requested credentials and tap **CONNECT**.

Modifying a VPN

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **More** > **VPN**.
2. Tap beside the VPN that you want to modify.
3. Tap a field to edit the information.
4. Tap **SAVE**.

Phone calls

You can place calls from the Phone app, the Contacts app, or other apps or widgets that display contact information. Wherever you see a phone number, you can usually tap it to dial.

Placing and ending calls

Placing a call by dialing

1. Press the **Home key** > > .
2. Enter the phone number or the contact name with the dialpad. Tap to delete incorrect digits/letters.

   Note: As you enter the phone number or the contact name, your phone searches for contacts that match. If you see the number and contact you want to dial, tap it to place the call immediately.
3. Tap below the keypad to dial.

You can also tap the search box at the top of the Phone app screen and enter the phone number or contact name you want to call. Tap the matching contact or **Call (number)** to place the call.

Notes:

- To make an international call, press and hold the **0 key** to enter the plus (+) symbol. Next, enter the country code, followed by the city/area code and then the phone number.
- To redial the last call you made, tap when the phone number field is empty to enter the number automatically. Then tap again.

Ending a call

During a call, tap on the screen.

Answering or rejecting calls

When you receive a phone call, the phone displays the Caller ID or the information about the caller that you've entered in Contacts. You can answer or reject the call, or reject it with a text message.

Answering a call

To answer an incoming call,

- If the phone screen is active, tap .
- If the phone screen is locked, slide down to .

Note: To silence the ringer before answering the call, press any one of the following keys: **Volume key**, **Power key**, **Home key**, **Back key**, or **Recent apps key**.

Rejecting a call

To reject an incoming call,

- If the phone screen is active, tap .
- If the phone screen is locked, slide up to .

You can also reject the call and select a preset text message or write one to send to the caller.

- If the phone screen is active, tap .
- If the phone screen is locked, tap **Message reject**.

Note: To edit the preset text responses from within the Phone app, tap > **Settings** > **Quick responses**.

Working with the call history

The call history is a list of all the calls you've placed, received, or missed. It provides a convenient way to redial a number, return a call, or add a number to your Contacts.

To open the call history, you can press the **Home key** > > > **Call History**.

Placing a call from the call history

1. Open the call history.
2. Tap a number for more information about the call, or tap beside it to call back.

Note: You can tap (missed call), (outgoing call), or (incoming call) to filter the records by call type.

Adding a call history number as a contact

1. Open the call history.
2. Tap the contact icon in front of a number.
3. Tap on the contact information tab.
4. To add the number to an existing contact, tap a contact in the list. To add a new contact, tap **Create new contact**.

Taking other actions on a call history entry

1. Open the call history.
2. Tap a listing, and then tap **Call details** to view more call information. While viewing the call details, you can:
   - Tap to delete the entry.
   - Tap to call the number.
   - Tap **Block number** > **BLOCK** to no longer receive calls or messages from the number.

     Note: To find all blocked numbers, press the **Home key** > > > **Settings** > **Call blocking**.
   - Tap **Copy number** to copy the number to the clipboard.
   - Tap **Edit number before call** to edit the number in the dialer before calling it.
   - Tap the contact icon in front of an entry to open the contact information tab. From here, you can send a message, call back, edit the contact, add the contact to favorites, or add the number to contacts.

Note: You can tap > **Clear call history** to clear all history records.

Calling your contacts

1. Press the **Home key** > .
2. Tap **FAVORITES**. Your favorite and frequently called contacts are displayed in the tab. Tap one to place a call.

   - or -

   Tap **CONTACTS**. Your full contact list is displayed. Tap beside a contact to place a call.

Checking voicemail

If you have set the phone to divert calls to voicemail, callers can leave voicemail messages when they cannot reach you. Here's how to check the messages they left.

1. Press the **Home key** > > .
2. Press and hold the **1 key** in the dialer. If prompted, enter your voicemail password.
3. Follow the voice prompts to listen to and manage your voicemail messages.

Note: See *Phone calls – Adjusting your call settings – Setting voicemail* for how to set your voicemail service. For detailed information, contact your service provider.

Using options during a call

During a call, you will see a number of on-screen options. Tap an option to select it.

- Tap ❚❚ to put the call on hold.
- Tap + to make another call separately from the first call, which is put on hold.
- Tap to go to contacts.
- Tap to open the dialpad when you need to enter a code (for example, the PIN for your voicemail or bank account) during the call.
- Tap to mute or unmute your microphone.
- Tap to turn the speakerphone on or off.
- Tap to merge the separate calls into a single conference call.
- Tap to put the caller you are speaking to on hold and switch to the other call.
- Tap to end the current call.

Warning! Because of higher volume levels, do not place the phone near your ear during speakerphone use.

Managing multi-party calls

When the call waiting and three-way call features are available, you can switch between two calls or set up a conference call.

Note: Options and interface will vary. The call waiting and three-way call features need network support and may result in additional charges. Please contact your service provider for more information.

Switching between current calls

When you're on a call and another call comes in, your phone screen informs you and displays the caller ID.

To respond to an incoming call while you're on a call:

Tap **Answer** or **Hold current and answer** to answer the call. This puts the first caller on hold and answers the second call.

Tap **End current and answer** to answer the second call and end the first one.

Tap to reject the second call.

Tap to reject the second call and select a preset text message or edit one to send to the caller.

To switch between two calls:

Tap .

Setting up a conference call

With this feature, you can talk to two people at the same time.

1. Place the first call.
2. Once you have established the connection, tap + and dial the second number. (This puts the first caller on hold.)
3. When you're connected to the second party, tap .
4. To end the conference call, tap .

Note: If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all callers are disconnected. To disconnect just one of the calls, tap **Manage conference call**, and then tap beside the number.

Adjusting your call settings

You can configure a number of settings for the Phone application.

Note: Some call options are displayed only when these features are available, and some features need network support and may result in additional charges. Please contact your service provider for more information.

Setting contact display options

You can set the order of the contacts displayed in the CONTACTS tab of the Phone app.

1. Press the **Home key** > > > **Settings** > **Display options**.
2. Tap **Sort by** or **Name format** to set the order of the contacts and the format of the contact names.

Setting sounds and vibration

Set the sounds and vibration for incoming calls as well as dialpad sounds.

1. Press the **Home key** > > > **Settings** > **Sounds and vibration**.
2. Tap the option you want to configure.
   - Tap **Phone ringtone** to select the ringtone for incoming call notification.
   - Check **Also vibrate for calls** to enable vibration for incoming calls.
   - Check **Dialpad tones** to play sounds when you tap the dialpad keys.

Setting options for answering and ending calls

When enabled, these options allow you to end a call by pressing the Power key or make the phone vibrate when a call is answered.

1. Press the **Home key** > > > **Settings** > **Answer and end calls**.
2. Tap an option:
   - Check **Power button ends call** to enable ending calls by pressing the **Power key**.
   - Check **Vibrate when call is answered** to enable the phone to vibrate when a call is answered.

Setting speed dials

You can press and hold the 1 - 9 keys from the dialer to call the corresponding speed dial number.

The 1 key is reserved to speed dial your voicemail.

To assign a speed dial key:

1. Press the **Home key** > > > **Settings** > **Speed dial.**
2. Tap a speed dial key.
3. Enter a phone number or tap > **Contacts** and select one from the contact list.
4. Tap **OK**.

Editing quick responses to rejected callers

1. Press the **Home key** > > > **Settings** > **Quick responses**.
2. Tap a text message to edit it.
3. Tap **OK** to save the message.

Setting voicemail

1. Press the **Home key** > > > **Settings** > **Call settings** > **Voicemail**.
2. Tap an option to configure voicemail settings.
   - Tap **Service** to select the voicemail service provider. Your carrier is the default.
   - Tap **Setup** to view the voicemail number; if needed, tap **Voicemail number** to edit it.
   - Tap **Sound** to select the notification sound for new voicemails.
   - Check **Vibrate** to enable vibration for notifications.

Using Fixed Dialing Numbers

Fixed Dialing Numbers (FDN) allows you to restrict outgoing calls to a limited set of phone numbers.

1. Press the **Home key** > > > **Settings** > **Call settings** > **Fixed Dialing Numbers**.
2. Tap an option:
   - **Enable FDN:** Input the PIN2 code to enable the FDN feature.

- **Change PIN2:** Change the PIN2 code for FDN access.
- **FDN list:** Manage the FDN list.

Note: The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code more times than allowed can get your nano-SIM card locked. Contact the service provider for assistance.

Forwarding incoming calls

The call forwarding feature allows you to forward your incoming calls to another phone number.

1. Press the **Home key** > > > **Settings** > **Call settings** > **Call forwarding.**
2. Tap an available option to enable or disable it.

Setting call waiting

This option allows you to get notified of incoming calls during a call.

1. Press the **Home key** > > > **Settings** > **Call settings** > **Call waiting**.
2. Check **Call waiting** to enable this feature.

Setting caller ID

Choose whether your number is displayed when someone receives your outgoing call.

1. Press the **Home key** > > > **Settings** > **Call settings** > **Additional settings**.
2. Tap **Caller ID** and select an option.

Blocking certain calls

You can add numbers to the blocked numbers list to filter out calls and messages from these numbers.

1. Press the **Home key** > > > **Settings** > **Call blocking**.
2. Tap **ADD A NUMBER**.
3. Enter the phone number or tap > **Contacts** and select one from the contact list.

4. Tap **BLOCK**.

Note: To unblock a number, tap on its right and tap **UNBLOCK**.

Setting TTY mode

Your phone is a TTY compatible device. A TTY device can allow people who have hearing or speech disabilities to communicate by telephone. Simply connect the TTY device to the phone's headset jack.

Select a TTY mode for your phone to work with a TTY device, or turn TTY off.

1. Press the **Home key** > > > **Settings** > **Accessibility** > **TTY mode**.
2. Select one of the following options (consult your teletypewriter manufacturer's manual, if necessary):
   - **TTY Off:** Users who can hear and talk can disable TTY support.
   - **TTY Full:** Users who cannot talk or hear may use this mode to send and receive text messages through a TTY device.
   - **TTY HCO:** Users who can hear, but cannot talk, may use this mode to listen to the other party and respond via text messages.
   - **TTY VCO:** Users who can talk, but cannot hear, may use this mode to talk through the phone and receive responses via text messages.

Setting hearing aids

Your phone supports the HAC (Hearing Aid Compatibility) function. If you use a hearing aid with a telecoil and turn on hearing aid compatibility, it will help you to hear more clearly during phone calls.

1. Press the **Home key** > > > **Settings** > **Accessibility**.
2. Check **Hearing aids** to turn on hearing aid compatibility.

Caution: Do not turn on the Hearing aids option unless you use a hearing aid with a telecoil. Using this setting without a hearing aid or with a hearing aid without a telecoil may be harmful to your hearing.

Contacts

You can add contacts on your phone and synchronize them with the contacts in your Google account or other accounts that support contact syncing.

To see your contacts, press the **Home key** > . From there, you can tap the tabs to quickly switch to favorite contacts and contact groups.

Checking contact details

1. Press the **Home key** > > **CONTACTS**.
2. Scroll through the list to view all your contacts.
3. Tap a contact to view its details.

Note: There is a slider on the right side of the screen. To go directly to a letter, press and hold the slider and drag it to a letter.

Adding a new contact

1. Press the **Home key** > > **CONTACTS**.
2. Tap to add a new contact.
3. Enter the contact name, phone numbers, and email addresses. Tap **More Fields** to enter other information. If you have multiple account types associated with your phone, tap the contact account field at the top and select a contact type. If a sync account is selected, the contacts will be synced automatically with your account online.
4. Tap to save the contact.

Setting up your own profile

You can create your own name card in your phone.

1. Press the **Home key** > > **CONTACTS**.
2. Tap **Set up my profile**. If a profile has already been set up, tap the listing below **ME** and tap .
3. Edit your profile information. Tap **More Fields** to add more information.
4. Tap to save.

Importing, exporting, and sharing contacts

You can import/export contacts from/to the nano-SIM card, the phone storage, or the microSDXC card. This is especially useful when you need to transfer contacts between different devices. You can also quickly share contacts using Messaging, Email, *Bluetooth*, Google Drive, Gmail, etc.

Importing contacts from the phone storage or microSDXC card

1. Press the **Home key** > .
2. Tap > **Import/Export** > **Import from storage**.
3. If prompted, choose to import one, multiple, or all vCard files, and then tap **OK**.
4. If prompted, choose the vCard file(s) you would like to import, and then tap **OK**.

Importing contacts from the nano-SIM card

1. Press the **Home key** > .
2. Tap > **Import/Export** > **Import from SIM card**.
3. Check the contacts you want to import, and then tap .

Exporting contacts to the phone storage or microSDXC card

1. Press the **Home key** > .
2. Tap > **Import/Export** > **Export to storage**.
3. The phone will prompt you with the name of the vCard file. Tap **OK** to create the file.

Exporting contacts to the nano-SIM card

1. Press the **Home key** > .
2. Tap > **Import/Export** > **Export to SIM card**.
3. Check the contacts you want to export, and then tap .

Sharing contacts

1. Press the **Home key** > > **CONTACTS**.
2. Tap > **Multi-select**.
3. Tap the contacts you want to share, and then tap .
4. Choose how to share the contacts.The options available depend on the applications and services installed.

Note: You can also share your contacts by choosing **Share visible contacts** in the Import/export contacts menu.

Working with favorite contacts

You can add the contacts you use frequently to FAVORITES so that you can find them quickly.

Adding a contact to favorites

1. Press the **Home key** > > **CONTACTS**.
2. Tap a contact, and then tap ☆ at the top of the screen.

Removing a contact from favorites

1. Press the **Home key** > > **FAVORITES**.
2. Tap a favorite contact, and then tap ★ at the top of the screen.

Working with groups

Viewing your contact groups

1. Press the **Home key** > > **GROUPS**.
2. Scroll through the list to view the preset groups and any groups you have created.
3. Tap a group to view its members.

Note: To send a message or an email to all or some of the group members, tap a group > > **Send group message/Send group email**.

Setting up a new group

1. Press the **Home key** > > **GROUPS**.
2. Tap to create a new group.
3. If you have added contact accounts other than the phone, select an account for the new group.
4. Tap **Group's name** and enter a name.
5. Tap **Add member** and select the contacts you wish to add to the group.
6. Tap ✓.
7. If necessary, tap the fields below **RingTone** and **Notification sound** to set a special ringtone for incoming calls and messages from the group members, and then tap **OK**.
8. Tap ✓ to save the group.

Deleting a group

1. Press the **Home key** > > **GROUPS**.
2. Tap a group, and then tap > **Delete group**.
3. Tap **OK** to disband the group. The contacts in the group will not be deleted.

Editing a group

1. Press the **Home key** > > **GROUPS**.
2. Tap a group, and then tap > **Edit group**.
3. Tap the group name to edit it, or tap the field below **Member**, **RingTone**, or **Notification sound** to add more members or change the ringtone.
4. Tap to save.

Note: To remove group members, tap a group and then tap > **Multi-select**. Select the members you would like to remove. Tap > **OK**.

Searching for a contact

1. Press the **Home key** > , and then tap to search.
2. Input the contact name or other information (such as phone number) you want to search for. The contacts matched will be listed.

Editing contacts

Editing contact details

1. Press the **Home key** > > **CONTACTS**.
2. Tap a contact and then tap .
3. Edit the contact and tap .

Setting a ringtone for a contact

Assign a special ringtone to a contact, so you know who is calling when you hear the ringtone.

1. Press the **Home key** > > **CONTACTS.**
2. Tap a contact you want to set a ringtone for, and then tap .
3. Tap **More Fields**, and then tap **Default ringtone**.
4. Select a ringtone you like and tap **OK**.
5. Tap .

Linking duplicate contacts

As your phone synchronizes with multiple online accounts, you may see duplicate entries for the same contact. You can merge all the separate information of a contact into one entry in the Contacts list.

1. Press the **Home key** > > **CONTACTS**.
2. Press and hold a contact to select it.
3. Tap the duplicate contacts to select them.
4. Tap , and then tap **LINK**.

Separating contact information

If contact information from different sources was linked in error, you can separate the information back into individual contacts on your phone.

1. Press the **Home key** > > **CONTACTS.**
2. Tap a linked contact you want to separate.
3. Tap > > **Unlink**.
4. Tap **UNLINK** to confirm.

Accounts

Adding or removing accounts

You can add multiple Google accounts and Microsoft Exchange ActiveSync® accounts. You may also add other kinds of accounts, depending on the apps installed on your phone.

Adding an account

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Accounts** > **Add account**.
2. Tap the type of account you want to add.
3. Follow the on-screen steps to enter the information about the account. Most accounts require a username and password, but the details may vary. You may also need to obtain some information from IT support or your system administrator.

When the account is successfully added, it is displayed in the Accounts menu in Settings.

Removing an account

Removing an account will delete it and all information associated with it, such as emails and contacts, from your phone.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Accounts**.
2. Tap the account category and then tap the account you'd like to remove.
3. Tap > **Remove account** > **REMOVE ACCOUNT**.

Configuring account sync

Configuring auto-sync settings

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Accounts**.
2. Tap and check or uncheck **Auto-sync data** to enable or disable automatic sync.
   - When automatic sync is turned on, changes you make to information on your phone or on the web are automatically synced with each other.
   - When automatic sync is turned off, you need to sync manually to collect emails, updates, or other recent information.

Syncing manually

When auto-sync is turned off, you can sync data manually.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Accounts**.
2. Tap the account category and then the account you want to sync.
3. Tap > **Sync now**.

Changing an account's sync settings

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Accounts**.
2. Tap the account category and then the account. The Sync settings screen appears, showing a list of information the account can sync.
3. When auto-sync is enabled, tap items to switch syncing on or off as you need. The types of information with syncing switched on will be kept in sync automatically between the phone and the web. When auto-sync is disabled, tap an item in the list to sync that type of information between the phone and the web.

Email

Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Email**. Use Email to read and send email from Microsoft Exchange ActiveSync, Gmail, Hotmail, Yahoo!®, and more.

Setting up the first email account

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Email**.
2. Select an email server, and then enter the email address and password.
3. Tap **NEXT** to let the phone retrieve the network parameters automatically.

   Note: You can also enter these details manually by tapping **MANUAL SETUP** or if automatic setup fails.
4. Follow the on-screen instructions to finish setup.

Your phone will show the inbox of the email account and start to download email messages.

Checking your email

Your phone can automatically check for new emails at the interval you set when setting up the account. You can also check for new emails manually by dragging down on the message list.

To load earlier emails, swipe up to reach the bottom of the message list, and tap **LOAD MORE**.

You can adjust how often your account downloads new emails. From your inbox, tap > **Settings** > the account name > **Sync settings** > **Sync frequency**. Tap an option to select it.

Writing and sending an email

1. Open your email inbox and tap .

   Note: If you have more than one email account added on the phone, tap the sender field to select the account you want to use for sending the message.
2. Enter a contact name or email address in the **To** field. Separate each recipient with a comma. You can also tap to select recipients from your contacts, groups, or history.

   Note: To send a carbon copy or blind carbon copy to other recipients, tap beside the **To** field to open the Cc and Bcc fields, and enter the contact names or email addresses.
3. Enter the email subject and compose the email text.
4. Tap to add audio files, images, videos, and other types of files as attachments.
5. Tap at the top right of the screen to send the message.

Responding to an email

You can reply to or forward an email that you receive. You can also delete emails and manage them in other ways.

Replying to or forwarding an email

1. Open the email you want to reply to or forward from the inbox.
2. Choose one of the following:
   - To reply to the sender, tap .
   - To reply to the sender and all recipients of the original email, tap .
   - To forward the email, tap .
3. Edit your message and tap .

Marking an email as unread

You can return a read email to the unread state (for example, to remind yourself to read it again later). You can also mark a batch of emails as unread.

- While reading a message, tap > **Mark unread**.
- While in a message list (for instance, the inbox), tap the circle beside the message(s), and then tap .

Deleting an email

You can delete an email or a batch of emails.

- While reading a message, tap .
- While in a message list (for instance, the inbox), slide a message left or right, or tap the circle beside the message(s) and tap .

Note: If you accidentally delete an email, tap **UNDO** to retrieve it.

Adding and editing email accounts

Adding an email account

After setting up your first email account (see *Email – Setting up the first email account*), you can add more email accounts and manage them separately.

1. Open the Email app.
2. Tap > **Settings** > **Add account**.
3. Set up the account as you did with the first one.

Editing an email account

You can change a number of settings for an account, including how often you check for email, how you're notified of new emails, your email signature, and details about the servers the account uses to send and receive emails.

1. Open the Email app.
2. Tap > **Settings**, and then tap the account whose settings you want to change.
3. Make the changes, and tap ← or press the **Back key** when you're finished.

Changing general email settings

General settings apply to all email accounts you add.

1. Open the Email app.
2. Tap > **Settings** > **General settings**.
3. Make the changes, and tap ← or press the **Back key** when you're finished.

Messaging

You can use Messaging to exchange text messages (SMS) and multimedia messages (MMS).

Opening the messaging screen

Press the **Home key** > .

The Messaging screen opens, where you can create a new message, search for messages, or open an ongoing message thread.

- Tap to write a new text or multimedia message.
- Tap to search for a message using keywords.
- Tap an existing message thread to open the conversation.

Sending a message

1. On the Messaging screen, tap .
2. Add recipients:
   - Manually enter the recipient's number or the contact name. (You can tap to enter numbers with a dialpad.) If the phone presents a few suggestions, tap the one you want to add.
   - Select a recipient from your contacts by tapping **FREQUENTS** or **ALL CONTACTS** and tapping a name.
   - To add more recipients, tap . Enter numbers or contact names, or select from your contacts. Tap .
3. Tap the **Send message** field and enter the content of your text message.
4. If you want to send a multimedia message, tap to add pictures, audio recordings, videos, or other files to the message.
5. Tap .

Notes:

- You can also include email addresses as recipients for multimedia messages.
- Do not add an attachment if you want to send a text message. Otherwise you may be charged for a multimedia message.

Replying to a message

Messages you receive are appended to existing threads of the same number. If the new message comes from a new number, a new thread is created.

1. On the Messaging screen, tap the thread that has the message you want to reply to.
2. Type your reply in the text box at the bottom. You can tap if you want to reply with an MMS.
3. Tap .

Forwarding a message

1. On the Messaging screen, tap the thread that has the message you want to forward.
2. Press and hold the message, and then tap .
3. Tap an existing thread, or tap to enter a recipient for the message.
4. Edit the content, if needed.
5. Tap .

Deleting messages or threads

Deleting messages in a thread

1. On the Messaging screen, tap a thread.
2. Press and hold the message you want to delete.
3. Tap > **DELETE**.

Deleting message threads

1. On the Messaging screen, press and hold one thread you want to delete.
2. If there are more threads you want to delete, tap them one by one.
3. Tap > **DELETE**.

Changing message settings

Tap > **Settings** in the Messaging screen to change the messaging settings.

Calendar

Calendar on the phone works with the web-based Google Calendar™ service for creating and managing events, meetings, and appointments. It also works with the Microsoft Exchange ActiveSync calendar once you sign in to your Exchange account on the phone.

To open Calendar, tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Calendar**.

Viewing your calendars and events

Selecting visible calendars

1. Open the Calendar app.
2. Tap > **Calendars to display**.
3. Tap to check the calendars you want to see or uncheck the calendars you'd like to hide.

Events from hidden calendars are not shown in the Calendar app.

Changing calendar views

You can view your calendars in different forms. The app offers four views: Month, Week, Day, and Agenda. To change calendar views, tap the date at the top left and select the view you prefer.

- In Month, Week, or Day view, swipe horizontally to see earlier and later months, weeks, or days.
- In Agenda view, swipe vertically to see all your events.
- When you are viewing earlier or later days, weeks, or months, tap the date icon at the top right to quickly switch to today.
- To quickly switch to a specific date, tap > **Go to date**, tap the desired date, and tap **OK**.

Viewing event details

In Agenda, Day, or Week view, tap an event to view its details.

In Month view, tap a day to view events on that day, and then tap an event to view its details.

Creating an event

1. In any Calendar view, tap to open an event details screen for a new event.

   You can also tap twice on a spot in Day or Week view to add an event to that time spot.
2. Add details about the event.

   Note: If you have more than one calendar, you can choose the calendar to which to add the event by tapping the current calendar above the **Event name** field. Different accounts may present different event detail fields.
3. Tap **SAVE** to save the new event.

Note: You can also create a new event by copying the details of an existing event. Open the event details screen, tap > **Copy**, edit the new event information, and tap **SAVE**.

Editing, deleting, or sharing an event

1. Find the event you want to edit, delete, or share.
2. Open its details screen (see *Calendar – Viewing your calendars and events – Viewing event details*).
3. Choose one of the following options:
   - To edit the event, tap . Tap **SAVE** to save your changes.
   - To delete the event, tap > **OK**.
   - To share the event, tap and choose an option.

Changing calendar settings

To change Calendar settings, open a Calendar view (Day, Week, Month, or Agenda) and tap > **Settings**. You can change General settings, which apply to all accounts, or other settings that only apply to specific accounts.

- To add a calendar account, tap > **Settings** > to add a corporate or Google account.
- For General settings, choose options for Calendar view setting and Notifications & reminders. You can choose to show the week number, set the day of the week the calendar starts on, and use home time zone when you travel. You can also change the event reminder settings, such as notification sound, vibration, and default reminder time.

Searching an event

Tap > **Search event**, and then type the event in the Search field or tap to speak out the event you want to search.

Browser

Use Browser to view web pages and search for information.

Opening the browser

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Browser**.

   Note: The browser also opens when you tap a web link (for example, in an email or a text message).
2. Tap the address box at the top of the web page.
3. Enter the address (URL) of a web page or terms you want to search for.
4. Tap a URL or search suggestion, or tap the enter key on the keyboard to open the web page or search results.

Setting the home page

Your home page opens when you open a new browser tab, and when you open Browser after restarting your phone.

1. Open the Browser app.
2. Tap > **Settings** > **Set homepage**.
3. Enter the URL, and tap **OK** to set it as the home page.

Using multiple browser tabs

You can open several web pages at the same time (one page in each tab) and switch between them freely.

Opening a new browser window

Tap (1) at the top of the screen, and then tap **+ADD**. A new browser window opens, and the home page is loaded.

Switching between browser windows

1. Tap (2) at the top of the screen. Titles of opened web pages appear as a list.
2. Tap the title you want to open.

Note: Tap or swipe left or right to close a browser window.

Downloading files

1. Press and hold an image or a link to a file or to another web page.
2. In the menu that opens, tap **Save image** or **Save link**.

The downloaded files are saved to your phone or microSDXC card. You can view or open them in the Downloads app.

Using bookmarks

Adding a bookmark

1. Tap > **Add to bookmark**.
2. If needed, edit the title and the URL of the bookmark in the fields, and select the folder to contain the bookmark.
3. Tap **SAVE BOOKMARK**.

Opening a bookmark

1. Tap > **Bookmarks**.
2. Tap the bookmark you need.

Editing a bookmark

1. Tap ⋮ > **Bookmarks**.
2. Tap ⋮ beside the bookmark you want to edit, and tap **Edit**.
3. Edit the title and the URL of the bookmark, or select a new folder for the bookmark.
4. Tap **SAVE BOOKMARK**.

Removing a bookmark

1. Tap ⋮ > **Bookmarks**.
2. Press and hold the bookmark, and then tap 🗑 > **DELETE**.

Clearing browsing history

1. Tap ⋮ > **History**.
2. Tap **CLEAR ALL** to clear all browsing history.

Note: From the main Browser screen, you can tap ⋮ > **Settings** > **Incognito browsing** to turn on incognito mode so that no browsing history is recorded.

Changing browser settings

You can configure a number of settings to customize the way you browse the web, including several that you can use to control your privacy.

In the main Browser screen, tap ⋮ > **Settings**.

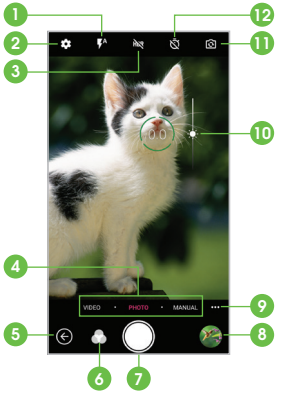
Camera

You can take photos and record videos. Photos and videos are stored on the microSDXC card, if you have installed one, or to the phone's internal storage. You can copy them to your computer or access them in the Gallery app.

Capturing a photo

1. Press the **Home key** > 📷.
2. Aim the camera at the subject and make any necessary adjustment. PHOTO (auto camera) mode is used by default.
3. Tap the area where you want the camera to focus, or let the camera autofocus on the center of the image.
4. Lightly tap ◯ to take the picture.

Note: If the Take photo fingerprint action has been enabled, you can also press the **Fingerprint sensor** to take a photo.



Number	Function
1	Change the flash setting (back camera only).
2	Change the camera settings.
3	Enable or disable the High-Dynamic Range (HDR) feature (back camera only).

4	Switch between video mode, automatic camera mode, and manual camera mode (back camera) or Beautify (front camera).
5	Exit the application.
6	Select a special effect for pictures and videos.
7	Capture a photo.
8	View photos and videos you have captured.
9	Switch to PANORAMA, MULTI EXPOSURE, or TIMELAPSE mode (back camera only).
10	Adjust the focus point and exposure.
11	Switch between the front and the back cameras.
12	Set a delay between when you tap the shutter and when the camera takes a picture.

Warning! Keep a safe distance when using the flash. Do not point the flash towards the eyes of people or animals.

Notes:

- You can pinch or spread your fingers on the screen to zoom in or out before taking a picture.
- In PHOTO (auto camera) mode, when you tap the screen to focus, the exposure bar appears beside the focus point. You can drag ☀ up or down to adjust the exposure.
- When you use the front camera, you can tap to use smile detection or **BEAUTIFY** to use Beautify mode.

Using manual camera mode

You can use the Manual camera mode to adjust more camera options for your photo, such as ISO, white balance, and exposure.

1. Press the **Home key** > > **MANUAL**.
2. Aim the camera at the subject. You can make the following adjustments:
   - Drag the green circle to any area on the screen that you want to focus on. Press and hold it to lock the focus.
   - Drag the yellow square to any area on the screen where you want the camera to meter exposure to adjust the photo brightness. Press and hold the square to lock exposure.
   - Tap to unfold more options: shutter speed, ISO, overall exposure, white balance, interval for time-lapse pictures, and focus. You can also tap one icon to unfold one setting.
3. Tap to take the photo.

Using other camera modes

Besides capturing photos and videos in the traditional way, your Camera app offers other powerful and interesting camera modes. Tap ••• in the viewfinder screen to find them all.

- **PANORAMA:** Capture panorama pictures both horizontally and vertically.
- **MULTI EXPOSURE:** Capture multiple photos to create collages and special effects.
- **TIMELAPSE:** Record time-lapse videos (back camera only); you can set the time interval between each frame.

Recording a video

1. Press the **Home key** > > **VIDEO.**
2. Aim the camera at the subject and make any necessary adjustments. You can tap any area on the screen that you want the camcorder to focus on before and during recording.
3. Tap to start recording. You can tap / to pause or resume recording, or tap to save the frame as a photo.
4. Tap to stop recording.

Notes:

- You can pinch or spread your fingers on the screen to zoom in or out before and during recording.
- When you tap the screen to focus during recording, the exposure bar appears beside the focus point. You can drag up or down to adjust the exposure. Press and hold the focus point to lock the focus.
- To capture time-lapse video, tap > **TIMELAPSE**. Tap to start recording and to stop. While recording, you can tap to save the frame as a photo.

Customizing camera and video settings

Before capturing a photo or a video, you can tap to open the following options.

Note: Some camera and video options will change in different camera modes.

- **Resolution:** (front and rear camera) Set the image size for your photo.
- **Video quality:** (Video mode) Set the quality for your video.
- **Tap to capture:** (front camera) Tap on the screen to take photos.

- **Mirror image:** (front camera) Take a mirror photo.
- **Selfie indicator:** (front camera) Capture natural expressions by looking at the selfie indicator on screen.
- **Metering:** (Manual mode) Adjust the light metering setting.
- **Histogram:** (Manual mode) Turn the histogram on or off. The histogram shows the brightness and darkness of the current view.
- **Composition:** (Manual mode) Show or hide grid or golden spiral (used for balanced photo composition).
- **Gradienter:** (Manual mode) Enable or disable the gradienter.
- **Water mark:** (rear camera) Apply a watermark to your photos.
- **Shutter tone:** Turn the shutter tone on or off.
- **Geo-tagging:** Select whether to store the GPS location in your captured photos and videos.
- **Auto review:** Adjust settings for auto review, which shows you photos immediately after you take them so that you can delete or share them right away.
- **Volume key:** (front and rear camera) Assign the function of the Volume key for the Camera app: Take photo, Zoom, or Volume.
- **Anti-banding:** Set the anti-banding value to avoid stripes on the screen when you take pictures or record videos of TV or computer screens.
- **Save location:** Change the storage location for captured photos and videos when a microSDXC card is installed.
- **Help:** Enable the Help icon on the viewfinder screen, or tap **More** to view help details.
- **Restore defaults:** Restore default camera and video settings.

Gallery

Opening Gallery

Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Gallery** to view your pictures and videos.

Working with albums

When you open Gallery, all pictures and videos on your phone are displayed. Tap **Photos** or **Albums** to select a view mode. Photos displays contents in chronological order, and Albums displays contents organized by album.

Viewing album contents

In Albums view, tap an album to view the pictures and videos it contains.

Sharing albums, pictures, or videos

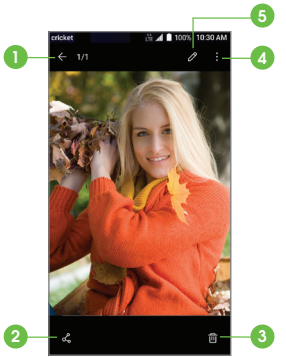
1. Press and hold an album, picture, or video to select it.
2. Tap more items that you want to share.
3. Tap and select how you want to share the items.

Deleting albums, pictures, or videos:

1. Press and hold an album, picture, or video to select it.
2. Tap more items that you want to delete.
3. Tap > **OK**.

Working with pictures

Tap a picture to view it in full screen. Double-tap the picture, or pinch two fingers together or spread them apart to zoom out or in. Slide left or right to view other pictures in the album/timeline.



Number	Function
1	Tap to return to the album or timeline view.
2	Share the picture.
3	Delete the picture.
4	View more options, such as rename and print.
5	Edit the picture.

Notes:

- Pinch a picture or video to make it smaller. You'll then see a filmstrip-style view of all your pictures and videos in a row. Swipe left or right to scan through them all.
- You can delete a picture or video by tapping > **OK** or by swiping it up in the filmstrip view. If you accidentally delete one by swiping it up, tap **Undo** to retrieve it.
- Not all options may be available for certain albums or pictures.

Retouching your pictures

You can edit any photos you took and some other pictures in Gallery with Photo Editor. The changed picture is saved in the same album as the original one, which is not affected.

1. While viewing a picture in full screen, tap the screen and tap .
2. Tap the icons along the bottom of the screen to edit the picture.

	Apply filters, old photo effects, or blur effects.
	Crop, rotate, or flip (mirror) the picture.
	Adjust exposure, contrast, sharpness, and other light options.
	Adjust the color of the picture.
	Select a color and draw, add text, or apply a mosaic effect on the picture.

3. Tap to keep the change, or tap to cancel it.
4. Tap to save the new picture.

Note: Tap in the Photo Editor screen to see the edits you have made and undo or redo them.

Making a GIF or a collage

You can put together a few pictures in the same album to make an animated GIF or a collage of pictures.

1. Open the Gallery app and tap > **Gif Maker** or **Collage Maker**.
2. Tap an album.
3. Tap the pictures you want. (You can exit the album and open other albums to add more pictures.)
   - To make a GIF, tap 2 to 50 pictures in the order (or reverse of the order) that you want them to appear in the GIF.
   - To make a collage, tap 2 to 9 pictures.

   The pictures you tapped are displayed along the bottom of the screen. Tap to remove the pictures you do not want.
4. Tap **Next**. The GIF or collage is displayed.
5. Tap the options along the bottom to adjust the final picture.
   - For GIF, you can adjust the speed, order, and size, or tap **MORE** to adjust each picture, and then tap **Manage Frame** to rearrange the pictures.
   - For collage, tap **TEMPLATE**, **FREE**, or **COLLAGE**, and then select a border, shading, and style.
6. When you are satisfied with the final picture, tap to save the GIF or tap to save the collage.

Depending on your storage setting, the picture is saved to the *picture_editor/Collage* or */GIF* folder in your phone storage or your microSDXC card.

Playing videos

1. Tap an album in Gallery, and then tap the thumbnail of a video.
2. Tap at the center to start playing.
3. Tap the screen to view the playback controls.

Music

Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Music** to play audio files stored on your phone. Music supports a wide variety of audio formats, so it can play music you purchase from online stores, music you copy from your CD collection, and more.

Copying music files to your phone

Before using Music, you need to copy or download audio files to your phone.

Copying from a computer

1. Connect your phone and the computer with a USB cable.
2. Tap **Media device (MTP)** as the connection mode (see *Connecting to networks and devices – Connecting to your computer via USB*).
3. Copy the music files from the PC to the phone storage or microSDXC card.

Downloading from the internet

You can download music files from various sources, such as Google Play Music.

Receiving via Bluetooth

You can receive music files from other devices via *Bluetooth* (see *Connecting to networks and devices – Connecting to Bluetooth devices – Receiving data via Bluetooth*).

Receiving via Wi-Fi Direct

You can receive music files from other devices via Wi-Fi Direct (see *Connecting to networks and devices – Using Wi-Fi Direct*).

Viewing your music library

Open Music, and your music library is displayed. All your audio files are cataloged according to the information stored in the files.

- Tap **All Songs** to view all music files on your phone.
- Tap **Artists** or **Albums** to browse music files on your phone organized by the artist or album name.
- Tap **Folders** to find music files through the folders they are stored in.
- Tap **Favorites** to browse music files you have marked as favorites.
- Tap **Playlists** to view all music playlists you have created.

Note: If an audio file is being played, its name and player controls are displayed at the bottom of the screen. Tap the area to open the playback screen.

Setting a song as the default ringtone

The song will be used as the ringtone for all incoming calls, except those from contacts to whom you have assigned special ringtones (see *Contacts – Editing contacts – Setting a ringtone for a contact*).

1. Open Music to see your music library.
2. Tap next to a song in any list.
3. In the menu that opens, tap **Set as ringtone**.

   Note: If the song is being played and you're in the playback screen, you can tap > **Set as ringtone**.
4. Tap **Phone Ringtone** or **Notification Ringtone**.

Playing music

Tap a song in the music library to listen to it. Tap the playback bar at the bottom of the screen to open the following playback screen:



Number	Function
1	Song, album, and artist information.
2	Return to the music library.
3	Album artwork (if available). Swipe left or right to switch to the next or previous song.
4	Open the Dolby Audio app.
5	View track information.

6	Turn shuffle on or off.
7	Playback control. Skip songs or pause and resume playback. Drag the slider to jump to any part of the song.
8	Toggle repeat mode: repeating current song, repeating all songs, or sequential.
9	Add the song to your favorites.
10	Access additional options.
11	View the current playlist.

You can still control the music when you are not in the playback screen.

- In other apps, swipe down to open the Notification Panel. Tap the song title to restore the playback screen, or you can pause/resume playback or skip songs.
- When the screen is locked, the song information, album cover, and playback controls are displayed on the screen. Tap the song title to restore the playback screen, or you can pause/resume playback or skip songs.

Managing playlists

Create playlists to organize your music files into sets of songs, so that you can play the songs you like in the order you prefer.

- Tap ⋮ > **Add to playlist** next to a song to add it to a playlist or create a new playlist.
- Tap ⋮ > **Delete** next to a playlist to delete the playlist.
- Tap ⋮ > **Rename** next to a playlist to rename the playlist.
- Tap a playlist to view its content. To delete a song, press and hold the song. Tap additional songs to select multiple songs for removal. Tap ⊖ to remove the songs from the playlist.

Video Player

Use the Video Player app to manage your video library and to watch videos.

Opening the video library

Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Video Player** to view your video library. Swipe up or down to find the video you want. You can also tap to search for video files, or tap > **View by** or **Sort by** to change the display mode or sort the list.

Playing and controlling videos

Tap a video in the video library to play it. Tap the screen to show the playback controls. You can control the video and audio or carry out other operations.



Number	Function
1	Return to the video library list.
2	Change the video ratio (fit to screen).
3	Playback control: Skip videos or pause and resume playback. Drag the slider to jump to any part of the video.
4	Rotate the video.
5	Share, trim, or delete the video, or configure player settings.
6	Hide video playback controls and lock the touch screen.
7	Take a screenshot.
8	Open the Dolby Audio app to customize sound options.

Notes:

- Slide horizontally on the video to rewind or fast forward.
- Slide vertically on the right or left part of the screen to adjust volume or brightness, respectively.
- Tap or to skip to the previous or the next video.

Managing video files

Deleting videos

1. In the video library, tap > **Multi-Select**, or press and hold a video.
2. Tap the videos you want to delete.
3. Tap > **OK**.

Sharing videos

1. In the video library, tap > **Multi-Select**, or press and hold a video.
2. Tap the videos you want to share.
3. Tap and select how you want to share them.

Trimming a video

1. Tap a video to start playing it.
2. Tap > **Trim**.
3. Drag the two tabs on the progress bar to select the portion you want to keep. You can tap ▶ to preview the selected portion.
4. Tap . The trimmed video is saved as a new video file.

Note: You cannot trim the video during the preview.

Sound Recorder

Sound Recorder enables you to record voice memos and listen to them whenever you like.

Recording a voice memo

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Sound Recorder**.
2. Tap HQ to turn high-quality recording on or off.
3. Tap to start recording. During recording, you can tap to pause and to continue recording.
4. Tap to stop recording. The memo is automatically saved.

Playing a voice memo

Playing a memo you just recorded

Tap at the bottom of the screen.

Playing any saved memo

1. Tap at the top right of the screen to see all recordings.
2. Tap the title of a memo to play it.

Note: You can also tap next to a memo to delete, share, rename, tag, trim, check file information, or set as phone or notification ringtone.

More apps

Backup & Restore

Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Backup & Restore**. You can regularly back up your user data, such as contacts and messages, and installed applications to the memory card. If the data gets lost, restore it from the memory card.

Tap > **Help** to view a detailed guide.

Calculator

Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Calculator** to use the phone's convenient built-in calculator for some basic as well as advanced mathematical equations.

Note: To see more calculator options, swipe left while holding the phone in portrait view or turn the phone to landscape view.

Clock

Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Clock**. The Clock app allows you to check local time in places around the world, set alarms, and use timers.

Setting a new alarm

1. Open the Clock app and tap .
2. Tap a default alarm to configure it, or tap at the bottom of the screen to create a new alarm.
3. Set up the alarm options, such as time, alarm days, snooze, alarm ringtone, and label.
4. Tap **Save** to save and exit.

Notes:

- To enable or disable existing alarms directly, tap the switches on the right side of each alarm.
- Tap to configure alarm settings, including ringtone volume, vibration, alarm duration, volume crescendo, and alarm in silent mode.
- To change the default alarm ringtone, tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Sound** > **Default alarm ringtone.**

Checking world time

1. Open the Clock app and tap .
2. World time lets you check local times for cities around the world. Tap to add a new city.

Using stopwatch and countdown

1. Open the Clock app and tap or .
2. Stopwatch allows you to record lap times, while countdown allows you to set a time and count down to zero.

Dolby Audio

Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Dolby Audio** to select or customize a Dolby profile.

- Tap to turn Dolby Audio on or off.
- Double-tap **Movie** , **Music** , **Game** , or **Voice** to adjust preset Dolby Audio settings. For each setting, you can configure detailed options such as Graphic Equalizer, Surround Virtualizer, Dialogue Enhancer, and Volume Leveler.
- Tap **Custom 1** or **Custom 2** to configure and use your own Dolby Audio setting.

Note: Some options only work when headphones or stereo speakers are connected to the phone.

Downloads

The Downloads app keeps a record of the files you have downloaded using apps such as Browser or Email.

Tap the **Arrow** ^ or swipe up from the bottom of the home screen, and tap **Downloads**.

- Tap a file to open it with the appropriate application.
- Press and hold a file to delete or share it.

File Manager

Quickly access all of your images, videos, audio clips, and other types of files on your phone storage and the microSDXC card.

Tap the **Arrow** ^ or swipe up from the bottom of the home screen, and tap **File Manager**. Tap **CATEGORY** to find the file you need by category, or tap **LOCAL** > **Phone** or **SD Card** to browse folders and files on the phone storage or the microSDXC card.

- Tap folders and files to access stored items.
- Tap + to create a new folder in the current directory.
- Tap to search for a file or folder by name.
- Press and hold a folder or file for options: copy, move, share, delete, and more options.

To copy or move an item:

1. Press and hold the folder or file.
2. Tap or .
3. Navigate to a new location within File Manager, and tap **PASTE**.

FM Radio

With FM Radio, you can search for radio channels, listen to them, and save them on your phone. Note that the quality of the radio broadcast depends on the coverage of the radio station in your area. The wired headset works as an antenna, so always connect the headset while using the radio.

Scanning and saving channels

1. Plug in a wired headset. Tap the **Arrow** ^ or swipe up from the bottom of the home screen, and tap **FM Radio**.
2. Tap > **Scan** > **OK**. Your phone scans for all available channels and saves them to the All channels list.

Note: When you open the FM Radio app for the first time, it will automatically scan for channels and show the All channels list. You can also tap > **All channels** to view the list.

Listening to FM Radio

1. Tap the **Arrow** ^ or swipe up from the bottom of the home screen, and tap **FM Radio** while the headset is connected.
2. Tap > **All channels** and select a channel.

   Or, on the FM Radio main screen, drag left or right on the frequency display, or tap or to switch to other channels.

Notes:

- On the main FM Radio screen, tap to add the first channel to favorites. Tap ★ to add more channels to favorites. Favorite channels are accessible from the FM Radio main screen. When more than four channels have been added to the favorites list, slide up to view all favorite channels.
- You can save up to 16 channels to favorites.
- Tap to listen to FM Radio through the phone speaker.

Editing a saved channel

1. Open the FM Radio app and tap > **All channels** to display the list of saved channels.
2. Press and hold a channel and select **Rename** or **Delete**, or tap the star to the right of a channel to add it to or remove it from favorites.

Turning off FM Radio

Turn off automatically:

From the FM Radio main screen, tap > **Sleep Timer** and select the time you want to turn off the radio.

A countdown clock will appear, and the radio will be turned off when the clock reaches 0:00.

Turn off immediately:

From the FM Radio main screen, tap the switch at the top of the screen.

Google apps

Note: Some Google services may not be available in your region.

- **Chrome™:** Use the Chrome app to browse the internet and get your bookmarks, browsing history, and more synced with your Google account.
- **Drive:** Store files on Google servers for free after you sign in to your Google account. You can access them on your computers, phones, and other devices, share them, or collaborate on them with others.
- **Duo:** Make video calls to bring you face-to-face with the people who matter most.
- **Gmail:** Send and receive emails via your Gmail account or other email accounts.
- **Google:** Use Google search or get information when you need it with Google feed.
- **Keep:** Create, share, and collaborate on notes quickly and easily; set reminders by time or location.
- **Maps:** Find your place and find your way in the world.
- **Photos:** Manage photos on the phone and your Google account.
- **Play Movies & TV:** Purchase, download, and watch movies and TV shows.
- **Play Music:** Play music on the phone and on your Google account.
- **Play Store:** Purchase and download apps, games, and more from the Google Play Store.
- **Voice Search:** Search for information with your voice.
- **YouTube™:** Watch video clips from YouTube.com, or upload your own and share with the world.

Settings

Tap the **Arrow** ^ or swipe up from the bottom of the home screen, and tap **Settings**. Settings contains most of the tools for customizing and configuring your phone.

At the top of the Settings screen, you can see setting suggestions. Tap to check or customize the recommended settings.

You can swipe right from the left edge of most Settings screens to open a menu that allows quick access to other sections.

Wireless & networks

Wi-Fi

Turn Wi-Fi on or off and configure your Wi-Fi connections (see *Connecting to networks and devices – Connecting to Wi-Fi*).

Bluetooth

Turn *Bluetooth* on or off and configure your *Bluetooth* connections (see *Connecting to networks and devices – Connecting to Bluetooth devices*).

Mobile networks

Control mobile data use, data roaming, and other network settings (see *Connecting to networks and devices – Connecting to mobile networks*).

Mobile Hotspot

Share your phone's mobile data connection with other devices via Wi-Fi (see *Connecting to networks and devices – Sharing your mobile data connection – Sharing your mobile data connection as a Wi-Fi hotspot*).

Data usage

Check and manage mobile data use. You can view and restrict Wi-Fi data usage as well.

- Tap **Data saver** to enable Data Saver, which prevents apps from using a data connection in the background. Apps you are currently using can access data, but may do so less frequently when this feature is enabled. You can tap **Unrestricted data access** to enable some apps to always have data connection access, even when Data Saver is enabled.
- Tap the **Cellular data** switch to turn mobile data on or off.
- Tap **Cellular data usage** to check how much data has been used during the time cycle you set, see which apps have been using mobile data, restrict background data for individual apps, or allow individual apps to have unrestricted data usage when Data Saver is on.
- Tap **Billing cycle** to set the reset date of the data usage cycle, and set the mobile data warning and limit.
- Tap **Wi-Fi data usage** to view the Wi-Fi data usage of apps.
- Tap **Network restrictions** to select Wi-Fi networks that are metered. Apps may warn before using these networks for large downloads to avoid high mobile data bills.

Note: The data usage is measured by your phone. Your carrier's data usage accounting may differ.

Airplane mode

In the Settings app, tap **More** > **Airplane mode** to turn airplane mode on or off. All the phone's radios that transmit voice or data are turned off when airplane mode is on.

Enhanced LTE Services

In the Settings app, tap **More** > **Enhanced LTE Services** to enable or disable HD Voice and advanced communication services when 4G LTE is available.

USB tethering

In the Settings app, tap **More** > **USB tethering** to share your phone's mobile data connection with a PC via USB (see *Connecting to networks and devices – Sharing your mobile data connection – Share your mobile data connection via USB*).

VPN

In the Settings app, tap **More** > **VPN** to set up and connect to virtual private networks (see *Connecting to networks and devices – Connecting to virtual private networks*).

Network settings reset

In the Settings app, tap **More** > **Network settings reset** > **RESET SETTINGS** to reset all network settings, including Wi-Fi, cellular data, and *Bluetooth*.

Device

Display

- **Brightness level:** Set the brightness of the display.
- **Adaptive brightness:** Automatically adjust screen brightness.
- **Wallpaper:** Select a background image or animation for the home screen or lock screen.
  - **ZTE Lock Screen:** Manage settings for the ZTE Lock Screen feature (see *Personalizing – Using ZTE Lock Screen*).
- **Battery percentage:** Display battery percentage on the Status Bar.
- **Sleep:** Set the length of time of inactivity before the screen turns off automatically.

- **Press power button twice for camera:** Launch the Camera app by quickly pressing the Power key twice, even when the screen is locked.
- **Screen saver:** Manage the screen saver function, which can display colors or photos when the phone is docked or charging.
- **Ambient display:** Wake the phone from sleep when new notifications arrive.
- **Font size:** Set the font size of the text on the screen.
- **Display size:** Adjust the display size of fonts, icons, and images on the screen.
- **When device is rotated:** Select whether the screen display should rotate when the phone is rotated.
- **Pulse notification light:** The Indicator light flashes to notify you of missed calls, new messages, and other events.
- **Navigation key light duration:** Control the backlight of the Home key, Back key, and Recent apps key. Choose an option to set the backlight duration.

Notifications

Set different notification options for individual apps. Tap an app to block or mute its notifications, hide its notification content on the lock screen, or allow its notifications in Do not disturb mode.

Sound

Adjust different types of volume (see *Personalizing – Adjusting volumes*), set Dolby Audio effects, select notification mode (see *Personalizing – Switching to silent or vibration mode*), enable vibration when a call is answered, set Do not disturb options (see *Personalizing – Using Do not disturb mode*), set ringtone and notification sound (see *Personalizing – Changing the ringtone and notification sound*), set default alarm sound, or select system sounds (see *Personalizing – Turning system sounds on/off*).

Apps

See apps installed on your phone and manage them.

Tap ⋮ > **Show system/Hide system** to show/hide system apps in the list.

Tap ⋮ > **Reset app preferences** to reset all preferences. (You will not lose app data, but app preferences will be restored to default.)

Tap ⚙ to configure apps.

In the app list, tap an app to see its information. The following options may be available:

- **FORCE STOP:** Stop the app.
- **UNINSTALL:** Uninstall the app.
- **DISABLE/ENABLE:** Disable or enable the app.
- **Storage:** Check the amount of storage required, and clear the app's data or cache.
- **Data usage:** Check data used by the app during a specified time cycle, restrict background data for the app, or allow unrestricted data access when Data Saver is on.
- **Permissions:** Check or change the app permissions.
- **Notifications:** Manage the app's notifications in the Notification Panel and on the lock screen.
- **Open by default:** Check or change settings for the app's supported links, and clear defaults.
- **Battery:** Check the battery use details of the app since last full charge.
- **Memory:** Check how much memory has been used by the app.
- **Draw over other apps:** Allow the app to display on top of other apps that you're using.
- **Modify system settings:** Allow the app to modify system settings.

Note: Not all options are available for all apps.

Storage

Check memory information for your microSDXC card and phone storage.

You can choose the default location for new data, such as photos captured and voice recorded. Tap **Save location** and select to store items in the phone storage or the installed microSDXC card.

Under Device storage, tap **Phone** to get a detailed breakdown of space usage by type. Tap a data type to see more information or delete the files you do not need.

For more information about using the internal storage and the microSDXC card, see *Connecting to networks and devices – Using the microSDXC card as portable or internal storage*.

Battery

View remaining battery power, check which items have been using the battery, and optimize battery use.

- Tap an app or service to adjust its settings to save battery life. For example, tap **Screen** > **Reduce the screen brightness and/or screen timeout** to change screen brightness and sleep.
- Tap **Battery saver**. You can turn Battery saver on or off or configure it to turn on automatically in order to reduce battery use and improve battery life.
- Tap ⋮ > **Battery optimization**. Battery optimization helps prolong battery standby time when you're not using the phone. To turn battery optimization off for specific apps, tap **Not optimized** > **All apps**, tap the app name, and then tap **Don't optimize** > **DONE**.

Memory

Monitor the average memory use and performance of your phone, and check which apps use the most memory.

Mi-Pop

Turn Mi-POP on or off, and customize available buttons. When Mi-POP is enabled, a floating bubble appears on the edge of the screen, allowing one-hand operation of your phone. You can drag the bubble to access certain keys and shortcuts, such as the Home key, Back key, and Recent apps key.

Call settings

Configure call options (see *Phone calls – Adjusting your call settings*).

Connect to PC

Select the USB connection mode between your phone and PC (see *Connecting to networks and devices – Connecting to your computer via USB – Connecting your phone to a computer via USB*).

Personal

Location

Activate location services to determine your location. To use location-related applications, such as finding your location on Google Maps, you must have location services turned on.

1. Tap the **Arrow** or swipe up from the bottom of the home screen, and tap **Settings** > **Location**.
2. Slide the switch to the **On** position to turn on location access.
3. When location access is enabled, tap **Mode** to select the location sources you want to use. To get your accurate location, choose **High accuracy**. To save battery power and get approximate location, choose **Battery saving**. To use only GPS to pinpoint your location, choose **Device only**.

Note: Tap **Accelerated Location** to use Qualcomm® IZat™ hardware accelerated location services to determine your location, or tap **Google Location History** to configure Google location options.

Security

- **Screen lock:** Lock the screen with long press, pattern, PIN, or password (see *Personalizing – Protecting your phone with screen locks*).

  Tap beside Screen lock to set the following options:

  – **Make pattern visible:** When a screen lock pattern is set, allows the pattern to be visible while you enter it.

  – **Automatically lock:** Set the time needed for the lock protection to be activated after the screen turns off. (This option is available when a pattern, PIN, or password is set.)

  – **Power button instantly locks:** Lock protection is activated immediately when you press the Power key. (This option is available when a pattern, PIN, or password is set.)

  – **Lock screen message:** Set text to be displayed on the lock screen.
- **Fingerprint:** Register up to five fingerprints and enable them to unlock the phone or quickly open a selected app. Enable pressing the Fingerprint sensor to take a photo or answer incoming calls. (See *Personalizing – Using your fingerprint*.)
- **Smart Lock:** Keep the phone unlocked when connected to trusted devices, while in trusted places, when recognizing a trusted voice, or while being held or carried.

  Note: You must set a screen lock pattern, PIN, or password to use the Smart Lock feature.
- **Encrypt phone:** Your phone is already encrypted.
- **Set up SIM card lock:**

  – **Lock SIM card:** Activate or deactivate the PIN lock to require PIN before accessing the nano-SIM card.

  – **Change SIM PIN:** Change the PIN used to access the nano-SIM card.

  Note: Put all your confidential passwords in a safe place for future use. If you enter the wrong SIM PIN more times than allowed, your nano-SIM card

will be locked and you cannot access the mobile phone network. Contact your operator for a PIN Unlock Key (PUK) to restore the nano-SIM card.

- **Make passwords visible:** Display passwords as you enter them.
- **Device administrators:** View or deactivate apps you have authorized to be device administrators.
- **Unknown sources:** Permit installation of apps from sources other than the Play Store.
- **Storage type:** Check the credential storage type.
- **Trusted credentials:** Display trusted CA certificates.
- **User credentials:** View and modify stored credentials.
- **Install from SD card:** Install certificates from the internal storage or the microSDXC card.
- **Clear credentials:** Delete all certificates.
- **Trust agents:** View or deactivate trust agents.
- **Screen pinning:** Keep a screen of your choice in view so that others cannot switch to other apps and access personal information (see *Personalizing – Protecting your phone with screen pinning*).
- **Apps with usage access:** Turn on or off some apps' access to your phone usage information.

Accounts

Manage your accounts and synchronization. Tap **Add account** to sign in to or create accounts on your phone.

Tap an account type to see accounts of that type you have added and adjust their settings.

Google

Manage settings for Google apps and services that are installed on your device.

Languages & input

- **Languages:** Select a language for your system.
- **Spell checker:** Enable Google Spell Checker to check for spelling errors when entering text, and change its settings.
- **Personal dictionary:** Add new words to the phone's dictionary or remove words from the dictionary. The words you add are used for spelling check and word suggestion.
- **Keyboard and input methods:** Configure text input settings (see *Knowing the basics – Entering text – Changing input methods*).
- **Text-to-speech output:** Select the speech synthesis engine or change its settings, set speech rate and pitch, play a brief sample of the speech synthesizer, and check whether the text-to-speech output feature supports the current system language.
- **Pointer speed:** Select how fast the pointer/mouse should scroll when you connect the phone to a trackpad or mouse accessory.

Navigation key

You can swap the positions of the Back key and the Recent apps key. Select an option to make the switch.

Backup & reset

- **Back up my data:** Back up app data, Wi-Fi passwords, and other settings to Google servers after you sign in to your Google account.
- **Backup account:** Set the Google account that the data is backed up to.
- **Automatic restore:** Restore previously backed up settings and data when you reinstall an app.
- **Factory data reset:** Reset your phone to factory default settings. All your personal data from the phone's internal storage will be erased. You can also erase the data on the microSDXC card during the process.

System

Date & time

Set date, time, time zone, and how time is displayed, or use network-provided data (see *Personalizing – Setting the date and time*).

Accessibility

Configure the system accessibility options and accessibility plug-ins on your phone, such as using Color inversion or Font size for users with low vision.

Printing

Configure Google Cloud Print™ service or other printer plug-ins installed from the Google Play Store or your printer manufacturer.

Cricket Software Update

Tap **Check for Updates** to check for available software updates for your phone.

About phone

View phone status, legal information, and other information.

Upgrading the phone software

There are several ways to upgrade your phone software:

- Use the online upgrade tool for mobile terminal products.
- Use the one-press upgrade package offered by your mobile service provider.
- Use your PC to download an upgrade package to your microSDXC card, and install it to your phone from the card.

Note: Visit the ZTE official handset service support website (https://www.ztedevice.com/support) and click your country or region to learn more about the above upgrade methods, as well as which phones and methods are supported.

Troubleshooting

If you encounter problems while using the phone, or if it performs abnormally, you can refer to the chart below. If your particular problem cannot be resolved using the information in the chart, contact the dealer where you purchased the phone.

Problem	Possible causes	Possible solution
Poor reception	The network signal is too weak at your current location (for example, in a basement or near a tall building) because wireless transmissions cannot effectively reach it.	Move to a location where the network signal can be properly received.
	The network is busy at the current time (for example, during peak times, there may be too much network traffic to handle additional calls).	Avoid using the phone at such times, or try again after waiting a short time.
	You are too far away from a base station for your service provider.	You can request a service area map from your service provider.
Echo or noise	Poor network link quality on the part of your service provider.	End the call and dial again. You may be switched to a better-quality network link or phone line.
	Poor local telephone line quality.	End the call and dial again. You may be switched to a better-quality network link or phone line.
Unable to select certain features	Your service provider does not support these features, or you have not applied for services that provide these features.	Contact your service provider.

Problem	Possible causes	Possible solution
Battery not charging	The battery or battery charger is damaged.	Contact the dealer.
	The phone's temperature is below 32°F (0°C) or higher than 113°F (45°C).	Adjust the battery charging environment to avoid extremes of temperature.
	The contact between the battery and charger is poor.	Check all connectors to make sure all connections have been properly made.
Shortened standby time	The standby time is related to your service provider system configuration. The same phone used with different service providers' systems will not provide exactly the same length of standby time.	If you are located in an area where signaling is weak, temporarily power off the phone.
	The battery is depleted. In high-temperature environments, battery life will be shortened.	Contact the dealer to change the battery.
	If you are not able to connect to the network, the phone will continue to send out signals as it attempts to locate a base station. Doing so consumes battery power and will consequently shorten standby time.	Change your location to one where the network is accessible, or temporarily turn off your phone.
Cannot turn your phone on	Battery power has been depleted.	Recharge the phone's battery.

Problem	Possible causes	Possible solution
Nano-SIM card error	The nano-SIM card has malfunctioned or is damaged.	Take the nano-SIM card to your service provider for testing.
	The nano-SIM card is inserted improperly.	Insert the nano-SIM card properly.
	There is debris on the nano-SIM card contacts.	Use a soft, dry cloth to clean the nano-SIM card contacts.
Unable to connect to the network	The nano-SIM card is invalid.	Contact your service provider.
	You are not within the network's service area.	Check the service area with your service provider.
	The signal is poor.	Move to an open space, or if you are inside a building, move closer to a window.
Cannot make outgoing calls	You have activated the Fixed Dialing Numbers feature.	Disable this feature. See *Phone calls – Adjusting your call settings – Using Fixed Dialing Numbers*.
PIN Code blocked	You have entered an incorrect PIN code three consecutive times.	Contact your service provider. If the service provider provides the nano-SIM card's PUK code, use the PUK code to unlock the nano-SIM card.
Phone crashes, reboots, freezes, or cannot be powered on	Some third-party software is not compatible with your phone.	Uninstall the software that may be causing the problem.
		Upgrade the phone software.
		Reset the phone to factory status.

For your safety

General safety

	Don't make or receive phone calls while driving. Never text while driving.		Don't use at gas stations.
	Keep your phone at least 15 mm (0.6 in.) away from your ear or body while making calls.		Your phone may produce a bright or flashing light.
	Small parts may cause choking.		Don't dispose of your phone in a fire.
	Your phone can produce a loud sound.		To prevent possible hearing damage, do not listen at high volume levels for long periods.
	Avoid contact with anything magnetic.		Avoid extreme temperatures.
	Keep away from pacemakers and other electronic medical devices.		Avoid contact with liquids. Keep your phone dry.
	Power off when asked to in hospitals and medical facilities.		Do not attempt to disassemble your phone.
	Power off when told to in aircrafts and airports.		Only use approved accessories.
	Power off when near explosive materials or liquids.		Don't rely on your phone for emergency communications.

Radio frequency (RF) energy

This phone 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 United States.

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage against the head with no separation, and near the body with the separation of 0.6 inches (15 mm). Although the SAR is determined at the highest certified power level, the actual SAR level of the device 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.

The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

This device is complied with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1992 and had been tested in accordance with the measurement methods and procedures specified in IEEE1528.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of **www.fcc.gov/oet/ea/fccid** after searching on FCC ID: **SRQ-Z965**.

For this device, the highest reported SAR value for usage against the head is **0.72 W/kg**, and for usage near the body is **1.12 W/kg**.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirements.

SAR compliance for body-worn operation is based on a separation distance of 0.6 inches (15 mm) between the unit and the human body. Carry this device at least 0.6 inches (15 mm) away from your body to ensure RF exposure level compliant or lower to the reported level. To support body-worn operation, choose the belt clips or holsters, which do not contain metallic components, to maintain a separation of 0.6 inches (15 mm) between this device and your body.

RF exposure compliance with any body-worn accessory, which contains metal, was not tested and certified, and using such body-worn accessory should be avoided.

FCC regulations

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Hearing aid compatibility (HAC) regulations for mobile phones

In 2003, the FCC adopted rules to make digital wireless telephones compatible with hearing aids and cochlear implants. Although analog wireless phones do not usually cause interference with hearing aids or cochlear implants, digital wireless phones sometimes do because of electromagnetic energy emitted by the phone's antenna, backlight, or other components. Your phone is compliant with FCC HAC regulations (ANSI C63.19- 2011). While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise and phones also vary in the amount of interference they generate. The wireless telephone industry has developed a rating system for wireless phones to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box. The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

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 or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

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

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/ higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Your **Z965** has been tested for hearing aid device compatibility and has an **M3/T3** rating.

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device.

For additional information about the FCC's actions with regard to hearing aid compatible wireless devices and other steps the FCC has taken to ensure that individuals with disabilities have access to telecommunications services, please go to www.fcc.gov/cgb/dro.

CTIA requirements

- Do not disassemble or open, crush, bend or deform, puncture or shred the battery.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified with the system per CTIA Certification Requirements for Battery System Compliance to IEEE 1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.

- Do not short circuit the phone or allow metallic conductive objects to contact the charging terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard. Only authorized service providers shall replace the battery. (If the battery is non-user replaceable).
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the phone. If the phone is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion or other hazard.
- The phone shall only be connected to CTIA certified adapters, products that bear the USB-IF logo or products that have completed the USB-IF compliance program.

Distraction

Driving

Full attention must be given to driving at all times in order to reduce the risk of an accident. Using a phone while driving (even with a hands free kit) can cause distraction and lead to an accident. You must comply with local laws and regulations restricting the use of wireless devices while driving.

Operating machinery

Full attention must be given to operating the machinery in order to reduce the risk of an accident.

Product handling

General statement on handling and use

You alone are responsible for how you use your phone and any consequences of its use.

You must always switch off your phone wherever the use of a phone is prohibited. Use of your phone is subject to safety measures designed to protect users and their environment.

- Always treat your phone and its accessories with care and keep them in a clean place.
- Keep the screen and camera lens clean. Unclean screen or camera lens may slow down the phone's reaction to your operations or lower image quality.
- Clean your phone and its accessories with a soft material such as cleaning cloth for eyeglass lenses. Do not use alcohol or other corrosive substances for cleaning or allow them to get inside.
- Do not expose your phone or its accessories to open flames or lit tobacco products.
- Do not expose your phone or its accessories to liquid, moisture or high humidity.
- Do not drop, throw or try to bend your phone or its accessories.
- Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.
- Do not paint your phone or its accessories.
- Do not attempt to disassemble your phone or its accessories. Only authorized personnel can do so.
- Do not expose or use your phone or its accessories in an environment with or that can reach extreme temperatures, minimum 23°F (-5°C) and maximum 122°F (+50°C).

- Do not place your phone inside or near heating equipment or high-pressure containers, such as water heaters, microwave ovens, or hot cooking utensils. Otherwise, your phone may be damaged.
- Please check local regulations for disposal of electronic products.
- Do not carry your phone in your back pocket as it could break when you sit down.

Small children

Do not leave your phone and its accessories within the reach of small children or allow them to play with it. They could hurt themselves or others, or could accidentally damage the phone. Your phone contains small parts with sharp edges that may cause an injury or may become detached and create a choking hazard.

Demagnetization

To avoid the risk of demagnetization, do not allow electronic devices or magnetic media close to your phone for a long time.

Electrostatic discharge (ESD)

Do not touch the nano-SIM/SD card's metal connectors.

Antenna

Do not touch the antenna unnecessarily.

Normal use position

When placing or receiving a phone call, hold your phone to your ear, with the bottom towards your mouth.

Air bags

Do not place a phone in the area over an air bag or in the air bag deployment area as an airbag inflates with great force and serious injury could result. Store the phone safely before driving your vehicle.

Seizures/blackouts

The phone can produce a bright or flashing light. A small percentage of people may be susceptible to blackouts or seizures (even if they have never had one before) when exposed to flashing lights or light patterns such as when playing games or watching video. If you have experienced seizures or blackouts or have a family history of such occurrences, please consult a physician. To reduce the risk of blackouts or seizures, you can use your phone in a well-lit room and take frequent breaks.

Repetitive strain injuries

To minimize the risk of Repetitive Strain Injury (RSI) when texting or playing games with your phone:

- Do not grip the phone too tightly.
- Press the buttons lightly.
- Use the special features which are designed to minimize the times of pressing buttons, such as Message Templates and Predictive Text.
- Take frequent breaks to stretch and relax.

Emergency calls

This phone, like any other wireless phone, operates using radio signals, which cannot guarantee connection in all conditions. Therefore, you should not rely solely on any wireless phone for emergency communications.

Loud noise

This phone is capable of producing loud noises, which may damage your hearing. Turn down the volume before using headphones, *Bluetooth* headsets or other audio devices.

Phone heating

Your phone may become warm during charging and normal use.

Electrical safety

Accessories

Use only approved accessories. Do not connect with incompatible products or accessories. Take care not to touch metallic objects, such as coins or key rings, or allow them to contact or short-circuit the charging jack terminals. Never puncture the surface of the phone with sharp objects.

Connection to a car

Seek professional advice when connecting a phone interface to the vehicle electrical system.

Faulty and damaged products

Do not attempt to disassemble the phone or its accessories. Only qualified personnel can service or repair the phone or its accessories. If your phone (or its accessories) has been submerged in water, punctured, or subjected to a severe fall, do not use it until you have taken it to be checked at an authorized service center.

Radio frequency interference

General statement on interface

Care must be taken when using your phone in close proximity to personal medical devices, such as pacemakers and hearing aids. Please consult your doctor and the device manufacturers to determine if the operation of your phone may interfere with the operation of your medical devices.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 cm) be maintained between a mobile phone and a pacemaker to avoid potential interference with the pacemaker. To achieve this, use the phone on the opposite ear to your pacemaker and do not carry it in a breast pocket.

Hearing aids

People with hearing aids or other cochlear implants may experience interfering noises when using wireless devices or when one is nearby. The level of interference will depend on the type of hearing device and the distance from the interference source. Increasing the separation between them may reduce the interference. You may also consult your hearing aid manufacturer to discuss alternatives.

Medical equipment

Turn off your wireless device when you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Aircraft

Turn off your wireless device whenever you are instructed to do so by airport or airline staff. Consult the airline staff about the use of wireless devices onboard the aircraft and enable airplane mode of your phone when boarding an aircraft.

Interference in cars

Please note that because of possible interference to electronic equipment, some vehicle manufacturers forbid the use of mobile phones in their vehicles unless a hands-free kit with an external antenna is included in the installation.

Explosive environments

Gas stations and explosive atmospheres

In locations with potentially explosive atmospheres, obey all posted signs to turn off wireless devices such as your phone or other radio equipment. Areas with potentially explosive atmospheres include fuelling areas, below decks on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Blasting caps and areas

Power off your mobile phone or wireless device when in a blasting area or in areas where signs are posted to power off "two-way radios" or "electronic devices" to avoid interfering with blasting operations.

Specifications

Handset specifications are shown in the following table.

Operating system	Android 7.1.1 (Nougat)
Handset standards	LTE bands 2, 4, 5, 12 (Cat 4, 150 Mbps) Tri-band UMTS/HSPA+ (Cat 14, 21 Mbps) Quad-band EDGE
Dimensions	6.14" (H) x 3.05" (W) x 0.35" (D)
Weight	5.52 oz. (with battery)
Display	5.5" HD TFT 1280 x 720
Camera	13 MP with LED flash (rear facing) 5 MP (front facing)
Internal memory	2 GB RAM + 16 GB ROM
Removable memory card	Supports microSDXC card up to 2 TB
Battery	3,000 mAh (nonremovable)
Continuous idle time	Up to 763.8 hours (31.8 days)
Continuous talk time	Up to 23.1 hours
Wi-Fi	802.11 b/g/n
Bluetooth	4.2
HAC	M3/T3

Note: The phone's talk time and idle time are based on ideal working environments. The use of extended backlighting, browser, and network conditions can reduce battery life and talk/idle time.

Warranty

ZTE offers you a limited warranty that the enclosed subscriber unit and its enclosed accessories will be free from defects in material and workmanship for a period that expires one year from the date of sale of the Product to you, provided that you are the original end user purchaser of the Product and provided that your purchase was made from a supplier authorized by the Seller. Transfer or resale of a Product will automatically terminate warranty coverage with respect to that Product. This limited warranty is not transferable to any third party, including but not limited to any subsequent purchaser or owner of the Product. This limited warranty is applicable only to end users in the United States.

1. This product or phone is warranted for 12 (twelve) months from date of purchase.
2. For warranty service information, please call ZTE service number (877) 817-1759 (Toll Free). The manufacturer's website, http://www.zteusa.com, is also available for assistance.
3. This warranty only applies if the product has been used in accordance with the manufacturer's instructions under normal use and with reasonable care.
4. What this warranty does not cover:
   a) Defects or damages resulting from the misuse of this product.
   b) Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture, dampness or corrosive environments, unauthorized modifications, unauthorized repair, neglect, rough handling, abuse, accident, alteration, improper installation, incorrect voltage application, food or liquid spillage, acts of God.

   c) Normal wear and tear.
   d) If the Product has been opened, modified or repaired by anyone other than a warranty service center or if it is repaired using unauthorized spare parts.
   e) If the serial number or mobile accessory date code has been removed, erased, defaced, altered or are illegible in any way subject to sole judgment of ZTE.

LIMITED WARRANTY

The following Consumer Limited Warranty terms are standard across all ZTE products. Please consult your product's user guide for additional limited

Consumer limited warranty

ZTE ("Seller") offers you a limited warranty that the enclosed product or products (the "Product") will be free from defects in material and workmanship for a period that expires one year from the date of sale of the Product to you, provided that you are the original end-user purchaser of the Product and provided that your purchase was made from a supplier authorized by the Seller. Transfer or resale of a Product will automatically terminate warranty coverage with respect to that Product. This limited warranty is not transferable to any third party, including but not limited to any subsequent purchaser or owner of the Product. This limited warranty is applicable to end users in the United States and Puerto Rico.

Seller will, at its sole and absolute discretion, either repair or replace a Product (which unit may use refurbished parts of similar quality and functionality) if found by Seller to be defective in material or workmanship, or if Seller determines that it is unable to repair or replace such Product, Seller

will refund the purchase price for such Product, provided that the subject Product (i) is returned to a Seller authorized service center within the one year warranty period, and (ii) is accompanied by a proof of purchase in the form of a bill of sale or receipted invoice, which evidences that the subject Product is within the one year warranty period. After the one year warranty period, you must pay all shipping, parts and labor charges. In the event that the product is deemed un-repairable or has been removed from the list of products supported by the Seller, you will only be liable for shipping and labor charges.

This limited warranty does not cover and is void with respect to the following: (i) any Product that has been improperly installed, repaired, maintained or modified; (ii) any Product that has been subjected to misuse (including any Product used in conjunction with hardware electrically or mechanically incompatible or used with accessories not approved by Seller), abuse, accident, physical damage, abnormal operation, improper handling, neglect, exposure to fire or liquid; (iii) any Product operated outside published maximum ratings; (iv) cosmetic damage; (v) any Product on which warranty stickers or Product serial numbers have been removed, altered, or rendered illegible; (vi) cost of installation, removal or reinstallation; (vii) signal reception problems (unless caused by defects in material and workmanship); (viii) damage the result of fire, flood, acts of God or other acts that are not the fault of Seller and that the Product is not specified to tolerate, including damage caused by mishandling, shipping and blown fuses; (ix) consumables (such as fuses); or (x) any Product that has been opened, repaired, modified or altered by anyone other than Seller or a Seller authorized service center.

USE ONLY SELLER APPROVED ACCESSORIES WITH SELLER PHONES. USE OF ANY UNAUTHORIZED ACCESSORIES MAY BE DANGEROUS AND WILL INVALIDATE THE PHONE WARRANTY IF SAID ACCESSORIES CAUSE DAMAGE OR A DEFECT

TO THE PHONE. SELLER SPECIFICALLY DISCLAIMS LIABILITY FOR ANY AND ALL DIRECT, INDIRECT, SPECIAL, GENERAL, PUNITIVE, EXEMPLARY, AGGRAVATED, INCIDENTAL OR CONSEQUENTIAL DAMAGES, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER FORESEEABLE OR UNFORESEEABLE OF ANY KIND WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, UNANTICIPATED BENEFITS OR REVENUE, ANTICIPATED PROFITS ARISING OUT OF USE OF OR INABILITY TO USE ANY PRODUCT (FOR EXAMPLE, WASTED AIRTIME CHARGES DUE TO THE MALFUNCTION OF A PRODUCT) OR CONTRIBUTION OR INDEMNITY IN RESPECT OF ANY CLAIM RELATED TO A PRODUCT. REPAIR OR REPLACEMENT OF A DEFECTIVE PRODUCT OR REFUND OF THE PURCHASE PRICE RELATING TO A DEFECTIVE PRODUCT, AS PROVIDED UNDER THIS WARRANTY, ARE YOUR SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF THE LIMITED WARRANTY, AND SUBJECT TO THIS WARRANTY, THE PRODUCTS ARE APPROVED AND ACCEPTED BY YOU "AS IS." SELLER MAKES NO OTHER WARRANTIES, REPRESENTATIONS OR CONDITIONS OF ANY KIND, ORAL OR WRITTEN, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, WITH RESPECT TO THE PRODUCTS, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF TRADE USAGE OR OUT OF A COURSE OF DEALING OR COURSE OF PERFORMANCE. NO DEALER, DISTRIBUTOR, AGENT OR EMPLOYEE IS AUTHORIZED TO MAKE ANY MODIFICATION OR ADDITION TO THIS WARRANTY.

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

For warranty service information, please call the following telephone number: 1-877-817-1759, or return to the point of sale for the products. The retailer can return the units to a ZTE authorized service center in the US for repair service.

Important: Please provide warranty information (proof of purchase) to ZTE in order to receive warranty service at no charge. If the warranty has expired on the device, charges may apply.

How to get warranty service

To obtain warranty service, please call (877) 817-1759. Please have the following information available when you send the phone in for repair:

- A valid Proof of Purchase
- Return address
- Daytime phone number or fax number
- Model number
- IMEI number (Look for the 15-digit IMEI number behind the battery of the device.)
- Complete description of the problem
- Transportation prepaid

Other warranty programs

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

Notes

Notes