

Samsung **FPO** Galaxy Tab 3

User Guide



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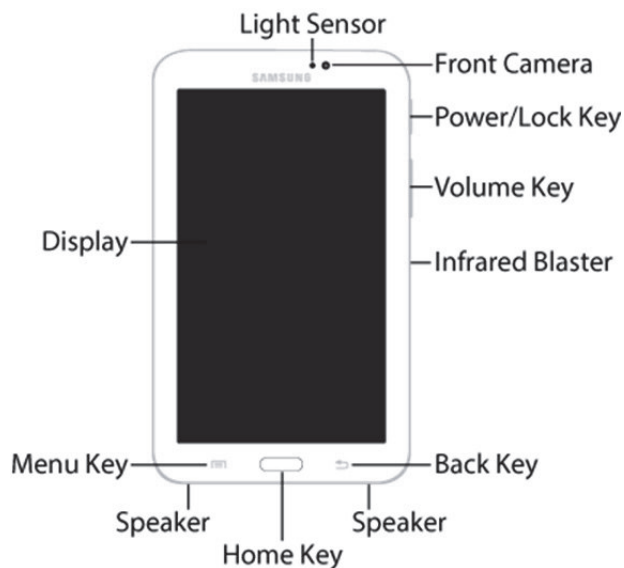
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Get Started

The following topics give you all the information you need to set up your device the first time.

Your Device at a Glance

The following illustration outlines your device's primary external features and buttons.



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Battery

Your device is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the device for charging the battery.

Warning! Use only approved charging devices. Approved accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

The Battery icon in the Status Bar shows the battery power level. When battery power is 15% or less, your device prompts you to charge the battery. If you continue to operate the device without charging, the device powers off.

Tip: Touch the Time field to display battery charge status.

Charge the Battery

You will need to charge the battery before using your device.

Note: Your device's battery should have enough charge for the device to turn on and find a signal, run the setup application, set up voicemail, and make a call. You should fully charge the battery as soon as possible.

1. Plug the USB cable into the charger/accessory jack on the bottom of the device.
2. Plug the USB cable into the charging head, and then plug the charging head into an electrical outlet.



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Turn Your Device On and Off

Use the Power/Lock Key to turn your device on or Off, to lock the screen or display the lock screen, and to access the Device options menu.

Turn Your Device On:

- Press the ①  **Power/Lock Key** to turn the device on.



Turn Your Device On:

1. Press and hold the **Power/Lock Key**.
2. At the Device options prompt, touch **Power off**.
3. At the Power off prompt, touch **OK**.

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Set Up the Device

When you first turn on your device, follow the prompts to set up your Google account and preferences.

1. When you turn on your device, you'll see the Welcome screen. Choose a language, and then tap **Start** to begin setup.
2. Follow the on-screen instructions to complete each section. For each topic, you will have an option to skip it and continue to the next screen.
 - **Got Google?:** Follow the prompts to sign in to your current Google Account, or sign up for a new Google Account right from your device.
 - Tap **Yes** to enter your Gmail address and password and then tap the right arrow to sign in to your current Google Account.
 - Tap **No** to sign up for a new Google account. Tap **Get an account**, and then follow prompts to set up your new account.
 - **Backup and Restore:** Select your Google account backup settings. If you're signing in with an existing Google account, you can choose to restore your Google account information, such as apps, bookmarks, Wi-Fi passwords, and contacts, to your new device. You can also choose to keep your new device backed up with your Google account.
 - **Google & location:** Select options for allowing Google and other apps to use your location information.
 - **This device belongs to:** Enter your name. Your device uses your name to personalize some features.
 - **Google services:** Learn about Google's privacy policy and other terms.
3. At the **Setup complete** screen, tap **Finish** to complete setup and continue with other options.
4. At the Dropbox screen, select an option and follow the on-screen instructions.
 - **Create a new Dropbox account:** Tap to set up a Dropbox account to save your photos and videos to a Web-based storage area.
 - **I already have an account:** Tap to sign in to your current Dropbox account.
 - **No thanks:** Tap to skip the Dropbox setup screens.
5. That's it, your device is now ready to use.

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Memory Card

You can install an optional microSD™ memory card (not included), to add storage for images, videos, music, documents, and other files on your device. This device supports microSD™, microSDHC™, and microSDXC™ cards of up to 64GB capacity.

Install a microSD Card

Use the following procedures to install an optional memory card (not included) in your device.

1. Using the slot provided, gently lift the cover off the device.
2. Insert the card with the gold contacts facing down.
3. Firmly press the card into the slot and make sure that it locks into place.

Remove a microSD Card

Use the following procedures to remove an optional installed memory card (not included) from your device.

1. Using the slot provided, gently lift the cover off the device.
2. Firmly press the card into the slot to release the lock. The card should pop partially out of the slot.
3. Remove the card from the slot.
4. Replace the battery cover.

Important! You can easily damage the memory card and card slot by improper operation. Please be careful when inserting, removing, or handling it.

Do not over-insert the card as this can damage the contact pins.

View microSD Card Memory

Use the following procedure to view used and available memory on an optional installed memory card (not included).

See for more information.

- Press  and tap  > **Settings** > **Storage**.

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Format a microSD Card

Formatting permanently removes all files stored on an optional installed memory card (not included).

Note: The formatting procedure erases all the data on an installed card, after which the files cannot be retrieved. To prevent the loss of important data, please check the contents before you format a card.

1. Press  and tap  > **Settings** > **Storage**.
2. Tap **Format SD card** > **Format SD card** > **Delete all**.

Unmount a microSD Card

When you need to remove an optional installed memory card, you must unmount the card first to prevent corrupting the data stored on it or damaging the card.

1. Press  and tap  > **Settings** > **Storage**.
2. Tap **Unmount SD card**, then tap **OK**.

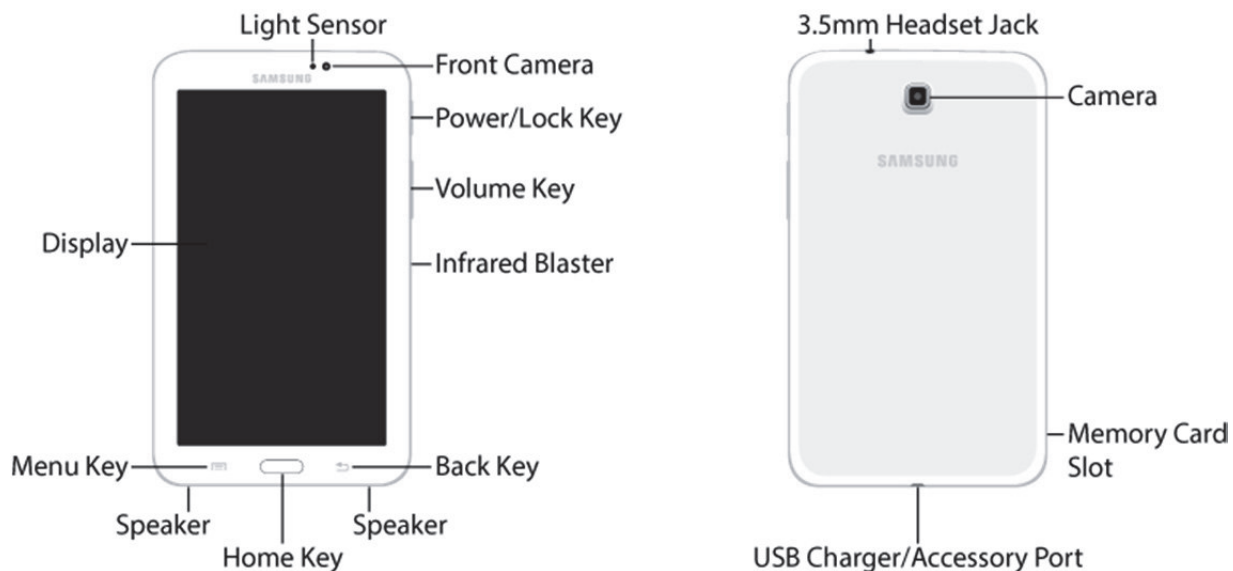
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Device Basics

Your device is packed with features that simplify your life and expand your ability to stay connected to the people and information that are important to you. The following topics will introduce the basic functions and features of your device.

Your Device's Layout

The following illustrations outline your device's basic layout.



Key Functions

The following list defines the features listed in the above illustrations.

- **Display** provides a touch-sensitive interactive surface for your device.
- **Light Sensor** detects the presence of objects near the device, and light conditions.
- **Front Camera** allows you to take pictures and videos of yourself.
- **Power/Lock Key** lets you turn the device on or off, turn the screen on or off, or lock the screen. Press and hold for a Device options menu, where you can turn the device off or restart it, or for easy access to Airplane mode, and to Mute and Sound modes.
- **Back Key** lets you return to the previous screen, or close a dialog box, options menu, the Notifications panel, or on-screen keyboard.
- **Home Key** returns you to the Home screen. Press and hold to see recent apps, and access Task Manager and Google Now.
- **Menu Key** allows you to access a menu from most of your device's screens.

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- **Volume Key** adjusts the volume of your device's sounds. From the Home screen, press to adjust master volume. During calls or playback, press to adjust volume. Press to mute the ringtone of an incoming call.
- **Infrared Blaster** controls external devices such as TVs.
- **Camera** lets you take pictures and record videos.
- **3.5 mm Headset Jack** allows you to plug in an optional headset.
- **Speaker** plays ringtones and sounds.
- **Memory Card Slot** uses microSD to add additional storage to your device.
- **USB Charger/Accessory Port** allows you to connect the device charger/USB cable (included) and other optional accessories (not included).

CAUTION! Inserting an accessory into the incorrect jack may damage the device.

Turn Your Device On and Off

The instructions below explain how to turn your device on and off.

- Press and hold the ①  **Power/Lock Key**.

Your screen remains blank while your device is off (unless the battery is charging).

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Turn Your Screen On and Off

Your device allows you to quickly turn the screen off when not in use and to turn it back on and unlock it when you need it.

Turn the Screen Off When Not in Use

- To quickly turn the screen off, press the ⓘ  **Power/Lock Key**.

To save battery power, the device 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 device's screen is off.

Note: For information on how to adjust the time before the screen turns off, see [Screen Timeout](#).

Turn the Screen On and Unlock It

1. To turn the screen on, press the ⓘ  **Power/Lock Key**.
2. Swipe the screen in any direction to unlock the screen.
 - If you have set up a screen lock, you will be prompted to draw the pattern or enter the password or PIN. For more information, see [Lock Screen](#).

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Touchscreen Navigation

Your device's touchscreen lets you control actions through a variety of touch gestures.

Tap

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



Touch and Hold

To open the available options for an item (for example, a contact or link in a Web page), touch and hold the item.



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Swipe or Slide

To swipe or slide means to quickly drag your finger vertically or horizontally across the screen.



Drag

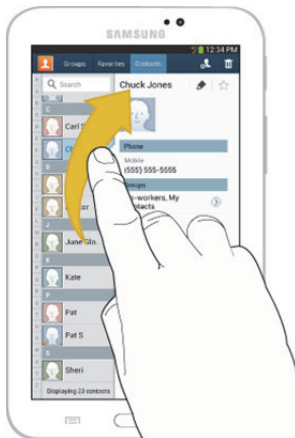
To drag, touch and hold your finger with some pressure before you start to move your finger. While dragging, do not release your finger until you have reached the target position.



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Flick

Flicking the screen is similar to swiping, except that you need to swipe your finger in light, quick strokes. This finger gesture is always in a vertical direction, such as when flicking the contacts or message list.



Rotate

For most screens, you can automatically change the screen orientation from portrait to landscape by turning the device sideways. When entering text, you can turn the device sideways to bring up a bigger keyboard.

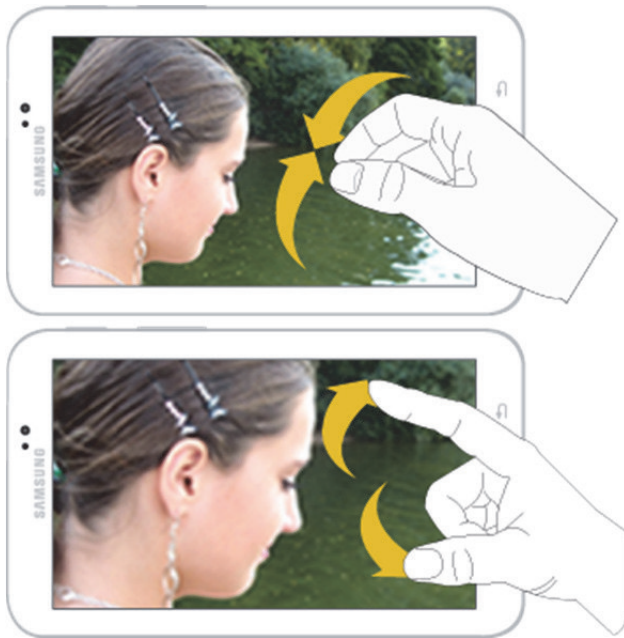


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Note: Screen rotation needs to be enabled for the screen orientation to automatically change. Touch and drag down the Notifications panel, then tap **Screen rotation**.

Pinch and Spread

"Pinch" the screen using your thumb and forefinger to zoom out or "spread" the screen to zoom in when viewing a picture or a Web page. (Move fingers inward to zoom out and outward to zoom in.)



Tip: Pinching any Home screen will let you see thumbnails of all seven Home screens. Tap a thumbnail to go straight to another Home screen.

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Multi Window

Multi Window allows you to use two apps on the same screen, in separate, resizable windows.

Enable Multi Window

Enable Multi window in the Display settings.

1. Press  and then tap  > **Settings** > **Display**.
2. Tap the check box next to **Multi window** to enable or disable the option.

Display Multi Window

After you enable Multi window in Display settings, you can control whether Multi window displays on the screen, for easy access to its features.

When Multi Window is enabled, it displays on the left side of the screen by default. You can drag the tab along the side of the screen, or tap the tab to open Multi Window, then drag Multi window to another edge of the screen (top, bottom, or side).

- ▶ Touch and hold the  **Back Key**.

Work With Multi Window

After enabling Multi Window, you can use it to run two apps at the same time. You can launch apps from Multi window, or drag an app to the screen to run multiple apps at the same time.

The apps display together on a split screen. You can switch between the apps, or adjust the size of their display on the screen.

Use Multi Window to Launch Multiple Apps

When you drag an app from Multi window on top of an open app, both apps display in a split window.

- ▶ While using one app, touch the tab to display Multi Window, and then touch and drag an app to the screen.

Adjust the Size of Apps in Multi Window

While using Multi Window, you can adjust the size of the two apps on the screen.

- ▶ Touch and drag the border between the windows.

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Switch Multi Window App Positions

While using Multi Window, you can switch the position of the app windows on the screen.

- ▶ Touch the border between the windows, then touch 

Make a Multi Window App Full Screen

While using Multi Window, you can expand an app to full screen anytime.

- ▶ Touch the border between the windows, then touch .

Your Home Screen

The home screen is the starting point for your device's applications, functions, and menus. You can customize your home screen by adding application icons, shortcuts, folders, widgets, and more. Your home screen extends beyond the initial screen. Swipe the screen left or right to display additional screens.

Note: You can keep swiping in one direction and make it back to the main Home screen. The small circles toward the bottom of the screen let you know your current screen position.

Tip: Press  to return to the main home screen from any other screen.

Creating Shortcuts

Learn how to add, move, or remove items from the home screen.

Adding Items from the Applications Menu

1. Press , and then tap  **Apps**.
2. Touch and hold an application icon, and then drag it to a Home screen.
3. Release the screen to lock the new shortcut into its new position on the Home screen.

Adding Items from the Home Screen

1. Press  to display the Home screen.
2. Touch and hold an empty area of the Home screen, and then choose **Apps and widgets**.
3. Touch and hold the application icon, and then drag it to a Home screen. Release the icon to lock it on the screen.

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Removing a Shortcut

1. Press  to display the Home screen.
2. Touch and hold the desired shortcut, and then drag it to the Remove icon and release it. As you place the shortcut into the Trash, both items turn red.

Note: This action does not delete the application; it simply removes the shortcut from the Home screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the Apps shortcut. The primary shortcuts are the bottom row of app shortcuts that remain static on all home screens (by default Contacts, Internet, and Apps).

Note: Before replacing a primary shortcut, you must first add the replacement shortcut to the Home Screen. For more information, see [Creating Shortcuts](#).

1. Press  to display the Home screen.
2. Touch and hold the primary shortcut you want to replace and then drag it to an empty space on any Home screen.
3. Touch and hold a new shortcut on the Home screen, and then drag it to the empty space in the row of primary shortcuts. You can add up to 5 primary shortcuts in addition to the Apps shortcut.

Adding and Removing Widgets

Widgets are self-contained applications that reside either in your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application. Widgets can include Contacts shortcuts, bookmarks, music playlists, Gmail and email accounts, and many other types of apps.

Adding a Widget

1. Press  to display the Home screen.
2. Touch and hold an empty area of the Home screen, and then choose **Apps and widgets > Widgets**.
3. Touch and a widget, and then drag it to a Home screen. Release the widget to lock it on the screen.

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Removing a Widget

1. Press  to display the Home screen.
2. Touch and hold the desired widget, and then drag it to the Remove icon.

Note: This action does not delete the widget — it simply removes it from the current screen

Extended Home Screens

In addition to the main Home screen, your device has six extended Home screens to provide more space for adding icons, widgets, and more. Touch and hold the icon or widget and then drag across the screen to move from the main screen to an extended screen.

There are six extended screens in addition to the main Home screen.

Note: You cannot add more screens, unless you have previously deleted any of the existing screens. The maximum number of home screens is seven.

To go directly to a particular screen:

1. From any home screen, pinch the screen to display thumbnail images of all screens.

- or -

Press  **Home**, and then tap  **Menu** > **Edit page**.

2. Tap the screen you want to open.

Recent Apps

You can access recently used applications through a display of shortcuts to the applications themselves.

1. Press and hold  **Home** from any screen to display Recent apps.
2. Tap an image to open the application.

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Status Bar

The status bar at the top of the Home screen provides device and service status information on the right side and notification alerts on the left. To view notification alerts, touch and hold the Status Bar and drag it down.

Status Icons

Icon	Description
	Bluetooth® active
	Connected to another Bluetooth device
	Wi-Fi® active
	Mute
	Network (full signal)
	3G (data service)
	4G (data service)
	Airplane Mode
	Alarm Set
	Battery (full charge shown)

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Notification Icons

Icon	Description
	New email
	New Gmail
	New message
	Event
	USB connection
	Updates available
	Downloading
	Kies air connected
	Keyboard active

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Enter Text

You can type on your device using the available touchscreen keyboards.

Touchscreen Keyboards

Touchscreen keyboard entry can be done in either Portrait or Landscape orientations. The Landscape orientation provides more space and results in slightly bigger on-screen keys. If you find that you prefer to enter text via the on-screen keyboard, and need bigger keys, use this orientation.

Text Input Methods

Your device offers several text input methods.

- **Google voice typing** allows you to speak your entries.
- **Samsung keyboard** allows you to enter text by touching keys on a virtual QWERTY keyboard. Samsung keyboard includes optional predictive text, which matches your key touches to common words so you can select a word to insert it into your text.
- **Swype** lets you enter words by swiping across the virtual QWERTY keyboard. Instead of tapping each key, use your finger to trace over each letter of a word. You can also tap letters to enter words.

Select a Default Text Input Method

You can select a default Text Input Method from Settings, or choose one at any time while entering text.

From Settings:

- ▶ Press  and tap  **Menu > Settings > Language and input > Default.**

While entering text:

1. From a screen where you can enter text, drag down from the top of the screen to open the Notifications panel.
2. Tap **Select input method**, and then choose a text entry method.

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Google Voice Typing

This feature uses Google voice recognition to convert your spoken words into text.

Use Google Voice Typing to Enter Text

1. From a screen where you can enter text, drag down from the top of the screen to open the Notifications panel, and then tap **Select input method > Google voice typing**.
2. Speak into the microphone and watch your text being entered on-screen.
3. If the text is incorrect, tap **DELETE**.
4. Once you have completed entering your text, tap **Done**. The on-screen keyboard will reappear.

Note: Select a language by tapping the language displayed at the top of the **Listening** area. Tap **Add more languages** to assign a new language via the Google voice typing menu. Removing the check mark from the **Automatic** field allows you to select additional languages.

Configure Google Voice Typing

Set Google Voice Typing options.

- Press  and tap  > **Settings > Language and input**, and then tap  next to **Google voice typing**.

Samsung Keyboard

With Samsung Keyboard, it's easy to enter text, symbols, and numbers.

Use Samsung Keyboard to Enter Text

1. From a screen where you can enter text drag down from the top of the screen to open the Notifications panel, and then tap **Select input method > Samsung keyboard**.
2. Tap keys to enter text. While entering text, use these options:
 - If you make a mistake, tap  to delete incorrect characters. Touch and hold  to delete a whole word or field.
 - Tap  to change the case of the text. Tap twice to switch to all capitals.
 - Tap  to switch to a symbols keyboard. There are two symbol keyboards.
 - Tap  to switch to Google Voice typing and to enter text by speaking.

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Using Predictive Text

By using Predictive text, you can have next-letter prediction and regional error correction, which compensates for touching the wrong keys on the QWERTY keyboard.

While entering characters, potential word matches display in the Predictive text area above the keyboard.

- Touch a word to insert it into your text. Touch  to display more words.

Configure Samsung Keyboard

You can configure options for Samsung keyboard. For more information, see [Samsung Keyboard](#).

- Press  and tap  > **Settings** > **Language and input**, and then tap  next to **Samsung keyboard**.

Swype

Swype lets you enter words by tracing over the letters on the virtual QWERTY keyboard. Instead of tapping each key, use your finger to trace over each letter of a word. You can also tap letters to enter words.

Swype provides next-letter prediction and regional error correction, which can compensate for tapping the wrong keys on the virtual QWERTY keyboards.

Use Swype to Enter Text

1. From a screen where you can enter text drag down from the top of the screen to open the Notifications panel, and then tap **Select input method** > **Swype**.
2. Swipe your finger continuously over the letters to form a word. As you swipe over letters, words matching your pattern display at the top of the Swype keyboard. To enter a word, lift your finger, or tap a word at the top of the keyboard.
3. While entering text, use these options:
 - If you make a mistake, tap  to delete a single character. Touch and hold  to delete an entire word or field.
 - By default, Swype starts with a capital at the beginning of text. Tap  to start with a capital letter, or tap  twice to enter all capitals.
 - Tap  to switch to a symbols keyboard, and then tap keys to enter symbols.

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Configure Swype

Choose Swype options. For more information, see [Swype Settings](#).

- ▶ Press  and tap  > **Settings** > **Language and input**, and then tap  next to **Swype**.

Tips for Editing Text

These tips allow you to cut or copy selected text and paste it into a separate selected area.

1. In a text entry field, double-tap the text.
2. Touch and drag  and  to highlight and select the desired text.
3. Tap an on-screen option from the Edit text menu bar. You can drag your finger along the menu bar to see all the options:
 -  **Select all:** Highlights all the text in the field.
 -  **Cut:** Removes the selected text and saves it to the clipboard.
 -  **Copy:** Copies the selected text to the clipboard.
 -  **Paste:** Insert the last copied or cut text into the current field.

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Contacts

The Contacts application lets you store and manage contacts from a variety of sources, including contacts you enter and save directly in your device as well as contacts synchronized with your Google account, your PC, compatible email programs (including Exchange Server), and your Facebook friends.

Get Started with Contacts

Before using Contacts, it's best to learn a few basics.

Your device automatically sorts the Contacts entries alphabetically. You can create a Google contact, a device contact, or a Corporate (Microsoft Exchange ActiveSync) contact.

- **Device** contacts are stored locally on the device.

Note: If the device is ever reset to its factory default parameters, locally stored contacts (device contacts) can be lost.

- **Google** contacts are shared with your existing Google account and can also be imported to your device after you have created a Google Mail account.
- **Microsoft Exchange ActiveSync** contacts are shared with a Microsoft Exchange account.

Access Contacts

You can access contacts from the Contacts app.

- Press  and tap  **Contacts**.

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Add a Contact

You can add contacts directly into the Contacts application. Enter details such as name, device numbers, email addresses, mailing addresses, and more.

1. Press  and tap  **Contacts**.
2. Tap , and then choose a storage account, if you have multiple accounts set up on your device.
3. Touch contact fields to enter information. While entering information, tap  to add another field, and tap  to choose a label.
 - **Picture:** Tap the picture icon to assign a picture to the new entry.
 - **Name:** Use the on-screen keyboard to enter the name. Tap  next to the Name field to display additional name fields.
 - **Device:** Enter a device number.
 - **Email:** Enter an email address.
 - **Groups:** Assign the contact to a group.
 - **Add another field:** Add new field(s) for the contact.
4. Tap **Save** to save the new contact.

Edit a Contact

Once you've added a contact, you can add or edit any of the information in the entry.

Add or Edit Information for a Contact

You can modify existing contact information to keep your information up-to-date.

1. Press  and tap  **Contacts**.
2. Tap a contact to display it, and then tap  > **Edit**.
3. Tap any field you want to change or add. See [Add a Contact](#).
4. Add or edit the information, and then tap **Save**.

Tip: You can also touch and hold the contact and then tap **Edit**.

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Assign a Stored Picture to a Contact

Adding a picture to a contact entry creates a more personal and easily recognized entry. For example, when receiving messages from one of your contacts, the associated picture will display. Below are procedures for adding a picture already stored in your Gallery.

1. Press  and tap  **Contacts**.
2. Tap a contact to display it, and then tap the picture icon.
3. Choose **Image** or **Pictures by people** (photos that have been tagged) and select a picture from Gallery.
4. Resize the picture by dragging the sides of the blue border, and then tap **Done**.

Assign a New Picture to a Contact

Below are procedures for adding a picture to a contact through taking a new photo.

1. Press  and tap  **Contacts**.
2. Tap a contact to display it, and then tap the picture icon.
3. Choose **Take picture**, and then take a picture of the contact. Tap **Save** to continue.
4. Resize the picture by dragging the sides of the blue border, and then tap **Done**.

Join a Contact

When you have contacts from various sources (Gmail, device, Facebook, etc.), you may have multiple similar entries for a single contact. Your device's Contacts application lets you link multiple entries into a single contact.

1. Press  and tap  **Contacts**.
2. Tap a contact to display it, and then tap  > **Join contact**.
3. Tap another entry to link it to the original contact.

Note: You can join up to five contacts in a single entry.

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Delete a Contact

You can delete a contact from the contacts details page.

1. Press  and tap  **Contacts**.
2. Tap a contact to display it, and then tap  > **Delete**.
3. Tap **OK**.

Tip: You can also touch and hold the contact and then tap **Delete**.

Add Contacts to Your Favorites

The Favorites tab is a listing that can help you quickly access your most used or preferred Contacts entries.

1. Press  and tap  **Contacts**.
2. Touch and hold the entry name from the Contacts tab listing.
3. From the **Contacts Entry** context menu, tap **Add to favorites**.

Note: Another method to add or remove an entry from your favorites is to tap the star icon on the Contact's details page (upper right). Tap to add the entry to your favorites (star is lit), tap again to remove.

Create Groups

This feature allows you to add a new or existing contact to a call group. This group can be one of the already present groups (Family, Friends, or Work) or a user-created group.

Create a New Group

You can create new groups and add members.

1. Press  and tap  **Contacts** > **Groups**.
2. Tap  >  **Add group**.
3. Enter information about the group:
 - Tap the **Group name** field and enter a name for the new group.
 - Tap **Add member** and select a member or members to add to the new Group list.
4. Tap **Done** when you are finished adding members, and then tap **Save**.

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Add a Contact to a Group

You can add new members to a group from your Contacts.

1. Press  and tap  **Contacts** > **Groups**.
2. Tap a group to display it, and then tap .
3. From the list of contacts, tap the contact(s) you want to add. (A green check-mark appears next to the selected entries.)
4. Tap **Done** to add the contact to the group.

Send an Email to Group Members

You can send an email to all or selected members of a group.

1. Press  and tap  **Contacts** > **Groups**.
2. Tap an existing group and then tap  > **Send email**.
3. Select the recipients of the new message (indicated by a green checkmark) and then tap **Done**.
4. Compose your email, and then tap .

Share a Contact

You can quickly share contacts using Bluetooth, Email, Gmail, or Wi-Fi Direct.

1. Press  and tap  **Contacts**.
2. Tap a contact to display it, and then tap  > **Share namecard via**.
3. Send the current contact information to an external recipient via one of the following:
 - **Bluetooth** Send the information via Bluetooth. See [Bluetooth](#) for information on pairing and sending via Bluetooth.
 - **Email:** Send the information as an email attachment. See [Compose and Send Email](#) for details on sending email.
 - **Gmail:** Send the information as a Gmail attachment. See [Send a Gmail Message](#) for details.
 - **Wi-Fi Direct:** Send the information via a device-to-device connection.

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Accounts and Social Networking

Set up accounts on your device, to synchronize information between your device and accounts.

Google

Many of your device's applications, such as Gmail, Google Maps, Google Talk, and the Google Play Store, require a Google account. To use these applications, you must set up your Google account on your device. Setting up your account on your device syncs your device and your online Google account.

Create a Google Account

If you do not already have a Google account, you can create one online or using your device.

Note: Although you need a Gmail account to use certain features of your device, such as Google Play Store, you do not need to use Gmail as the default account for your device.

Create a Google Account Online

1. From a computer, launch a Web browser and navigate to google.com.
2. On the main page, click **Sign in** > **SIGN UP**.
3. Follow the on-screen prompts to create your free account.

Create a Google Account Using Your Device

1. Press  and tap  > **Settings**.
2. Tap **Add account** > **Google** > **New**.
3. Follow the on-screen prompts to create your free account.

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Access Gmail

Below are procedures for accessing your Gmail account.

1. Press  and tap  **Apps** >  **Gmail**.
2. Do any of the following:
 - **View more email messages:** If the Inbox is full, swipe your finger up the screen to view more messages and conversations.
 - **Read a new email message:** Tap the unread message or the conversation with an unread message (just-arrived items display in bold).
 - **Select messages and conversations:** Tap the box before the email or conversation.
 - **View the Inbox of another Gmail account:** Tap **Inbox** at the top of the screen and then tap the inbox of the Gmail account you want to view.

Send a Gmail Message

Below are procedures for sending a Gmail.

1. Press  and tap  **Apps** >  **Gmail**.
2. From the Inbox, tap .
3. Enter the message recipient's email address in the To field. You can add multiple recipients.

Note: To send a carbon copy (CC) or a blind carbon copy (BCC) of the email to other recipients, tap **+CC/BCC**.

4. Tap **Subject** and enter the email subject.
5. Tap **Compose email** and compose your message.
6. To add a picture attachment, tap +. To add a video attachment, tap  > **Attach video**.
7. To send the message, tap .
 - To save the current email as a draft, tap  > **Save draft**. To later view your draft email messages, from the Inbox, tap **Inbox** and then tap **Drafts**.
 - To delete the current email message, tap  > **Discard**.

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Read and Reply to Gmail Messages

Below are procedures for reading and replying to Gmail messages.

1. Press  and tap  **Apps** >  **Gmail**.

2. Tap a message to display its contents.

Tip: You can also access new messages through the Notifications bar. When a new Gmail message arrives, you'll see the icon in the Notifications bar. Touch, hold, and drag the bar down to display notifications. Tap a message to display it.

3. Tap  to create a reply message.

4. From the menu at the top left of the screen, tap **Reply**, **Reply all**, or **Forward**.

5. To send the message, tap .

Email

Use the Email application to send and receive email from your webmail or other accounts. You can also access your Exchange ActiveSync email on your device.

Add an Email Account

Email allows you to send and receive email using various email services. You can also receive text message alerts when you receive an important email.

1. Press  and tap  **Apps** >  **Email**.

– OR –

Press  and tap  **Menu** > **Settings** > **Add account** > **Email**.

2. Enter your email address in the **Email address** (account@example.com) field.

2. Enter your password in the **Password** field. To see your password as you enter it, tap **Show password**.

3. Tap **Send email from this account by default** to set this account as your default email.

4. Tap **Next** to start automatic email setup. If you need to configure custom settings, tap **Manual setup** and then enter your settings. These may include mail type, user name, password, server, security type, etc.

5. Follow the on-screen prompts to configure options for the account.

6. Tap **Done** to complete setup.

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Add a Microsoft Exchange ActiveSync Account

The Email application also provides access to your Microsoft Exchange account from your device. If your company uses Microsoft Exchange Server 2003, 2007, or 2010 as the corporate email system, you can use this email application to wirelessly synchronize your email, Contacts, and Task information directly with your company's Exchange server.

Use the following procedure to synchronize your device with a corporate email account.

Note: You can set up multiple Microsoft Exchange ActiveSync accounts on your device.

1. Press  and tap  **Apps** >  **Email**.
– OR –
Press  and tap  **Menu** > **Settings** > **Add account** > **Email**.
2. Enter your email address in the Email address field.
3. Enter your password in the Password field. To see your password as you enter it, tap Show password.
4. Tap Next to start automatic email setup. For systems that require custom settings, tap Manual setup and then enter your settings. You may need to consult your network administrator for this information:
 - **Domain\Username:** Enter your network domain and username, separated by “\”.
 - **Password:** Enter your network access password (case-sensitive).
 - **Exchange Server:** Enter your system's Exchange server remote email address. Obtain this information from your company network administrator.
 - **Use secure connection (SSL):** Tap to place a checkmark in the box, if your system requires SSL encryption.
 - **Use client certification:** Tap to place a checkmark in the box, if your system requires certification.
5. Follow the on-screen prompts to configure options for the account.
6. Tap **Done** to complete setup.

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Compose and Send Email

Compose and send email using any account you have set up on your device. Increase your productivity by attaching files such as pictures, videos, or documents to your email messages.

1. Press  and tap  **Apps** >  **Email**.
2. From the Inbox, tap 
 - Tap the **From** field and select an available account (if you have more than one account set up on your device).
 - Tap the **To** field and enter the recipient's email address in the **To** field. You can add as many message recipients as you want.
 - To send a copy of the message to yourself, tap **+Me**. To send a carbon copy (Cc) or a blind carbon copy (Bcc) of the current email to other recipients, add their email addresses in the **Cc/Bcc** field.
 - Tap the **Subject** field and enter the email subject.
3. Tap the text area to compose your email.
 - To add an attachment, tap . Choose from the following: **My Files**, **Images**, **Take picture**, **Video**, **Record video**, **Audio**, **Memo**, **Calendar**, **Contacts**, or **Location**.
4. To send the message, tap .

View and Reply to Email

Reading and replying to email on your device is as simple as on your computer.

1. Press  and tap  **Apps** >  **Email**.
2. From the email account Inbox, tap a message to view it.
3. Tap  **Reply**,  **Reply All** to reply to the original recipient list, or tap  **Forward** to forward the message to new recipient(s) in the **To** field.
4. Enter a message (if desired) and then tap .

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Manage Your Email Inbox

The following procedures allow you to view, refresh, sort, and delete your email messages.

View Your Email Inbox

1. Press  and tap  **Apps** >  **Email**.
2. Tap the account name field (top left corner) to list all of your email accounts.
3. Select an email account, then tap an email message.

Refresh an Email Account

Whatever your automatic synchronization settings are, you can also synchronize your sent and received email messages manually at any time.

1. Press  and tap  **Apps** >  **Email**.
2. Select an email account.
 - If you are already in an email account, tap the account name field (top left corner) to list all of your email accounts.
 - Select an available email account.
3. Tap  **Refresh**.

Sort Email Messages

1. Press  and tap  **Apps** >  **Email**.
2. From the email account Inbox, tap  > **Sort by**.
3. Select from the options to sort email messages by: date received (most recent or oldest), by sender, read/unread status, attachments, starred favorites, priority, subject, flag, request, meeting requests, or size. (Not all options are available for all email accounts.)

Delete an Email Message

1. Press  and tap  **Apps** >  **Email**.
2. From the email account Inbox, Tap the check box next to each email you want to delete.
3. Tap  **Delete**.

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Edit Email Settings

You can edit general preferences, which apply to all email accounts, or configure settings for specific email accounts, such as email address and password, name display and signature, frequency of retrieval, and more.

Note: Available settings depend on the type of email account.

Edit General Preferences

1. Press  and tap  **Apps** >  **Email**.
2. Tap  > **Settings** > **General preferences** to configure settings. Available settings depend on the type of email account, and may include:
 - **Auto advance:** Choose how the email list displays after you delete or move an email.
 - **Message preview line:** Choose the number of lines displayed in the email list to give you a preview of an email's contents.
 - **Title line in list:** Choose the title line (in bold for unread messages), to display the sender or the subject.
 - **Confirm deletions:** Choose whether the device prompts you to confirm the action when you mark emails for deletion.
 - **Quick responses:** Create and edit text strings that you can add to an email to respond quickly.
 - **Spam addresses:** Edit the list of senders and domains reported as spam.
 - **Rules for filtering:** Manage rules for sorting email based on sender and subject.
 - **Default image size:** Set the default size for image attachments.
 - **Priority senders:** Maintain a list of email addresses to ensure that emails from the addresses receive priority handling.
 - **Set as the default folder:** Show the Priority Sender Inbox whenever you open Email.
 - **Email notifications:** Choose whether notifications for new emails are displayed in the Status bar at the top of the screen.
 - **Select ringtone:** Select a ringtone to use for email notifications.

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Edit Account Settings

You can edit settings for your individual email accounts, such as email address and password, name display and signature, frequency of retrieval, and more.

Note: Available settings depend on the type of email account.

1. Press  and tap  **Apps** >  **Email**.
2. Tap  > **Settings**, and then tap an account to configure settings:
 - **Email notifications** allows you to choose whether notifications for new emails from this account are displayed in the Status bar at the top of the screen.
 - **Select ringtone** allows you to select a ringtone to use for email notifications from this account.
 - **Account name** allows you to enter a name to identify the account.
 - **Sync Email** allows you to choose whether emails are synchronized between your device and the account.
 - **Sync schedule** allows you to set the schedule for synchronizing your device with the account. You can specify peak and off-peak time periods, and create schedules for retrieving email during peak and off-peak periods. You can also choose whether synchronization is automatic during these periods.
 - **Size to retrieve emails** allows you to configure maximum size for incoming emails. Your device will prompt you to download larger emails manually.
 - **Your name** allows you to enter your name for recipients to see instead of the email account address.
 - **Signature** lets you attach a customized signature to the bottom of all outgoing emails.
 - Tap the **ON/OFF** slider to turn on signatures.
 - Tap the **Signature** field, change the current text, and tap **Done** to save the new signature.
 - **Default account** allows you to assign an account as the default email account used for outgoing messages. This means that when you launch an email from other apps, the email will automatically be from this account.
 - **Always Cc/Bcc myself** allows you to send a copy of emails you send to yourself, as a copy (Cc) or blind copy (Bcc).

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- **Forward with attachments** lets you decide whether to automatically include attachments when forwarding an email.
- **Show images** allows you to choose whether to automatically display embedded images in the body of an email.
- **Auto download attachments** allows you to control whether the device automatically downloads email attachments when you are connected to Wi-Fi. You might use this option to control how and whether you use your plan's data services to download attachments.
- **Folder sync settings** allows you to choose folders to synchronize between your device and account.
- **Period to sync Calendar** allows you to choose the period for synchronizing calendar events between your device and account.
- **Security options** allows you to enable advanced security options, including encryption and security policies. These security policies could restrict some functions from corporate servers.
- **In case of sync conflict** allows you to choose whether information from the server or device has priority when there is a conflict.
- **Auto resend times** allows you to choose the number of times the device attempts to resend an email after a delivery failure.
- **Vibrate** allows you to choose whether vibration plays along with a ringtone for email notifications from this account.
- **Exchange server settings** allows you to options. You can contact your server administrator for more information about these settings.
- **Sync Contacts** allows you to choose whether contacts are synchronized between your device and the account.
- **Sync Calendar** allows you to choose whether calendar events are synchronized between your device and the account.
- **Sync task** allows you to choose whether emails are synchronized between your device and the account.

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Delete an Email Account

If you no longer want an email account on your device, you can delete it through the email settings menu.

1. Press  and tap  **Apps** >  **Email**.
2. Tap  > **Settings** >  **Delete account**.
3. Tap the account(s) to delete.
4. Tap **Delete** to remove the account(s).

Social Networking Accounts

Stay in touch on the go with all your social networking accounts.

Flipboard

The Flipboard application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. Press  and tap  **Apps** >  **Flipboard**.
2. Tap **Get Started**, select the desired on-screen categories and then tap **Done**.

- or -

Tap **Sign In** to log into your previously created profile.

3. Follow the on-screen instructions.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your device.

Messenger uses your Google account. If you don't already have a Google account set up on your device, you can set one up.

1. Press  and tap  **Apps** >  **Messenger**.
2. Follow the prompts to log in to Messenger.

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Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. Visit google.com/mobile/+/ for more information.

Google+ uses your Google account. If you don't already have a Google account set up on your device, you can set one up.

1. Press  and tap  **Apps** >  **Google+.**
2. If you are signed into more than one Google account, select the account you would like to use with Google+.
3. Follow the on-screen instructions to use Google+.

Talk

Google Talk is a free Windows and Web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

Talk uses your Google account. If you don't already have a Google account set up on your device, you can set one up.

1. Press  and tap  **Apps** >  **Talk.**
2. Follow the prompts to sign in and begin using Google Talk.

Note: The Network confirms your login and processes. This could take up to 5 minutes to complete.

YouTube

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts, and other original videos.

YouTube is a data-intensive feature. Check your data plan to avoid additional data charges.

- Press  and tap  **Apps** >  **YouTube.**

Note: It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options tap the **ACCOUNT** tab. Select an account (if available) or create a new account. (Even if you sign in to YouTube via the Web, you must separately sign in via your device.)

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Apps and Entertainment

All your device's features are accessible through the Apps list.

DivX

DivX is a digital media format that provides your device with high-quality videos.

DivX Legal Information

DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.

DivX Certified® to play DivX® video up to HD 720p, including premium content.

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that has passed rigorous testing to verify that it plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu (tap **Apps** > **Settings** > **About device** > **Legal information** > **License settings** > **DivX® VOD** > **Register**). Go to vod.divx.com for more information on how to complete your registration.

Important! DivX VOD content is protected by a DivX DRM (Digital Rights Management) system that restricts playback to registered DivX Certified devices.

Locating Your VOD Registration Number

Follow these procedures to locate your VOD registration number.

- ▶ Press  and tap  > **Settings** > **About device** > **Legal information** > **License settings** > **DivX® VOD** > **Register**.

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Register Your DivX Device for VOD Playback of Purchased Movies

To play purchased DivX movies on your device, you will first need to complete a one-time registration using both your device and your computer.

1. Locate your VOD Registration code. Press  and tap  > **Settings** > **More** > **About device** > **Legal information** > **License settings** > **DivX® VOD** > **Register**.
2. Open the DivX Player on your computer. To download the free player for your computer, visit divx.com.
3. From the DivX Player on your computer, choose the VOD menu and select Register a DivX Certified Device...Follow the prompts to log in, or create a DivX account if you don't already have one.
4. Follow the instructions in DivX Player to enter your device's VOD registration code and create a device nickname.
5. Choose a location on your computer to download the DivX registration video, then download the file.
6. Connect your device to the computer via USB and transfer the DivX registration video to your device. From the Registration screen (Transfer), select USB (the device) as the target destination for the DivX registration video and tap Start. Return to the DivX VOD Manager screen (in your computer's DivX Player) and confirm both your computer and your new device appears in the list of registered DivX devices.

Note: There is no special registration or configuration necessary to play back DRM-free DivX movies. Registration of your device is only required for playback of DivX material.

Game Hub

Game Hub provides a premium one-stop service center that lets you play, connect, and share games on compatible Samsung Android devices.

1. Press  and tap  **Apps** >  **Game Hub**.
2. Read the on-screen disclaimer and tap **Confirm**.
3. Follow the on-screen instructions and navigate to your favorite games and services.

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Google Play Store

The Google Play Store is the place to go to find new Android apps, games, movies, music, and books for your device. Choose from a wide variety of free and paid apps ranging from productivity apps to games. When you find an app you want, you can easily download and install it on your device.

To access the Google Play Store you must have a Google Account set up on your device. See [Sign In to Your Google Account](#) for details.

Important! Third-party applications may access your personal information or require your service provider to disclose your customer information to the third-party application provider. To find out how a third-party application will collect, access, use, or disclose your personal information, check the application provider's policies, which can usually be found on their website. If you aren't comfortable with the third-party application's policies, don't use the application.

Find and Install an App

When you install apps from the Google Play Store app and use them on your device, they may require access to your personal information (such as your location, contact data, and more) or access to certain functions or settings of your device. Download and install only apps that you trust.

Note: You need a Google Wallet account to purchase items from the Google Play Store app.

1. Press  and tap  **Apps** >  **Play Store**.
2. Browse through the categories, find an app you're interested in, and tap the name.
3. Follow the prompts to download and install the app.

Warning! **Read the notification carefully!** Be especially cautious with apps that have access to many functions or a significant amount of your data. Once you tap **OK** on this screen, you are responsible for the results of using this item on your device.

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Create a Google Wallet Account

You must have a Google Wallet account associated with your Google Account to purchase items from the Google Play Store app.

Do one of the following:

- ▶ On your computer, go to google.com/wallet.
- or -
- ▶ The first time you use your device to buy an item from the Google Play Store app, follow the prompts to enter your billing information and set up a Google Wallet account.

Warning! When you've used Google Wallet once to purchase an item from the Google Play Store app, the device remembers your information, so you don't need to enter it the next time. For this reason, you should secure your device to prevent others from using it without your permission. (For more information, see [Security Settings](#).)

Open an Installed App

There are several options for opening an installed app.

- ▶ Press  and tap  **Apps** and tap the app icon.

Uninstall an App

You can uninstall any app that you have downloaded and installed from Google Play. You cannot uninstall apps that are preloaded on your device.

1. Press  and tap  > **Settings** > **Application manager** > **Downloaded**.
2. Tap the app you want to uninstall, and then tap **Uninstall**.
3. Follow the prompts to complete the uninstall.

Google Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the Google Play Store.

- ▶ Press  and tap  **Apps** >  **Play Books**.

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Google Play Magazines

With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your device at any time or any place.

► Press  and tap  **Apps** >  **Play Magazines**.

Google Play Movies & TV

The Google Play Movies & TV application allows you to connect to the Google Play Store and download a movie or TV show to watch instantly. Choose from thousands of movies and TV shows, including new releases and HD titles in Google Play and stream them instantly on your Android device. Previously rented movies are automatically added to your My Movies library across your devices. Learn more about Google Play Movies at: play.google.com/about/movies.

1. Press  and tap  **Apps** >  **Play Movies & TV**.
2. Log in to your Google account if you have not already done so. A list of videos stored on the SD card displays in the Video list.
3. Follow the on-screen instructions for renting and viewing movies.
 - Tap the **My Rentals** tab to view movies you have rented.
 - Tap the **Personal Videos** tab to view movies you have on your device or memory card.

Google Play Music

Google Play Music lets you browse, shop, and play back songs purchased from the Google Play Store app, as well as songs you have loaded from your own music library. The music you choose is automatically stored in your Google Music library and instantly ready to play or download.

► Press  and tap  **Apps** >  **Play Music**.

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Group Play

Use Group Play to share media from your device to other devices, via Wi-Fi, using your device as an AP (Access Point).

Many of your device's apps offer sharing via Group Play. Tap  to find sharing options, usually from the Share via list of options.

To use Group Play, all participants must be connected to the same Wi-Fi network.

Important: If you are using Group Play via an unsecured Wi-Fi network, your information may be vulnerable to unauthorized third parties while being transferred.

Use Group Play only for personal and non-profit purposes. Using Group Play for commercial use violates copyright law. The company is not responsible for copyright infringement by users.

Create a Group and Share

Note: To use Group Play, all participants must be connected to the same Wi-Fi network.

1. Press  and tap  **Apps** >  **Group Play**.
2. Tap **Set group password** > **Create Group**, and then follow the prompts to create a group. You'll need to set up a group password, which participants will use to join your Group Play session.
3. After you create the group, your device turns on the mobile AP (Access Point). Follow the on-screen directions to bring other devices back-to-back with your device to join the group.
4. Choose options for sharing:
 - **Share picture:** Select pictures stored on your device or on an optional installed memory card (not included).
 - **Share music:** Select music stored on your device or on an optional installed memory card (not included).
 - **Share document:** Select documents stored on your device or on an optional installed memory card (not included).

Note: For more information about using Group Play, tap  > **Help**.

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Music Hub

Music Hub lets you upload your music collection to the cloud, stream, and purchase songs from an extensive catalog, and listen to personal radio.

Note: You must have the Samsung Account application installed and registered prior to using Media Hub.

► Press  and tap  **Apps** >  **Music Hub**.

Music Player

The Music Player is an application that can play music files. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

1. Press  and tap  **Apps** >  **Music Player**.
2. Tap a library category at the top of the screen (**All**, **Playlists**, **Albums**, **Artists**, **Music square**, or **Folders**) to view the available music files.
3. Scroll through the list of songs and tap an entry to begin playback.

Google Maps

Use the Google Maps application to find directions, location information, business addresses, etc. Determine your current location with or without GPS, get driving and transit directions and get device numbers and addresses for local businesses.

Enable Location Services on Your Device

Google Maps may require you to turn on Location services. For more information about location services, see [Location Services](#).

► Press  and tap  **Apps** >  **Maps**.

Navigation

Navigation is another Google Maps application available on your device. It uses your current location to provide turn-by-turn guidance to your destination.

► Press  and tap  **Apps** >  **Navigation**.

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Local

Google Local uses your location to help you find nearby destinations, such as restaurants, bars, hotels, attractions, ATMs and gas stations, or you can enter a location. The Local service is accessible through the Google Maps app.

► Press  and tap  **Apps** >  **Local**.

Samsung Link

Samsung Link makes staying connected easy. You can wirelessly synchronize your Samsung device with your TV, stream content, and even keep tabs on who calls or sends text messages with real-time, on-screen monitoring.

Samsung Link allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer (not included).

Samsung Link uses your Samsung account. The first time you launch Samsung Link, follow the prompts to sign in to your Samsung account, or create a new account.

Both your device, and the devices that connect to your device, must be on the same Wi-Fi access point (AP). For more information about using Wi-Fi, see [Wi-Fi](#).

1. Press  and tap  **Apps** >  **Samsung Link**.
2. Follow the prompts to sign in to your Samsung account and learn about Samsung Link.
3. On the Samsung Link screen, swipe your finger left or right across the screen to scroll between:
 - **MY RECENT CONTENT:** Media you've recently viewed.
 - **DEVICES & STORAGE:** Choose an option:
 - **Registered storage:** Add storage service(s) to view multimedia files anywhere. Storage services include Web storage, such as Dropbox or other services. Web storage is sometimes referred to as the "cloud."
 - **Registered devices:** Stream or share multimedia content from your device to other DLNA-compliant devices connected to the same Wi-Fi network. When you launch Samsung Link, compatible devices on the same Wi-Fi network display automatically in Registered devices

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Configure Samsung Link Settings

Configure Samsung Link options, such as storage location, account information, and registered storage services.

1. Press  and tap  **Apps** >  **Samsung Link**.
2. Tap  > **Settings** for options:
 - **Registered storage:** Add a Web storage service, to view or share files.
 - **My device:** View your device name, used by other devices to identify your device. Tap to change the device name.
 - **Save to:** Choose a default file storage location. You can save to your device's internal memory or to an optional installed memory card (not included).
 - **Auto upload:** When turned On, photos and videos from your device will be automatically uploaded to a Web storage service. You can also choose how files are uploaded. Turn On Use mobile network to allow your device to use your device's connection to the wireless data network, or turn it Off to only allow uploads when connected to Wi-Fi.
 - **Video optimization:** When turned On, video quality for streamed video content is optimized depending on current network conditions.
 - **Password lock:** When turned On, access to Samsung Link on your device is password-protected. You must enter your Samsung account password to start Samsung Link.
 - **My account:** Access information about your Samsung account.
 - **Customer support:** Contact the Samsung Link team via email. You must have an email account set up on your device to use this option.
 - **About this service:** Learn about Samsung Link.

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Use Samsung Link to Share Media with Another Device

Share media with another DLNA-compliant device via Samsung Link.

Both your device, and the device(s) that connect to your device, must be on the same Wi-Fi access point (AP). For more information about using Wi-Fi, see [Wi-Fi](#).

1. Press  and tap  **Apps** >  **Samsung Link**.
2. Launch AllShare Play or Samsung Link on the target device.
3. On the DEVICES & STORAGE screen, tap your device, and then tap media file(s) to select them for streaming.
4. Tap , and then choose a device for sharing. Your device requests permission for sharing from the target device.
5. Follow the prompts on the target device to allow sharing.

Story Album

Create albums containing your special moments and keep them in one place using your timeline.

1. Press  and tap  **Apps** >  **Story Album**.
2. Follow the on-screen instructions.

TripAdvisor

Get assistance finding hotels, restaurants, and attractions in any destination. See millions of reviews, opinions and candid photos from travelers just like you.

1. Press  and tap  **Apps** >  **TripAdvisor**.
2. Follow the on-screen instructions.

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WatchON

Enjoy all of your favorite movies and TV shows with WatchON.

Important! Before you use WatchON, verify that you have an active Internet connection available. For more information, see [Wi-Fi](#).

Note: Before beginning your initial WatchON application setup, make sure that your TV is turned off.

You need an active Samsung account on your device to use WatchON. Sign into your Samsung account prior to using WatchON.

Initial Configuration

1. Press  and tap  **Apps** >  **WatchON**. The Privacy policy displays.
2. Read the Privacy policy, check the **I have read and accept the terms of the above privacy policy** box, and tap **Confirm**. A set of tutorial screens display.
3. Tap the > on the right side of the screen to view the tutorial. On the last tutorial screen, tap **Set up now**.

– OR –

Tap the **X** in the upper right side of the screen to stop the tutorial. Tap **Continue** to set up the channel list.

4. Follow the on-screen instructions.

WatchON Menu

1. Press  and tap  **Apps** >  **WatchON**.
2. Tap  **Menu** for the following options.
 - **Sign in:** Sign in to your Samsung account to improve your WatchON experience.
 - **Settings:** Configure Samsung WatchON settings. Follow the on-screen instructions.
 - **Help:** Displays Samsung WatchON help information and a Contact us telephone number.

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Smart Remote

Smart Remote you to locate and watch programming on your TV and control your entertainment system with gestures from the device.

For more information, visit peel.com.

1. Press  and tap  **Apps** >  **Smart Remote**.
2. Follow the on-screen instructions.

World Clock

View the date and time in any time zone.

1. Press  and tap  **Apps** >  **World Clock**.
2. A map of the world displays with the locations you have added flagged.
3. Tap  **Add** to add a city. A list of world cities displays.
4. Scroll through the list and tap the city you want to add.
– OR –
Touch and turn the globe to locate a city, then tap the city to add it.
5. A pop-up window displays the city name, the current time and date there, and the GMT offset. To add the city, tap  **Add**.
6. To change the order of the cities, touch  **Change order**. Touch, hold, and drag  on an entry to move it to a new position in the list. Tap **Done** to save changes.
7. Tap  to delete entries. Touch the check box next to the cities you want to delete, then tap **Delete**.
8. Touch and hold an entry to remove it or to configure Daylight Savings Time (DST) settings.

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Web and Data

The following topics address your device's data connections and the built-in Web browser. Additional data-related features can be found in [Accounts and Social Networking](#), [Apps and Entertainment](#), and [Tools and Calendar](#).

Your device's data capabilities let you wirelessly access the Internet or your corporate network through a variety of connections, including:

Internet

Your device's Web browser gives you full access to both mobile and traditional websites on the go, using your device's 3G, 4G, or Wi-Fi data connections.

► Press  and tap  **Apps** >  **Internet**.

Chrome

Use Chrome for Mobile to browse fast and sign in to bring your Chrome experience from your computer, anywhere you go.

For more information, visit google.com/intl/en/chrome/browser/mobile.

► Press  and tap  **Apps** >  **Chrome**.

Data Services (3G and 4G)

With your device and its wireless features, you are ready to start enjoying the advantages of data services. The following topics will help you learn the basics of using data services, including managing your user name, launching a data connection, and navigating the Web with your device.

Important! Certain data services requests may require additional time to process. While your device is loading the requested service, the touchscreen keyboard may appear unresponsive when in fact it is functioning properly. Allow the device some time to process your data usage request.

Your Data Services User Name

When you buy your device and sign up for service, you're automatically assigned a user name, which is typically based on your name and a number.

Find Your User Name

1. Press  and tap  > **Settings** > **About device**.
2. Tap **Status**, and then find your user name.

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4G Services

Your device supports 4G LTE. 4G is a service that must be included in your service plan and also available in your area. 4G coverage is currently available in only certain markets.

Note If 4G service is not available in your location, the 4G icon will not appear in the Notifications area.

Not all services are available on 4G and coverage may default to 3G/separate network where 4G unavailable.

Depending on which icons appear in the Notifications area, your services and features will change. The following table indicates what functions and features are available when combinations of these service icons appear:

Icon	Description
	3G Coverage: The device is connected to a 3G network. When data is being transferred, the arrows are colored.
	4G Coverage: The device is connected to a 4G network. When data is being transferred, the arrows are colored.

Wi-Fi

Wi-Fi provides wireless Internet access over distances of up to 300 feet. To use your device's Wi-Fi, you need access to a wireless access point or "hotspot."

The availability and range of the Wi-Fi signal depends on a number of factors, including infrastructure and other objects through which the signal passes.

Turn Wi-Fi On and Connect to a Wireless Network

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range Wi-Fi networks (or WAPs - wireless access points).

When Wi-Fi is turned On, your device will notify you of available Wi-Fi networks, and you can connect to the Wi-Fi networks. Turn Wi-Fi Off when not in use, to conserve battery power.

Turn Wi-Fi On or Off

1. Press  and then tap  > **Settings**.
2. Tap the **Wi-Fi ON/OFF** switch to turn Wi-Fi On or Off.

Note: You can also turn Wi-Fi On or Off from Notifications. Drag down from the top of the screen, then tap the **Wi-Fi** button.

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Connect to a Wi-Fi Network

1. Press  and then tap  > **Settings**.
2. Tap the **Wi-Fi ON/OFF** switch to turn Wi-Fi On.
3. The network names and security settings (Open network or Secured with xxx) of detected Wi-Fi networks are displayed.
 - When you select an open network, you will be automatically connected to the network.
 - When you select a secured network, you will need to enter the wireless password to connect to the network. Enter the password and tap **Connect**. You can use the **show password** option to display the password as you enter it.

Manually Add a New Network Connection

1. Press  and then tap  > **Settings**.
2. Tap the **Wi-Fi ON/OFF** switch to turn Wi-Fi On.
3. Tap **Add Wi-Fi network**.
4. Enter the Network SSID. This is the name of your Wi-Fi network.
5. Tap the **Security** field and select a security option. This must match the current security setting on your target network.
6. Tap **Save** to store the new information and connect to the Wi-Fi network.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the wireless password again, unless you reset your device back to its factory default settings.

Scan for a Wi-Fi Network

1. Press  and then tap  > **Settings**.
2. Tap the **Wi-Fi ON/OFF** switch to turn Wi-Fi On.
3. Tap **Scan**.

Wi-Fi Settings

For information about configuring Wi-Fi settings, see [Wi-Fi Settings](#).

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Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices.

1. Press  and then tap  > **Settings**.
2. Tap the **Wi-Fi ON/OFF** switch to turn Wi-Fi On. Wi-Fi must be On to configure Wi-Fi Direct settings.
3. Tap **Wi-Fi Direct** at the top of the screen. Your device automatically scans for nearby Wi-Fi Direct devices, or you can tap **Scan** to begin a new scan.
4. After scanning for devices, select a device, then follow the prompts to complete the connection.

– or –

Tap **Multi-connect** to create a connection to devices that support multi-connect. Tap **Scan** to search for available multi-connect devices, then select the devices and follow the prompts to complete the connection.

5. Tap  > to **Help** to get additional information about Wi-Fi Direct.

Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually approximately 30 feet.

Turn Bluetooth On or Off

The following procedures will guide you through turning on and turning off your Bluetooth device.

1. Press  and tap  > **Settings**.
2. Tap the **Bluetooth ON/OFF** slider to turn Bluetooth on.

Tip: You can also turn Bluetooth on and off through the Notifications panel. Drag the Notifications panel down and tap **Bluetooth** to enable or disable Bluetooth.

Note: Turn off Bluetooth when not in use to conserve battery power, or in places where using a wireless device is prohibited, such as aboard an aircraft and in hospitals.

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Connect a Bluetooth Headset or Car Kit

You can listen to music over a Bluetooth stereo headset, or have hands-free conversations using a compatible Bluetooth headset or car kit. It's the same procedure to set up stereo audio and hands-free devices.

To listen to music with your headset or car kit, the headset or car kit must support the A2DP Bluetooth profile.

1. Press  and tap  > **Settings**.
2. Tap the **Bluetooth ON/OFF** slider to turn Bluetooth on.
3. Make sure that the headset is discoverable, so that your device can find the headset. Refer to the instructions that came with the headset to find out how to set it to discoverable mode.
4. Tap **Scan**. Your device will start to scan for Bluetooth devices within range.
5. When you see the name of your headset displayed in the Bluetooth devices section, tap the name. Your device then automatically tries to pair with the headset.
6. If automatic pairing fails, enter the passcode supplied with your headset.

The pairing and connection status is displayed below the hands-free headset or car kit name in the Bluetooth devices section. When the Bluetooth headset or car kit is connected to your device,  (Bluetooth connected) displays in the status bar. Depending on the type of headset or car kit you have connected, you can then start using the headset or car kit to listen to music or make and receive device calls.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth-compatible devices.

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Reconnect a Headset or Car Kit

When you have paired a headset with your device, you should be able to reconnect it automatically by turning on Bluetooth on your device and then turning on the headset. However, sometimes you will need to reconnect manually, for example if you have been using your headset with another Bluetooth device.

1. Press  and tap  > **Settings**.
2. Tap the **Bluetooth ON/OFF** slider to turn Bluetooth on.
3. Make sure that the headset is discoverable.
4. Tap the headset's name in the Bluetooth devices section.
5. If prompted to enter a passcode, try 0000 or 1234, or consult the headset or car kit documentation to find the passcode.
6. If you still cannot reconnect to the headset or car kit, follow the instructions in [Disconnect or Unpair From a Bluetooth Device](#), and then follow the instructions in [Connect a Bluetooth Headset or Car Kit](#).

Disconnect or Unpair from a Bluetooth Device

Follow these instructions to disconnect or unpair your device from a Bluetooth device.

Disconnect from a Bluetooth Device

1. Press  and tap  > **Settings**.
2. Tap the **Bluetooth ON/OFF** slider to turn Bluetooth on.
3. In the Bluetooth devices section, tap  next to the device, and then select **Disconnect**.
4. Tap **Disconnect**.

Unpair from a Bluetooth Device

You can make your device forget its pairing connection with another Bluetooth device. To connect to the other device again, you may need to enter or confirm a passcode again.

1. Press  and tap  > **Settings**.
2. Tap the **Bluetooth ON/OFF** slider to turn Bluetooth on.
3. In the Bluetooth devices section, tap  next to the device, and then select **Unpair**.
4. Tap **Unpair**.

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Send Information Using Bluetooth

You can use Bluetooth to transfer information between your device and another Bluetooth-enabled device such as a device or notebook computer. The first time you transfer information between your device and another device, you need to enter or confirm a security passcode. After that, your device and the other device are paired, and you will not need to exchange passcodes to transfer information in the future.

You can send the following types of information, depending on the device you are sending to:

- Images and videos
- Calendar events
- Contacts
- Audio files

The location where the information is saved depends on the type of information and the receiving device.

Send Information from Your Device to Another Device

1. Set the receiving device to discoverable mode. You may also need to set it to “Receive Beams” or “Receive Files”. Refer to the device’s documentation for instructions on receiving information over Bluetooth.
2. On the device, open the application that contains the information or file you want to send. For example, if you want to send a photo, press  and tap  >  **Gallery**.
3. Follow the steps for the type of item you want to send:
 - **Photo or video** (in Camera). After capturing a photo, on the preview screen, tap  > **Bluetooth**.
 - **Photos and videos** (in Gallery). On the **Albums** tab, tap an album, tap an item, and then tap  > **Bluetooth**.
 - **Calendar event**: In the Calendar’s Day view, Agenda view, or Week view, tap the event and then tap  > **Share via** > **Bluetooth**.
 - **Music track**: This feature is available through the **Music Player**. With the track displayed on the Now playing screen, tap  > **Share via** > **Bluetooth**.
 - **Voice recording**: On the main Voice Recorder screen, touch and hold a recording and then tap **Share via** > **Bluetooth**.
4. If you are prompted to turn on Bluetooth, tap **OK**.

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5. Tap the name of the receiving device.
6. If prompted, accept the connection on the receiving device, and enter the same passcode on both your device and the other device, or confirm the auto-generated passcode.
7. On the receiving device, accept the file.

Receive Information Using Bluetooth

Your device is capable of receiving a wide variety of file types with Bluetooth, including photos, music tracks, and documents such as PDFs.

1. Press  and tap  > **Settings** > **Bluetooth**.
2. If Bluetooth is not on, tap the on-off slider to turn it on.
3. Tap the check box next to your device's Bluetooth name to make it discoverable.
4. On the sending device, send one or more files to your device. Refer to the device's documentation for instructions on sending information over Bluetooth.
5. If prompted, enter the same passcode on both your device and the other device, or confirm the auto-generated passcode. A Bluetooth authorization request is displayed on your device.
6. If you want to automatically receive files from the sending device in future, select the **Always allow this device** check box.

When a file is transferred, a notification is displayed. Tap **Accept**. To open the file immediately, slide down the notifications panel, and then tap the relevant notification.

When you open a received file, what happens next depends on the file type.

Bluetooth Settings

For information about configuring Bluetooth settings, see [Bluetooth Settings](#).

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Kies Air

Kies Air allows you to sync your Windows PC wirelessly with your device provided they are both on the same Wi-Fi network. You can view and share call logs, videos, photos, music, bookmarks, ringtones, and even send SMS messages from your PC.

Note: To sync your device to your PC it is highly recommended that you install Samsung Kies which is available at samsung.com/kies (for Windows/Mac). For

Tip: Before beginning, it is recommended that you update the Java application running on your machine.

1. Install and run Samsung Kies software on your PC.
2. Press  and tap  > **Settings** > **More settings** > **Kies via Wi-Fi**.
3. Select the source of the Wi-Fi connection for Kies air.
4. Follow the prompts from Kies to update your device firmware. Refer to Samsung Kies Help for more information.

Virtual Private Networks (VPN)

From your device, you can add, set up, and manage virtual private networks (VPNs) that allow you to connect and access resources inside a secured local network, such as your corporate network.

Prepare Your Device for VPN Connection

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

To connect to a VPN, you must have Mobile data enabled, or your device must be connected to a Wi-Fi network. For information about setting up and using these connections on your device, see [Mobile networks](#) and [Turn Wi-Fi On and Connect to a Wireless Network](#).

Set a Screen Lock

Before setting up a VPN, you must set a screen lock to prevent access to your device by unauthorized users. Pattern, PIN, or password screen locks provide sufficient security to set up trusted credential storage.

1. Press  and tap  > **Settings**.
2. Tap **Lock screen** > **Screen lock**.
3. Choose a screen lock, from Pattern, PIN, or Password.
4. Follow the prompts to configure the screen lock. For more information, see [Screen lock](#).

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Add a VPN

The following procedures outline the method to use when adding a VPN connection.

1. Press  and tap  > **Settings** > **More settings** > **VPN**.
2. Tap **Add VPN network**, and then enter the information for the VPN you want to add. The information you may need to enter includes **Name**, **Type**, **Server address**, and other information for your VPN network. Consult your network administrator for more details.
3. When finished, tap **Save**.

Connect to a VPN

The following describes how to connect to a VPN.

1. Press  and tap  > **Settings** > **More settings** > **VPN**.
2. In the VPNs section, tap a VPN.
3. Follow the prompts to enter your login credentials and connect. When you are connected, the VPN connected icon appears in the Status bar.

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Pictures and Video

Camera

Use the Camera to take and share pictures and videos.

Important Do not take photos of people without their permission.

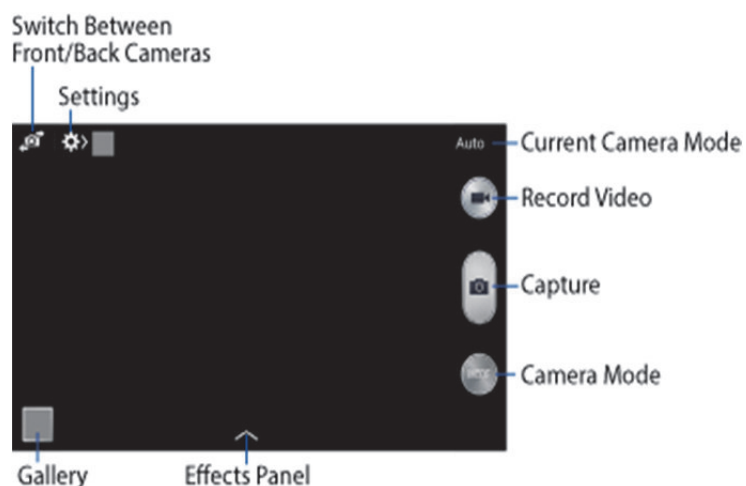
Do not take photos in places where cameras are not allowed.

Do not take photos in places where you may interfere with another person's privacy.

Take Pictures

Launch the Camera app to take pictures.

1. Press  and tap  **Apps** >  **Camera**.



2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject. You can rotate the device to any position, and the screen controls rotate to make taking pictures easy.
3. As you compose a picture, the Camera automatically focuses the shot. You can also:
 - “Pinch” or “stretch” the screen, or press the Volume Key, to zoom in or out.
 - Configure Camera options. For more information, see [Camera Options](#).
 - Tap Effects Panel to add an effect to the picture.
4. To take the picture, tap **Capture**.

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Record Videos

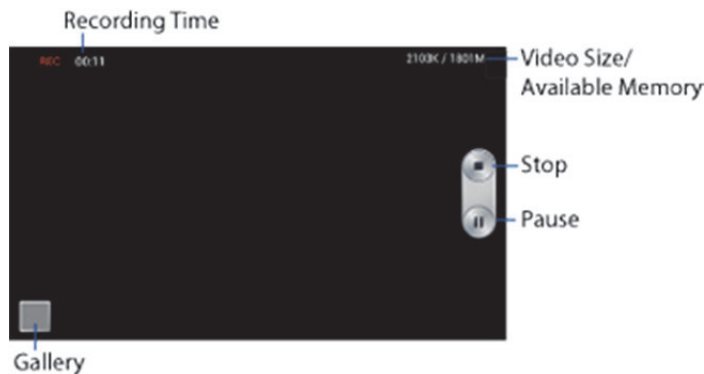
Use the Camera to record video.

Important Do not take videos of people without their permission.

Do not take videos in places where cameras are not allowed.

Do not take videos in places where you may interfere with another person's privacy.

1. Press  and tap  **Apps** >  **Camera**.



2. Using the display as a viewfinder, compose your video by aiming the lens at the subject. You can rotate the device to any position, and the screen controls rotate to make video recording easy.
3. Tap  **Record Video** to begin recording.
4. While recording, you can use these options:
 - “Pinch” the screen to zoom in or out.
 - Tap **Pause** to temporarily stop recording.
 - Tap **Stop** to stop recording.

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Camera Settings

Set options for the Camera.

1. Press  and tap  **Apps** >  **Camera** >  **Settings**.
2. Tap  **Settings** to configure options:
 - **Camera Settings**
 - **Photo size:** Choose a file size and resolution for the photo.
 - **Metering:** Select a method for measuring light (back camera only).
 - **Video Settings**
 - **Video size:** Choose a file size and resolution for the video.
 - **General Settings**
 - **GPS Tag:** Add GPS location information to the photo or video.
 - **Review:** Automatically review each photo or video after it is captured or recorded.
 - **Volume key:** Set the Volume key to zoom or to take photo/record video.
 - **Timer:** Set a delay to wait between touching the Camera button and taking a picture.
 - **White balance:** Choose a setting for the light source.
 - **Exposure value:** Set the default brightness level.
 - **Guidelines:** Enable or disable an on-screen grid to aid in photo composition.
 - **Voice control:** Enables voice control of the camera.
 - **Contextual filename:** When enabled, the camera assigns a filename to the picture using GPS information.
 - **Save as flipped:** Save photos or videos as reversed (or 'mirrored') images (front Camera only).
 - **Storage:** If an optional memory card is installed (not included), choose the default storage location for pictures. By default all pictures are stored to the device's internal memory.
 - **Reset:** Set all Camera settings to the defaults.

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- Tap  **Timer** to set a delay between touching the Capture button and taking a picture or between touching the Record button and recording a video.
- Tap  **Voice Control** to take pictures using voice commands.
- Tap  **Exposure** to set the default brightness level.
- Tap  **Recording Mode** to select between **Normal** and **Limit for MMS** file sizes.
- Tap  **Share** to enable **Buddy photo share** and **ChatON photo share**.

Gallery

Using the Gallery application, you can view pictures and watch videos that you've taken with your device's camera, downloaded, or copied to an optional memory card (not included).

For pictures stored on an optional memory card, you can do basic editing such as rotating and cropping. You can also set a picture as your contact picture or wallpaper and share pictures with your friends.

While viewing pictures in the Gallery, scroll up the screen to view more albums. Simply tap an album to view the photos or videos in that album.

If you have pictures or videos stored on an optional memory card (not included), they will be displayed in the folders they are stored in, and folders are treated as albums. The folder names will be used as the album names. If you have downloaded any photos and videos, these will be placed in the **All downloads** album.

1. Press  and tap  **Apps** >  **Gallery**.
2. Browse files stored in your device's memory, or on an optional installed memory card (not included). From the main Gallery screen, you have these options:
 - Tap a picture or video to display it in full screen view.
 - Tap the menu in the toolbar to display files by **Albums**, **Time**, **Locations**, **Person**, **Group**, or **Favorites**.
 - Tap  **Camera** to launch the Camera.
 - Tap  for options (options vary depending on the view):
 - **Select album/Select item:** Depending on the view, tap albums or items to select them. After selection, you can tap  again for options you can use with the selected item.
 - **Slideshow:** Choose options to create a slideshow for viewing your pictures and videos.

- **Sort by oldest/latest:** Sort items by date.
- **Content to display:** Select which content to display. Options are **All content**, **Content in device**, and **Content in Picasa**.
- **Scan for nearby devices:** Scan for Wi-Fi devices to share photos and videos with.
- **New album:** Create a new category to organize pictures and videos.
- **Settings:** Configure Gallery settings.
- **Help:** Get help using Gallery.

View Photos and Videos

You can browse the photos and videos, and then tap a photo or video to view it in full screen.

1. Press  and tap  **Apps** >  **Gallery**.
2. Tap a thumbnail to view the photo or video. While viewing, you can use these options:
 -  **Samsung Link:** Send the photo or video directly to your Samsung Link account.
 -  **Share via:** Choose an option for sharing the photo or video. Options include Group Play, Add to Dropbox, Bluetooth, Email, Flipboard, Gmail, Google+, Picasa, or Wi-Fi Direct, or YouTube.
 -  **Dropbox:** Send the photo or video directly to your Dropbox account.
 -  **Camera:** Launch the Camera app.
 -  **Trim:** Remove the beginning and ending frames of a video.
 -  **Delete:** Erase the photo or video.
3. Tap  for more options:
 - **Edit:** Edit the photo using Photo Editor (available for download from Samsung Apps)
 - **Favorites:** Mark the photo or video as a favorite.
 - **Slideshow:** View a slideshow of your photos and videos.
 - **Photo frame:** Add a decorative frame to the photo.
 - **Photo note:** Write a note on the 'back' of the photo.
 - **Copy to clipboard:** Place the photo on the clipboard for pasting into other apps.

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- **Print:** Print the photo to any Samsung printer (not included).
- **Buddy photo share:** Share the photo with people tagged in the photo.
- **Rotate left:** Rotate the photo 90 degree to the left.
- **Rotate right:** Rotate the photo 90 degree to the right.
- **Crop:** Crop the photo.
- **Rename:** Rename the photo or video.
- **Scan for nearby devices:** Begin scanning for Wi-Fi Direct devices to share your photos or videos.
- **Set as:** Set the photo as a Contact photo, or as wallpaper for the Home screen and Lock screen.
- **Details:** View file details about the photo or video.
- **Settings:** Configure Gallery settings:
 - **Accounts:** Manage your Google account information.
 - **SNS data management:** Enable **Sync only via Wi-Fi** to only sync photos and videos when connected to a Wi-Fi network.
 - **Tags:** Enable **Tag buddy** and **Face tag**. Tag buddy identifies each photo with information such as the weather, location, people in the photo, or date created. Face tag scans each photo to detect people's faces, which you can then tag with their name.

Zoom In or Out on a Photo

There are two ways you can zoom in or out of a photo.

- ▶ Tap the screen twice quickly to zoom in and then tap the screen twice quickly again to zoom out.

- or -

You can also use pinch and spread to zoom in or out. See [Pinch and Spread](#).

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Working with Photos

You can touch and hold on a photo to open a selection menu and choose what to do with it. You can choose to delete the photo, rotate or crop it, and more.

Rotate and Save a Photo

To rotate or save your photo, follow the below procedures.

1. Press  and tap  **Apps** >  **Gallery**.
2. Tap an image to display the picture.
3. Tap  > **Rotate left** or **Rotate right**.

The rotated picture is saved in your default storage location as a copy.

Crop a Photo

To crop your photos, follow the below procedures.

1. Press  and tap  **Apps** >  **Gallery**.
2. Tap an image to view your picture.
3. Tap  > **Crop**.
4. To adjust the crop box size, touch and hold the edge of the box. When directional arrows appear, drag your finger inward to or outward to resize the crop box.
5. To move the crop box to the part of the photo that you want to crop, drag the crop box to the desired position.
6. Tap **Done** to apply the changes to the picture.

The cropped picture is saved along with the original copy in your default storage location.

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Share Photos and Videos

The Gallery application lets you send photos and videos using Gmail or email. You can share photos on your social networks (such as Facebook, Picasa, and Twitter) and share videos on YouTube. You can also send them to another device or your computer using Bluetooth.

Send Photos or Videos by Gmail or Email

You can send several photos, videos, or both in an Gmail or email message. They are added as file attachments in your email.

1. Press  and tap  **Apps** >  **Gallery**.
2. Tap the album that contains the photos or videos you want to share.
3. Tap the photos you want to send.
4. Touch the screen and then tap  > **Gmail** or **Email**.
5. Compose your message and then tap  or .

Note: If you selected **Email** and you have multiple email accounts, the default email account will be used.

Send Photos or Videos Using Bluetooth

You can select several photos, videos, or both and send them to someone's device or your computer using Bluetooth.

1. Press  and tap  **Apps** >  **Gallery**.
2. Tap the album that contains the photos or videos you want to send.
3. Select the photos or videos you want to send.
4. Touch the screen and then tap  > **Bluetooth**.

In the next few steps, you'll be asked to turn on Bluetooth on your device and connect to the receiving Bluetooth device so the files can be sent. For more information, see [Bluetooth](#).

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Share Photos or Videos on Google+

1. Press  and tap  **Apps** >  **Gallery**.
2. Tap the album that contains the photos or videos you want to send.
3. Tap the photo or video you want to send.
4. Touch the screen and then tap  > **Google+**.
5. Compose your message and then tap .

Share Photos on Picasa

You need to be signed in to a Google Account to upload pictures to the Picasa photo organizing service.

1. Press  and tap  **Apps** >  **Gallery**.
2. Tap the album that contains the photos or videos you want to share.
3. Select the photos you want to share.
4. Touch the screen and then tap  > **Picasa**.
5. Select the online album where you want to upload the pictures.
6. Tap **Upload**. You can view the photos online at picasaweb.google.com.

Share Videos on YouTube

You can share your videos by uploading them to YouTube. Before you do this, you must create a YouTube account and sign in to that account on your device.

1. Press  and tap  **Apps** >  **Gallery**.
2. Tap the album that contains the videos you want to share.
3. Select the video you want to share.
4. Touch the screen and then tap  > **YouTube**.
5. Enter the prompted information, such as description and tags, and select a privacy option.
6. Tap **Upload**.

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Video Player

The Video Player application plays video files stored on your device, or on an optional installed memory card (not included).

► Press  and tap  **Apps** >  **Video Player**.

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Tools and Calendar

Learn how to use many of your device's productivity-enhancing features.

Alarm

Use Alarm to remind yourself of important events.

Create an Alarm

1. Press  and tap  **Apps** >  **Alarm**.
2. Tap , and then enter information for the alarm.
3. Tap **Save** to store the new alarm event.

Delete an Alarm

1. Press  and tap  **Apps** >  **Clock**.
2. Touch and hold an alarm, and then tap **Delete**.

Calculator

Your device comes with a built-in calculator.

1. Press  and tap  **Apps** >  **Calculator**.
2. Enter numbers by tapping the on-screen keyboard. Touch and hold **C** to clear all numbers.

Calendar

Use Calendar to create and manage events, meetings, and appointments. Your Calendar helps organize your time and reminds you of important events. Depending on your synchronization settings, your device's Calendar stays in sync with your Calendar on the Web, Exchange ActiveSync calendar, and Outlook calendar.

Add an Event to the Calendar

Add events to your Calendar to help you organize your time and remind you of important events.

Note: To synchronize calendar events among your Google and Corporate accounts, make sure they are being managed by your device. See [Accounts and Social Networking](#) for more information.

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1. Press  and tap  **Apps** >  **Calendar**.
2. Double-tap a day on the calendar, and then tap the Calendar field to assign the new event to an account, or save it to the device.
3. Tap **Tap to enter title** and enter a title for the event.
4. Tap **Save** to save the event now, or tap **Edit event details** to enter more information:
 - Select a **From/To** time for the event by tapping the corresponding fields, and adjusting the month, day, and year.
 - If the event lasts all day, leave the **All day** check box checked, or tap to uncheck the box and enter a time for the event.
 - Select a recurrence cycle for the event by tapping the **Repeat** field.
 - Select an alarm time by tapping the **Reminder** field.
 - Enter a location for the event in the **Location** field or tap  to select the location on a map.
 - Enter a description for the event in the **Description** field.
 - Tap **Images** to add an image from the Gallery or take a new picture.
5. Tap **Save** to save the new event.

View Events

The following procedure helps you view your calendar events.

1. Press  and tap  **Apps** >  **Calendar**.
2. To view a Calendar event farther out, tap either **Week** or **Month**.
3. Tap the day for which you would like to view events. (Your device lists events in chronological order.)
4. To display an event's details, tap it from the current screen.

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Erase Events

The following procedures show you how to erase your calendar events.

1. Press  and tap  **Apps** >  **Calendar**.
2. Open the calendar event details:
 - In **Agenda**, **Day**, and **Week** views, tap the calendar event you want to delete.
 - In **Month** view, tap the date where the calendar event occurs, and then tap the calendar event.
 - In **Year** view, tap the month in which the event is located.
3. Tap  > **Delete**.
4. In the Delete confirmation box, tap **OK**.

- or -

If the calendar event is recurring, select **Only this event**, **This & future events**, or **All events**, and tap **OK**.

Downloads

The Downloads application allows you to manage files you download to your device.

- Press  and tap  **Apps** >  **Downloads**.

Note: Applications you download from Google Play™ Store are managed with the Play Store application, and do not display in Downloads.

Dropbox

Dropbox works to provide access to your desktop files directly from your device. This app allows you to bring your files with you when you're on the go, edit files in your Dropbox from your device, upload photos and videos to Dropbox, and share your selected files freely with family and friends.

The app works in conjunction with a partner program placed on a target computer using an active Internet connection.

Dropbox creates a folder that automatically synchronizes its contents across all of your connected devices on your account. Update a file to your Dropbox on your computer, and it's automatically updated to the same folder on your other devices.

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Download the Desktop Application

Follow the procedures below to download the desktop application.

1. Use your computer's browser to navigate to: dropbox.com.
2. Follow the on-screen setup and installation instructions on your target computer containing the desired files.

Important! The computer application must be installed on the computer containing the desired files. This computer must have an active Internet connection.

Access Dropbox on your Device

Access the Dropbox app and set up your Dropbox account.

1. Press  and tap  **Apps** >  **Dropbox**.
2. Tap **Start**, and then tap **I'm already a Dropbox user**, enter your current account credentials, and tap **Log in**.

- or -

Tap **I'm new to Dropbox** and follow the on-screen instructions to register for a new account.

Manually Upload a Picture to Dropbox

Follow the below procedures to manually upload pictures to the Dropbox app.

1. Press  and tap  **Apps** >  **Camera**.
2. After the image is taken, tap the Image Viewer box at the bottom right. This previews the current image.
3. Tap the image to reveal the image options at the top of the screen.
4. Tap  > **Add to Dropbox**, select a folder location, and tap **Upload**.

Note: If your share folder is located on your computer, you will momentarily receive an on-screen popup notifying you that a new image was uploaded to your shared Dropbox folder.

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Flipboard

Use Flipboard to create a personalized digital “magazine” out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

- ▶ Press  and tap  **Apps** >  **Flipboard**.

Google Search

Use Google Search to search the Internet.

- ▶ Press  and tap  **Apps** >  **Google**.

Google Settings

Use Google Settings to manage your Google apps and account settings.

- ▶ Press  and tap  **Apps** >  **Google Settings**.

Polaris Office

Polaris Office is a Microsoft Office compatible office suite. The application provides a central place for managing your documents online or offline. The application can also open Adobe PDF (Portable Document Format) files.

1. Press  and tap  **Apps** >  **Polaris Office**.
2. Follow the prompts to set up and use Polaris Office.
3. To get help for using Polaris Office, touch  **Menu** > **Help**.

Help

Help provides online information to help with your device questions.

- ▶ Press  and tap  **Apps** >  **Help**.

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Memo

The Memo application allows you to create and share text memos.

1. Press  and tap  **Apps** >  **Memo**.
2. Touch an memo to view or edit it. For more information on editing memos, see [Create a New Memo](#).
3. Touch  **List** to view your memos as a list. Touch  **Thumbnails** to view your memos as thumbnails.
4. To delete one or more memos, touch  **Delete**, select one or all memos, and touch **Delete**.
5. From the S Memo screen, tap  to access the following options:
 - **Sort by:** Display memos by date (most recent or oldest).
 - **Share text via:** Send memos' texts to others using Dropbox, Bluetooth, Email, Gmail, or Wi-Fi Direct.
 - **Share via:** Send memo files to others as Text files (.vnt) or Memo files (.snb).
 - **Print:** Print memo(s) via Wi-Fi to a compatible Samsung printer (not included).
 - **Import:** Import memo(s) from Google Docs.
 - **Export:** Export a memo to Google Docs or to My Files.
 - **Settings:** Manage your Samsung account and Google Docs account.

Create a New Memo

Follow the steps below to create a new memo or expand or reply to an existing memo.

1. Press  and tap  **Apps** >  **Memo**.
2. Tap  to create a new memo.
3. Tap  to access the following options:
 - **Color:** Change the background color of the memo.
 - **Lock:** Make the memo private by adding password protection.
 - **Print:** Print memo(s) via Wi-Fi to a compatible Samsung printer (not included).

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- **Share text via:** Send the memo text to others using Dropbox, Bluetooth, Email, Gmail, or Wi-Fi Direct.
 - **Share via:** Send the memo file to others as a Text file (.vnt) or Memo file (.snb).
4. When you are finished creating your memo, tap **Save**.

My Files

My files allows you to manage your manage sounds, images, videos, Bluetooth files, Android files, and files stored on your device, or on an optional installed memory card (not included). You can open a file if the associated app is already on your device.

1. Press  and tap  **Apps** >  **My Files**.
2. The following folders display:
 - **emulated:** View the files saved in your device's internal memory.
 - **extSdCard:** View all of the files saved to an optional installed memory card (not included).

Note: Different folders may appear depending on how your device is configured.

S Voice

Your device's S Voice is a voice recognition application used to activate a wide variety of functions on your device. This is a natural language recognition application.

This goes beyond the Google Search Voice Actions feature that simply recognizes Google commands and search terms. You can ask it questions (Is it raining in Dallas?) or give it commands (Show me where to find cheap gas).

1. Press  and tap  **Apps** >  **S Voice**.
2. Navigate through the following on-screen tutorial screens by reading the information and tapping **Next**, or tap **Skip** to continue without reading the information.
3. Wake up the application by repeating the phrase Hi Galaxy.

Note: The wake-up command/phrase can be changed from "Hi Galaxy" to anything else.

4. Tap **Speak** if the device does not hear you or to give it a command.

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Samsung Apps

Connect to Samsung Apps and make your smart device even smarter. Simply and easily download an abundance of applications to your tablet such as games, news, reference, social networking, navigation, and more.

Note: Access to this feature requires that you already be logged in to your Samsung account application.

1. Press  and tap  **Apps** >  **Samsung Apps**.
2. Read the terms and conditions.
3. Place a check mark in the Agree field then tap **Agree**.
4. Select an application from one of the available categories.
5. Follow the on-screen download and installation instructions.

VPN Client

VPN Client provides support for accessing VPN gateways.

- Press  and tap  **Apps** >  **VPN Client**.

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Settings

The following topics provide an overview of items you can change using your device's Settings menus.

Wi-Fi Settings

Wi-Fi provides wireless Internet access over distances of up to 300 feet. To use your device's Wi-Fi, you need access to a wireless access point or "hotspot."

For more information about using Wi-Fi, see [Wi-Fi](#).

1. Press  and then tap  > **Settings**.
2. Tap the **Wi-Fi ON/OFF** switch to turn Wi-Fi On. Wi-Fi must be On to configure settings.
3. Tap **Add Wi-Fi network** to connect to a new Wi-Fi network.
4. Tap **Scan** to begin searching for available Wi-Fi networks.
5. Tap **Wi-Fi Direct** to connect to other Wi-Fi Direct devices.
6. Tap  to configure these settings:
 - **Advanced:**
 - **Network notification:** When enabled, your device alerts you when a new Wi-Fi network is available.
 - **Passpoint:** Connect to passpoint-enabled Wi-Fi Aps automatically.
 - **Keep Wi-Fi on during sleep:** Specify when to switch from Wi-Fi to mobile data for data communications, when the device goes to sleep (when the backlight goes out). This setting can affect data usage, since the data connection will remain active even when the device screen is off.
 - **Check for internet service:** When enabled, your device will check for Wi-Fi Internet service when connected to a Wi-Fi network.
 - **Wi-Fi timer:** When turned On, your device will automatically connect or disconnect from a Wi-Fi network, using the Starting time and Ending times you set.
 - **MAC address:** (Not configurable) View your device's MAC address, needed for connecting to some secured networks.
 - **IP address:** (Not configurable) View your device's IP address.

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- **WPS push button:** Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.
- **WPN PIN entry:** (Not configurable) View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router or other equipment.
- **Help:** Get help using Wi-Fi.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection.

For information about using Wi-Fi Direct see [Wi-Fi Direct](#).

Bluetooth Settings

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices.

For more information about using Bluetooth, see [Bluetooth](#).

1. Press  and then tap  > **Settings**.
2. Tap the **Bluetooth ON/OFF** switch to turn Bluetooth On. Bluetooth must be On to configure settings.
3. From the Bluetooth screen, configure these settings:
 - Tap the ON/OFF switch to turn Bluetooth On or Off.
 - Tap your device's name to enable or disable visibility to other Bluetooth devices. When your device is visible, other devices can find your devices during a scan. Your device remains visible for the period of time set in the Visibility timeout setting.
 - Tap a paired device to connect to it, or touch  beside a device to change its settings.
 - Tap **Scan** to search for visible Bluetooth devices. After searching, tap a device to pair with it.

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4. Tap  for more settings:

- **Rename device:** Change your device's name, used by other devices to identify your device during scans.
- **Visible timeout:** Set the length of time your device is visible to other devices when you turn on visibility.
- **Received files:** View files transferred to your device via Bluetooth.

Data Usage Settings

Monitor data usage, and control your device's connection to mobile data service.

Note: Data is measured by your device. Your service provider may account for data usage differently.

1. Press  and then tap  > **Settings**.

2. Tap **Data usage** to configure options:

- **Mobile data:** Enable or disable Mobile data. You can also control Mobile Data at Notifications.
- **Limit mobile data usage:** When enabled, your mobile data connection will be disabled when the specified limit is reached. After enabling the setting, drag the red limit line on the graph below to set the data usage limit.
- **Alert me about data usage:** When enabled, your device will alert you when mobile data usage reaches the warning limit you set. After enabling the setting, drag the orange warning line on the graph below to set the data usage warning limit.
- **Data usage cycle:** Tap the menu, and then choose a time period for data usage. Data usage for the period displays on the graph, along with usage by application below.

3. Tap  to set other options:

- **Restrict background data:** Your device is capable of connecting to the network in the background, for synchronization or other services. When enabled, background connections will not occur.
- **Auto sync data:** When enabled, your device will synchronize with accounts automatically, at any time.
- **Show Wi-Fi usage:** When turned On, a separate tab displays data usage while connected to Wi-Fi.

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- **Mobile hotspots:** Select Wi-Fi networks that are mobile hotspots. You can restrict apps from using these networks, and you can configure apps to warn you before using these networks for large downloads.

More Settings

The More settings menu provides additional wireless and network options.

Airplane Mode

Enabling Airplane mode turns off calling, messaging, and data network features. It also turns off other connectivity features, such as Wi-Fi and Bluetooth.

While in airplane mode, you can use other features of your device, such as playing music, watching videos, or other applications.

To use Wi-Fi and Bluetooth when Airplane mode is enabled, turn them on in Settings or on the Notifications panel. While in Airplane mode, the  icon displays in the Status bar.

1. Press  and then tap  > **Settings** > **More settings**.
2. Tap the check box next to **Airplane mode** to enable or disable the option.

Mobile Networks

Control your device's access to networks, including mobile data service.

1. Press  and then tap  > **Settings** > **More settings** > **Mobile networks**.
2. Configure options:
 - **Mobile data:** When enabled, your device connects to the mobile data network.
 - **Network mode:** Choose a preferred network mode.
 - **Connections optimizer:** When enabled, helps you manage and enhance your data experience by finding and connecting to remembered Wi-Fi networks on your device, and, if applicable, to 4G network service.

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VPN

Set up and manage Virtual Private Networks (VPN).

Note: VPN settings include storage of login credentials on your device. You must configure a screen unlock pattern, PIN, or password before setting up a VPN.

1. Press  and then tap  > **Settings** > **More settings**.
2. Tap **VPN** > **Add**.
3. Enter information about the VPN:
 - Enter a name for the VPN network in the **Name** field.
 - Select a VPN type from the **Type** drop-down menu.
 - Enter the **Server address** and any other required fields that are dependent upon the Type you entered previously.
 - Check **PPP encryption (MPPE)** if required.
 - Tap the **Show advanced options** to access additional VPN options.
4. Tap **Save** to save your VPN settings.

Roaming

Set options for roaming, networks, and APNs.

1. Press  and then tap  > **Settings** > **More settings** > **Roaming**.
2. Tap **Roaming network** and select **Home only** or **Automatic**.
3. Tap **Roaming settings** and enable/disable **Domestic Voice**, **Domestic Data**, **International Voice**, and **International Data**.
4. Tap **Roaming guard** and enable/disable data alerts for **Domestic Voice**, **Domestic Data**, **International Voice**, **International Data**, and **Outgoing text message**.

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Nearby Devices

Share files with devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

To use Nearby devices, you must connect to the same Wi-Fi network as the devices you wish to share with, and the other devices must support DLNA.

Note: Use care when enabling file sharing. When enabled, other devices can access data on your device.

1. Press  and then tap  > **Settings** > **More settings**.
2. Tap **Nearby devices** to configure these options:
 - Tap **File sharing** to enable or disable file sharing.
 - Under Advanced, tap options to control how content is shared from your device:
 - **Shared contents:** Choose the type of content to share, from Videos, Photos, or Music.
 - **Allowed devices list:** View and manage a list of devices allowed to connect to your device.
 - **Not-allowed devices list:** View and manage a list of devices restricted from connecting to your device.
 - **Download to:** Choose a location to save downloaded content, either Device or an optional SD card (not included).
 - **Upload from other devices:** Choose how to handle incoming files from other devices, from Always accept, Always ask, or Always reject.

Kies via Wi-Fi

Use Kies via Wi-Fi to connect to the Kies program on your desktop computer.

Use Samsung's Kies desktop software to transfer music, contacts, and photos, update software, and sync wirelessly from your device or tablet.

For more information, visit: samsung.com/us/kies.

Note: Your device, and the computer with the Kies application, must be connected to the same Wi-Fi network.

- Press  and then tap  > **Settings** > **More settings** > **Kies via Wi-Fi**.

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Blocking Mode

When Blocking mode is enabled, notifications for selected features are blocked, and you only receive the notifications you choose. You can choose to block notifications by feature or contact, and choose blocking all the time, or during a specific time period.

1. Press  and then tap  > **Settings**.
2. Tap the **ON/OFF** switch next to **Blocking mode** to enable or disable the setting. Blocking mode must be enabled to configure options.
3. When Blocking mode is enabled, choose features to block:
 - **Turn off notifications:** When enabled, notifications for new messages will not display. Tap the check box next to the option to enable or disable it.
 - **Disable alarm and timer:** When enabled, notifications for alarms and timers will not display. Tap the check box next to the option to enable or disable it.
 - **Disable LED indicator:** When enabled, the LED indicator will not light for notifications, even when the screen is off. Tap the check box next to the option to enable or disable it.
4. Set a time period for blocking mode:
 - Tap the check box next to **Always**, to block notifications at all times.
 - To set a specific time period to block notifications each day, disable the **Always** option, and then set a starting (From field) time and ending time (To field). Tap the time fields and then set the time.
5. Choose an option for blocking by contact:
 - Tap **Allowed contacts**, and then choose an option:
 - **None:** Block all notifications, from any contact.
 - **All contacts:** Allow notifications from any contact.
 - **Favorites:** Only allow notifications from contacts marked as favorites.
 - **Custom:** Allow notifications from contacts you specify. Create a list of allowed contacts by tapping **Add**, and then selecting contacts from **Contacts**.
 - If you have created a Custom list of allowed contacts, you can tap **Allowed contact list** to modify the list of allowed contacts. This option is only available when the Custom list is enabled.

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Driving Mode

When enabled, alarm and scheduled alarm information is read aloud.

1. Press  and then tap  > **Settings** > **Driving mode**.
2. Tap the **ON/OFF** switch next to **Driving mode** to enable or disable the setting. Driving mode must be enabled to configure options.
3. Tap the checkbox next to **Alarm** to have alarm information read aloud when the alarm sounds.
4. Tap the checkbox next to **Schedule** to have scheduled alarm information read aloud when the scheduled alarm sounds.

Sound Settings

Use Sound settings to control your device's audio, from ringtones and alerts to touch tones and notifications.

Volume

You can adjust the volume settings to suit your needs and your environment.

Note: You can quickly adjust the system volume or the earpiece volume by pressing the Volume Key.

1. Press  and then tap  > **Settings** > **Sound** > **Volume**.
2. Touch and drag the on-screen sliders to assign volume level settings for:
 - **Music, video, games, and other media**
 - **Notifications**
 - **System**
3. Tap **OK** to assign the volume levels.

Notifications

Choose a sound for notifications, such as for new messages and event reminders.

1. Press  and then tap  > **Settings** > **Sound** > **Notifications**.
2. Tap a ringtone to select it. When you tap ringtones, a sample plays.
3. Tap **OK** to assign the ringtone.

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Touch Sounds

When Touch sounds is enabled, tones play when you tap or touch the screen to make selections.

1. Press  and then tap  > **Settings** > **Sound**.
2. Tap the checkbox next to **Touch sounds** to enable or disable the option.

Screen lock sound

When Screen lock sound is enabled, tones play when you touch the screen to lock or unlock it.

1. Press  and then tap  > **Settings** > **Sound**.
2. Tap the checkbox next to **Screen lock sound** to enable or disable the option.

Display Settings

Configure settings for your device's display.

Wallpaper

Customize the background of the Home and Lock screens. Choose from preloaded wallpapers, or select a photo you have downloaded or taken with the Camera.

1. Press  and then tap  > **Settings** > **Display** > **Wallpaper**.
2. Tap a screen to customize: **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Choose a source for wallpaper:
 - **Gallery**: Select a picture from Gallery. Follow the prompts to crop the picture and save it as wallpaper.
 - **Live wallpapers**: Select a moving scene for the background (Home screen only).
 - **Travel wallpaper**: Display recommended destinations on your Lock screen (Lock screen only).
 - **Wallpapers**: Choose an image from the Wallpapers gallery.

Notification Panel

Customize the Notification panel.

1. Press  and then tap  > **Settings** > **Display** > **Notification panel**.
2. Tap the check box next to **Brightness adjustment** to allow adjusting the screen brightness via the Notification panel.
3. To set the quick setting buttons, touch and drag buttons from the Available buttons area to the Notifications panel area. Touch **Reset** to revert back to the default layout.

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Multi Window

Multi window allows you to use two apps on the same screen, in separate, resizable windows.

You can enable Multi window in Settings, and then control whether it displays on the screen by touching and holding on the  **Back Key**.

1. Press  and then tap  > **Settings** > **Display**.
2. Tap the check box next to **Multi window** to enable or disable the option.

Brightness

Adjust your screen's brightness to suit your surroundings.

1. Press  and then tap  > **Settings** > **Display**.
2. Tap **Brightness** to configure options:
 - Tap the check box next to **Automatic brightness** to allow the device to adjust brightness automatically.
 - To set a custom brightness level, clear the Automatic brightness checkmark and then touch and drag the **Brightness level** slider.
3. Tap **OK** to save the settings.

Screen Timeout

Screen timeout lets you select how long the display screen remains lit after you press any key.

1. Press  and then tap  > **Settings** > **Display**.
2. Tap **Screen timeout**, and then tap a time setting.

Daydream

Use the Daydream setting to control what happens when the device is docked or sleeping.

1. Press  and then tap  > **Settings** > **Display**.
2. Touch the **OFF/ON** switch next to Daydream to enable/disable the feature.

Font Style

You can set the font for all text that displays on the screen.

1. Press  and then tap  > **Settings** > **Display**.
2. Tap **Font style**, and then choose a font.

Tip: To acquire additional font options, tap **Get fonts online** to access new fonts in the Google Play Store.

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Font Size

This option allows you to select the size of fonts for your device's screens.

1. Press  and then tap  > **Settings** > **Display**.
2. Tap **Font size**, and then choose a size.

Touch Key Light Duration

This feature allows you to set the length of time the  and  touch keys on the front of your device remain lit after you tap them.

1. Press  and then tap  > **Settings** > **Display**.
2. Tap **Touch key light duration** and then tap a time setting.

Show Battery Percentage

When Display battery percentage is enabled, the percentage of remaining battery power displays beside the battery icon in the Status bar.

1. Press  and then tap  > **Settings** > **Display**.
2. Tap the check box next to **Display battery percentage** to enable or disable the option.

Storage

Manage the use of memory resources in your device's memory, and on an optional installed memory card (not included).

1. Press  and then tap  > **Settings** > **Storage**.
2. View information about memory usage, and for other options:
 - **Device memory:** View memory usage for the different types of information stored on your device's memory. Tap an item for more information.
 - **SD card:** View memory usage for the different types of information stored on an optional installed memory card.
 - **Mount SD card:** Prepare the card for use as storage in the device. This option is only available if an optional memory card is installed, and is not already mounted. Usually, your device mounts a memory card as soon as you install it.
 - **Unmount SD card:** Prepare an installed optional memory card for safe removal or formatting.
 - **Format SD card:** Permanently remove all content from an optional installed memory card. After formatting, the content cannot be retrieved.

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Power Saving Mode

Configure Power saving mode settings to conserve battery power.

1. Press  and then tap  > **Settings**.
2. Tap **Power saving mode** to configure options:
 - Tap the **ON/OFF** switch next to **Power saving mode** to turn the mode On or Off. Power saving mode must be turned On to configure settings.
 - **CPU power saving**: When enabled, the maximum performance of the device's CPU (Central Processing Unit) is disabled to conserve battery power. Tap the check box next to the option to enable or disable it.
 - **Screen power saving**: When enabled, the frame refresh rate and brightness level are reduced to conserve power. Tap the check box next to the option to enable or disable it.

Note: Tap **Learn about Power saving** to view information about these settings.

Power Saving Tips

Active applications, light levels, Bluetooth usage, and GPS functionality all act to drain your battery. The following is a list of helpful tips that can help conserve your battery power:

- Reduce your backlight time.
- Turn Bluetooth off when not in use.
- Turn Wi-Fi off when not in use.
- Turn 4G data service off when not in use
- Turn off GPS location services when not needed. Most applications using this function will periodically query the GPS satellites for your current location; each query drains your battery.
- Do not wait until your battery is completely depleted before charging your device. Repeating this process of a complete discharge and recharge can over time reduce the storage capacity of any battery.
- Turn off Automatic application sync.
- Check the Battery settings to review features or functions that have been consuming your battery power.
- Check the Running Services and close any unnecessary applications.

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- Animated wallpapers use an increased amount of power and memory. Change your Live Wallpaper to a non-animated Wallpaper gallery or Gallery image.

Battery Settings

Your device is equipped with a Lithium Ion (Li-Ion) battery. It allows you to recharge your battery before it is fully drained. The battery provides up to 8.7 hours of continuous digital talk time.

When the battery level becomes critically low, the device plays a tone, displays a critical charge icon  in the Status bar. If you continue using the device without charging, the device will turn off automatically when the charge level becomes too low to continue operating.

Use the battery settings menu to view apps or processes that are using battery power.

1. Press  and then tap  > **Settings** > **Battery**.
2. Tap each process to view additional details.

Application Manager

You can download and install applications from the Google Play Store or Samsung Apps and install them on your device. Use Application manager to manage applications on your device.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Manage Applications

Use the Application manager menu to quickly erase selected content and uninstall third-party applications stored in your device.

Clear an application's cache

1. Press  and then tap  > **Settings** > **Application manager**.
2. Tap the **Downloaded** tab, **On SD Card** tab, **Running** tab, or **All** tab to view the status of apps and services. Tap an app or service for more information, and for app options such as stopping and uninstalling.

Running Services

This service efficiently manages power consumption and processor/memory resources. Processes can be stopped until the device is restarted.

Stop a currently running service

1. Press  and then tap  > **Settings** > **Application manager**.
2. Tap the **Running** tab, tap a running service, and then tap **Stop**.

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3. Read the **Stop system service?** dialog and tap **OK**.
 - These stopped processes restart once the device is restarted.
 - Third-party Task Manager applications are also available from the Google Play Store.

Note: You can also access Task manager by pressing and holding .

Memory Use

View storage used by currently running applications.

- Press  and then tap  > **Settings** > **Application manager**. The bottom of the screen displays the amount of RAM used by all running services.

Location Services Settings

Control apps' access to your location, and configure location sources.

Some apps may require one or more location services be turned On for full app functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

1. Press  and then tap  > **Settings** > **Location services**.
2. Tap the **ON/OFF** switch next to **Access to my location** to allow apps that have asked your permission to use your location information.
3. Configure these options:
 - **Use wireless networks:** When enabled, your device obtains location information from Wi-Fi and/or wireless networks.
 - **Use GPS satellites:** When enabled, your device obtains location information from GPS satellites.

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Lock Screen

Configure settings for locking the screen to improve security.

1. Press  and then tap  > **Settings** > **Lock screen** > **Screen lock**.
2. Tap **Screen lock** and follow the instructions to select a screen lock. Then configure the displayed options for that screen lock.
 - **Swipe:** When enabled, you unlock the device by swiping your finger across the screen. This is the default screen lock, and offers no security.
 - **Multiple widgets:** Display multiple widgets on your Lock screen.
 - **Lock screen widgets:** Customize your clock and personal message.
 - **Shortcuts:** Add app shortcuts to the lock screen.
 - **Unlock effect:** Show a ripple effect on the lock screen when you slide your finger over the screen.
 - **Help text:** Show help information on the Lock screen.
 - **Wake up in lock screen:** Allows you to wake up the screen by speaking a command.
 - **Set wake-up command:** Allows you to set a command to wake up the screen.
 - **Face unlock:** When enabled, you unlock the device by looking at the screen. This option offers low security, because someone who looks similar to you could unlock your device. Tap the option for more information, and to set up Face unlock.
 - **Lock screen widgets:** Customize your clock and personal message.
 - **Improve facial recognition:** Have your face captured in different conditions.
 - **Presence check:** Require a blink to unlock your device.
 - **Lock automatically:** Screen will automatically lock 5 seconds after the screen turns off.
 - **Lock instantly with power key:** Instantly lock the device by pressing the  **Power/Lock Key**.

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- **Face and voice:** When enabled, you unlock the device by looking at the screen and speaking. This option offers low security, because someone who looks and/or sounds similar to you could unlock your device. Touch the option for more information, and to set up Face and voice unlock.
 - **Lock screen widgets:** Customize your clock and personal message.
 - **Improve facial recognition:** Have your face captured in different conditions.
 - **Presence check:** Require a blink to unlock your device.
 - **Lock automatically:** Screen will automatically lock 5 seconds after the screen turns off.
 - **Lock instantly with power key:** Instantly lock the device by pressing the  **Power/Lock Key.**
- **Pattern:** When enabled, you draw a pattern, which you create, on the screen to unlock the device. Touch the option, then follow the prompts to create or change your screen unlock pattern.
 - **Lock screen widgets:** Customize your clock and personal message.
 - **Make pattern visible:** Display the security pattern.
 - **Lock automatically:** Screen will automatically lock 5 seconds after the screen turns off.
 - **Lock instantly with power key:** Instantly lock the device by pressing the  **Power/Lock Key.**
- **PIN:** When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the device. With PIN screen lock, you can also set the With swipe lock and Lock screen options.
 - **Lock screen widgets:** Customize your clock and personal message.
 - **Lock automatically:** Screen will automatically lock 5 seconds after the screen turns off.
 - **Lock instantly with power key:** Instantly lock the device by pressing the  **Power/Lock Key.**

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- **Password:** When enabled, you enter an alphanumeric password, which you create, to unlock the device.
 - **Lock screen widgets:** Customize your clock and personal message.
 - **Lock automatically:** Screen will automatically lock 5 seconds after the screen turns off.
 - **Lock instantly with power key:** Instantly lock the device by pressing the  **Power/Lock Key**.
- **None:** Disable all custom screen lock settings, to use the default swipe unlock screen.

Security Settings

This menu contains features that allow you to configure the device's security parameters.

Encryption

After encryption, you must enter the PIN or password you set each time you turn on your device. You can also encrypt information stored on an optional installed memory card (not included).

Encryption may take an hour or more to complete. Do not turn off the device during encryption. Interrupting the encryption process may result in the loss of some or all data.

Before Encrypting Your Device

Important! Charge the battery to at least 80%, and plug the device into the charger to ensure that the battery remains charged.

Note: Set a Screen lock password of at least 6 characters, including at least one number.

1. Press  and then tap  > **Settings** > **Security**.
2. Follow the prompts to learn about encryption, and then choose an option:
 - Tap **Encrypt device** to encrypt data stored in your device's internal memory.
 - Tap **Encrypt external SD card** to encrypt files stored on an optional install memory card (not included). You can choose whether to encrypt only new files, or to encrypt all files on the card. You can also choose to exclude multimedia files from encryption.

Make Passwords Visible

When enabled, password characters display briefly as you enter them.

1. Press  and then tap  > **Settings** > **Security**.
2. Tap the check box next to **Make passwords visible** to enable or disable the option.

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Device Administration

Some applications, such as Corporate email, may require you allow access to your device by device administrators in certain circumstances, such as if your device is lost or stolen.

These applications enforce remote or local device security policies. Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Device Administrators

1. Press  and then tap  > **Settings** > **Security**.
2. Tap **Device administrators** and then perform these steps:
 - Tap an account
 - Review the device administration details for the account
 - To remove administration from the account, tap **Deactivate**.

Unknown Sources

By default, you can only install apps from the Google Play Store. When Unknown sources is enabled, you can install apps from other sources.

1. Press  and then tap  > **Settings** > **Security**.
2. Tap the check box next to **Unknown sources** to enable or disable the option.

Verify Apps

When enabled, apps are examined before they are installed for any potential harm they might pose to your device.

1. Press  and then tap  > **Settings** > **Security**.
2. Tap the check box next to **Verify apps** to enable or disable the option.

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Credential Storage

You can install credentials from an optional installed memory card (not included), and use the Credential storage settings to allow applications to access the security certificates and other credentials.

1. Press  and then tap  > **Settings** > **Security**.
2. Tap an option:
 - **Trusted credentials:** Display a list of credentials you've installed.
 - **Install from device storage:** Install encrypted certificates from an optional installed memory card (not included).
 - **Clear credentials:** Remove stored credentials and reset the password (only available when credentials are installed).

One-Handed Operation

Your device can be optimized for use primarily by either your left or right hand.

1. Press  and tap > **Settings** > **One-handed operation**.
2. Tap the check box next to **Calculator** to automatically adjust the position of the calculator keypad for use by one hand.
3. Tap the check box next to **Unlock pattern** to automatically adjust the scale of the unlock pattern (when used as the Screen lock) for use by one hand.
4. Tap **Learn about one-handed operations** for additional information on using this feature.

Language and Input Settings

Use Language and input settings to choose a default language for your device's operations, plus settings for text entry and other inputs..

Choose a Default Language

Choose the language for operating your device.

1. Press  and tap > **Settings** > **Language and input**.
2. Tap **Language** to select a language.

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Default Input Method

The following procedure allows you to select and set the default method to use when entering text.

1. Press  and then tap  > **Settings** > **Language and input**.
2. Tap **Default** to select a text entry method.

Note: You can change the input method while you're entering text. Swipe your finger down from the status bar to display Notifications, and then tap **Select input method**.

Google Voice Typing

Google voice typing allows you to speak your entries. When you enable Google voice typing, it's available for use when you touch a field to enter text..

1. Press  and then tap  > **Settings** > **Language and input**.
2. Tap  beside **Google voice typing** to configure options:
 - **Choose input languages:** Select language(s) to use for voice input, or choose Automatic to let Google decide.
 - **Block offensive words:** allows you to hide recognized offensive words.
 - **Download offline speech recognition:** Download and install speech recognition engines, to allow you to use voice input while not connected to the network, such as during Airplane mode.

Samsung Keyboard

The Samsung Keyboard is an on-screen QWERTY keyboard, so you can enter text by “typing” on the keyboard. Samsung keyboard is enabled by default, and you can choose options for using it.

1. Press  and then tap  > **Settings** > **Language and input**.
2. Tap **Language and input**, and then tap  next to **Samsung keyboard** to configure these options:
 - **Input languages:** Choose language(s) for use with Samsung keyboard. When you have more than one language enabled, you can slide your finger on the space bar while entering text to switch languages.
 - **Predictive text:** Tap the **ON/OFF** switch to turn predictive text On or Off. Predictive text suggests words matching your text entries, and optionally, complete common words automatically. Tap **Predictive text** to configure options:

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- **Personalized data:** When enabled, predictive text uses personal language data you have entered to make better predictions.
- **Learn from Gmail:** Log into Gmail to allow your device to learn from your Gmail email.
- **Learn from Twitter:** Log into Twitter to allow your device to learn from your Twitter postings.
- **Learn from Contacts:** Allow your device to learn from your Contacts entries.
- **Clear remote data:** Remove all anonymous data stored on the personalization server.
- **Clear personalized data:** Remove all personalized data you have entered.
- **SwiftKey Flow:** Check to enter text by sliding your finger across the keys on the keyboard.
- **Cursor control:** Check to enable moving the cursor by sliding your finger across the keyboard.
- **Handwriting:** Tap to configure options.
 - **Recognition time:** Choose the length of time the keyboard waits to evaluate handwriting gestures.
 - **Pen thickness:** Choose the size of handwriting strokes on the screen.
 - **Pen color:** Choose the color of handwriting strokes on screen.
 - **Recognition type:** Choose the type of handwriting recognition, from strokes, or complete letters.
 - **About:** View information about Samsung keyboard handwriting.
- **Advanced:**
 - **Auto-capitalization:** When enabled, predictive text automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.
 - **Auto spacing:** automatically inserts spaces between words.
 - **Auto-punctuate:** When enabled, a period and space are automatically entered to end a sentence, when you tap the space bar twice.
 - **Character preview:** When enabled, characters available on the key you touch display briefly as you enter text.

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- **Key-tap vibration:** When enabled, a vibration plays for your key touches.
- **Key-tap sound:** When enabled, a sound plays for your key touches.
- **Reset settings:** Return settings to the defaults.

Swype Settings

Swype is a new way to enter text on touch screens. Instead of touching each key individually, use your finger to trace over the letters of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

1. Press  and then tap  > **Settings** > **Language and input**.
2. Tap  next to **Swype** to configure these options:
 - **Settings:** Set Swype options.
 - **Sound on keypress:** When enabled, the device plays sounds for your Swype touches.
 - **Show complete trace:** When enabled, Swype displays the trace of each word until you start the next word.
 - **Auto-capitalization:** When enabled, Swype automatically capitalizes the first word of sentences.
 - **Auto-spacing:** When enabled, Swype automatically inserts spaces between words as you complete them.
 - **Next word prediction:** When enabled, Swype predicts the next word based on the previous word.
 - **Show Voice key:** When enabled, the Voice key is displayed on the Swype keyboard.
 - **Languages:** Choose the current language for Swype, and download new languages.
 - **Gestures:** Learn about shortcuts you can use on the keyboard to quickly accomplish common tasks.
 - **Help:** Get additional information about using Swype.
 - **Updates:** Check for updates to Swype, and install them if desired.

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Voice Recognizer

You can select which software you wish to use for voice recognition on your device.

1. Press  and then tap  > **Settings** > **Language and input** > **Voice recognizer**.
2. Select **Samsung powered by Vlingo** or **Google**.

Voice Search

The Voice Search feature is a voice-activated application that allows you to tell the device what to search for and then the device activates a Google search based on what you said.

1. Press  and then tap  > **Settings** > **Language and input**.
2. Tap **Voice search** for these options:
 - **Language:** Choose a language for voice searching.
 - **Speech output:** Choose options for speech output.
 - **Block offensive words:** When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
 - **Hotword detection:** When enabled, you can say “Google” to launch voice search.
 - **Download offline speech recognition:** Download speech recognition, to enable voice input while offline.
 - **Personalized recognition:** When enabled, Google uses your personalized information to improve speech recognition.
 - **Google Account dashboard:** Manage your collected data.
 - **Bluetooth:** Record audio through a Bluetooth headset.

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Text-to-Speech Output

Text-to-speech (TTS) provides audible readout of text.

1. Press  and then tap  > **Settings** > **Language and input**.
2. Tap **Text-to-speech output** to configure options:
 - **Preferred TTS engine:** Select **Samsung text-to-speech engine**, or **Google Text-to-speech Engine**. Tap  to configure options.
 - **General:**
 - **Speech rate:** Choose a rate for text readouts.
 - **Listen to an example:** Play an example of speech used for readouts.

Pointer Speed

Adjust the speed of the pointer, when you use your finger to enter text.

1. Press  and then tap  > **Settings** > **Language and input**.
2. Tap **Pointer speed**, and then drag the slider to set the pointer speed. Tap **OK** to save your selection.

Cloud

Back up your personal data using your Samsung Account or use Dropbox to sync your device content.

Personal Data Manage (with Samsung Account)

1. Press  and then tap  > **Settings** > **Cloud**.
2. If you have not signed in to your Samsung Account, tap **Add account**.
3. Tap your Samsung Account to manage your sync settings or remove your Samsung Account.
 - Tap **Storage usage** to show the storage used and the remaining storage available.
 - Touch **Sync settings** to sync your calendar, contacts, Internet, and Memo settings with your Samsung Account.
 - Touch **Backup** to manage your back up and restore options.
 - Touch **Restore** to retrieve data from your Samsung account.

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Content Sync (with Dropbox):

1. If you have not signed in to your Dropbox account, tap **Link Dropbox account**.
2. Tap your Dropbox account to manage your Dropbox settings.
3. Tap Pictures to show pictures from your Dropbox account in the Video Player.
4. Tap Videos to show videos from your Dropbox account in the Video Player.
5. Tap **Documents** to sync all of your documents in the DocumentSync folder with your Dropbox account.

Back Up and Reset Settings

Set up a backup account on your device to save information from your device to the account, and choose options for restoring data or resetting your device to the factory defaults.

1. Press  and then tap  > **Settings** > **Back up and reset**.
2. Configure options:
 - Tap **Back up my data** to create a backup of your app data, Wi-Fi passwords, and other settings to Google servers.
 - Tap **Backup account** to choose a Google account for backups.
 - Tap **Automatic restore** to allow your device to restore information from your backup account when you reinstall an app.
 - Tap **Factory data reset** to reset your device and sound settings to the factory default settings.

Accounts Settings

When you set up accounts on your device, such as your Google or Samsung accounts, email or social networking accounts, you can synchronize account information between your device and the account. Types of information you can synchronize include contacts, pictures, videos, and other types of files.

Add an Account

Add an account to your device to share information between your device and the account.

1. Press  and then tap  > **Settings** > **Add account**.
2. Choose a type of account, and then follow the prompts to enter your account credentials and complete the account set up.

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Voice Control

Use voice commands to control the Alarm, the Camera, and the Music Player.

1. Press  and then tap  > **Settings** > **Voice control**.
2. Touch the OFF/ON switch to enable this option.
3. Touch the check box next to **Alarm** to stop or snooze alarms with the voice commands Stop and Snooze.
4. Tap the check box next to **Camera** to take pictures with voice commands such as Capture, Shoot, Smile, or Cheese.
5. Tap the check box next to **Music** to control the Music Player with the voice commands Next, Previous, Play, Pause, Volume up, and Volume down.

Accessory Settings

Configure your device's behavior when it is connected to an optional dock (not included).

1. Press  and then tap  > **Settings** > **Accessory**.
2. Configure these settings:
 - **Dock sound:** When enabled, a sound plays when you insert and remove the device from the dock.
 - **Audio output mode:** When enabled, audio plays through the dock speakers when the device is docked.
 - **Audio output:** Choose a destination for audio output when you connect to devices via HDMI cable.

Date and Time Settings

Your device obtains its time and date information by using the network-provided date, time, and time zone. These values can be manually altered.

1. Press  and then tap  > **Settings** > **Date and time**.
2. Tap **Automatic date and time** to disable the feature.
 - If enabled, you cannot alter the date, time zone or time values.
3. Tap **Set date**. Adjust the date, month, and year. Tap **Set** when finished.
4. Tap **Set time**. Adjust the hour and minute. Tap the **am** or **pm** icon to change the value. Tap **Set** when finished.

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5. Tap **Automatic time zone** to disable the feature.
 - If enabled, you cannot alter the time zone values.
6. Tap **Select time zone**, and then select a time zone from the on-screen list. Scroll down the list to view additional time zones.
7. Tap **Use 24-hour format** to toggle between using a 12-hour or a 24-hour format.
8. Tap **Select date format** to select how the date information is displayed on your device. The selected date format is also applied to the date displayed in the device's Alarm Clock.

Accessibility Settings

Your device offers features to make using the device easier for those with certain physical disabilities. Use Accessibility settings to configure these features.

1. Press  and then tap  > **Settings** > **Accessibility**.
2. Configure these options:
 - Tap **Auto-rotate screen** to enable or disable automatic rotation of the screen when you rotate the device.
 - Tap **Screen timeout** to set a period of time for the screen to remain lit, after which it will dim and lock.
 - Tap **Speak passwords** to allow the device to read aloud password information.
 - Tap **Show shortcut** to display a shortcut to the Device options menu. The Device options menu displays when you press and hold the  **Power/Lock Key**.
 - Tap **Manage accessibility** to save your accessibility settings to a file, import settings from a file, or share your settings with another device.
 - Tap **TalkBack** to activate the TalkBack feature and configure options.
 - Tap **Font size** to change the size of the fonts used on the screen.
 - Tap **Negative colors** to reverse the display of on-screen colors from White text on a Black background to Black text on a White background.
 - Tap **Text-to-speech output** to configure options for converting text to speech. For more information, see [Text-to-speech Output](#).
 - Tap **Enhance web accessibility** to choose whether to allow apps to install scripts from Google that make their Web content more accessible.

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- Tap **Sound Balance** to control the signal sent to the left and right when using earphones.
- Tap the check box next to **Mono audio** to enable stereo audio to be compressed into a single mono audio stream for use with a single earphone.
- Tap the check box next to **Turn off all sounds** to mute every sound made by the device during taps, selections, notifications, etc.
- Tap **Assistant Menu** to configure:
 - **Dominant hand:** Select Left hand or Right hand to optimize the device for one-handed use.
 - **Edit:** Reorder or remove menu items from the Navigation panel.
- Tap the check box next to **Press and hold delay** choose how long your device waits during a tap and hold gesture on the screen, before continuing with the tap and hold action.
- Tap the ON/OFF switch next to enable **Interaction control**. Enabling **Interaction control** allows you to turn motions and screen timeout on or off, block areas of the screen from touch interaction, turn auto-rotate and hard key functions off, and show notifications only on the Notifications panel and Status bar.

Developer Options Settings

Use the Developer Options to set options for application development.

Important! These features are used for development purposes only.

Turn Developer Options On or Off

When Developer Options are turned On, developers can use special options for debugging applications.

1. Press  and then tap  > **Settings** > **Developer options**.
2. Tap the ON/OFF slider to turn **Developer options** On or Off.

Important! These features are used for development purposes only.

- **Make bug report:** Send a bug report as an email message.
- **Desktop backup password:** Protect desktop backup using a password.
- **Stay awake:** Cause the screen to never go to sleep (time out) while the device is charging.
- **Protect SD card:** Apps must request permission to read SD card.

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Debugging Options

- **USB debugging:** Allow debugging when the device is attached to a PC by a USB cable.
- **Include bug reports in power menu:** Include the option in the Power menu for taking a bug report.
- **Allow mock locations:** Allow apps to use mock location information during debugging.
- **Select app to be debugged:** Choose a development app for debugging.
- **Wait for debugger:** Choose how the device and selected app respond when the device is connected to a debugger.
- **Verify apps via USB:** Check installed apps from ADB/ADT for harmful behavior.

Input Options

- **Show touches:** Display touch interactions on the screen.
- **Show pointer location:** Highlight the data that was touched on the screen.

Drawing Options

- **Show layout boundaries:** Display boundaries for clips, margins, etc.
- **Show GPU view updates:** Flash views inside windows when drawn with the GPU.
- **Show hardware layers update:** Flash hardware layers green when they update.
- **Show GPU overdraw:** Display GPU overdraw from least to most GPU usage.
- **Show screen updates:** Area of the screen flash as they update.
- **Window animation scale:** Configure the scale for windows.
- **Transition animation scale:** Configure the scale for transitioning when using animation.
- **Animator duration scale:** Configure the scale for animator duration.
- **Turn off hardware overlays:** Use the GPU for screen compositing.
- **Force GPU rendering:** Use a 2D acceleration in applications.
- **Turn on 4x MSAA:** Turn on 4x MSAA in OpenGL ES 2.0 apps.
- **Simulate secondary display:** Select secondary display modes.

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Monitoring Options

- **Strict mode:** The screen flashes when apps perform long operations on the main thread.
- **Show CPU usage:** Screen highlights the current CPU usage.
- **GPU rendering profile:** Measures rendering time in adb shell dumpsys gfxinfo.
- **Turn on OpenGL traces:** Display OpenGL traces.
- **Turn on traces:** Choose traces to create.

Application Options

- **Do not keep activities:** destroy every activity as soon as the application is closed.
- **Limit background processes:** set the number of processes that can run in the background.
- **Show all ANRs:** display a prompt when applications running in the background are not responding.

Activate This Device

Connect to the network and activate your device. If your device is already activated, use this option to view information about your plan and usage.

1. Press  and then tap  > **Settings**.
2. Tap **Activate this device**, and then follow the prompts to activate your device on the network.

System Update Settings

Use System update options to update your device's internal software.

1. Press  and then tap  > **Settings**.
2. Tap **System Update** to use these options:
 - **Update PRL:** Download and the latest Preferred Roaming List (PRL), used by your device to access the network.
 - **Update Profile:** Update the user profile related to your wireless service account.
 - **Update Samsung Software:** Upgrade to the latest software available for your device.
 - **Update Firmware:** Update your device's firmware. Follow the prompts to download and install the update.

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About Device

The About device menu lets you access important information about your device.

1. Press  and then tap  > **Settings**.
2. Tap **About device**, and then tap items for more details:
 - **Status**: View information about your device's current status.
 - **Legal information**: Display open source licenses, configure license settings, including your DivX® VOD registration, and Google info.
 - **Model number**: View your device's model number.
 - **Android version**: View the firmware version of your device.
 - **Baseband version**: View the baseband version of your device.
 - **Kernel version**: View the kernel version of your device.
 - **Build number**: View the build number of your device.
 - **SELinux status**: View the status of the SELinux.
 - **Secure boot** status: View the type of the device's secure boot.
 - **Hardware version**: View the hardware version of your device.

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