Please read this manual before operating your device and keep it for future reference.
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[041516]

Legal Information

Important legal information can be accessed in writing on the mobile device or at samsung.com

READ THIS INFORMATION BEFORE USING YOUR MOBILE DEVICE.

Samsung Limited Warranty - This product is covered under the applicable Samsung Limited Warranty INCLUDING ITS DISPUTE RESOLUTION PROCEDURE and your right to opt out of arbitration within 30 calendar days of the first consumer purchase. You may opt out by either sending an email to optout@sea.samsung.com with the subject line “Arbitration Opt-Out” or by calling 1-800-SAMSUNG (726-7864). For more detailed procedures, please refer to the “Dispute Resolution Procedures and Arbitration and Opt-Out” section of the Limited Warranty.

The online version of the Health/Safety and Warranty guide for your device can be found at:

English
samsung.com/us/Legal/Tablet-HSGuide

Spanish
samsung.com/us/Legal/Tablet-HSGuide-SP

The online version of the End User License Agreement (EULA) for your device can be found online at:
samsung.com/us/Legal/SamsungLegal-EULA4

Note: Screen images are simulated. Appearance of device may vary.

Do you have questions about your Samsung Mobile Device?

For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at: samsung.com/us/support

The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory. The available capacity may change when you upgrade the device.
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Getting Started

Learn about your mobile device hardware, assembly procedures, and how to get started using your new device.
• **Proximity sensor**: Detect the presence of objects near the device.

• **Front camera**: Take self-portraits and record videos of yourself.

• **Back**: Return to the previous screen, or close a dialog box, menu, or keyboard.

• **Home key**: Return to the Home screen.

• **Recent**: Tap to display recent apps, or touch and hold for Multi window.

• **USB charger/Accessory port**: Connect the USB charger (included) and other optional accessories (not included).
• **Headset jack**: Connect an optional headset (not included).

• **Rear camera**: Take pictures and record videos.

• **Flash**: Illuminate subjects in low-light environments when taking a photo or recording video.

• **Speaker**: Play music and other sounds.

• **Memory card slot**: Install an optional memory card (not included) for storage of files.

• **Volume key**: Adjust the volume of your device’s sounds and audio playback.

• **Power key**: Press to lock or wake up the screen. Press and hold to turn the device on or off, restart it, or for Airplane mode.

• **Microphone**: Record audio and detect voice commands.
This section helps you to assemble your device.

Install an Optional Memory Card

You can install an optional microSD™ or microSDHC™ memory card (not included) to add additional memory space to your device.

Note: A memory card can be installed at any time; it is not necessary to install it prior to using the device.

1. Open the memory card slot cover and turn to expose the slot.
2. With the gold contacts facing down, carefully slide the memory card into the slot, pushing gently until it clicks into place.
3. Close the memory card slot cover.

Caution: If the memory card is not inserted correctly, the device cannot detect it. Reorient the memory card and place it back into the slot if it is not detected.

Charge the Battery

Your device is powered by a rechargeable, standard Li-Ion battery. A USB charger (charging head and USB cable) is included with the device for charging the battery from any standard outlet.

The battery comes partially charged. A fully discharged battery requires up to four hours of charge time. You can use the device while charging.

Note: It is recommended you fully charge the battery before using your device for the first time.

Caution: Use only charging devices and batteries approved by Samsung. Samsung accessories are designed for your device to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

1. Insert the USB cable into the USB charger/Accessory port.
2. Connect the USB cable to the charging head, and then plug the charging head into a standard outlet.
3. Unplug the charging head from the outlet and remove the USB cable from the device when charging is complete.
When to Charge the Battery

When the battery is low and only a few minutes of operation remain, the device sounds a warning tone at regular intervals.

In this condition, your device conserves its remaining battery power by dimming the screen.

When the battery level becomes too low, the device automatically turns off.

For a quick check of your battery level:

► View the battery charge indicator located in the top right corner of your device’s display. A solid color (□) indicates a full charge.

You can also choose to display a percentage value. Viewing a percentage value can provide a better idea of the remaining charge on the battery. For more information, see Battery.
Set Up Your Device

Turn Your Device On or Off
The instructions below explain how to turn your device on or off.

Turn the Device On
► Press and hold the Power key until the device turns on.

Turn the Device Off
1. Press and hold the Power key until the Device options menu is displayed.
2. Tap Power off, and confirm if prompted.

Initial Set Up
The first time you turn your device on, the Welcome screen is displayed. It guides you through the basics of setting up your device.

Follow the prompts to choose a default language, connect to a Wi-Fi® network, set up accounts, choose location services, learn about your device’s features, and more.

Note: Voice Assistant provides voice prompts and descriptions of items on the screen to improve accessibility. During setup, you can enable or disable Voice Assistant by pressing the Home key quickly three times.

Secure Your Device
Use your device’s screen lock features to secure your device.

Lock the Device
By default, the device locks automatically when the screen times out.

To lock the device:
► Press the Power key.

Unlock the Device
The default Screen lock on your device is Swipe.

Note: To choose a more secure screen lock, see Set a Screen Lock.

To unlock your device:
► Press the Power key or Home key, and then drag your finger across the screen.
Set Up Accounts on Your Device

Samsung Account
Create a Samsung account for access to Samsung content and apps on your device. When you turn on your device for the first time, set up your existing Samsung account or create a new Samsung account.

– or –
To create a new Samsung account or set up your Samsung account on your device at any time, use Accounts settings. For more information, see Accounts.

1. From a Home screen, tap Apps > Settings > Accounts.
2. Tap Add account > Samsung account.

Google Account
Your new device uses your Google™ Account to fully utilize its Android™ features, including Gmail™, Google Hangouts™, and the Google Play™ store.

When you turn on your device for the first time, set up your existing Google Account or create a new Google Account.

– or –
To create a new Google Account or set up your Google Account on your device at any time, use Accounts settings. For more information, see Accounts.

1. From a Home screen, tap Apps > Settings > Accounts.
2. Tap Add account > Google.

Factory Reset Protection
When you sign in to a Google Account on your device, Factory Reset Protection is turned on. Factory Reset Protection (FRP) prevents other people from using your device if it is reset to factory settings without your permission. For example, if your device is lost or stolen and a factory reset is performed, only someone with your Google Account username and password can use the device.

You will not be able to access the device after a factory data reset if you do not have your Google Account username and password. For more information, see Factory Data Reset.

Caution: You should remove your Google Account before shipping your device to Samsung or any other service provider for service and before resetting the device to factory settings.

Enable Factory Reset Protection
Adding a Google Account to your device automatically turns on the Factory Reset Protection (FRP) security feature. For more information, see google.com.

Disable Factory Reset Protection
To disable FRP, remove all Google Accounts from the device.

1. From a Home screen, tap Apps > Settings.
2. Tap Accounts > Google.
3. Tap your Google Account.
   • If you have more than one Google Account set up on your device, tap the account you want to remove.
4. Tap More > Remove account.
Know Your Device

Learn some of the key features of your mobile device, including the screens and icons, as well as how to navigate the device and enter text using the keyboard.

Warning: Please note that a touch screen responds best to a light touch from the pad of your finger or a capacitive stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.
Home Screen

The Home screen is the starting point for using your device.

- **Status bar**: Displays device status icons on the right, and notification icons on the left. For more information, see [Status Bar](#).
- **App folder**: Groups multiple apps into a folder.
- **Apps list**: Allows quick access to all of your applications.
- **Primary app shortcuts**: Displays these shortcuts on all Home screens.
- **Home screen indicator**: Indicates which Home screen is currently visible.
- **App shortcuts**: Launches your favorite applications.
- **Widget**: Runs as a simple application extension (not a shortcut) on a Home screen.
Customize your Home screens by adding application shortcuts, widgets, folders, and custom wallpapers.

To access Home Screen Manager:
► From a Home screen, pinch the screen.
– or –
Touch and hold an empty space on the screen.

Manage Home Screens
Your device comes with multiple Home screens to hold app shortcuts and widgets. You can add, remove, change the order of screens, as well as choose a different main Home screen.

1. From a Home screen, pinch the screen.
2. Use these options to manage screens:
   • Add a screen: Swipe to the end of the screens, and then tap Add.
   • Remove a screen: Touch and hold a screen, and then drag it to Remove.
   • Set a screen as the main Home screen: Tap Main Home screen at the top of a screen. This screen is displayed when you press the Home key.
   • Change the order of screens: Touch and hold a screen, and then drag it to a new position.

Wallpapers
Change the look of the Home and Lock screens with wallpaper. You can display a favorite picture or choose from preloaded wallpapers.

1. From a Home screen, pinch the screen.
2. Tap Wallpapers to customize.

For more information, see Wallpaper.

To access Wallpaper settings:
► From a Home screen, tap Apps > Settings > Wallpaper.

Widgets
Widgets are application extensions that run on a Home screen. There are many kinds of widgets, including links to a specific contact, Internet bookmarks, Gmail and email accounts, and many others.

Add a Widget to a Home Screen
You can add a widget to a Home screen.

1. From a Home screen, pinch the screen.
2. Tap Widgets.
3. Touch and hold a widget, drag it to a Home screen, and release it.

Remove a Widget
You can remove a widget that you added to a Home screen.

1. From a Home screen, touch and hold a widget to release it.
2. Drag the widget to Remove and release it.

Note: Removing a widget does not delete the widget, it just removes the widget from the Home screen.
App Shortcuts
You can use app shortcuts to launch an app from any Home screen.

Add a Shortcut to a Home Screen
You can add a shortcut to a Home screen.
1. From a Home screen, tap Apps.
2. Touch and hold an app shortcut, drag it to a Home screen, and then release it.

Remove a Shortcut
You can remove a shortcut that you added to a Home screen.
1. Touch and hold an app shortcut to release it.
2. Drag the app shortcut to Remove and release it.

Note: Removing a shortcut does not delete the app, it just removes the shortcut from the Home screen.

Move a Shortcut
You can move a shortcut from one Home screen to another.
1. Touch and hold an app shortcut to release it.
2. Drag the app shortcut to Move apps and release it.
3. Swipe to a new Home screen.
4. Tap the shortcut to place it in the next available location, or drag it to a specific location and release it.

Folders
Place folders on a Home screen to organize items.

Create a Folder
You can create an app folder on a Home screen.
1. From a Home screen, touch and hold an app shortcut and drag it on top of another app shortcut until a highlighted box appears.
2. Release the app shortcut to create the folder.
   - Enter folder name: Enter a name for the folder.
   - Palette: Change the color.
3. Tap anywhere outside of the folder to close it.
   - To add more apps, touch and hold an app shortcut and drag it to the folder.

Remove a Folder from a Home Screen
You can remove a folder that you added to a Home screen.
1. Touch and hold the folder until it detaches.
2. Drag the folder to Remove and release it.
The Status bar at the top of the Home screen provides device information (such as network status, battery charge, and time) on the right side and notification alerts on the left.

### Status Icons

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Battery" /></td>
<td><strong>Battery full</strong>: Battery is fully charged.</td>
</tr>
<tr>
<td><img src="image" alt="Battery" /></td>
<td><strong>Battery low</strong>: Battery is low.</td>
</tr>
<tr>
<td><img src="image" alt="Battery" /></td>
<td><strong>Battery charging</strong>: Battery is charging.</td>
</tr>
<tr>
<td><img src="image" alt="Mute" /></td>
<td><strong>Mute mode</strong>: Mute mode is enabled.</td>
</tr>
<tr>
<td><img src="image" alt="Wi-Fi" /></td>
<td><strong>Wi-Fi active</strong>: Wi-Fi is active.</td>
</tr>
<tr>
<td><img src="image" alt="Wi-Fi" /></td>
<td><strong>Wi-Fi available</strong>: A Wi-Fi network is available.</td>
</tr>
</tbody>
</table>

### Notification Icons

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Email" /></td>
<td><strong>New email</strong>: New email has arrived.</td>
</tr>
<tr>
<td><img src="image" alt="Mail" /></td>
<td><strong>New Gmail</strong>: New Gmail has arrived.</td>
</tr>
<tr>
<td><img src="image" alt="Voicemail" /></td>
<td><strong>New voicemail</strong>: New voicemail message has been received.</td>
</tr>
<tr>
<td><img src="image" alt="File" /></td>
<td><strong>File download in progress</strong>: Download of a file or app is in progress.</td>
</tr>
<tr>
<td><img src="image" alt="File" /></td>
<td><strong>File upload in progress</strong>: File is being uploaded or sent.</td>
</tr>
<tr>
<td><img src="image" alt="GPS" /></td>
<td><strong>GPS active</strong>: Location service (GPS) is active.</td>
</tr>
<tr>
<td><img src="image" alt="App" /></td>
<td><strong>App updates available</strong>: App updates are available from the Google Play store.</td>
</tr>
<tr>
<td><img src="image" alt="App" /></td>
<td><strong>App updates complete</strong>: App installation or updates are complete.</td>
</tr>
</tbody>
</table>
Learn the basics for how to navigate through your device.

Touchscreen Navigation
Use the following motions and gestures on your touchscreen to navigate the device.

**Tap**
Lightly tap items to select or launch them.
- Tap the keyboard to enter characters or text.
- Tap an item to select it.
- Tap an app shortcut to launch the application.

**Touch and Hold**
Touch and hold items on the screen to activate them.
- Touch and hold a widget on a Home screen to move it.
- Touch and hold a field to display a pop-up menu of options.

**Swipe**
Lightly drag your finger vertically or horizontally across the screen.
- Swipe the screen to unlock the device.
- Swipe the screen to scroll through the Home screens or menu options.

**Drag**
Touch and hold an item, and then move it to a new location.
- Drag an app shortcut to add it to a Home screen.
- Drag a widget to place it in a new location on a Home screen.

**Pinch and Spread**
Pinch the screen using your thumb and forefinger or spread by moving your fingers apart.
- Pinch the screen to zoom out while viewing a picture or a web page.
- Spread your fingers on the screen to zoom in while viewing a picture or a web page.

**Common Options**
The device uses basic command options to perform common actions.
- **More**: Tap to view more menu options for a screen. This often allows you to select items to delete or share.
- **Delete**: Tap to select items to delete.
- **Share**: Tap to select items to share, and then choose a sharing method.
- **Edit**: Tap to customize the screen.
- **On/Off button**: Tap to turn the option on (on) or off (off).
- **Checkbox**: Tap to enable or select. When enabled, a checkmark is displayed. You can often tap a checkbox at the top of the screen to select all.
- **Menu**: Tap to view available options for the field.
Notification icons on the Status bar display calendar events, device status, and more. For details, open the Notification panel.

- **Settings**: Display the Settings screen.
- **Users**: Select and change the user profile.
- **View all**: View all of the Quick settings.
- **Clear notifications**: Clear all notifications.
- **Notification card**: View details about a notification.
- **Screen brightness**: Adjust screen brightness.
- **Quick settings**: Quickly enable or disable a feature.
View the Notification Panel

You can access the Notification panel from any Home screen.

1. Drag the Status bar down to display the Notification panel.

2. Swipe down the list to see notification details.
   - To open an item, tap it.
   - To clear a single notification, drag the notification left or right.
   - To clear all notifications, tap Clear.

3. Drag upward from the bottom of the screen or tap Back to close the Notification panel.

Quick Settings

In addition to notifications, the Notification panel also provides quick access to device functions such as Wi-Fi, allowing you to quickly turn them on or off.

To view additional Quick settings:

1. Drag the Status bar down to display the Notification panel.

2. Swipe left or right across the visible icons.

To customize the Quick settings that display:

1. Drag the Status bar down to display the Notification panel.

2. Tap View all, and then tap Edit.
   - Drag the icons to change their positions. The first ten icons appear on the Notification panel.

3. Tap Done to save.

Quick Connect

Search for nearby devices automatically to connect to them quickly and easily.

1. Drag the Status bar down to display the Notification panel.

2. Tap Quick connect. Your device automatically scans for compatible devices.
   - Scan for nearby devices: Scan for compatible devices.
   - Refresh: Update the list of discovered devices.
   - More:
     - Set device visibility: Configure device visibility.
     - About Quick connect: View Quick connect information.

3. Tap a device from the list and select an option:
   - Share content: Choose a file to share with the device.
   - Share Wi-Fi profile: Share available Wi-Fi profiles with the device.

To disconnect from a device:

1. Drag the Status bar down to display the Notification panel.

2. Tap Quick connect.

3. Tap Remove from list for the paired device.
Multi Window

Multitask by using multiple applications at the same time.

Activate Multi Window

Apps that support Multi window display together on a split screen. You can switch between the apps, adjust the size of their display on the screen, and copy information from one app to the other.

Note: Multi window is not available for all apps.

1. From any screen, touch and hold Recent.
2. Tap two apps that support Multi window to open them in split screen view.
   - or -
   If you are currently using an app that supports Multi window, tap another app to add it in split screen view.
You can also launch recently used apps directly into Multi window view:

1. Tap 📌 Recent.
   - Recently used apps that support Multi window have a Multi window icon in their title bar.

2. Tap Multi window in the title bar to launch an application in split screen view.
   - Other recently used apps that support Multi window display below the launched app.

3. Tap an app icon to add it to the split screen view.

**Note:** Only applications that support Multi window have the Multi window icon.

### Window Controls

Select an app window, and then tap 🗓 Window controls in the middle of the window border.

#### Controls

- **Switch windows:** Switch locations between Multi window apps.
- **Drag and drop content:** Move items between the app windows. Drag an item to share from one window to another. Not all applications support this feature.
- **Minimize window:** Minimize the selected app window. This turns the app into a circular, movable icon that can be opened by tapping on it.
- **Maximize window:** Open the selected app window in full screen view.
- **Close app:** Close the selected app.
Enter Text

Text can be entered using a keyboard or by speaking.

Use the Samsung Keyboard
Enter text using a QWERTY keyboard.

<table>
<thead>
<tr>
<th>Special Keys</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sym</td>
</tr>
<tr>
<td>Ctrl</td>
</tr>
</tbody>
</table>

Touch and hold Options for the following:

- **Voice input**: Enter text using Google Voice™ typing.
- **Handwriting**: Use your handwriting to enter text.
- **Clipboard**: Access the clipboard.
- **Emoticon**: Insert an emoticon at the cursor position.
- **Keyboard layout**: Change the layout of the keyboard.
- **Keyboard settings**: Access keyboard settings.

**Note**: Available options depend on the app in use. Not all options are available for all apps.

Predictive Text
Predictive text suggests words that match your text entries, and can automatically complete common words. Predictive text can learn your personal writing style from your contacts, messages, email, and social networking sites—improving the accuracy of predicting text entries.

Configure the Samsung Keyboard
To customize the Samsung keyboard:
1. From a Home screen, tap Apps > Settings.
2. Tap Language and input > Samsung keyboard for options.

For more information, see Samsung Keyboard.
Use Google Voice Typing

Instead of typing, enter text by speaking.

To enable Google voice typing:

1. Tap Voice input on the Samsung keyboard.
   - You may need to touch and hold Options (left of the Space bar) to find it.

2. Speak your text.

   **Note:** Tap Settings > Languages to download additional languages for use with Google voice typing.

Configure Google Voice Typing

To customize Google voice typing:

1. From a Home screen, tap Apps > Settings.

2. Tap Language and input > Google voice typing for options.

For more information, see Google Voice Typing.
Applications

Learn how to change the way apps are displayed, organize apps into folders, and uninstall or disable apps.
The Apps list displays all preloaded apps and apps that you downloaded. You can uninstall, disable, or hide apps from view.

Shortcuts to apps can be placed on any of the Home screens. For more information, see Add a Shortcut to a Home Screen.

Access Apps
You can access and launch all applications from the Apps list.

1. From a Home screen, tap Apps.
2. Tap an app’s shortcut to launch it.
   - To return to the main Home screen, press the Home key.

Download and Install New Apps
Find new apps to download and install on your device.

- Play Store: Download new apps from the Google Play store. Visit play.google.com/store/apps to learn more.
- Galaxy Apps: View and download Samsung apps that are optimized for use with Galaxy devices. Visit samsung.com/levant/apps/mobile/galaxyapps to learn more.

Uninstall or Disable Apps
You can uninstall or disable apps you download and install.

- Preloaded apps cannot be uninstalled.
- Apps that are disabled are turned off and hidden from view.

To uninstall or disable an app:
1. From a Home screen, tap Apps.
2. Tap Edit. Apps that can be uninstalled or disabled display Uninstall/Disable on their shortcut.
3. Tap Uninstall/Disable and follow the prompts to either uninstall or disable the app.

To enable apps after disabling them:
1. From a Home screen, tap Apps > Settings > Applications > Application manager.
2. Tap All apps > Disabled, and then tap the app you want to enable.
3. Tap Enable. The app is displayed again in the Apps list.
Organize Your Apps

App shortcuts can be listed alphabetically or in your own custom order.

To change the order apps are listed:
1. From a Home screen, tap Apps > Edit.
2. Touch and hold an app shortcut or folder, and then drag it to a new location.
3. Tap Done when finished.

To alphabetize your apps:
1. From a Home screen, tap Apps > A-Z.
2. Tap Save.

Use Folders to Organize Apps

You can organize Apps in a folder on a Home screen.

1. From a Home screen, tap Apps > Edit.
2. Touch and hold an app shortcut, and then drag it on top of another app shortcut until a highlighted box is displayed.
3. Release the app shortcut to create the folder.
   - **Enter folder name**: Name the folder.
   - **Palette**: Change the folder color.
4. Tap anywhere outside of the folder to close it.
   - To add more apps, touch and hold an app shortcut and drag it to the folder.
5. Tap Done when finished.

To launch apps in a folder:
► Tap a folder, and then tap an app shortcut to launch it.

To delete a folder:
1. From a Home screen, tap Apps > Edit.
2. Tap the folder to delete and tap Delete folder. Confirm when prompted.
3. Tap Done when finished.

Add a Folder to a Home Screen

1. From a Home screen, tap Apps.
2. Touch and hold a folder, drag it to a Home screen, and then release it.
Google Apps

Enjoy these apps from Google.

Note: Certain apps require a Google Account. Visit google.com to learn more.

Chrome
Browse the Internet and bring your open tabs, bookmarks and address bar data from your computer to your mobile device.

Visit google.com/chrome/mobile to learn more about Chrome™.

Drive
Open, view, rename, and share your Google Docs™ and files.

Visit drive.google.com to learn more about Google Drive™.

Gmail
Send and receive email with Gmail, Google’s web-based email service.

Visit gmail.com to learn more.

Google
Search not only the Internet, but also the apps and contents of your device.

Google Now
Works in the background to collect information you regularly look up and organize it into convenient cards that appear when you need them.

Visit google.com/search/about/learn-more/now/ to learn more.

Note: When Google Now™ is enabled, you can access it by tapping Google.

Hangouts
Meet friends and family online, share photos, host video calls, and send SMS and Hangouts messages.

Visit hangouts.google.com to learn more.

Maps
Find your current location and get directions and other location-based information.

Visit google.com/maps to learn more.

Note: You must enable location services to use Google Maps. For more information, see Location.

Photos
Automatically backs up your photos and videos to your Google Account.

Visit photos.google.com to learn more about Google Photos™.

Play Movies & TV
Watch movies and TV shows purchased from Google Play. You can stream them instantly or download them for viewing when you are not connected to the Internet. You can also view videos saved on your device.

Visit play.google.com/store/movies to learn more.

Play Music
Play music and audio files on your device.

Visit play.google.com/music to learn more.
Play Store

Find new apps, movies and TV shows, music, books, magazines, and games in Google Play store.

Visit play.google.com/store to learn more.

YouTube

View and upload YouTube™ videos from your device.

Visit youtube.com to learn more.
There are additional apps, including several Samsung apps, preloaded on your device.

**CNN for Samsung**
Stay informed on the latest news from around the world, follow up-to-the-minute breaking news, catch up on your favorite CNN shows, and watch live video in one place.

**Excel**
View, create, and edit spreadsheets on your device. You can unlock the full Excel® experience with an Office 365™ subscription.

**OneDrive**
Store and share photos, videos, documents, and more in your free online OneDrive™ account, which you can then access from your personal computer, tablet, or phone.

**OneNote**
Stay organized using text, pictures, or audio notes. Create Quick Notes or review and edit shared OneNote® notebooks using OneDrive.

**PowerPoint**
View, create, and edit presentations on your device. You can unlock the full PowerPoint® experience with an Office 365 subscription.

**Skype**
Hold video and voice calls, and send instant messages to anyone around the world.

**Word**
View, create, and edit documents on your device. You can unlock the full Word experience with an Office 365 subscription.
The Calculator provides basic and advanced arithmetic functions.

Basic Operation
You can use your calculator to perform basic operations.

1. From a Home screen, tap Apps > Samsung folder > Calculator.
2. Enter the first number using the numeric keys.
3. Tap the appropriate arithmetic function key.
4. Enter the next number.
5. Tap Equals to view the result.
6. Tap Clear to clear the results.

Note: The Calculator app also provides advanced arithmetic functions, such as sin, cos, and tan.

Additional Functions
You can perform additional functions on your calculator.

To clear the calculator history:

► Tap Clear history.

To copy all or part of the calculation to the clipboard:

 ► Touch and hold an entry in the display field, and then tap Copy.
Manage your events and tasks.

Calendar View
To choose a calendar view:
1. From a Home screen, tap Apps > Calendar.
2. Tap one of the following:
   - **Year:** Display all twelve months of this year. Swipe across the screen to display another year.
   - **Month:** Display the current month. Swipe across the screen to display another month.
   - **Week:** Display the current week. Swipe across the screen to display another week.
   - **Day:** Display today’s schedule by hour. Swipe across the screen to display another day.
   - **Tasks:** Display all tasks.
3. Tap Today to return to the current date.

Create an Event
You can use your Calendar to create events.
1. From a Home screen, tap Apps > Calendar.
2. Tap Add to add an event.
3. Enter details for the event, and then tap Save.

Share an Event
You can share events you create from your Calendar.
1. From a Home screen, tap Apps > Calendar.
2. Tap an event to view it.
3. Tap Share, choose a sharing method, and follow the prompts.

Delete an Event
You can delete events you create from your Calendar.
1. From a Home screen, tap Apps > Calendar.
2. Tap an event to view it, and then tap Delete.

Create a Task
You can use your Calendar to create tasks.
Tasks are items you add to the calendar to be accomplished on a certain day. A task appears as a checklist item and is removed once you mark the task as complete.
1. From a Home screen, tap Apps > Calendar.
2. Tap Tasks.
3. Tap the Enter new task field to enter a new task.
4. You can choose to set the task for Today, Tomorrow, or tap Expand to set the following options:
   - **Set date:** Choose a date on the calendar for the task.
   - **Reminder:** Set a reminder alert.
   - **Notes:** Save a note with your task.
   - **Priority:** Assign a priority to the task.
5. Tap Save to save the task.
Delete a Task
You can delete tasks you create from your Calendar.

1. From a Home screen, tap Apps > Calendar.
2. Tap a day on the calendar to view the tasks for the day, or tap Tasks.
3. Tap the checkbox by the task to mark it as complete and remove it from the calendar.
   - To delete the task permanently, tap the task to open it, and then tap Delete.

Calendar Settings
These settings allow you to modify settings associated with using the Calendar.

1. From a Home screen, tap Apps > Calendar.
2. Tap More > Settings.
3. Tap an option and follow the prompts.
Camera and Video

Take pictures and record videos with the Camera app.

- **Gallery**: Open the Gallery to view photos and videos.
- **Record video**: Record a video.
- **Take a picture**: Take a picture.
- **Switch cameras**: Switch between the rear and front cameras.
- **Shooting mode**: Change the shooting mode.
- **Camera settings**: Change the camera settings.
- **Quick settings**: Select camera settings or options.
Take Pictures

Take pictures with your device’s front or rear camera.

**Note:** Prior to using the camera, remove the plastic protective covering from the camera lens.

1. From a Home screen, tap 📱 **Apps > Camera**.

2. Using the display screen as a viewfinder, compose your shot by aiming the camera at the subject. While composing your picture, use the available options or these gestures:
   - Touch the screen with two fingers and pinch or spread them on the screen to zoom in or out.
   - Tap the screen to focus on the area you touched. When you tap the screen, a brightness scale is displayed. Slide the light bulb up or down to adjust the brightness.

3. Before taking the photo, you can tap the icons to access various camera options and settings.

4. Tap 📷 **Take a picture** to take the picture.

**Note:** You can also press the Volume key up or down to take a picture. This is the default action of the Volume key while the camera is active. You can also set the Volume key to act as the video record key or as a zoom key.

Shooting Mode

Several visual effects are available. Some modes are not available when taking self-portraits.

1. From a Home screen, tap 📱 **Apps > Camera**.

2. Tap **Mode** for the following options. Each section indicates which camera (front or rear) the modes are available for.

**Both cameras**

- **Night:** Take brighter, clearer pictures in low light without flash.
- **Sound & shot:** Enrich pictures by adding background sounds for a few seconds.

**Rear camera**

- **Auto:** Allow the camera to evaluate the surroundings and determine the ideal mode for the picture.
- **Beauty face:** Take a picture with lightened faces for gentler images.
- **Continuous shot:** Use this to take photos continuously, four photos per second.
- **Panorama:** Create a linear image by taking pictures in either a horizontal or vertical direction.
- **Pro:** Manually adjust the ISO sensitivity, exposure value, white balance, and color tone while taking pictures.
- **Sports:** Take fast action photos.

**Front camera**

- **Selfie:** Take selfie shots and apply various effects, such as an airbrushed effect.

**Note:** Tap **Info** to read information about each available camera mode.
Camera Settings

You can adjust your camera’s settings using the icons on the main camera screen and the full camera settings menu.

1. From a Home screen, tap Apps > Camera.

2. Quick settings are listed across one side of the camera view finder. Available options vary depending on the camera or recording mode used. Default settings include:
   - **Effect**: Add special graphical effects.
   - **Timer**: Take time-delayed pictures or videos.
   - **Flash**: Activate or deactivate the flash.
   - **Beauty**: Take a picture with lightened faces for gentler images (front camera only).
   - **Picture size**: Select a resolution. Use higher resolution for higher quality. Higher resolution pictures take up more memory.

3. Tap Settings to configure settings for the Camera. Available options vary depending on the camera or recording mode used.

**Both cameras**

- **Video size**: Select a resolution. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Full screen view (16:9)**: View your photos and video using the full screen.
- **Grid lines**: Display viewfinder grid lines to help composition when selecting subjects.
- **Location tags**: Attach a GPS location tag to the picture.
- **Review pictures**: Set to show pictures after taking them.
- **Storage location**: Select the memory location for storage. This option only appears if an optional SD card is installed.
- **Volume keys function**: Use the Volume key as the camera key, the record key, or as a zoom key.
- **Reset settings**: Reset the camera settings.

**Front camera**

- **Save pictures as previewed**: Save the self-portrait or self-recording as a reversed (or ‘mirrored’) image (front camera only).
- **Shooting methods** (front):
  - **Tap to take pics**: Tap the screen to take selfies easily.
  - **Gesture control**: Detect palm and automatically take a picture two seconds later.
The Clock app offers features for keeping track of time and setting alarms.

1. From a Home screen, tap Apps > Samsung folder > Clock.

2. Tap a tab to use a feature:
   - **Alarm**: Set an alarm to ring at a specific time.
   - **World clock**: View the time of day or night in other parts of the world. World clock displays time in hundreds of different cities, within all 24 time zones around the world.
   - **Stopwatch**: Measure intervals of time.
   - **Timer**: Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

3. Tap Save to save the alarm.

**Alarm**
Set an alarm to ring at a specific time.

**Create an Alarm**
Create an alarm event. You can set one-time or recurring alarms, and choose options for how to be notified.

1. From a Home screen, tap Apps > Samsung folder > Clock.

2. Tap the following items to configure an alarm:
   - **Date**: Choose the day for this alarm.
   - **Time**: Set a time for the alarm.
   - **Repeat weekly**: Choose when to repeat the alarm, if so desired.

   - **Options**: Tap to view and set the following options:
     - **Volume**: Drag the slider to set the volume of the alarm.
     - **Alarm tone**: Choose a sound to play for the alarm.
     - **Snooze**: Allow snoozing. Set interval and repeat values for the alarm while snoozing.
     - **Increasing volume**: Start playing the alarm tone at a low volume at an interval before the alarm time, and slowly increase in volume. Available when you have chosen an alarm type that includes sound.
     - **Alarm name**: Enter a name for the alarm.

3. Tap Save to save the alarm.

**Delete an Alarm**
You can delete an alarm that you created.

1. From a Home screen, tap Apps > Samsung folder > Clock.

2. Find the alarm in the alarm list (under the Alarm tab), and then tap Delete in the upper right corner of the alarm entry.
World Clock

The World clock lets you keep track of the current time in multiple cities around the globe.

To list a city on the main World clock screen:

1. From a Home screen, tap Apps > Samsung folder > Clock.
2. Tap World clock.
3. Tap a city to view it on the globe.
4. Tap Add city in the pop-up for the city.
5. Repeat to add more cities.

To remove a city from the main World clock screen:

1. From a Home screen, tap Apps > Samsung folder > Clock.
2. Tap World clock.
3. Find the city to remove, and then tap Delete in the upper right corner of the city entry.

Stopwatch

The Stopwatch lets you time events down to a hundredth of a second.

1. From a Home screen, tap Apps > Samsung folder > Clock.
2. Tap Stopwatch and use the following options:
   - Start: Begin timing.
   - Stop: Stop timing.
   - Lap: Keep track of lap times.
   - Resume: Continue timing after stopping the clock.
   - Reset: Reset the Stopwatch to zero.

Timer

The Timer provides a countdown timer for up to 99 hours, 59 minutes, and 59 seconds.

1. From a Home screen, tap Apps > Samsung folder > Clock.
2. Tap Timer.
3. Use the keypad and tap Hours, Minutes, and Seconds to set the length of the Timer. The following options are available:
   - Start: Begin the Timer.
   - Pause: Pause the Timer.
   - Resume: Resume the Timer.
   - Cancel: Stop the Timer.
   - Reset: Reset the Timer.
Contacts

Store and manage your contacts with the Contacts app, which can be synchronized with a variety of your existing personal accounts, including Google, Email, Facebook, and your Samsung account.

For more information on connecting with and managing your accounts through your device, see Accounts.

Manage Contacts

Access your list of contacts by using the Contacts app. To access your Contacts list:

► From a Home screen, tap Apps > Contacts.

Find a Contact

You can search for a contact or swipe the list to find one by name.

1. From a Home screen, tap Apps > Contacts.
2. Tap the Search field, and then enter characters to find contacts that match.
   - or -
   Tap a letter on the side of the list to jump directly to that letter in the alphabetical list. You can also slide your finger across the alphabetical list to select a letter with better precision.

Add a Contact

Use the following procedure to add a new contact.

1. From a Home screen, tap Apps > Contacts.
2. Tap Create contact, and then tap contact fields to enter information.
   • Choose a storage account for the contact. You can store the contact on the device or sync it with an account.
   • Tap Contact photo to assign a picture to the new contact.
   • Enter a name, phone number, email address, and assign the contact to a group.
     - Tap Add to enter additional entries.
     - Tap Remove to remove an entry.
     - Tap More for additional fields.
     - Tap the label to the right of an entry to choose a label for the field (for example, Home or Work).
   • Tap Add another field to add more information.
3. Tap Save.

Edit a Contact

When editing a contact, you can tap a field and change or delete the information, or you can add more fields to the contact’s list of information.

1. From a Home screen, tap Apps > Contacts.
2. Tap the contact to display it, and then tap Edit.
3. Tap any of the fields to add, change, or delete information.
4. Tap Save.
Share a Contact
When you share a contact, the contact’s information is sent as a vCard file (.vcf). You can share a vCard using Bluetooth® or Wi-Fi Direct, attach it to a message, or save it to a storage location.

1. From a Home screen, tap Apps > Contacts.
2. Tap a contact to display it, and then tap More > Share contact.
3. Choose a sharing method and follow the prompts.

Delete Contacts
You can delete a single contact or choose multiple contacts to delete.

1. From a Home screen, tap Apps > Contacts.
2. Touch and hold a contact to select it. You can also tap other contacts or tap the All checkbox at the top of the screen to select all contacts.
3. Tap Delete, and then confirm when prompted.

Link Contacts
When you have contacts from various sources, such as Gmail or Facebook, you may have multiple similar entries for a single contact. Contacts lets you link multiple entries into a single contact.

1. From a Home screen, tap Apps > Contacts.
2. Tap the contact to display it.
3. Tap Linked contact.
4. Tap Link another contact, and then tap contacts to choose them.
5. Tap Link.

Unlink Contacts
You can unlink a contact that you previously linked.

1. From a Home screen, tap Apps > Contacts.
2. Tap the contact to display it.
3. Tap Linked contact.
4. Tap — Separate beside contacts to unlink them from the main contact.

Favorites
When you mark contacts as favorites, they are easily accessible from other apps. Favorites display together on the Favorites tab in Contacts.

Mark Contacts as Favorites
You can mark contacts as Favorites.

1. From a Home screen, tap Apps > Contacts.
2. Tap a contact to display it, and then tap ★ Add to Favorites (the star brightens ★).

Remove Contacts from Favorites
You can remove contacts from Favorites.

1. From a Home screen, tap Apps > Contacts.
2. Tap a contact to display it, and then tap ★ Remove from Favorites (the star dims ★).
Groups
You can use groups to organize your contacts. Your device comes with preloaded groups, and you can create your own. You might create a group for your family, for coworkers, or a team. Groups make it easy to find contacts, and you can send messages to the members of a group.

Create a Group
You can create your own contact groups.

1. From a Home screen, tap Apps > Contacts.
2. Tap Groups, and then tap Create.
3. Tap fields to enter information about the group:
   - Group name: Enter a name for the new group.
   - Add member: Select contacts to add to the new group, and then tap Done.
4. Tap Save.

Rename a Group
You can rename a contact group.

1. From a Home screen, tap Apps > Contacts.
2. Tap Groups, and then tap a group.
3. Tap More > Edit and enter a new name.
4. Tap Save.

Add Contacts to a Group
You can add contacts to a group.

1. From a Home screen, tap Apps > Contacts.
2. Tap Groups, and then tap a group.
3. Tap Edit > Add member, and then tap the contacts you want to add. When finished, tap Done.
4. Tap Save.

Send an Email to a Group
You can send an email to members of a group.

1. From a Home screen, tap Apps > Contacts.
2. Tap Groups, and then tap a group.
3. Tap More > Send email.
4. Tap contacts to select them, or tap the All checkbox at the top of the screen to select all, and then tap Done.
   - Only group members that have an email address in their records are displayed.
5. Choose an email account and follow the prompts.
6. Type your message and tap Send.

Delete a Group
Preset groups cannot be deleted.

1. From a Home screen, tap Apps > Contacts.
2. Tap Groups, and then tap the group to delete.
3. Tap Delete.
4. Tap Group only to only delete the group or tap Group and members to delete the group and the contacts in the groups.

Contacts Settings
These settings allow you to modify settings associated with using the Contacts app.

1. From a Home screen, tap Apps > Contacts.
2. Tap More > Settings.
3. Tap an option and follow the prompts.
Email

Use the Email app to view and manage all your email accounts in one app.

To access Email:
► From a Home screen, tap Apps > Samsung folder > Email.

Configure Email Accounts
You can configure Email for most accounts in just a few steps.

1. From a Home screen, tap Apps > Samsung folder > Email.
2. Follow the prompts to set up your email account.

To add an Email account:
1. From a Home screen, tap Apps > Samsung folder > Email.
2. Tap More > Settings > Add account.
3. Enter your email address and password.

The device communicates with the appropriate server to set up your account and synchronize your email. When complete, your email is displayed in the Inbox for the account.

Note: To configure email account settings at any time, tap More > Settings. Tap the email account to display its settings.

View Multiple Email Accounts
You can view email you receive for multiple accounts on the Combined view screen or you can view email accounts individually.

1. From a Home screen, tap Apps > Samsung folder > Email.
2. Tap Menu at the top left of the screen to view the current account mailbox.
3. Tap the account name to view:
   • Combined inbox: View all email in a combined inbox.
   • [Account Name]: View email for only one email account.

Manage Your Inbox
There are several tools available from the Inbox screen.

► From a Home screen, tap Apps > Samsung folder > Email.
   • Tap a message to read and reply or forward it.
   • Tap Search to search for key words in your email inbox.
   • Tap More for additional message options like sorting, deleting, sharing and more.
Create and Send an Email

This section describes how to create and send an email using the Email app.

1. From a Home screen, tap Apps > Samsung folder > Email > Compose.

2. Tap the To field to manually add an email address or tap Add Recipient to select a recipient from Contacts or Groups.
   - If manually entering recipients, enter additional recipients by separating each entry with a semicolon (;). More recipients can be added at any time before the message is sent.
   - If adding a recipient from your Contacts, tap the contact to place a checkmark, and then tap Done. The contact is displayed in the recipients field.
   - Tap More to add Cc and Bcc fields.

3. Tap the Subject and Message fields to enter text.
   - Tap Attach to add Files, Images, Audio, and more to your email.
   - Tap More for additional email options.

4. Review your message and tap Send.

Remove Email Accounts

To remove an email account:

1. From a Home screen, tap Apps > Samsung folder > Email.

2. Tap More > Settings.

3. Tap the account you want to remove.

4. Tap Remove. Confirm when prompted.

Email Settings

These settings allow you to modify settings associated with using the Email app.

1. From a Home screen, tap Apps > Samsung folder > Email.

2. Tap More > Settings.

3. Under General, tap an option, and then follow the prompts.

4. Tap an account to configure specific settings for only that account.
Galaxy Apps

Samsung Galaxy Apps provides a quick and easy way to find and download free premium apps that are compatible with your Galaxy device.

To access the Samsung Galaxy Apps website:

► From a Home screen, tap Apps > Samsung folder > 🚀 Galaxy Apps.

Galaxy Essentials

Galaxy Essentials is a collection of specially chosen apps available through Samsung Apps.

From Galaxy Essentials, you can access and download a collection of premium content, free of charge.

To access Galaxy Essentials:

1. Swipe across the Home screens and locate and tap the Galaxy Essentials widget.

2. Follow the instructions to download Galaxy Essentials apps.

Note: A Samsung account is required to purchase and download apps.
Gallery

View, edit, and manage pictures and videos.

**Note:** Some functions described in this section are only available if there are images or videos in the Gallery.

### View Images and Videos

Launching Gallery displays available folders. When another app, such as Email, saves an image, a Download folder is automatically created to contain the image. Likewise, capturing a screenshot automatically creates a Screenshots folder.

1. From a Home screen, tap **Apps > Gallery**.
2. Tap **Menu** in the upper left corner, and then tap an option to choose the way items are displayed.
   - In Albums view, you can create albums to organize your images. On the drop-down menu, tap **Albums**, and then tap **More > Create album**.
3. Depending on the view mode selected, either tap an image or video to view it, or first tap an album or folder and then tap an image or video.
   - When viewing an image or video, you can swipe left or right to view the next or previous image or video.

### Zoom In or Out

Use one of the following methods to zoom in or out on an image:

- Double-tap anywhere on the screen to zoom in or zoom out.
- Spread two fingers apart on any place to zoom in. Pinch the screen to zoom out.

### Play Videos

You can play videos stored on your device.

1. From a Home screen, tap **Apps > Gallery**.
2. Tap a folder or category to open it.
3. Tap a video to view it.
4. Tap **Play** to play the video.

### Edit Images

You can edit images stored on your device.

- While viewing an image, tap the screen once to see the following options:
  - **Favorite**: Tap **Favorite** to tag this image as a favorite.
  - **More**:
    - **Details**: View and edit information about the image, including the date created, location, and properties.
    - **Slideshow**: Start a slideshow with the images and videos in the current folder.
    - **Set as contact picture**: Set the image as the photo for a contact.
    - **Set as wallpaper**: Set the image as a wallpaper for the Home and Lock screens.
  - **Share**: Send the image to your contacts by email, messaging, social media, cloud accounts, or other methods.
  - **Edit**: View and use the editing tools.
    - **Adjustment**: Straighten and freely rotate your picture.
    - **Tone**: Adjust the brightness, contrast, saturation, temperature, and hue of the picture.
    - **Effects**: Add color effects to your picture. Adjustment
- **Drawing**: Draw or write on your picture.
- **Add image**: Add an image on top of your original picture.
- **Delete**: Delete the image from your device.

**Share Images and Videos**

You can share images and videos from your Gallery.

1. From a Home screen, tap **Apps > Gallery**.
2. Tap a folder to open it.
3. In a folder, tap **More > Share**, select images and videos, and then tap **Share** to send them to others or share them with social network services.
   
   - or -
   
   While viewing a single image or video, tap **Share** to send it to others or share it with social network services.

**Delete Images and Videos**

You can delete images stored on your device.

1. From a Home screen, tap **Apps > Gallery**.
2. Tap a folder to open it.
3. Tap **More > Edit**.
4. Tap images and videos to select them or tap the **All** checkbox at the top of the screen to select all images and videos.

5. Tap **Delete**, and confirm when prompted.
   
   - or -
   
   When viewing a single image or video, tap **Delete**.
Access the Internet with a fully featured web browser.

Access the Internet
► From a Home screen, tap Apps > Samsung folder > Internet.

Command Keys
The following command keys are available:
• Back or Back: Return to the previous page.
• Forward: Go forward to a recent page.
• Home: Display your Internet Home screen.
• Bookmarks: Manage bookmarked pages, saved pages, and history.
• Refresh: Refresh or reload the current Web page.

View a Web Site
To view a web site:
► Tap the address field, enter the web address, and then tap Go on the keyboard.

To zoom in or out:
► Tap the screen twice or pinch the screen to zoom out. Stretch the screen to zoom in.

Browser Tabs
Use tabs to view multiple web pages at the same time.

To open a new tab:
► Tap New tab.

To close a window:
► Tap Close tab on the tab.

Bookmarks
The Bookmarks page stores Bookmarks, Saved pages, and History.

Save and Open Bookmarks
Bookmarking a web page saves the web address so that you can access it quickly.

To bookmark the current web page:
1. Tap Bookmarks > Add.
2. Type a title for the bookmark and tap Save.

To open a bookmarked web page:
1. Tap Bookmarks > Bookmarks.
2. Tap a bookmark entry.
Saved Pages

Saving a web page stores the web page content on your device so that you can access it offline.

To save the current web page:
► Tap More > Save web page.

To view saved web pages:
1. Tap Bookmarks > Saved pages.
2. Tap a saved page to open it in the browser.

View History

To view a list of recently visited web pages:
► Tap Bookmarks > History.

Share Pages

To share a web page address with others:
► Tap More > Share, and follow the prompts.

Secret Mode

Pages viewed in secret mode do not appear within your browser history or search history, and leave no traces (such as cookies) on your device. Secret tabs are a darker shade than the normal tab windows.

Note: Any downloaded files will remain on your device after you close a secret tab.

To open a new secret tab:
► Tap More > Turn on Secret mode.

Internet Settings

These settings allow you to modify settings associated with using the Internet app.

1. From a Home screen, tap Apps > Samsung folder > Internet.
2. Tap More > Settings.
3. Tap an option and follow the prompts.
Use Memo to write and save notes on your device.

Compose a Memo
You can create Memos using the Memo app.

1. From a Home screen, tap Apps > Memo.
2. Tap Create memo and type a memo.
   - Category: Add or change the category.
   - Tasks: Add tasks.
   - Image: Insert an image into the memo.
   - Drawing: Create a drawing and add it to the memo.
   - Voice: Use your voice to insert text into the memo.
3. Tap Save when finished.

Edit Memos
You can make edits to Memos you create.

1. From a Home screen, tap Apps > Memo.
2. Tap a memo to view it.
3. Tap the content and make edits. When you are finished, tap Save.

Browse Memos
You can browse Memos you create.

- From a Home screen, tap Apps > Memo.
  - Browse memo entries by swiping up or down.
  - To search for a memo, tap Search.

Memo Options
You can edit, share, or manage Memos.

1. From a Home screen, tap Apps > Memo.
   - While browsing memos, tap More for the following options:
     - Edit: Select notes to delete or move.
     - Manage categories: Create and manage categories to organize your memos.
   - Tap a memo, and then tap one of the following options:
     - Share: Send the memo to others using a variety of sharing methods or social media.
     - Delete: Delete the memo.
     - More > Pin to Home screen: Place a shortcut to the memo on a Home screen.
Access files stored on your device, including images, videos, music, and sound clips.

To view files in My Files:

1. From a Home screen, tap Apps > My Files.
2. Tap a category to view the relevant files or folders.
3. Tap a file or folder to open it.

File Groups

Files stored in the device are organized into the following groups:

- **Recent files**: View recently saved files.
- **Device storage**: View folders and files located on the device.
- **SD card**: View folders and files located on the optional memory card (not included).
  - This option appears if an optional memory card is installed.
- **Download history**: View all apps and files that have been downloaded to the device.
- **Documents**: View document files.
- **Images**: View image files.
- **Audio**: View audio files.
- **Videos**: View video files.

My Files Options

Use My File options to search, edit, clear file history, and more.

- From a Home screen, tap Apps > My Files. The following options are available:
  - **Search**: Search for a file or folder.
  - **More**: Tap for the following options:
    - **Clear recent file history**: Clear the Recent files category.
    - **Show/Conceal hidden files**: Show or conceal hidden files.
Configure your device's connections and settings, add accounts, and customize Home screens, apps, and features.
How to Use Settings

Access Settings
There are a couple of ways to access your device settings.

► From a Home screen, tap Apps > Settings.

– or –

Drag down from the Status bar to display the Notification panel, and then tap Settings.

Search for Settings
If you are not sure exactly where to find a certain setting, you can use the Search feature.

1. From a Home screen, tap Apps > Settings.

2. Tap Search.
   • Enter a word or words in the Search field. As you type, settings that match display on the screen.
   • Tap an entry to go to that setting.
Wi-Fi is a term used for certain types of Wireless Local Area Networks (WLAN). Wi-Fi communication requires access to a wireless Access Point (AP).

**Wi-Fi Networks**

To scan for a Wi-Fi network and connect to it:

1. From a Home screen, tap Apps > Settings.
2. Tap Wi-Fi, and then tap On/Off to turn Wi-Fi on.
   - When Wi-Fi is turned on, your device automatically scans for available networks and displays them.
3. Tap the network you want to connect to.
   - When you select an open network, you are automatically connected to the network. Otherwise, enter a password to connect.

**Manually Connect to a Wi-Fi Network**

You can connect your device to a Wi-Fi network manually.

1. From a Home screen, tap Apps > Settings.
2. Tap Wi-Fi, and then tap On/Off to turn Wi-Fi on.
3. Tap More > Add network.
4. Enter information about the Wi-Fi network:
   - **Network name**: Enter the name of the Wi-Fi network.
   - **Security**: Select a security option and enter your password.
   - **Show advanced options**: Add advanced options such as IP settings and Proxy settings.
5. Tap Connect to store the new information and connect to your target wireless AP.

**Turn Wi-Fi On or Off**

Turning Wi-Fi on makes your device able to discover and connect to compatible in-range wireless APs.

1. From a Home screen, tap Apps > Settings.
2. Tap Wi-Fi, and then tap On/Off to turn Wi-Fi on or off.

**Wi-Fi Status Indicators**

Status bar icons indicate your current Wi-Fi connection status:

- When Wi-Fi is connected, active, and communicating with a wireless Access Point (AP), Wi-Fi active is displayed in the Status bar.
- If a Wi-Fi access point is available, but your device is not connected to it, Wi-Fi available is displayed. It may also display if there is a communication issue with the target wireless Access Point (AP).
Wi-Fi Options

The Wi-Fi settings menu allows you to set up many of your device’s advanced Wi-Fi services.

1. From a Home screen, tap 📲 Apps > 📜 Settings.
2. Tap Wi-Fi, and then tap On/Off to turn Wi-Fi on.
3. Tap More for options:
   - Add network: Manually add a Wi-Fi network.
   - WPS push button: Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.
   - WPS PIN entry: View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).
   - Advanced:
     - Network notification: Receive notifications when open networks in range are detected.
     - Keep Wi-Fi on during sleep: Specify when to disconnect from Wi-Fi.
     - Install network certificates: Install authentication certificates.
     - MAC address: View your device’s MAC address, which is required when connecting to some secured networks (not configurable).
     - IP address: View your device’s IP address (not configurable).

Wi-Fi Direct

Wi-Fi Direct allows direct device-to-device connections through Wi-Fi, without having to connect to a Wi-Fi network.

1. From a Home screen, tap 📲 Apps > 📜 Settings.
2. Tap Wi-Fi, and then tap On/Off to turn Wi-Fi on.
   - Wi-Fi must be on to configure settings.
3. Tap Wi-Fi Direct. Your device automatically scans for nearby Wi-Fi Direct devices.
4. Select a device, and then follow the prompts to complete the connection.

Wi-Fi Direct Status Indicator

Status bar icons indicate your current Wi-Fi Direct connection status:

- When your device is connected to another device using Wi-Fi Direct, 🧵 Wi-Fi Direct is displayed in the Status bar.
Bluetooth

Bluetooth is a short-range communications technology that connects your device wirelessly to a number of Bluetooth devices, such as headsets and hands-free car Bluetooth systems, and Bluetooth-enabled computers, printers, and wireless devices.

Note: The Bluetooth communication range is approximately 30 feet.

Turn Bluetooth On or Off

Use the settings menu to turn your device’s Bluetooth on or off.

1. From a Home screen, tap Apps > Settings.
2. Tap Bluetooth, and then tap On/Off to turn Bluetooth on or off.

Bluetooth Status Indicator

Status bar icons indicate your current Bluetooth connection status:

• When Bluetooth is turned on, Bluetooth is displayed in the Status bar.

Scan for Bluetooth Devices

When you want to pair with another Bluetooth device, you can scan for nearby devices that are visible.

1. From a Home screen, tap Apps > Settings.
2. Tap Bluetooth, and then tap On/Off to turn on Bluetooth.
   • When Bluetooth is first turned on, it scans for nearby Bluetooth devices and displays them.
   • To manually perform a new scan, tap Scan.

Pair Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device.

Pairing between two Bluetooth devices is a one-time process. Once a pairing is created, the devices continue to recognize their partnership and exchange information without having to re-enter a passcode.

1. From a Home screen, tap Apps > Settings.
2. Tap Bluetooth, and then tap On/Off to turn on Bluetooth.
   • Make sure that the target device is discoverable so that your device can find it. Refer to the instructions that came with the device to find out how to set it to discoverable mode.
3. Tap the name of the target device when you see it displayed in the Bluetooth devices section.
   • Your device automatically tries to pair with the target device. If automatic pairing fails, enter the passcode supplied with the target device.
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.

Rename a Paired Device

Once you have paired your device to another device, you can rename the paired device to make it easier to recognize.

1. From a Home screen, tap Apps > Settings.
2. Tap Bluetooth, and then tap On/Off to turn on Bluetooth.
3. Tap Settings next to the previously paired device, and then tap Rename.
4. Enter a new name, and tap Rename.

Delete a Paired Device (Unpair)

When you unpair from a Bluetooth device, the two devices no longer recognize each other. To connect again, you have to pair the devices.

1. From a Home screen, tap Apps > Settings.
2. Tap Bluetooth, and then tap On/Off to turn on Bluetooth.
3. Tap Settings next to the paired device, and then tap Unpair to delete the paired device.
Airplane Mode

Airplane mode disconnects your device from all networks and turns off connectivity features, such as Wi-Fi and Bluetooth.

While in Airplane mode, you can use other features such as playing music, watching videos, and other offline applications.

Enable Airplane Mode

To enable or disable Airplane mode:

1. From a Home screen, tap Apps > Settings.
2. Tap Airplane mode, and then tap On/Off to enable or disable the option.

Note: You can also enable Airplane mode from the Notification panel. Drag the Notifications panel down, and then tap Airplane mode.
Data Usage

Monitor how your data is being used, and set limits and restrictions to conserve it.

**Note:** Your service provider may account for data usage differently.

1. From a Home screen, tap Apps > Settings.

2. Tap Data usage for options:
   - **Data usage cycle:** Tap the drop-down menu, and then choose a time period for data usage. Data usage for the period is displayed on the graph, along with usage by application at the bottom of the screen.
   - **By application:** View data usage by application.

3. Tap More for the following options:
   - **Restrict networks:** 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 Connection Settings

The More connection settings allow you to configure a variety of connectivity settings for your device.

Nearby Device Scanning
Scan for nearby devices to connect to and set them up easily. You receive a notification when there are available devices to connect to.

Note: This function uses Bluetooth Low Energy scanning even if Bluetooth is turned off on your device.

To enable nearby device scanning:
1. From a Home screen, tap Apps > Settings.
2. Tap More connection settings > Nearby device scanning.
3. Tap On/Off to enable the feature.

Printing
Print images and documents to Samsung printers and other compatible printers (not included).

1. From a Home screen, tap Apps > Settings.
2. Tap More connection settings > Printing.
3. Tap a print service and follow the prompts.

Note: Tap Download plug-in to install additional print service drivers.

Virtual Private Networks (VPN)
Set up and manage your Virtual Private Networks (VPNs).

Note: You must set a secured screen lock before setting up a VPN. For more information, see Lock Screen and Security.

Add a VPN
Use the VPN settings menu to add a VPN connection to your device.

1. From a Home screen, tap Apps > Settings.
2. Tap More connection settings > VPN.
3. Tap More > Add VPN and follow the prompts to set up your VPN.

Connect to a VPN
1. From a Home screen, tap Apps > Settings.
2. Tap More connection settings > VPN.
3. Tap the VPN, enter your log in information, and tap Connect.

Edit or Delete a VPN
Once you have set up a VPN connection, you can edit or delete the connection.

1. From a Home screen, tap Apps > Settings.
2. Tap More connection settings > VPN.
3. Touch and hold the VPN that you want to edit or delete.
4. Tap Edit network or Delete network.
Ethernet
Manage your Ethernet connections.
1. From a Home screen, tap Apps > Settings.
2. Tap More connection settings.
3. Tap Ethernet and follow the prompts to connect to an Ethernet network.

Screen Share
Share your device's screen with supported devices using either Smart View or Screen Mirroring.
1. From a Home screen, tap Apps > Settings.
2. Tap More connection settings.
3. Tap Screen share
4. Tap On/Off to enable the feature, and then follow the prompts to share your screen.
Smart Manager

Smart manager provides an overview of the status of your device’s battery, storage, RAM, and device security. You can also automatically optimize your device’s system resources.

Access Smart Manager

To access Smart Manager:
1. From a Home screen, tap Apps > Settings.
2. Tap Smart Manager.

Quick Optimization

The quick optimization feature improves device performance through the following actions:

- Identifying apps that use excessive battery power and clearing unneeded items from memory.
- Deleting unnecessary files and closing apps running in the background.
- Scanning for malware.

To use the quick optimization feature:
1. From a Home screen, tap Apps > Settings.
2. Tap Smart Manager.
3. Tap Clean all.

Use Smart Manager

To use the Smart Manager options:
1. From a Home screen, tap Apps > Settings.
2. Tap Smart Manager.
3. Tap each of the following for options:
   - **Battery**: Check the battery power and time remaining to use the device. For devices with low battery levels, conserve battery power by activating power saving features and closing apps that are consuming an excessive amount of battery power.
     - The usage time remaining shows the time remaining before the battery power runs out. Usage time remaining may vary depending on your device settings and operating conditions.
   - **Storage**: Check the status of used and available memory capacity. You can delete unused or unneeded files, and uninstall apps that you no longer use.
   - **RAM**: Check the amount of available RAM. You can close background apps and reduce the amount of RAM you are using to speed up your device.
   - **Device security**: Check the device’s security status. This feature scans your device for malware.
     - Tap On/Off to activate KNOX active protection on your device.

Settings 56  Smart Manager
Applications Settings

Manage settings for applications on your device.

Application Manager
You can download and install new applications on your device. Use Application manager settings to manage your downloaded and preloaded applications.

Warning: Because this device can be configured with system software not provided by or supported by Google or any other company, you operate this software at your own risk.

Application Manager Options
If you have disabled apps, you can choose whether to display them.

1. From a Home screen, tap Apps > Settings.
2. Tap Applications > Application manager.
3. If you have disabled applications:
   • Tap All apps at the top left of the screen.
   • Tap All apps, Turned on, or Disabled.
4. Tap More for the following options:
   • Show/Hide system apps: Show or hide system (background) apps.
   • Apps that can appear on top: Choose apps that can run on top of other running apps.
   • Change system settings: Select which apps can change system endings.
   • Reset app preferences: Reset options that have been changed. Existing app data is not deleted.

Note: Options vary by application.

Manage Apps
You can view and update information about an application, including memory usage, default settings, and permissions.

1. From a Home screen, tap Apps > Settings.
2. Tap Applications > Application manager.
3. Tap an application to view and update information about the application. The following options are displayed:
   • Uninstall/Disable: Uninstall or disable the application. Preloaded apps can only be disabled.
   • Force stop: Stop an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.
   • Storage: Manage the app’s storage usage.
   • Data usage: View mobile data usage.
   • Permissions: View permissions granted to the app for access to your device’s information.
   • Notifications: Configure notifications from the app.
   • Set as default: Set the app as a default for a certain category of apps.
   • Battery: View battery usage since the last full charge.
   • Memory: View memory usage.
Default Applications
If you have multiple applications of the same type, such as email apps, you can select one app to be the default.

You can also use a simpler Home screen that provides an easier user experience for first-time users.

1. From a Home screen, tap Apps > Settings.
2. Tap Applications > Default applications.
3. Tap the following to choose default apps:
   - Browser app: Choose a default browser app.
   - Messaging app: Choose a default messaging (text and multimedia) app.
   - Set as default: Choose default apps for other functions.
   - Home screen: Choose a Home screen type.
   - Device assistance app: Choose an app that provides assistance for using your device.

Application Settings
Shortcuts to the settings for various apps are available in one convenient location.

1. From a Home screen, tap Apps > Settings.
2. Tap Applications.
3. Tap one of the following to display the settings for the selected app:
   - Calendar
   - Camera
   - Contacts
   - Email
   - Internet
   - Weather
Configure the Sounds and notifications used to indicate notifications, screen touches, and other interactions.

Sound Mode
You can switch between sound modes, while preserving the individual sound settings you have made.

1. From a Home screen, tap Apps > Settings.
2. Tap Sound > Sound mode, and then choose a mode:
   - Sound: Use the sounds and volume levels you have chosen in Sound settings for notifications and alerts.
   - Mute: Mute all sounds and notifications.

Volume
Set the system volume level and default volume for call notifications and other audio.

Tip: You can also set the volume from a Home screen by pressing the Volume key.

1. From a Home screen, tap Apps > Settings.
2. Tap Sounds and notifications > Volume.
3. Drag the sliders to set the default volume for:
   - Notifications
   - Media
   - System

Notification Sounds
Choose default notification sounds and alerts for new messages, calendar events, and new email.

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

1. From a Home screen, tap Apps > Settings.
2. Tap Sounds and notifications > Sounds > Default notification sound.
3. Tap a sound to hear a preview.
4. Tap OK to select it.

Notification Sounds for Samsung Applications
Choose notification alerts for new messages, calendar events, and email.

1. From a Home screen, tap Apps > Settings.
2. Tap Sound > Notification sounds, and tap to configure each option:
   - Calendar notifications: Configure event notifications.
   - Email notifications: Configure email account notifications.
Do Not Disturb

This setting allows you to block all notifications and alerts. The options below determine what notifications can make sounds, and during what time periods you want to enter this mode.

To activate Do not disturb mode:
1. From a Home screen, tap Apps > Settings.
2. Tap Sounds and notifications > Do not disturb.
3. Tap Turn on now to enable this option.

Allow Exceptions

This option lets you customize which notifications are allowed while your device is in Do not disturb mode.

1. From a Home screen, tap Apps > Settings.
2. Tap Sounds and notifications > Do not disturb.
3. Tap Allow exceptions, and tap On/Off to enable.
4. Tap one of the following options:
   - Alarms
   - Messages
   - Calls and/or messages from
   - Events and reminders
   - App notifications

Scheduling

This option allows you to turn Do not disturb mode on or off automatically at scheduled times.

Note: Scheduling is not available if Do not disturb mode has been turned on manually.

1. From a Home screen, tap Apps > Settings.
2. Tap Sounds and notifications > Do not disturb.
3. Tap Turn on as scheduled, and set the Days, Start time, and End time.

System Sounds

Set various other system sound options.

1. From a Home screen, tap Apps > Settings.
2. Tap Sounds and notifications > Sounds, and tap to enable each option:
   - Touch sounds: Play tones when you touch or tap the screen to make selections.
   - Screen lock sounds: Play a sound when you unlock the screen.
   - Charging sound: Play a sound when a charger is connected.

Key-Tap Feedback

Play tones when the dialing keypad or the keyboard is tapped.

1. From a Home screen, tap Apps > Settings.
2. Tap Sounds and vibrations, and tap to enable each option:
   - Keyboard sound: Play a sound when the Samsung keyboard is tapped.

Sound Quality and Effects

Choose from advanced sound options to customize your audio experience.

1. From a Home screen, tap Apps > Settings.
2. Tap Sounds and notifications > Sound quality and effects.
3. Use the knobs to adjust the sound quality of your audio.
   - Tap On/Off to enable additional audio effects.
4. Tap Adapt sound and follow the prompts to customize your sound settings.
Select which apps you want to receive alerts from. Alerts include notifications, sounds, and vibrations.

1. From a Home screen, tap Apps > Settings.
2. Tap Notifications.
3. Tap On/Off next to an app to enable or disable notifications.
   - Tap Advanced to configure more notification options for individual apps.
Configure your display’s brightness, screen timeout delay, and other display settings.

Brightness
Adjust the screen brightness to suit your surroundings or personal preference. You may also want to adjust screen brightness to conserve battery power.

1. From a Home screen, tap Apps > Settings.
2. Tap Display.
3. Customize options under Brightness:
   - Drag the Brightness slider to set a custom brightness level.
   - Tap Auto to allow the device to adjust brightness automatically.

Note: You can also control Brightness from the Notification panel.

Icon Backgrounds
You can show icons with a shaded background to make them stand out on the Home screen and Apps list screen.

1. From a Home screen, tap Apps > Settings > Display.
2. Tap Display > Icon backgrounds and choose one of the following options:
   - Icons only: Show icons only.
   - Icons with backgrounds: Show icons with shaded backgrounds.
3. Tap Done, and confirm when prompted.

Font Size and Style
You can set the font size and style for all text that is displayed on the screen.

1. From a Home screen, tap Apps > Settings > Display.
2. Tap Font to choose a font size and style.
   - Drag the slider to adjust the font size.
   - Tap a font style to select a font, or tap Download fonts to find new fonts from Galaxy Apps.
3. Tap OK to set the font size and style.

Screen Timeout
Turn the screen off after a set amount of time.

1. From a Home screen, tap Apps > Settings > Display.
2. Tap Display > Screen timeout and choose a time period.

Smart Stay
The screen does not time out as long as you are facing the front camera.

1. From a Home screen, tap Apps > Settings > Display.
2. Tap Display > Smart stay, and tap On/Off to turn the feature on.
Screensaver

The Screensaver setting controls what is displayed on the screen when the device is docked (dock not included) or while charging. You can choose to display colors or display photos.

1. From a Home screen, tap Apps > Settings.
2. Tap Display > Screensaver.
3. Tap On/Off to enable Screensaver.
4. Configure options:
   - **Colors**: Tap the selector to display a changing screen of colors.
   - **Photo Table**: Display pictures in a photo table. Tap Settings for options.
   - **Photo frame**: Display pictures in a photo frame. Tap Settings for options.
   - **Photos**: Display pictures from your Google Account. Tap Settings for options.
5. Tap Preview: See a demonstration of Screensaver.
Configure features on your device that make it easier to use.

You can control certain device actions by picking up the device and by touching the screen with the palm of your hand or turning over the device.

1. From a Home screen, tap Apps > Settings.

2. Tap Advanced features.

3. Tap On/Off to enable each of the following:

   - **Pop-up view gesture**: View an app in pop-up view by swiping downwards diagonally from either corner at the top of the screen while the app is open and shown on the screen.

   - **Smart capture**: Capture an image of any scrollable areas of the screen that are currently hidden, as well as the area that is visible, and crop and share the screenshot immediately.

   - **Palm swipe to capture**: Capture an image of the screen by swiping the edge of your hand across it, from side to side, keeping in contact with the screen.

   - **Easy mute**: Mute sounds and video by covering the screen or turning over the device.
**Users**

*Share this tablet with multiple people by creating User accounts.*

Users have their own space, which they can customize with their own apps, wallpaper, and so on. Users can also adjust tablet settings that affect everyone, such as Wi-Fi.

Restricted profiles allow only limited access to apps and content.

**Set Up User Profiles**

Set up user profiles and then select one when unlocking the device to use personalized settings.

1. From a Home screen, tap **Apps > Settings**.
2. Tap **Users**.
3. Tap **Add user or profile** and follow the instructions to set up a new user or profile.

**Delete a User or Profile**

1. From a Home screen, tap **Apps > Settings**.
2. Tap **Users**.
3. Tap **Remove** to delete the user or profile.

**Note:** Only the device owner can delete other users or profiles.

**Switch User Profiles**

To access the device with a user profile:

1. From a Lock screen, tap **Manage Users**, and then tap a profile.
2. Tap **Manage Users**, and then tap a profile.

**Change User Account Nicknames and Photo IDs**

The photo and name each user uses in their personal Contact entry (listed under ME at the top of their Contacts list) is used as their User ID and name.

To change their ID photo and name, each user can edit their personal Contact entry. For more information, see [Edit a Contact](#).

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Wallpaper

Change the look of the Home and Lock screens with wallpaper.

You can display a favorite picture or choose from preloaded wallpapers.

To change wallpaper:
1. From a Home screen, tap Apps > Settings.
2. Tap Wallpaper.
3. Tap Home screen, Lock screen, or Home and lock screen.
4. Tap an image to preview it, and then tap Set as wallpaper.
   • Tap From Gallery for additional wallpapers.
Home Screen Settings

Customize your Home screen by adding application shortcuts, widgets, folders, and using wallpapers.

To customize Home screen:
► From a Home screen, tap Apps > Settings > Home screen.
   - or -
   From a Home screen, either touch and hold an empty space on a screen or pinch the screen.

For more information, see Home Screen.
Lock Screen and Security

Secure your device and protect your data with Lock Screen and Security settings.

Set a Screen Lock
It is recommended that you secure your device using a Screen lock.

1. From a Home screen, tap Apps > Settings.
2. Tap Lock screen and security > Screen lock type to select a screen lock and level of security:
   - **Swipe**: Swipe the screen to unlock it. This option provides no security.
   - **Pattern**: Create a pattern that you draw on the screen to unlock your device. This option provides medium security.
   - **PIN**: Select a PIN to use for unlocking the screen. This option provides medium to high security.
   - **Password**: Create a password for unlocking the screen. This option provides high security.
   - **None**: Never use a Lock screen.
3. Choose a screen lock option:
   - **Info and app shortcuts**: Display a dual clock, owner information, or app shortcuts on the Lock screen.
   - **Notifications on lock screen**: Show notifications on the Lock screen.

Note: Options vary based on the screen lock type.

Find My Mobile
Protect your device from loss or theft allowing your device to be locked, tracked, and for your data to be deleted remotely.

► To access your device remotely, visit findmymobile.samsung.com.

Note: You must sign up for a Samsung account and enable Google location service to use Find My Mobile.

1. From a Home screen, tap Apps > Settings.
2. Tap Lock screen and security > Find My Mobile.
3. Enter your Samsung account password or, if you are not logged in to your Samsung account, tap Add account and follow the prompts. The following options are available:
   - **Remote controls**: Allows you to access your device remotely.
   - **Google location service**: Activate or deactivate Google location service. This service must be on in order to find your device.

Unknown Sources
Enable installation of non-Google Play applications.

1. From a Home screen, tap Apps > Settings.
2. Tap Lock screen and security > Unknown sources to enable this option.

Warning: Enabling installation of third-party applications can cause your device and personal data to be more vulnerable to attacks by unknown sources.
Secure Startup
Protect your device by using a screen lock when your device is on.

1. From a Home screen, tap Apps > Settings.
2. Tap Lock screen and security > Secure startup and follow the prompts.

Encrypt External SD Card
Require a numeric PIN or password to decrypt your SD card (not included) when you first access it after powering on your device.

1. From a Home screen, tap Apps > Settings.
2. Tap Lock screen and security.
3. Tap Encrypt SD card and follow the prompts to encrypt all data on your memory card.

Other Security Settings

View Passwords
Display password characters briefly as you type them.

1. From a Home screen, tap Apps > Settings.
2. Tap Lock screen and security > Other security settings > Make passwords visible to turn the feature on.

Security Update Service
Automatically receive security updates.

1. From a Home screen, tap Apps > Settings.
2. Tap Lock screen and security > Other security settings for the following Security update service options:
   - Security policy updates: Automatically or manually check for security policy updates.
     - Automatic updates can also be limited to only when your device is connected to a Wi-Fi network.
   - Send security reports: Use Wi-Fi to send security reports to Samsung for threat analysis.

Device Administration
Manage your device administrators and application installation privileges.

1. From a Home screen, tap Apps > Settings.
2. Tap Lock screen and security > Other security settings > Device administrators.
   - Tap Android Device Manager to allow it to lock or erase a lost device.
Credential Storage

Manage your security certificates. If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From a Home screen, tap Apps > Settings.

2. Tap Lock screen and security > Other security settings for the following Credential storage options:

   • **Storage type**: Select a storage location for credential contents.

   • **View security certificates**: Display certificates in your device’s ROM and other certificates you have installed.

   • **Install from device storage**: Install a new certificate from storage.

   • **Clear credentials**: Erase the credential contents from the device and reset the password.

Advanced Security Settings

Use these options to configure advanced security settings.

1. From a Home screen, tap Apps > Settings.

2. Tap Lock screen and security > Other security settings for the following advanced options:

   • **Trust agents**: Perform selected actions when trusted devices are connected.

     - To view Trust agents, set up a secured screen lock (Password, PIN, or Pattern). For more information, see Set a Screen Lock.

   • **Pin windows**: Pin an app on your device screen, preventing access to other features of your device.

   • **Usage data access**: View the applications that can access your device’s usage history.

   • **Notification access**: View the applications that can access notifications you receive on your device.

   • **Do not disturb permission**: View which apps have permission to change the Do not disturb settings.
Privacy

Choose from various modes designed to hide personal content from being accessed by anyone else using your device, or to aid you in an emergency.

Location
Some apps, such as Google Maps, may require one or more location services be turned on for full functionality.

Locating Method
Before using any features that require location assistance, you must enable your device’s location services.

1. From a Home screen, tap Apps > Settings.
2. Tap Privacy > Location.
3. Tap On/Off to turn on Location services.
4. Tap Locating method to select how your location is determined:
   - GPS and Wi-Fi: Use GPS and Wi-Fi.
   - Wi-Fi only: Use Wi-Fi only.
   - GPS only: Use GPS only.

Recent Location Requests
Apps that have requested your location are listed under Recent location requests.

1. From a Home screen, tap Apps > Settings.
2. Tap Privacy > Location.
3. Tap On/Off to turn on Location services.
4. Tap an entry under Recent location requests to view the app’s settings.

Location Services
Google Location History™ stores and uses your device’s most recent location data. Google apps, such as Google Maps, can use this data to improve your search results based on places that you have visited.

1. From a Home screen, tap Apps > Settings.
2. Tap Privacy > Location.
3. Tap On/Off to turn on Location services.
4. Tap Google Location History and sign in to your Google Account for more options.
App Permissions

Control which apps have permissions to use certain features of your device.

1. From a Home screen, tap Apps > Settings.
2. Tap Privacy > App permissions.
3. Tap the following features to see which apps have permission to access them:
   - Body Sensors
   - Calendar
   - Camera
   - Contacts
   - Location
   - Microphone
   - Phone
   - SMS
   - Storage
   - Additional permissions
4. Tap On/Off next to each app to enable or disable permissions for that feature.

Private Mode

Hide personal content from being accessed by anyone else using your device. Private mode is only available for certain applications.

Note: A secure screen lock (Pattern, PIN, or Password) is required to use Private mode.

1. From a Home screen, tap Apps > Settings.
2. Tap Privacy > Private mode.
3. Tap On/Off to enable Private mode.
4. Follow the prompts to learn about and set up Private mode.

Report Diagnostic Info

This feature sends diagnostic information about your device when you are having technical problems.

1. From a Home screen, tap Apps > Settings.
2. Tap Privacy > Report diagnostic info.
3. Read the consent information, and then tap Yes to enable this feature or tap No thanks.
Accessibility services are special features that make using the device easier for those with certain physical disabilities.

Note: You can download additional accessibility applications from the Google Play store.

1. From a Home screen, tap Apps > Settings.
2. Tap Accessibility for options:

**Vision**
- **Voice Assistant**: Give spoken feedback aloud to assist blind and low-vision users.
  - Voice Assistant can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.
- **Dark screen**: Keep the screen turned off at all times for privacy.
- **Rapid key input**: Release your finger to enter selection instead of double tapping.
- **Speak passwords**: Read the characters aloud as you enter your passwords.
- **Text-to-speech options**: Set your preferred TTS engine and options. For more information, see Text-to-Speech Options.
- **Accessibility shortcut**: Quickly enable accessibility features in two quick steps.
- **Font size**: Set the font size.
- **High contrast keyboard**: Adjust the size of the Samsung keyboard and change its colors to increase the contrast between the keys and the background.
- **Show button shapes**: Show buttons with shaded backgrounds to make them stand out.
- **Magnification gestures**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Color inversion**: Reverse the display of colors from white text on a black background to black text on a white background.
- **Color correction**: Adjust the color of the screen if you are color blind or have difficulty reading the display because of the screen color.

**Hearing**
- **Flash notification**: Set your camera light to blink whenever you receive a notification.
- **Turn off all sounds**: Turn off all notifications and audio for privacy.
- **Samsung subtitles (CC)**: Use Samsung subtitles with multimedia files when available.
- **Google subtitles (CC)**: Use Google subtitles with multimedia files when available.
- **Left/right sound balance**: Use the slider to set the left and right balance when using a stereo device.
- **Mono audio**: Switch audio from stereo to mono for use with one earphone.

**Dexterity and interaction**
- **Universal switch**: Control your device with your customized switches.
- **Assistant menu**: Improve the device accessibility for users with reduced dexterity.
- **Press and hold delay**: Select a time interval for this action.
- **Interaction control**: Block areas of the screen from touch interaction. Disable Auto rotate screen and hard key functions. Only show application notifications in the Notification panel and the Status bar.
More settings

- **Direction lock**: Unlock the screen by swiping in a series of four to eight directions.

- **Direct access**: Open your accessibility settings by pressing the Home key three times in quick succession.

- **Notification reminder**: Beep at set intervals to remind you of any unread notifications.

- **Single tap mode**: Tap to stop/snooze alarms and calendar events.

- **Manage accessibility**: Export your accessibility settings and share them with another device.

Services

Additional accessibility apps may be downloaded from the Google Play store. Certain accessibility services you install may be configured here.
Set up and manage accounts, including your Google Account, Samsung account, email, and social networking accounts.

Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Add an Account
You can add and manage all your email, social networking, and picture and video sharing accounts.

1. From a Home screen, tap Apps > Settings.
2. Tap Accounts > Add account.
3. Tap one of the account types.
4. Follow the prompts to enter your credentials and set up the account.

Synchronize Accounts
You can synchronize your calendar, contacts, and other types of accounts.

1. From a Home screen, tap Apps > Settings.
2. Tap Accounts > [Account type].
3. Tap an account to view the sync settings for that account.
4. Tap individual data items to sync.
5. Tap More > Sync all or Sync now to synchronize the account.

Note: Sync options and the location of the sync command differ depending on the account type.

Account Settings
Each account has its own set of settings. In addition, you can configure common settings for all accounts of the same type.

Note: Account settings and available features vary between account types and service providers. Contact your service provider for more information on your account’s settings.

1. From a Home screen, tap Apps > Settings.
2. Tap Accounts > [Account type].
3. Tap an account to configure that account’s sync settings.
4. Tap other available options for the account type.

Remove an Account
You can remove accounts from your device.

1. From a Home screen, tap Apps > Settings.
2. Tap Accounts > [Account type].
3. Tap the account and then tap More > Remove account.
Configure your device's Google settings.

Customize Google
To customize your Google settings:

1. From a Home screen, tap Apps > Settings.
2. Tap Google, and select an option to customize:

   - **Sign-in & security**: Configure how you sign in to your Google Account, device access and notifications, and connected apps and sites.

   - **Personal info & privacy**: Manage your personal information, activity controls, ads settings, account overview, and control your content.

   - **Account preferences**: Configure your Google account language, Google Drive storage, accounts and services.

   - **Location**: Configure your Google location settings.

   - **Ads**: Configure your Google advertising profile.

   - **Connected apps**: Configure apps which use your Google account.

   - **Data management**: Configure your Google Drive app.

   - **Google Fit**: Configure Google Fit apps and devices (not included).

   - **Nearby**: Use your device’s sensors to connect with nearby devices.

   - **Search & Now**: Configure your Google search settings and Google Now settings.

   - **Security**: Configure the Android Device Manager and apps security settings.

   - **Set up nearby device**: Set up another device using Wi-Fi and Bluetooth.

   - **Smart Lock for Passwords**: Configure your saved Google passwords and auto sign-in settings.

**Note**: These options may change if you are signed in to your Google Account.
Backup and Reset

Back up your data to Google servers. You can also reset your device to its factory defaults.

Samsung Account
Enable backup of your information to your Samsung account.

1. From a Home screen, tap Apps > Settings.
2. Tap Backup and reset for options:

   Samsung account
   • Back up my data: Enable back up of your messages and more through your Samsung account.
   • Restore: Use your Samsung account to restore your backup data.

Google Account
Enable backup of your information to Google servers.

1. From a Home screen, tap Apps > Settings.
2. Tap Backup and reset for options:

   Google account
   • Back up my data: Enable back up of application data, Wi-Fi passwords, and other settings to Google servers.
   • Backup account: Select a Google Account to be used as your backup account.
   • Automatic restore: Enable automatic restoration of settings from Google servers. When enabled, backed-up settings are restored when you reinstall an application.

Auto Restart
Optimize your device by restarting it automatically at set times. The device only restarts if it is not in use and battery power is more than 30%.

Note: Any unsaved data is lost when the device restarts.

To enable Auto restart:
1. From a Home screen, tap Apps > Settings.
2. Tap Backup and reset > Auto restart.
3. Tap On/Off to activate Auto restart, and then set the following parameters:
   • Time: Set the time of day to restart your device.
   • Days: Select the day of the week to automatically restart your device.

Reset Settings
You can reset your device to its factory default settings, which resets everything except the security, language, and account settings. Personal data is not affected.

1. From a Home screen, tap Apps > Settings.
2. Tap Backup and reset > Reset settings.
3. Tap Reset settings, and confirm when prompted.
Reset Network Settings

You can reset Wi-Fi, Mobile data, and Bluetooth settings with Reset network settings.

1. From a Home screen, tap Apps > Settings.
2. Tap Backup and reset > Reset network settings.
3. Tap Reset settings, and confirm when prompted.

Factory Data Reset

You can reset your device to factory defaults, erasing all data from your device.

This action permanently erases ALL data from the device, including Google or other account settings, system and application data and settings, downloaded applications, as well as your music, photos, videos, and other files. Any data stored on an external SD card is not affected.

Note: When you sign in to a Google Account on your device, Factory Reset Protection is activated. This protects your device in the event it is lost or stolen. For more information, see Factory Reset Protection.

If you reset your device to factory default settings with the Factory Reset Protection (FRP) feature turned on, you must enter the user name and password for a registered Google Account to regain access to the device. You will not be able to access the device without the correct credentials.

Warning: If you reset your Google Account password, you must wait 72 hours after changing your password to perform a factory data reset on your device.

Before resetting your device:

1. Verify that the information you want to keep has transferred to your storage area.
2. Log in to your Google Account and confirm your user name and password.

To reset your device:

1. From a Home screen, tap Apps > Settings.
2. Tap Backup and reset > Factory data reset.
3. Tap Reset device and follow the prompts to perform the reset.
4. When the device restarts, follow the prompts to set up your device.
Configure your device's language and input settings.

Language
You can select a default language for your device's menus and keyboards.

1. From a Home screen, tap Apps > Settings.
2. Tap Language and input > Language.
3. Select a language from the list.

Default Keyboard
You can select a default keyboard for your device’s menus and keyboards.

1. From a Home screen, tap Apps > Settings.
2. Tap Language and input > Default keyboard.
3. Select a keyboard.

Note: Additional keyboards can be downloaded from the Google Play store.

Samsung Keyboard
Configure options for using the Samsung keyboard.

1. From a Home screen, tap Apps > Settings.
2. Tap Language and input > Samsung keyboard for options:
   - Input languages: Set the keyboard type and language.
     - Add input languages: Choose which languages are available on the keyboard. To switch between languages, slide the Space bar sideways.
   - Smart typing: Use predictive text and correct common typing mistakes to improve input.
     - Predictive text: Predictive text suggests words that match your text entries, and can automatically complete common words. Predictive text can learn your personal writing style from your contacts, messages, Gmail, and social networking sites—improving its accuracy of predicting your text entries.
     - Additional keyboard settings provide assistance with capitalization, punctuation, and much more.
   - Key-tap feedback: Play a tone or see character previews while typing.
   - Customization: Use alternative characters, text shortcuts, change the keyboard size, or use a high contrast keyboard.
   - Other settings: Reset keyboard settings.
Google Voice Typing

Speak rather than type your text entries using Google Voice typing.

1. From a Home screen, tap Apps > Settings.

2. Tap Language and input > Google voice typing for options:
   - **Language**: Select languages for Google Voice typing.
   - **“Ok Google” detection**: Launch a Google search whenever you say “Ok Google”.
   - **Hands-free**: Allow requests with the device locked.
   - **Speech output**: Select options for spoken feedback.
   - **Offline speech recognition**: Download and install speech recognition engines, allowing you to use voice input while not connected to the network.
   - **Block offensive words**: Hide search results that contain offensive words.
   - **Bluetooth headset**: Use audio input from a Bluetooth headset (not included) if one is connected.

Text-to-Speech Options

Configure your Text-to-Speech (TTS) options. TTS is used for various accessibility features, such as Voice Assistant. For more information, see Accessibility.

1. From a Home screen, tap Apps > Settings.

2. Tap Language and input > Text-to-speech options for options:
   - **Preferred TTS engine**: Choose either the Samsung or Google Text-to-speech engine. Tap Settings next to each TTS engine for options.
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Default language status**: Display the default language in use.

Pointer Speed

Configure pointer speed for an optional mouse or trackpad (not included).

1. From a Home screen, tap Apps > Settings.

2. Tap Language and input > Pointer speed.

3. Drag the slider to the right to go faster or to the left to go slower.

4. Tap OK to save your setting.
View how battery power is used for device activities.

1. From a Home screen, tap Apps > Settings.
2. Tap Battery for options:

   - **Power saving mode**: Save battery power by limiting your device’s performance, limiting vibration feedback, and restricting location services and most background data.

   - **Ultra power saving mode**: Save battery power by using a minimal Home screen layout and limiting the number of usable apps.

   - **Percentage on status bar**: Display the battery charge percentage next to the battery icon on the Status bar.

   - **Past and predicted usage**: View estimated usage time remaining based on your usage over the last 7 days.

   - **Recent battery usage**: Tap an item to view details of its battery usage.

3. Tap More for the following options:

   - **Refresh**: Update the listing.

   - **Optimize battery usage**: Choose apps to optimize their individual battery usage.
Storage

View the device memory and usage, or mount, unmount, or format an optional memory card (not included).

Device Memory
View and manage the memory used by the device.

1. From a Home screen, tap Apps > Settings.
2. Tap Storage.
3. Tap Internal storage, if an optional SD card is installed. Device storage used out of the total space available is displayed.

   The amounts of memory used are further divided into:
   - **Total space**: The total space in your device’s memory.
   - **Available space**: The amount of storage space currently available.
   - **System memory**: The minimum amount of storage space required to run the system.
   - **Used space**: The amount of storage space currently being used.
   - **Other**: The space used by app data, downloaded files, and Android system files.
   - **Cached data**: The amount of data currently cached.
4. Tap Explore to launch My Files to view content stored on your device.

To increase available memory:
1. From a Home screen, tap Apps > Settings.
2. Tap Storage.
3. Tap Internal storage, if an optional SD card is installed.
4. Tap Cached data to clear cached data for all apps.
5. Tap Delete to confirm.

Memory Card (SD Card)

Once an optional memory card (not included) has been installed in your device, the card memory is displayed as part of Total space and Available space.

**Note**: The SD card menu only appears when an optional memory card is installed.

For more information, see Install an Optional Memory Card.

Mount a Memory Card

When you install an optional memory card, it is automatically mounted (connected to the device) and prepared for use. However, should you unmount the card without removing it from the device, you must mount it before it can be accessed.

1. From a Home screen, tap Apps > Settings.
2. Tap Storage > SD card.
3. Tap Mount.
Remove a Memory Card

**Warning:** To prevent damage to information stored on the memory card, unmount the card before removing it from the device.

1. From a Home screen, tap Apps > Settings.
2. Tap Storage > SD card.
3. Tap Unmount.
4. Insert the removal tool into the hole on the Memory card tray, and push until the tray pops out.
5. Remove the Memory card from the tray, and slide the tray back into the slot.

Format a Memory Card

**Warning:** When formatting an SD card, you should back up your music and photo files that are stored on the card because formatting the SD card deletes all of the stored data.

1. From a Home screen, tap Apps > Settings.
2. Tap Storage > SD card.
3. Tap Format and follow the prompts.
Configure options when using a book cover (not included).

Flip the cover open to unlock the screen when secure lock is turned off.

1. From a Home screen, tap Apps > Settings.
2. Tap Accessories > Automatic unlock to enable this feature.
Date and Time

By default, your device receives date and time information from the wireless network.

When you are outside network coverage, you may want to set date and time information manually using the date and time settings.

1. From a Home screen, tap Apps > Settings.
2. Tap Date and time. The following options are available:
   - **Automatic date and time**: Receive date and time updates from the wireless network.
   - **Set date**: Enter the current date (only available when Automatic date and time is disabled).
   - **Set time**: Enter the current time (only available when Automatic date and time is disabled).
   - **Select time zone**: Choose your local time zone (only available when Automatic date and time is disabled).
   - **Use 24-hour format**: Set the format for displaying time.
About Device

View information about your device, including current status, legal information, hardware and software versions, and more.

1. From a Home screen, tap Apps > Settings.
2. Tap About device, and then tap items for more details:
   - **Download updates manually**: Check for and install available software updates.
   - **Scheduled software updates**: Set a time to automatically check for and install available software updates.
   - **Status**: View the status of the battery, network, and other information about your device.
   - **Legal information**: View legal notices and other legal information.
   - **Device name**: View and change your device's name.
   - Additional device information includes the Model number, Android version, Build number, and more.