

Settings

- Touch the  to access Settings:
 -  **Help & Support:** This help option provides Screen Tips, User Guide, BRID Website, and Copyright information. Follow on-screen instructions for more information.
 -  **General:** This option allows you to adjust the Image Quality.
 - **Image Quality:** Choose from Low Quality, Normal Quality and High Quality. Tap the  to make your selection.
 - **Save Images to Gallery when taking a picture:** Use the **OFF / ON** icon  to automatically save your images to your the Gallery.
 - **Background:** Choose from background options shown on the screen. Tap the background image to make your selection.
 -  **Passcode Lock:** Use this option to set a passcode for this application.
 - **Passcode Lock:** Use the **OFF / ON** icon  to turn the Passcode Lock option on or off.
 - **Change Passcode:** Use the Change Passcode option to reset your passcode. Enter a passcode at the pop-up screen.

- **Startup:** This passcode is used in locking individual folders, the entire application and when using this application. Use the **OFF / ON** icon  to enable this option.

Tip: Use the **OFF / ON** icon  to enable these options.

-  **To-do Settings:** Use this option to set the following options:
 - Badge Count:** Available options are: Overdue+Today, Overdue+Today+Tomorrow, or Overdue. Tap the  to make your selection.
 - Set Alarm for Due-date:** Tap the **OFF / ON** icon  to activate this option.
 - To-do:** Available options are: Standard Alarm 1, Standard Alarm 2, Bird, Alarm Clock, and Trumpet. Tap the  to make your selection.
 - Anniversary:** Available options are: Bell, Piano, Happy Birthday. Tap the  to make your selection.

-  **Backup/Restore via USB:** Use this option to Backup and Restore files.
Tap the Create a New Backup option to create a current backup of your Note.
Tap the Restore option to select the backup to restore.
-  **Web Sharing over Wi-Fi:** Use this option to Start the Backup or Restore options using Wi-Fi.

AT&T AllAccess

AT&T AllAccess is the easy-to-use, all-in-one tool that helps you view and manage your data plan.

- From a Home screen, touch  **Apps** →  **AT&T AllAccess**.

Your Data plan and Data Usage is displayed. You can manage your account, view your bill, and contact customer support.

AT&T Device Help

AT&T Device Help provides online information to help with your tablet questions.

1. From a Home screen, touch  **Apps** → **AT&T Device Help** .
- The **AT&T Device Help** screen displays.

2. Follow the on-screen instructions for accessing helpful information.

AT&T Locker

AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud.

1. Sign on to your Google account if you are not already signed on.
2. From a Home screen, touch  **Apps** → **AT&T Locker** .
3. At the AT&T Locker home screen, tap **Sign Up** to create an account or tap **Log In** if you already have an account.
4. Follow the on-screen instructions to use AT&T Locker.

AT&T Ready2Go

AT&T Ready2Go allows you to quickly and easily setup your tablet by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features. For more information, refer to “Setting Up Your Device” on page 10.

Browser

Your device includes a full HTML Browser, to access the internet.

For more information, refer to “Internet” on page 64.

- From a Home screen, touch  **Apps**
→  **Browser.**

Calculator

The calculator provides the basic arithmetic functions to solve simple arithmetic problems and advanced operators to solve more complex problems.

1. From a Home screen, touch  **Apps**
→  **Calculator.**
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by touching the + (add), - (subtract), $\times$ (multiply), or $\div$ (divide) key.
4. Enter the next number.
5. To view the result, touch the = (equals) key.
6. Repeat Steps 3 through 5 as many times as required.
7. Touch  to clear the result.

8. For more advanced problems, rotate your device to landscape mode and use the advanced operators **sin**, **ln**, **cos**, **log**, **tan**, and so on, just as you would on a pocket calculator.
9. Touch and hold entries in the Calculator's display field to copy or cut the contents of the display.
The  and  displays. Use the icons to select the content to Cut or Copy. Select the , to review the Clipboard.

Calendar

Your device includes a powerful calendar to help you organize your schedules more conveniently and effectively. Learn to create and manage events and tasks, and set alarms to remind yourself of important events and tasks.

1. From a Home screen, touch  **Apps**
→  **Calendar.**
2. Touch a the **Month** drop-down box at the top of the screen to choose a calendar view. The default is Month. The following options are available:
 - **Year:** Display all twelve months of this year. Sweep across the years at the bottom of the screen to display another year.

- **Month:** Display the current month. Touch a month and year at the bottom of the screen to display another month.
 - **Week:** Display the current week. Touch a week at the bottom of the screen to display another week.
 - **Day:** Display today's schedule by hour. Touch day at the bottom of the screen to display another day.
 - **List:** Display only event and task names and dates for a selected year. Touch a year at the bottom of the screen to display another year. Touch a date to hide or show the event or task name.
 - **Task:** Display your list of tasks. Touch the sort field to change how your tasks are sorted. Tasks can be sorted by due date, priority, date, week, month, or group.
3. Swipe left or right across the screen to view other months, days or weeks depending your your setup. Swipe up or down the screen to view other events.
 4. To find an event or task, touch  **Search**. Use the on-screen keyboard to enter a search term. Possible events display as you type.
Touch  to display the keyboard.
Touch an event to send, edit, or delete the event.
 5. Touch  **Add event, Add task, Add memo** and then touch **Save** to add a new event to your calendar. For more information, refer to “*Creating an Event or Task*” on page 100.
 6. Touch  **Menu** to select from the following options:
 - **Zoom in:** Use this to zoom in on the calendar event.
 - **Zoom out:** Use this to zoom out on the calendar event.
 - **Go to:** Use this option to go directly to a different date using the calendar function.
 - **Delete:** Use this option to delete an event.
 - **Sync:** Use this option to synchronize the calendar with other devices.
 - **Settings:** Use this setting to View settings and their options, Event notification and their options, Sync settings, and the associated email accounts attached to this calendar.
 7. Touch **Today** to return to the current date.
 8. Touch **Calendars** to configure which events to display. Touch **Add account** to add additional accounts from which calendar events can be synced.

Creating an Event or Task

To create an event or task:

1. From a Home screen, touch  **Apps**
→  **Calendar**.
2. Double-tap the date for which you want to enter an all day event or task.
— or —
Touch the date for which you want to enter an event or task and touch .
3. Touch the **Add event** or **Add task** tab.
4. Enter the event or task information.
5. Touch **Save**.

Add Additional Calendar Accounts

To add additional accounts:

1. From a Home screen, touch  **Apps**
→  **Calendar** → **Calendars** → **Add account**.
— or —

From a Home screen, touch  **Apps** →  **Settings**
→ **Add account**.

The Add account screen displays.

2. Touch an account type and enter your account information.

Calendar Settings

To set up Calendar preferences:

1. From a Home screen, touch  **Apps**
→  **Calendar**.
2. Touch  **Menu** → **Settings**.
3. On the left side of the screen touch **View settings**, **Event notification**, **Sync settings**, or one of your accounts. Options display on the right side of the screen.
4. Touch fields on the screen to configure the Calendar.
 - Some fields have preset values. Touch the field and touch the desired value.
 - Other fields have to be input. Touch the field and use the on-screen keyboard to input information.
 - Touching the check box next to some fields may make additional fields available.

Camera

Take photos and record video with your device's built in Camera.

For more information, refer to “*Camera*” on page 68.

- From a Home screen, touch  **Apps** →  **Camera**.

ChatON

Use ChatON to send and receive instant messages from any device that has a mobile phone number.

For more information, refer to “*ChatON*” on page 59.

- From a Home screen, touch  **Apps** →  **ChatON**.

Chrome

Use Chrome to browse the internet and bring your open tabs, bookmarks and omnibox data from your computer to your phone or tablet.

- From a Home screen, touch  **Apps** →  **Chrome**.

Follow on-screen instructions.

Contacts

Store contact information for your friends, family and colleagues, to quickly access information or to send a message.

For more information, refer to “*Contacts*” on page 35.

- From a Home screen, touch  **Apps**
→  **Contacts**.

Downloads

Files, apps, and other items you download in Internet, Gmail, Email, or in other ways, are stored on your tablet's internal storage. Use the Downloads app to view, reopen, or delete what you have downloaded.

1. From a Home screen, touch  **Apps**
→  **Downloads**.
2. Touch an item to open it.
3. Touch headings for earlier downloads to view them.

4. Touch items you want to send, to check them, and then touch  **Share**. Touch an option to share the item. Options are: aNote HD, AT&T Locker, Bluetooth, ChatON, Email, Flipboard, Gmail, Google+, Group Play, Paper Artist, Picasa, S Note, Wi-Fi Direct, or YouTube (videos only).
5. Touch items you want to delete, to check them, and then touch  **Delete**.
The items are deleted from your tablet.
6. Touch **Sort by size** or **Sort by date**, at the bottom of the Downloads pop-up, to switch back and forth. Touch **Clear list** to cancel the download and clear the download history.

Email

Send and receive email using popular email services. For more information, refer to “Email” on page 52.

- From a Home screen, touch  **Apps** →  **Email**.

Flipboard

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

1. From the Home screen, tap  → **Flipboard** .
2. Tap **Get started**, select some on-screen categories and tap **Build Your Flipboard** to create a new profile.
– or –
Tap **Sign In** to log into your previously created profile.
3. Follow the on-screen instructions.

Gallery

Use Gallery to view, capture, and manage photos and videos. For more information, refer to “Gallery” on page 77.

- From a Home screen, touch  **Apps** →  **Gallery**.

Game Hub

Access social and premium games. Join Game Hub to enjoy free games with your friends.

1. From a Home screen, touch  **Apps**
→  **Game Hub**.

A Disclaimer screen displays.

2. Read the Disclaimer and touch **Confirm**.
3. Touch  **Menu** to display the following options:
 - **Uninstall**: Touch this option to uninstall a previously installed game.
 - **Legal notices**: Displays Game Hub legal information.
4. Touch a game and follow the on-screen instructions.

Games

Access social and premium games. Join Game Hub to enjoy free games with your friends.

1. From a Home screen, touch  **Apps** →  **Games**.
2. Touch a game and follow the on-screen instructions.

Gmail

Send and receive email with Gmail, Google's web-based email. For more information, refer to "Gmail" on page 49.

- From a Home screen, touch  **Apps** →  **Gmail**.

Google Search

Search the internet using the Google search engine.

1. From any Home screen, touch  **Apps** →  **Google**.
– or –
From the main Home screen, swipe your tablet to the left, then touch  **Google**.
2. Use the keyboard to enter search criteria to display matching searches.
– or –
Touch  and speak the search criteria slowly and clearly. Google searches for the information and displays results.
Suggestions display below the text entry area.
3. Touch a suggestion to search for that term.
– or –

Touch  on the keyboard to start the search.

A browser window displays the search results.

To use Voice Search directly:

1. From a Home screen, touch  **Apps**
→  **Voice Search**.
2. Touch  and speak the search criteria slowly and clearly. Google searches for the information and displays results or displays **Retry**. Touch the  to retry speaking the search word(s).

Google+

Share updates and see what is going on around you with Google+ for mobile.

For more information, refer to “Google+” on page 59.

- From a Home screen, touch  **Apps** →  **Google+.**

Group Play

Group Play is an easy way to share files in real time with others who are on the same Wi-Fi network. Group Play can be used when you want to share documents, images, music, and so on.

You can use Group Play for meetings, sales presentations, conferences, and classes. All you need is a Wi-Fi network that works with Group Play, and most do.

Using Group Play from an Application

While using various applications, such as  **Gallery**, when you touch  **Share** to share a file, you see Group Play as an option.

To share a file using Group Play:

1. From a Home screen, touch  **Apps** →  **Gallery**.
2. Navigate to the file you want to share and touch  **Share via** → **Group Play**.

For more information, refer to “Gallery” on page 77.

Note: After the initial Group Play request, touch

 **Group Play** instead of  **Share**.

3. Use the keyboard to enter a PIN code and touch **Done**.
This process makes sure only desired recipients can view your shared image.

The Group Play screen displays and the device waits for other connected recipients to accept the connection and enter the PIN on their screens.

You can now interact and draw with the on-screen image, and users will instantaneously see the same gestures and also be able to interact.

Note: The newly altered image (with markups and comments) cannot be saved, but you can take a screen shot of the current image and save it to your Clipboard. For more information, refer to “*S Pen Screen Capture*” on page 23.

Using Group Play Directly

You can also access Group Play from the Applications screen.

1. From a Home screen, touch  **Apps**
→  **Group Play**.

The Group Play screen displays.

2. If **Not connected** is displayed on the left side of the screen, touch **Wi-Fi settings** to connect to a Wi-Fi network.

Once your device is connected to a Wi-Fi network, the network name is displayed.

3. Touch **Start** to share a picture, document, or music. For more information, refer to “*Using Group Play from an Application*” on page 104.
4. Touch **Join** to join a Group Play session in progress. Use the keyboard to enter the required PIN code and touch **Done**.

Help

Use this app to learn more about your camera, change important settings, use key applications, and link to product videos.

1. From a Home screen, touch  **Apps** →  **Help**.
2. Touch a topic on the left side of the screen to view information on the right side of the screen.

Local

Google Local is an application that uses Google Maps and your location to help you find destinations, such as restaurants, bars, hotels, attractions, ATMs, and gas stations. You can also add your own locations.

Note: You must enable location services to use Local. Some features require Standalone or Google location services. For more information, refer to “*Location Services*” on page 134.

1. From a Home screen, touch  **Apps** →  **Local**.
2. Touch  to choose or enter your location.
3. Touch one of the business categories to search for a particular business.
4. Touch a business in the list to see more details about it.
5. Touch your location at the bottom of the Local pop-up to write or view reviews, check in here, and so on.
6. For more information touch  **Menu** → **Help**.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps. Some features require Standalone or Google location services. For more information, refer to “*Location Services*” on page 134.

- From a Home screen, touch  **Apps** →  **Maps**.

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- Use two fingers, such as your index finger and thumb, to zoom out by making an inward pinch motion on the screen. To zoom in, make an outward motion by sweeping your fingers out.



Tip: For convenient browsing, you can rotate the device to landscape mode.

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch

- Touch an icon on the map to display information about the location. For example, your location is indicated by a flashing icon.

Maps Menu

While viewing a map:

1. Touch  **Menu** for options.
2. Touch  **Menu** → **Settings** to configure Maps settings.
3. For more information touch  **Menu** → **Help**.

Messenger

With Google Messenger, you can bring groups of friends together into a simple group conversation.

For more information, refer to “*Messenger*” on page 59.

- From a Home screen, touch  **Apps**
→  **Messenger**.

Music Hub

The Music Hub lets you purchase and download songs and albums. For more information, refer to “*Music Hub*” on page 62.

- From a Home screen, touch  **Apps**
→  **Music Hub**.

Music Player

Play music and other audio files that you copy from your computer. For more information, refer to “*Music Player*” on page 62.

- From a Home screen, touch  **Apps**
→  **Music Player**.

My Files

Find, view, and manage folders and files, such as music files, photo files, video files, and so on, stored on your tablet. If the file is associated with an application on your device, you can launch the file in the application.

1. From a Home screen, touch  **Apps**
→  **My Files**.
2. Touch a folder and scroll down or up until you locate a file.

Note: You may have to touch one or more subfolders before you encounter files.

3. Touch a file to launch it in the associated application, if the file is associated with an application.

4. While browsing files, use these controls:



Up: Display a higher directory.



Search: Use the keyboard to enter a search term. The current folder is searched and results are displayed. Touch **X** to remove the search field.



Display mode: Enable thumbnails for each file.

– or –



Enable list mode.



Home: Display the root directory.



Create folder: Create a new folder in the current folder.



Mark files: Touch the box to the left of each file or next to the folder to select all files in the folder. Then touch copy, cut, delete, or send via in the Application bar.

5. To view a photo file:

- Touch the file.

The Complete action using pop-up displays.

- Touch **Gallery** to use that app to open the photo.

6. To view a video file:

- Touch the file.

The Video Player is launched and plays the video.

For more information, refer to “*Video Player*” on page 75.

myAT&T

The myAT&T application allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan.

Note: The first time you use myAT&T, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to “*Play Store*” on page 111.

Initial Setup

1. From the Home screen, tap  → myAT&T .

2. Sign into your Google Account. If you haven't set up an account, see *"Creating a New Google Account"* on page 14.
3. After signing into your Google Account, the Play Store displays the **myAT&T** application. Tap the application.
4. Tap **Update**.
5. Follow the on-screen instructions.

Using myAT&T

1. From the Home screen, tap  → **myAT&T** .
The **myAT&T** page is displayed.
2. Read the Terms and Conditions and tap **Accept** to continue.
3. Enter your **User ID** and **Password** using the on-screen keypad, then tap **Login**.
4. Follow the on-screen instructions.

Navigation

Use Google Navigation to find a destination and to get walking or driving directions.

Navigation works best when Wi-Fi is enabled. For more information, refer to *"Turning Wi-Fi On"* on page 85.

Note: You must enable location services to use Navigation. Some features require Standalone or Google location services. For more information, refer to *"Location Services"* on page 134.

- From a Home screen, touch  **Apps**
→  **Navigation**.

Navigation Menu

While viewing a map:

1. Touch  **Menu** for options.
2. Touch  **Menu** → **Settings** to configure Navigation settings:
3. For more information touch  **Menu** → **Help**.

Paper Artist

Add cartoon and many other effects to existing photos or photos you take within Paper Artist.

1. From a Home screen, touch  **Apps**
→  **Paper Artist**.
2. Touch  **Menu** → **Help** to get started.

Play Books

Use the Play Books app to read eBooks from the Internet-based Google Play Books service. Google eBooks is a new way to discover, buy, and enjoy your favorite books online and offline.

- From a Home screen, touch  **Apps**
→  **Play Books.**

The Google Play Books main screen displays.

Note: You may be asked to create or sign on to your Google account. For more information, refer to “*Setting Up Your Gmail Account*” on page 49.

Play Books Menu

From the Play Books main screen:

1. Touch  **Menu** for options.
2. Touch  **Menu** → **Settings** configure Play Books settings.
3. For more information touch  **Menu** → **Help**.

Play Magazines

Google Play Magazines helps you subscribe to your favorite magazines so you can have them available to read on your tablet at your leisure.

- From a Home screen, touch  **Apps**
→  **Play Magazines.**

Play Movies & TV

The Play Movies & TV app is a new application for select Android devices. Any movie you rent from the Google Play Store can be downloaded for offline viewing through this application. In addition, the Play Movies & TV app can be used to stream your Google Play movie rentals as well as play any of your personal videos stored on your tablet.

1. From a Home screen, touch  **Apps**
→  **Play Movies & TV.**
2. For more information touch  **Menu** → **Help**.

Play Music

Play music and other audio files that you copy from your computer.

For more information, refer to “*Google Play Music*” on page 61.

- From a Home screen, touch  **Apps**
→  **Play Music.**

Play Store

Google Play Store provides access to downloadable applications and games to install on your device. It also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your device.

1. From a Home screen, touch  **Apps**
→  **Play Store.**

If you are not already logged in with your Google account, the Add a Google Account screen displays.

- Touch **Existing**, if you already have a Google account, or **New** to create a Google account.

For more information, refer to “*Setting Up Your Gmail Account*” on page 49.

2. The first time you open Play Store, read the Google Play Terms of Service, the Google Music Terms of Service, the Google Books Terms of Service, and the YouTube Rentals Terms of Service, then touch **Accept** to continue.
3. To get help for using Google Play, touch  **Menu** → **Help.**

Updates to Downloaded Apps

You can check for new versions of applications by visiting the Google Play Store. Items that have a new version available will say **Update**.

You can also select apps that you would like to be updated automatically. To do this:

1. From a Home screen, touch  **Apps**
→  **Play Store.**

2. Touch  **Installed Apps.**

3. Touch the **Installed** tab to list the Play Store apps installed on your device.

Update is displayed if there is an update available for the app.

4. Touch an app and then touch **Allow automatic updating** to enable automatic updating.
5. Touch **Open** to open the app on your device.
6. Touch **Update** to immediately update the app on your device.

Polaris Office

Polaris Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From a Home screen, touch  **Apps**
→  **Polaris Office**.
2. Enter your Email information, if desired, and touch **Register** to complete the process.
– or –
Touch **Skip** to ignore this registration.
The main Polaris Office screen displays.
3. To get help for using Polaris Office, touch  **Menu**
→ **Help** → **User Guide**.

S Note

Use S Note to create notes with productivity tools that turn handwriting into typed text and correct drawn shapes, lines, and formulas to make them perfect.

1. From a Home screen, touch  **Apps** →  **S Note**.
2. Touch **Cancel/OK** to remove the Learn about application pop-up.

S Voice

The S Voice app enables you to perform various tasks simply by speaking.

1. From a Home screen, touch  **Apps** →  **S Voice**.
The Samsung Disclaimer for S Voice displays.
2. Touch **Confirm**.
The Terms of Service displays.
3. Touch **Terms of service** and **Privacy policy** to read those documents and then touch **Agree**.
The About S Voice pop-up displays.
4. Touch **Next** to view a tutorial or touch **Skip** to display the S Voice main screen.

5. Touch  in the lower, right corner of the S Voice screen to display phrases you can use to open various apps.
6. Touch  **Menu** → **Settings** to view and manage your S Voice settings. Touch fields on the screen to configure the settings.
 - Some fields have preset values. Touch the field and touch the desired value.
 - Other fields have to be input. Touch the field and use the on-screen keyboard to input information.
 - Touching the check box next to some fields may make additional fields available.
 - Touch **Help** for more information.

Samsung Apps

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

1. Sign on to your Samsung account if you have not already done so.

2. From a Home screen, touch  **Apps** →  **Samsung Apps**.
3. Tap an application that you would like, then tap **Get**.
4. Tap **Accept and download**.

The application is downloaded to your device. You can find the app icon in your app menu.
5. Press  **Menu** → **Help and notices** for additional information.

Settings

Configure your device to your preferences.

For more information, refer to “*Settings*” on page 120.

- From a Home screen, touch  **Apps** →  **Settings**.

Smart Remote

Allows you to locate and watch programming on your tv and then control your entertainment system with gestures from the device.

For more information, go to: <http://www.peel.com>.

Discover and control TV programming right from your device. Lose your remotes, once and for all. Quit scrolling those tiresome grid guides. See what you want, right at your own fingertips: your shows, your controls, your friends.

Peel suggests Top Pick TV shows for you based on what you watch and like. Instead of a long, boring channel grid, Peel presents an easy-to-use mosaic of your favorite shows, filtered by type and genre in the order you like.

1. From a Home screen, touch  **Apps**
→  **Smart Remote.**

The Samsung Disclaimer displays.

2. Touch **Agree.**
3. Touch Set Up Smart Remote Now: **US & Canada.**
4. Follow the on-screen instructions.

Talk

Use Google Talk to chat with other Google Talk users.

For more information, refer to “*Google Talk*” on page 55.

- From a Home screen, touch  **Apps** →  **Talk.**

Video Player

View and manage videos stored on your tablet.

For more information, refer to “*Video Player*” on page 75.

- From a Home screen, touch  **Apps**
→  **Video Player.**

Voice Search

To use Voice Search:

1. From a Home screen, touch  **Apps**
→  **Voice Search.**
2. Touch  and speak the search criteria slowly and clearly. Google searches for the information and displays results or displays **Retry.**

WatchOn

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

Using WatchON

Important! Before initiating use, verify you have an active Internet connection available (either mobile network or Wi-Fi connection).

Note: Before beginning your initial WatchON application setup, confirm your TV is turned off.

Initial Configuration

1. Sign into your Samsung account.
2. From the Home screen, tap  **Apps** →  **WatchON** → **Set up**.
3. Select your desired country for your TV Guide's source listing and tap **Next**.
4. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.
5. From the **Find your TV service** screen, select a service provider from the available channel listing.
6. From the **Choose your TV Brand** screen, tap your TV's manufacturer name.
 - If you have a brand of TV not listed or you are using a projector, make the appropriate on-screen selection of the corresponding button.
 - Options include **Other TV Brands** or **I Have a Projector**.

7. Aim your device at the TV and tap  (**Power**) to confirm the set up process completed successfully and the correct TV IR codes were selected.

Note: The process of the initial TV activation can take up to 10 seconds. Please do not press the button again.

8. If the TV turned on, tap **Yes**.
– or –
If the TV did not turn on after tapping  (**Power**) and waiting 10 seconds, tap **No** or **Retry**.
9. From the **Choose Your TV Tuner** screen, select the entry that corresponds to your current channel control method:
 - **Cable/Satellite/STB/PVR/DVR**: selected when changing channels is done via a receiver box. Channels are not changed via the TV remote but rather through the receiver/box.
 - **My xxx TV**: selected when a signal is fed directly into the TV and no box is used. Channels are changed directly on the TV by using the TV remote and not a box's remote.

Note: Try matching your current channel selection method.

10. Select the Satellite Box Brand from the available list.
For example, DirectTV®.

- If your brand does not appear in the list, tap **Other Satellite Box Brands** and follow the on-screen instructions.

Important! You must configure your set top box for IR communication with your device. If you do not select **More Info..** below and follow the on-screen instructions you may not be able to properly use the application.

11. When prompted to Enable IR, tap **More Info..** to learn how to configure your set top box to receive and respond to IR controls.
12. Only after completing the IR setup process and programming your box, press  **Back**.

Note: This IR programming of your set top box is a one-time process and once successful should not need to be repeated.

13. If prompted to either personalize your experience or configure Netflix®, follow the on-screen instructions.

Using WatchON

To change channels:

1. Sign into your Samsung account.
2. From the Home screen, tap  **Apps →**
 **WatchON.**
3. From the top of the main screen, tap  (**Remote Control**). This launches an on-screen set of remote control tabs. Choose from one of the following:
 - **Easy remote:** provides the most common used control features. Scroll down to view additional functions.
 - **[Set top box]:** displays customized control specific to your configured set top box. Ex: satellite dish remote control functions.
 - **TV:** provides access to control functions specific to your TV.
4. From the top of the main screen tap  (**Select Room**) to choose from different receivers/boxes in different rooms. Ex: Living Room box, Bedroom box, etc..
5. Press  **Back** to return to the main menu.

Locating your favorite programming:

1. Sign into your Samsung account.

2. From the Home screen, tap  **Apps** →  **WatchON**.
3. From the main screen Tap  (**Combined View**) to reveal available media categories.
4. Select an available category.
– or –
Tap **Guide** to display on your TV an on-screen listing of available set top box shows.

For additional information on the WatchON application, press  and then select **Help**.

WatchOn Settings

1. From the Home screen, tap  **Apps** →  **WatchON**.
2. Press  and then select an available on-screen option:
 - **Change Room**: allows you to select a previously configured room.
 - **Settings**: provides access to the Samsung WatchOn settings menu.
 - **Help**: displays on-screen help information.
3. **About**: displays on-screen information about the application.

World Clock

View the date and time in any time zone.

1. From a Home screen, touch  **Apps** →  **World Clock**.

A map of the world displays with the locations you have added flagged.

2. Touch  **Add** to add a city to display.
A list of world cities displays in landscape mode.
3. Scroll through the list and touch the city you want to add.

Tip: Touch the first letter of the city's name, to the right of the list, to find the city more quickly.

– or –

In portrait or landscape mode, touch and turn the globe to locate a city and touch the city you want to add.

A pop-up displays the city name, the current time and date there, and the GMT offset.

4. To add the city, touch  **Add** on the pop-up.

5. To change the order of the cities, touch  **Reorder**. Touch the grid  on an entry and drag the entry to a new position in the list. Touch **Done** to change the order.
6. Touch  **Remove** to delete entries. Touch the box next to the cities you want to delete so that a  check mark displays, then touch **Delete**.
7. Touch and hold an entry to remove it or to set the **DST settings**, which enable or disable Daylight Savings Time adjustments.

YouTube

View and upload YouTube videos, right from your device.

1. From a Home screen, touch  **Apps** →  **YouTube**.
2. Touch  **Search YouTube** and use the keyboard to enter a keyword or phrase. Touch  on the keyboard to initiate the search.
3. From the YouTube main screen, touch  **Menu** for options.
4. Touch  **Menu** → **Settings**. Follow the on-screen instructions.

5. For more information touch  **Menu** → **Help**.

YPmobile

The Yellowpages Mobile application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time.

Note: The first time you use YP, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update** or **Install** then follow the on-screen instructions. For more information, refer to “Play Store” on page 111.

1. From the Home screen, tap  → **YPmobile** .
2. Sign on to your Google account if you have not already done so.
3. Read the End-User License Agreement (EULA) and tap **Accept** to continue.
4. Your location is found using GPS. Tap **OK** to allow YPmobile to use your current location.
5. Tap the **Find a business nearby!** field.

6. Enter information in the **What:** and **Near:** fields and tap **Search**.
7. Results will be displayed.
8. Tap **Map** to see the locations marked with pins on the map.
9. Pinch the map screen inwards to zoom out or pinch it outwards to zoom in.
10. Tap a pin to read information about the location.
11. Tap  **Menu** to display additional options.

Section 10: Settings

This section explains Settings for customizing your device.

Accessing Settings

- From a Home screen, touch  **Settings**.
— or —

From any screen, pull down the Quick Settings bar, then touch  **Settings**. For more information, refer to “Quick Settings” on page 23.

The Settings screen displays.

The Settings Screen

The Settings screen has tabs on the left side of the screen. Information related to the tabs displays on the right side of the screen. There are four major groups of settings: Wireless and network, Device, Personal, and System.

Wi-Fi

Your device supports Wi-Fi a/b/g/n. Use Wi-Fi settings to manage your device's Wi-Fi connections.

For more information about using your device's Wi-Fi features, see “Wi-Fi” on page 84.

Turning Wi-Fi On or Off

When you turn Wi-Fi service on, your device automatically searches for available, in-range Wireless Access Points (WAPs).

- From any Home screen, touch the time, then touch **Wi-Fi** from the Quick Settings menu.
For more information, refer to “Quick Settings” on page 23.

— or —

From a Home screen, touch  **Settings**. On the Wi-Fi tab, touch the **OFF / ON** icon  to turn Wi-Fi on or off.

Scan for Wi-Fi Networks

To make sure you have an accurate list of Wi-Fi networks.

- From a Home screen, touch  **Settings** →  **Wi-Fi**, and then touch **Scan**.

Add Wi-Fi Network

To open a dialog where you can add a Wi-Fi network by entering its Network SSID (the name it broadcasts), security type, and other properties:

1. From a Home screen, touch  **Settings** →  **Wi-Fi**, and then touch **Add Wi-Fi network**.
2. Use the keyboard to enter **Network SSID**.
3. Touch the **Security** field and then touch a security type.

Note: Depending on the Security protocol used by the WAP, additional network information may be required, such as a Password.

4. If necessary, touch **Password** and enter the password or hex key.
5. Touch **Save**.

Advanced Settings

Set up and manage wireless access points.

1. From a Home screen, touch  **Settings** →  **Wi-Fi**.
2. Touch  **Menu** → **Advanced**.
The following options display:

- **Network notification:** Have your device alert you to new Wireless Access Points (WAPs). Touch **Network notification** to turn notifications On or Off. When enabled, a check mark  appears in the check box.
- **Keep Wi-Fi on during sleep:** Specify when to disconnect from Wi-Fi. Option are: Always, Only when plugged in, or Never.
- **Check for Internet service:** Checks if Wi-Fi internet service is available when connected to an AP (Access Point).
- **MAC address:** View your device's MAC address, required when connecting to some secured networks (not configurable).
- **IP address:** View your device's IP address.

Wi-Fi Direct Settings

You can configure your device to connect directly with other Wi-Fi capable devices. This is an easy way to transfer data between devices. These devices must be enabled for Wi-Fi Direct communication. This connection is direct and not via a hot spot or WAP.

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

1. From a Home screen, touch  **Settings** →  **Wi-Fi**.
2. Touch the **OFF / ON** icon  to turn Wi-Fi on.
3. Touch **Wi-Fi Direct** to display Available devices.
Your device begins to search for other devices enabled with Wi-Fi direct connections.
4. When scanning is complete, touch a device name to begin the connection process to another Wi-Fi Direct compatible device.

Note: The target device must also have Wi-Fi Direct service active and running before it is detected by your device.

The direct connection establishes, the status field displays “Connected”, and your connected device is displayed in the Wi-Fi Direct devices listing.

5. Touch **End connection** → **OK** to end the Wi-Fi Direct connection.

For more information, refer to “*Wi-Fi Direct*” on page 86.

Bluetooth

Use Bluetooth settings to manage Bluetooth connections, set your device’s name, and control your device’s visibility.

Turning Bluetooth On or Off

To turn your device’s Bluetooth service On or Off:

- From any Home screen, touch the time, then touch **Bluetooth** from the Quick Settings menu.

For more information, refer to “*Quick Settings*” on page 23.

– or –

From a Home screen, touch  **Settings**. On the Bluetooth tab, touch the **OFF / ON** icon  to turn Bluetooth on or off.

For more information about using Bluetooth to exchange information with other Bluetooth devices, see “*Bluetooth*” on page 87.

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From a Home screen, touch  **Settings** →  **Bluetooth**.
2. Touch **Scan** to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, refer to “*Pairing with a Bluetooth Device*” on page 87.
3. Touch  **Menu** and select a Bluetooth setting to configure:
 - **Rename device:** Your device's default name displays on screen. Touch to change the device name. Available when Bluetooth is turned On.
 - **Visibility timeout:** Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never timeout.
 - **Received files:** Show the list of files received by using Bluetooth.

Data Usage

From this screen you can view the Wi-Fi or Ethernet data usage.

1. From a Home screen, touch  **Settings** →  **Data usage**.
2. Touch the **Data usage cycle** drop-down menu and select a date.

The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of data usage by application.

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

3. Touch the  **Menu** and the following options display:
 - **Data roaming:** enables data roaming on your device.
 - **Restrict background data:** restricts some apps and services from working unless you are connected to a Wi-Fi network.
 - **Auto-sync data:** allows your accounts to automatically sync
 - **Show Wi-Fi usage:** displays a Wi-Fi tab that shows Wi-Fi usage.
 - **Mobile hotspots:** displays available mobile hotspots.

More Settings

This tab displays additional wireless and network information.

- From a Home screen, touch  **Settings → More settings**.
Options display for Airplane mode, Mobile networks, VPN, Nearby devices, AllShare Cast, and Kies via Wi-Fi.

Airplane Mode

Airplane mode allows you to use many of your tablet's features, such as Camera, Games, and more, when you are in an airplane or in any other area where accessing data is prohibited.

Important! When your tablet is in Airplane Mode, it cannot access online information or applications.

- Press and hold the **Power** button then touch **Airplane mode**.
– or –
From a Home screen, touch  **Settings → More settings → Airplane mode**, touch the check box, and then touch **OK** to turn on Airplane mode.

A check mark  appears in the check box when Airplane mode is On.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

Mobile data

To enable data access over the mobile network, this option must be selected. It is set on by default.

1. From the Home screen, tap  **Settings → More settings → Mobile networks**.
2. Tap **Mobile data** to create a checkmark and activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap  **Settings → More settings → Mobile networks**.
2. Tap **Data roaming** to create a checkmark and activate the feature.

Access Point Names

To use Wi-Fi you need access to a wireless access point (hotspot).

1. From the Home screen, tap  **Settings → More settings → Mobile networks.**

2. Tap **Access Point Names.**

A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From the Home screen, tap  **Settings → More settings → Mobile networks.**

2. Tap **Network operators.**

The current network connection displays at the bottom of the list.

Important! You must deactivate data service prior to searching for an available network.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default setup options

Your tablet default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

1. From the Home screen, tap  **Settings → More settings → Mobile networks.**
2. Tap **Network operators.**
3. Tap **Default setup.**
4. Tap **Manual** to locate and connect to a network manually, or tap **Automatic** to allow the device to automatically select a network.

VPN

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Important! Before you can use a VPN you must establish and configure one.

Adding a Basic VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to “*Lock Screen*” on page 135.
2. From the Home screen, tap  **Settings → More settings → VPN**.
3. Tap **Basic VPN**.
4. Tap **Add VPN network**.
5. Enter a name for the VPN network in the **Name** field.
6. Select a VPN type from the **Type** drop-down menu. The options are:
 - PPTP (Point-to-Point Tunneling Protocol)
 - L2TP/IPSec PSK (Layer 2 Tunneling Protocol / Internet Protocol Security Pre-Shared Key)
 - L2TP/IPSec RSA
 - IPSec Xauth PSK

- IPSec Xauth RSA
- IPSec Hybrid RSA

7. Enter the Server address and any other required fields that are dependent upon the **Type** you entered previously.
8. Tap the **PPP encryption (MPPE)** check box to use the MPPE protocol for encryption.
9. Tap the **Show advanced options** check box to display additional VPN options.
10. Tap **Save** to save your VPN settings.

Adding an IPsec VPN

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to “*Lock Screen*” on page 135.
2. From the Home screen, tap  **Settings → More settings → VPN**.
3. Tap **Advanced IPsec VPN**.
4. Tap **Add VPN connection**.
5. Enter a password, confirm the password, and tap **OK**.
6. Enter a name for the VPN connection in the **VPN connection name** field.

7. Select a IPsec type from the drop-down menu.
8. Enter any other required information.
9. Tap the **Show advanced options** check box to display additional VPN options.
10. Tap **Save** to save your VPN settings.

Nearby Devices

This option allows you to share your media files with nearby DLNA (Digital Living Network Alliance) enabled devices.

Warning! If file sharing is enabled, other devices can access your data. Use the Wi-Fi network and this option with care.

To configure this option:

1. From a Home screen, touch  **Settings** → **More settings** → **Nearby devices**.
2. Touch **File sharing** to turn File sharing on.
A check mark  appears in the check box when File sharing is On.
3. In the Advanced section, set the following options:
 - **Shared contents:** Select the content to share. Choices are: Videos, Photos, and Music.

- **Device name:** Enter the name for your device. The default is the model number: GT-N5110.
- **Allowed devices list:** Indicate the devices accessible to your device.
- **Not-allowed devices list:** Indicate the devices not accessible to your device.
- **Download to:** Set whether to download data to Device or SD card.
- **Upload from other devices:** If a nearby device attempts to upload data, this setting indicates the response. Options are: Always accept, Always ask, and Always reject.

AllShare Cast

To share your device's screen with another device, enable AllShare Cast.

1. From a Home screen, touch  **Settings** → **More settings** → **AllShare Cast**.
2. Touch the **OFF / ON** icon  to turn AllShare Cast on.

Kies via Wi-Fi

Samsung Kies is a software that enables you to update your device firmware, synchronize files, and transfer data to and from your device directly by connecting to the PC. Kies via Wi-Fi allows you to access Samsung Kies using a Wi-Fi network.

1. From a Home screen, touch  **Settings → More settings → Kies via Wi-Fi**.
2. Select the source of the Wi-Fi connection for Kies air.

For more information, refer to “Kies Via Wi-Fi” on page 89.

Home screen mode

Home screen mode allows you to set your display to the conventional layout of **Basic mode** or provide an easier user experience for the first-time tablet users using **Easy mode**.

1. From the Home screen, touch  **Settings → Home screen mode**.
2. Tap the pull-down dropbox and select one of the following options:
 - **Basic mode**: provides conventional layout for the apps and widgets on your home screens.
 - **Easy mode**: provides easier user experience for first-time tablet users on the home screens.

3. Tap **Apply**.

Blocking Mode

When enabled, notifications for selected features are disabled.

1. From a Home screen, touch  **Settings → Blocking mode**.
2. Touch the **OFF / ON** icon , to turn Blocking mode **ON**.
3. Touch **Disable notifications** to enable this feature. A check mark  appears in the check box when Disable notifications is On.
4. Touch **Disable alarm** to enable this feature. A check mark  appears in the check box when Disable alarm is On.
5. The **Set time** option allows you to set **Blocking mode** for a specific time range or **Always**.
6. Touch the **Always** field to disable it or configure the **From** and **To** time fields. A check mark  appears in the check box when Disable alarm and timer is On.

Sound

Volume

Set the volume level for all types of sounds.

Note: You can only set volume when Silent Mode is disabled.

1. From a Home screen, touch  **Settings** → **Sound** → **Volume**.
2. Touch and drag the sliders to set the volume for:
 - **Music, video, games and other media:** Sounds made by music apps, video apps, and more.
 - **Notifications:** Sounds for alerts to other events.
 - **System:** Application sounds and other sounds made by your device.

Tip: You can also set System volume from the Home screen by pressing the Volume Key.

3. Touch **OK** to save your settings.

Vibration intensity

1. From a Home screen, touch  **Settings** → **Sound** → **Vibration intensity**.
1. Touch and drag the sliders to set the Vibration intensity:
 - **Notifications:** Vibration intensity for alerts to other events.
 - **Haptic feedback:** Vibration intensity for the Haptic feedback.
2. Touch **OK** to save your settings.

Default Notifications

Select a default ringtone for message, alarm, and other notifications.

1. From a Home screen, touch  **Settings** → **Sound** → **Default notifications**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

System

You can activate or deactivate both touch and screen lock sounds.

1. From a Home screen, touch  **Settings** → **Sound**.
2. Touch **Touch sounds** or **Screen lock sound** (both default to On).

When enabled, a check mark  appears in the check box.

3. Touch **Haptic feedback** to enable a vibration when softkeys are pressed.

When enabled, a check mark  appears in the check box.

Display

In this menu, you can change various settings for the display.

1. From a Home screen, touch  **Settings → Display:**

- **Wallpaper:** allows you to set the Wallpaper for your Home screen, Lock screen, or both.
- **Notification panel:** allows you to set the brightness of your notification panel and also select the quick setting buttons that you want to display at the top of the notification panel. For more information, refer to “*Quick Settings*” on page 23.
- **Multi window:** tap this option to enable/disable the automatic Multi window feature.

- **Page buddy:** allows context related pages to be created on the Home screen. You can select Earphones page, Docking page, and Roaming page. Tap Page buddy help for more information. Touch and slide the Page buddy slider to the right to turn it on .
- **Screen mode:** allows you to select from several different color modes.
- **Reading mode:** optimizes the screen for reading on selected applications. Touch and slide the Reading mode slider to the right to turn it on .
- **Brightness:** configures the LCD Brightness levels. To adjust the brightness, tap Automatic brightness to remove the checkmark, then drag the slider to the desired brightness and tap OK.
- **Screen timeout:** adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 3 minutes, 5 minutes, 10 minutes, 15 minutes and 30 minutes.
- **Smart stay:** when activated, your screen stays on as long as you are looking at it.

- **Font style:** allows you to set the font style that your tablet will use. You can also tap Get fonts online to choose from a wider selection.
- **Font size:** allows you to select which size of font is displayed.
- **Increase legibility:** enhances the clarity of text.
- **Touch key light duration:** allows you to set the time that the touch keys located on the bottom of your tablet are lit.
- **Display battery percentage:** allows you to see the battery charge percentage next to the battery charge icon at the top of the display.

Storage

From this menu you can view the device memory or mount, unmount, or format an SD card.

Device Memory

- From a Home screen, touch  **Settings → Storage**.
The Device memory displays as Total space, Applications, Pictures, videos, Audio, Downloads, Miscellaneous files, and Available space.

SD Card

Once a memory card has been installed in your device, the SD card memory displays as Total space and Available space.

Mounting an SD Card

1. Install an SD card. For more information, refer to “*Installing a Memory Card*” on page 12.
2. From a Home screen, touch  **Settings → Storage**.
3. Touch **Mount SD card**.

Unmounting an SD Card

1. From a Home screen, touch  **Settings → Storage**.
2. Touch **Unmount SD card**.
3. At the prompt, select **OK** to safely unmount the memory card.
4. Remove the SD card from the slot. For more information, refer to “*Removing a Memory Card*” on page 12.

Note: Unmounting an SD card will stop some applications from functioning. Applications may not be available until you mount the SD card again.

Formatting an SD Card

When formatting an SD card you will want to backup your music and photo files that are stored on the card because formatting the SD card deletes all the stored data.

1. From a Home screen, touch  **Settings → Storage**.
2. Touch **Format SD card** and then touch **Format SD card** again on the warning screen.
3. Touch **Delete all**.

Power Saving Mode

When enabled, your device automatically analyzes the screen and adjusts the brightness to conserve battery power.

1. From a Home screen, touch  **Settings → Power saving mode**.
2. On the Power saving tab, touch the **OFF / ON** icon  to turn Power saving on or off.
3. Turn Power saving on and touch the Power saving mode settings (**CPU power saving**, **Screen power saving**, **Turn off haptic feedback**) to enable or disable them.
4. Touch **Learn about Power saving mode** to display more information about saving power mode.

Battery

See how much battery power is used for device activities.

1. From a Home screen, touch  **Settings → Battery**.
The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.
2. Touch **Screen**, **Android OS**, or **Android System** to view how the display and the Android system are affecting battery use.

Note: Other applications may be running that affect battery use.

Application Manager

You can download and install applications from Google Play or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

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

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From a Home screen, touch  **Apps** →  **Settings** → **Application manager**.
2. Touch **Downloaded**, **Running** or **All** to display memory usage for that category of applications.
The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From a Home screen, touch  **Settings** → **Application manager**.
2. Touch **Downloaded** to view a list of all the downloaded applications on your device.

3. To switch the order of the lists displayed in the Downloaded tabs, touch  **Menu** → **Sort by size** or **Sort by name**.
4. Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

The following options are displayed:

- **Force stop:** Stops an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.
- **Uninstall:** Deletes the application from the tablet.
For more information, refer to “*Uninstalling an App*” on page 89.
- **Clear data:** Clears application data from memory.
- **Clear cache:** If the app stores data in a temporary area of the device's memory, and the amount of information stored is displayed, touch this button to clearing the temporary storage.
- **Clear defaults:** If you have configured an app to launch certain file types by default, clear that setting.
- **Permissions:** Lists the kinds of information about your device and data to which the app has access.

5. Touch  **Menu** →  **Reset app preferences** to reset preferences set for disabled apps, disabled app notifications, default apps and background data restrictions for apps.

Running Services

View and control services running on your device.

1. From a Home screen, touch  **Settings** → **Application manager**.

2. Touch the **Running** tab.

All the applications that are currently running on the device display.

3. Touch **Show cached processes** to display all the cached processes that are running. Touch **Show services in use** to switch back.
4. Touch one of the applications to view application information.

The following options display:

- **Stop:** Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

- **Report:** Report failure and other application information.
-

Note: Options vary by application.

Location Services

In order to guard your privacy, by default, your device only acquires your location when you allow it. To use Location-Based Services, you must first enable location services on your device.

Use Wireless Networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Use wireless networks option or enable the GPS satellites.

1. From a Home screen, touch  **Settings** → **Location services**.

2. Touch **Use wireless networks** to enable location information using the wireless network. When enabled, a check mark  appears in the check box.

Use GPS Satellites

1. From a Home screen, touch  **Settings → Location services**. When enabled, a check mark  appears in the check box.
2. Touch **Use GPS satellites** to enable the GPS satellite.

Location and Google Search

1. From a Home screen, touch  **Settings → Location services**.
2. Touch **Location and Google search** to use your location data for improved Google Search results and other Google services. When enabled, a check mark  appears in the check box.

Lock Screen

Screen Lock

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *“Locking and Unlocking the Touch Screen”* on page 13.

1. From a Home screen, touch  **Settings → Lock screen**.
2. Touch **Screen lock** for these settings:
 - **Swipe**: Swipe the screen to unlock it.
 - **Face unlock**: Look at your tablet to unlock it. Follow the on-screen instructions to set up Face unlock.
 - **Face and voice**: Look at your tablet and speak a phrase to unlock it. Follow the on-screen instructions to set up Face and voice unlock.
 - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
 - **PIN**: Select a PIN to use for unlocking the screen.
 - **Password**: Create a password for unlocking the screen.
 - **None**: No pattern, PIN, or password is required.

Note: Additional options are available only if you set **Screen lock** to display the lock screen (any setting other than **Swipe** or **None**).

Lock Screen Options

You can customize the Lock screen with the lock screen options.

1. From a Home screen, touch  **Settings → Lock screen**.
2. Touch **Lock screen options** and set the following options:
 - **Shortcuts:** Touch the **OFF / ON** icon  to turn this option on or off. Touch **Shortcuts** to add up to four application shortcuts to the lock screen.
 - **Information ticker:** Touch the **OFF / ON** icon  to turn this option on or off. Set news or stock information ticker on the lock screen. This option requires a Wi-Fi connection.
 - **Clock:** Activate or deactivate the Lock screen clock. When enabled, a check mark  appears in the check box.
 - **Dual Clock:** Touch the **OFF / ON** icon  to turn this option on or off, which causes dual clock to be displayed on the lock screen when roaming.
 - **Weather:** Touch the **OFF / ON** icon  to turn this option on or off, which causes weather information to be displayed on the lock screen. This option requires a Wi-Fi connection.

- **Ripple effect:** Shows a ripple effect on the lock screen. When enabled, a check mark  appears in the check box.
- **Ink effect:** Shows the ink effect on the lock screen.
- **Help text:** Display help text on the lock screen. When enabled, a check mark  appears in the check box.
- **Wake up in lock screen:** Unlock the screen using wake-up command when swipe or motion lock is enabled.
- **Set wake-up command:** Set the wake-up command if **Wake up in lock screen** is enabled.

Popup Note on Lock Screen

Use this option to display Popup Note on the lock screen.

1. From a Home screen, touch  **Settings → Lock screen**.
2. Touch **Popup Note on lock screen**.
When enabled, a check mark  appears in the check box.

Owner Information

Use this option to enable or disable whether to show owner information on the lock screen.

1. From a Home screen, touch  **Settings → Lock screen**.

2. Touch **Owner information** and then touch **Show owner info on lock screen** to enable or disable the option.
3. Touch the text field and use the keyboard to enter the text to display on the lock screen.

Security

Encryption

To require a numeric PIN or password to decrypt your tablet each time you power it on or encrypt the data on your SD card each time it is connected:

1. From a Home screen, touch  **Settings → Security**.
2. Touch **Encrypt device**. For more information, read the displayed help screen.
3. Touch **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption takes an hour or more.

Set up/change password

Use this option to set up your password when one is first required or change your current password.

1. From a Home screen, touch  **Settings → Security → Set up/change password**.
2. Enter a new password and tap **Confirm**.
3. Enter the new password again and tap **Confirm**.

Set up SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your tablet will ask for a PIN number each time you use the tablet. Using this option you can also change your SIM PIN number.

1. From a Home screen, touch  **Settings → Security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

4. Tap **Change SIM PIN**.
5. Enter your old SIM PIN code and tap **OK**.
6. Enter your new SIM PIN code and tap **OK**.
7. Re-type your new SIM PIN code and tap **OK**.

Make passwords visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From a Home screen, touch  **Settings → Security**.
2. Touch **Make passwords visible** to enable or disable brief displays of password characters.

When enabled, a check mark  appears in the check box.

Device Administrators

To add or remove device administrators:

1. From a Home screen, touch  **Settings → Security**.
2. Touch **Device administrators**.

Unknown Sources

To enable or disable installation of non-Google Play applications:

1. From a Home screen, touch  **Settings → Security**.

2. Touch **Unknown sources**.

An informational pop-up displays.

3. Read the message and touch **OK** to allow installation of non-Google Play applications.

When enabled, a check mark  appears in the check box.

Warning! Enabling this option causes your tablet and personal data to be more vulnerable to attack by applications from unknown sources.

Trusted Credentials

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, touch  **Settings → Security**.
2. Touch **Trusted credentials**.

The trusted credentials screen has two tabs:

- **System:** Displays CA certificates that are permanently installed in the ROM of your device.

- **User:** Displays any CA certificates that you installed, for example, in the process of installing a client certificate.

3. Touch a CA certificate to examine its details.

A scrolling screen displays the details.

4. Scroll to the bottom of the details screen and touch **Disable** to disable a System certificate or **Remove** to remove a User certificate.

Caution! When you disable a system CA certificate, the **Disable** button changes to **Enable**, so you can enable the certificate again, if necessary. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

5. Touch **OK** to return to the certificate list.

When enabled, a check mark  appears in the check box.

Install from Device Storage

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From a Home screen, touch  **Settings → Security**.
2. Touch **Install from device storage**, then choose a certificate and follow the prompts to install.

Clear Credentials

Clear stored credentials.

Note: This setting only appears if you have installed encrypted certificates.

1. From a Home screen, touch  **Settings → Security**.
2. Touch **Clear credentials** to remove all certificates.

Language and Input

Language

Set the language used by your device.

1. From a Home screen, touch  **Settings → Language and input → Language**.

2. Touch a language / locale from the list.

Keyboards and Input Methods

Set the keyboard used by your device.

1. From a Home screen, touch  **Settings** → **Language and input**.
2. Touch **Default** and select a keyboard.
Samsung keyboard is the only selection available for this device.
3. Touch **Set up input methods**.
4. Touch **Google voice typing** to automatically use Google voice typing.
5. Touch  next to Google voice typing.

The following options are available:

- **Choose input languages:** Touch **Automatic** to use the local language or select a language from the list.
- **Block offensive words:** Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
When enabled, a check mark  appears in the check box.

- **Download offline speech recognition:** Enable voice input while offline. Touch the **All** tab to download speech recognition for other languages.

Samsung Keyboard Settings

To configure the Samsung keyboard:

- Touch  next to Samsung keyboard to display the following options:
 - **Input languages:** Used to set a default text entry language. Touch this field, scroll through the options, and touch the desired input language. When activated, a check appears in the box.
 - **Predictive text:** Enable or disable XT9 predictive text. When enabled the system suggests words matching your text entries, and, optionally, completes common words automatically. When XT9 is enabled, touch the **Predictive text** field to set the following options:
 - **Personalized data:** Enter personalized data to improve prediction results.
 - **Learn from Gmail:** Log in to let your device learn your Gmail Style.

- **Learn from Facebook:** Log in to let your device learn your Facebook Style.
- **Learn from Twitter:** Log in to let your device learn your Twitter Style.
- **Clear remote data:** Delete your anonymous data stored on the personalization server.
- **Clear personalized data:** Remove all personalized data entered.
- **Continuous input:** Enable or disable the Continuous input feature. When enabled, you can enter text by sliding your finger across the keyboard.
- **Cursor control:** Move cursor by sliding finger across keyboard.
- **Pen detection** displays the handwriting pad whenever the pen is detected.
- **Handwriting:** Touch to display the following options:
 - **Recognition type:** sets the istroke recognition for the content.
 - **Recognition time:** Set the recognition time to 100, 300, 500, 1000, or 2000 milliseconds.
 - **Pen thickness:** Set the pen thickness to 1, 3, 5, 7, or 9 pixels.
 - **Pen color:** Choose a pen color.
 - **Gesture guide:** Displays examples of the various gestures that can be used to edit handwriting.
 - **Tutorial:** Help for using Handwriting recognition.
 - **About:** Displays information about the handwriting software.
- **Advanced** displays the following advanced options:
 - **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).
 - **Auto spacing:** automatically inserts spaces between words.
 - **Auto-punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.
 - **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
 - **Key-tap vibration** enables vibration feedback when you tap an on-screen key.
 - **Key-tap sound** enables auditory feedback when you tap an on-screen key.
- **Tutorial:** Displays help for using the Samsung keyboard and XT9 predictive text.

- **Reset settings:** Reset keyboard settings except XT9 my words and auto-substitution.

Swype Keyboard Settings

To configure the Swype keyboard:

1. Touch  next to Swype to display the following options:
2. Tap **Settings** on the left side of the screen to alter these settings:
 - **Vibrate on keypress:** activates a vibration sensation as you enter text using the keypad.
 - **Sound on keypress:** turns on sounds generated by the Swype application.
 - **Show complete trace:** once enabled, sets whether or not to display the complete Swype path.
 - **Auto-capitalization:** automatically capitalizes the first letter of a sentence.
 - **Auto-spacing:** automatically inserts a space between words. When you finish a word, just lift your finger or stylus and start the next word.
 - **Next word prediction:** once enabled, predicts the next word in your text string based on your current text entries.

- **Show Voice key:** once enabled, displays the Voice icon on your Swype keyboard so you can use the Voice input option.
3. Tap **My Words** on the left side of the screen to access the following options:
 - **Backup & Sync:** allows you to backup your Swype dictionary and sync your Swype dictionary across multiple devices.
 - **Living Language:** when enabled, this feature automatically updates your Swype dictionary with popular new words.
 - **Social integration:** allows you to learn information from your Facebook, Twitter, and Gmail accounts to help you while using Swype.
 - **Edit my dictionary:** allows you to edit your personal Swype dictionary.
 - **Clear language data:** deletes all of your personal language data, including your words.
 - **Contribute data usage:** when enabled, allows the Nuance® application to collect usage data for better word predictions.
 - **Cellular data:** when enabled, activates cellular data usage by the Swype application so it can receive program updates, language downloads, and other related features via your existing data connection.

4. Tap **Languages** on the left side of the screen to activate and select the current text input language. Default language is English. Touch **Download languages**, to download additional languages.
5. Tap **Gestures** on the left side of the screen to view helpful information on using gestures while using Swype.
6. Tap **Help** on the left side of the screen to see the following options:
 - **How to Swype**: provides tips on how to learn to use Swype.
 - **Show helpful tips**: once enabled, displays helpful tips and hints as you are using Swype.
 - **Version**: displays the software version information.
7. Tap **Updates** on the left side of the screen to download any new Swype updates. If an update is available, it will display under the updates heading. If no updates are displayed, then check back later to see any available updates.

Speech Settings

To set the speech settings for Voice search:

1. From a Home screen, touch  **Settings → Language and input**.
2. Touch **Voice search** to configure:
 - **Language**: Choose a language for your voice input.
 - **Speech output**: Always provides audible readout of text, or only when using Hands-free functions.
 - **Block offensive words**: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
 - **Hotword detection**: When enabled, saying the word Google launches voice search.
 - **Download offline speech recognition**: Enable voice input while offline. Touch the **All** tab to download speech recognition for other languages.

Voice output provides audible readout of text, for example, the contents of email messages.

1. From a Home screen, touch  **Settings → Language and input**.

2. Touch **Text-to-speech output** and select the preferred TTS engine.
3. Touch  next to the preferred TTS engine and configure.
4. Configure the following:
 - **Speech rate:** Set the speed at which the text is spoken.
 - **Listen to an example:** Play a sample of speech synthesis (available if voice data is installed).
 - **Driving mode:** New notifications are read aloud when enabled. Touch the **OFF / ON** icon  to enable, then touch **Driving mode** to display the Driving mode settings: New emails, Alarm, Schedule, and Unlock screen.

Mouse/trackpad

This option sets your Pointer speed for your mouse or trackpad when you are using a keyboard dock accessory.

1. From a Home screen, touch  **Settings → Language and input**.
2. Touch **Pointer speed** then drag the slider to the right to go faster or to the left to go slower.
3. Touch **OK** to save your setting.

Cloud

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

1. From a Home screen, touch  **Settings → Cloud**.
2. Under **Personal data management**:

If you have not signed in to your Samsung Account, touch **Add account**. For more information about Samsung accounts, see “*Signing In to your Samsung Account*” on page 147.

If you have signed in to your Samsung Account:

- Touch your Samsung Account to manage your sync settings or remove your Samsung Account.
- Touch **Sync settings** to sync your calendar, contacts, Internet, and S Note settings with your Samsung Account.
- Touch **Device backup** to manage your back up and restore options.

Back Up and Reset

You can also back up your data to the Google server and reset your device to its factory defaults.

Backup and Restore

Back Up My Data

Enable or disable backup of your information to the Google server.

1. From a Home screen, touch  **Settings → Backup and reset**.
2. Touch **Back up my data** to enable or disable back up of application data, Wi-Fi passwords, and other settings to the Google server.

Backup Account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

1. From a Home screen, touch  **Settings → Backup and reset**.
2. Touch **Backup account** and touch your Google Gmail account or touch **Add account** to set your Google Gmail account to be backed up to the Google server.

Automatic Restore

When enabled, backed-up settings are restored when you reinstall an application.

1. From a Home screen, touch  **Settings → Backup and reset**.
2. Touch **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Personal Data

Factory Data Reset

Use Factory data reset to return your device to its factory defaults. This setting erases all data from the device, including Google or other email account settings, system and application data and settings, and downloaded applications, as well as your music, photos, videos, and other files. If you reset the tablet in this way, the next time you turn on your tablet you are prompted to reenter the same kind of information as when you first started Android.

1. From a Home screen, touch  **Settings → Backup and reset**.
2. Touch **Factory data reset**.

The Factory data reset screen displays reset information.

3. Touch **Reset device**, then follow the prompts to perform the reset.

Note: If you have set up your Samsung account, it has to be deleted before performing this function. For more information, refer to “*Managing Accounts*” on page 146.

Accounts

Set up and manage accounts, including your Google accounts, Samsung accounts, and email accounts.

Your device provides the ability to synchronize information from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

With synchronization, you can ensure that the information on your device is updated with any information that changes in your accounts.

Managing Accounts

To view the accounts you have added:

1. From a Home screen, touch  **Settings** → (account).

The (account) is either Google, Samsung account, or some other account you have added, such as Email.

Each of your accounts (Google, Samsung, and so on) are listed under **Accounts**.

2. Touch **Sync all** to synchronize all accounts listed. Touch **Cancel sync** to stop the synchronization.
3. Touch an account to view the sync settings for that account.
 - Touch **Sync now** to synchronize all data for the selected account.
 - or –
 - Touch the account data to synchronize, such as, Calendar, Contacts, and so on.
 - To remove the account, touch **Remove account** and then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.
4. For Google accounts, touch one of the items listed under Privacy to view various settings for that item.
 - or –

For Samsung accounts, touch **Account settings** to manage Samsung account settings or **Device backup** to set Samsung account back up and restore options.

– or –

For Email accounts, touch **Settings** to manage various settings for that account.

Adding an Account

To add a new account:

1. From a Home screen, touch  **Settings → Add account**.
2. Touch one of the account types.
3. Use the keyboard and follow the prompts to enter your credentials and set up the account.

Tip: For more information about the types of accounts that you can add, see “Accounts” on page 34.

Signing In to your Samsung Account

Several applications and options require that you create and sign in to a Samsung Account.

To sign in to your Samsung account:

1. From a Home screen, touch  **Settings → Add account**.
 2. Touch  **Samsung account**.
The Samsung account sign in screen displays.
 3. Touch **variety of services** to display information about Samsung services that are available.
 4. If you have no Samsung account:
 - Touch **Create new account**.
The Country or region list displays.
 - Touch a country or region in the list (for example, United States).
The Samsung account Terms and conditions screen displays.
 - Touch **Privacy policy** to display the Samsung Privacy Policy.
 - Touch **I accept all the terms above** and then touch **Agree** to continue or touch  **Back** to return to the Samsung account screen.
- or –
- If you do have a Samsung account, touch **Sign in**.
The Samsung account screen displays.

5. Use the keyboard to enter the required information and touch **Sign up** or **Sign in**.

Tip: The password is for your Samsung account, not the password you use for the email address you are entering. Plus, you can use only letters, numbers, !, @, \$, %, &, ^, and * for your Samsung account password.

The Settings screen displays with Samsung account listed under Accounts.

Motion

It is possible to control certain aspects of your tablet by simply tilting it. You can tilt your tablet to reduce or enlarge the screen. You can move an icon from one Home page to another by panning your device to the left or right while holding the icon.

1. From a Home screen, touch  **Settings → Motion**.
2. The following options are available:
 - Touch the **OFF / ON** icon  to activate each option.

- **Palm swipe to capture:** Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe from left to right. The image is then copied to the clipboard.
- **Palm touch to mute/pause:** Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.
- **Learn about hand motions:** Choose this option to display on-screen instructions for the **Palm swipe to capture** and **Palm touch to mute/pause**.

S Pen

Pen Attach/Detach Sound

To set the sound that is made when the pen is attached or detached from your tablet:

1. From a Home screen, touch  **Settings → S Pen**.
2. Touch **Pen attach/detach sound**.
3. Touch **Off**, **Sound1**, **Sound2**, or **Sound3**.

If a sound is chosen, a sound example plays.

Open Popup Note

When the S Pen is detached, a Popup note displays.

When enabled, a check mark  appears in the check box.

Battery Saving

To extend battery life when the pen is attached:

1. From a Home screen, touch  **Settings** → **S Pen**.
2. Touch **Battery saving**.

When enabled, a check mark  appears in the check box and, when the pen is attached, your tablet does not try to detect it.

Air View

To enable the air view pointer when using the S Pen:

1. From a Home screen, touch  **Settings** → **S Pen**.
2. Touch the **OFF / ON** icon  next to **Air view** to activate the option.
3. When enabled, touch **Air view** to enable the Pointer, Information preview, Icon labels (by pen nib), and List scrolling options. When enabled, a check mark  appears in the check box next to the option.

Sound and Haptic Feedback

To enable or disable sound and vibration when using the S Pen:

1. From a Home screen, touch  **Settings** → **S Pen**.
2. Touch **Sound and haptic feedback**.

When enabled, a check mark  appears in the check box.

Quick Command Settings

To create pen gestures to open selected applications or perform tasks:

1. From a Home screen, touch  **Settings** → **S Pen**.
2. Touch **Quick Command settings**.

The Quick Command settings screens displays existing gestures.

3. Touch  **Add a command** to set up a new gesture.

S Pen Help

To view S Pen help information:

1. From a Home screen, touch  **Settings** → **S Pen**.
2. Touch **S Pen help**.

3. Touch **Air view**, **Gesture**, or **Quick Command** to view the help information.

Accessory

This menu allows you to select the Dock sound, Audio output mode, and Audio output options when using a car or desk dock.

Dock

1. From a Home screen, touch  **Settings** → **Accessory**.
2. **Dock sound:** The tablet will not play sounds when inserting and removing the device from the dock when enabled.
When enabled, a check mark  appears in the check box.
3. **Audio output mode:** Select Stereo or Surround to choose the audio output mode while the device is docked.
When enabled, a check mark  appears in the check box.

HDMI

To set the HDMI (High-Definition Multimedia Interface) audio setting:

1. From a Home screen, touch  **Settings** → **Accessory**.
2. Touch **Audio output**.
3. Touch **Stereo** or **Surround** to set the audio output setting.

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 & time settings.

1. From a Home screen, touch  **Settings** → **Date and time**.
2. Tap **Automatic date and time** to allow the network to set the date and time.
3. Tap **Automatic time zone** to allow the network to set the time zone.

Important! Deactivate **Automatic date and time** to manually set the rest of the options.

4. Tap **Set date** and tap the up and down arrows to set the **Month, Day, and Year** then tap **Set**.
5. Tap **Set time** and tap the up and down arrows to set the **Hour, Minute, and PM/AM**, then tap **Set**.
6. Tap **Select time zone**, then tap a time zone.
7. Optional: Tap **Use 24-hour format**. If this is not selected the tablet automatically uses a 12-hour format.
8. Tap **Select date format** and tap the date format type.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from Google Play and manage their use here.

System Accessibility

1. From a Home screen, touch  **Settings** → **Accessibility**.

2. Configure the following settings:
 - **Auto-rotate screen:** When this option is checked, the screen orientation changes when you rotate the device. When this option is not checked, the screen orientation locks in the current orientation (landscape or portrait) and the orientation does not change when you rotate the device.

Tip: Touch the Time in the System Bar to display the Quick Settings pop-up. Touch **Screen rotation** to enable or disable the auto-rotate feature. For more information, refer to “*Quick Settings*” on page 23.

- **Screen timeout:** Select the screen delay time the screen delays shutting off after inactivity for the selected period of time.

Note: The Lock automatically option only appears depending on the Screen lock setting. For more information, refer to “*Screen Lock*” on page 135.

- **Speak passwords:** Speaks passwords to enter them.

- **Accessibility shortcut:** Add a shortcut to Accessibility settings that displays when you press and hold the Power key.

Services Accessibility

Enable or disable accessibility services.

Note: You must activate **Accessibility** before enabling services.

1. From a Home screen, touch  **Settings** → **Accessibility**.
2. Touch **TalkBack** to activate TalkBack.

Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

3. Touch the **OFF / ON** icon  to turn TalkBack on.
4. Touch **Settings** to configure TalkBack.

Important! TalkBack 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.

Vision Accessibility

To set the font size:

1. From a Home screen, touch  **Settings** → **Accessibility**.
2. Touch **Font size**.
3. Touch a font size. Options are: Tiny, Small, Normal, Large, and Huge.

To set negative screen colors:

1. From a Home screen, touch  **Settings** → **Accessibility**.
2. Touch **Negative colors**.

When enabled, a check mark  appears in the check box.

To set voice output settings:

1. From a Home screen, touch  **Settings** → **Accessibility**.
2. Touch **Text-to-speech output** and select the preferred TTS engine. For more information, refer to “*Speech Settings*” on page 143.

To install accessibility scripts:

1. From a Home screen, touch  **Settings** → **Accessibility**.
2. Touch **Enhance web accessibility**.
3. Touch **Allow** to allow applications to install scripts from Google that make their Web content more accessible.

Hearing Accessibility

When Mono audio is enabled, you can listen through one earphone to mono audio sound.

1. From a Home screen, touch  **Settings** → **Accessibility**.
2. Tap the **Sound balance** field and use the slider to set the Left and Right balance when using a stereo device.
Touch **OK** to save or **Cancel** to discard.
3. Touch **Mono audio**.
When enabled, a check mark  appears in the check box.

To turn off all sounds including receiver voice:

1. From a Home screen, touch  **Settings** → **Accessibility**.
2. Touch **Turn off all sounds**.

When enabled, a check mark  appears in the check box.

Mobility Accessibility

This option allows you to set the Tap and hold delay time.

1. From a Home screen, touch  **Settings** → **Accessibility**.
2. Touch **Tap and hold delay**, and then touch a delay time.
Options are: Short, Medium, and Long.

Developer Options

Set options for application development.

1. From a Home screen, touch  **Settings** → **Developer options**.
2. Touch the **OFF / ON** icon  at the top of the screen to activate developer options.

Caution! These settings are intended for development use only. They can cause errors to occur on your device and with the applications on your device.

The following options are available:

- **Desktop backup password:** Protect the desktop with a backup password ID.
- **Stay awake:** The display screen does not go into sleep mode while charging.
- **Protect SD card:** Requires apps to ask your permission before accessing data on your SD card.
- **USB debugging:** When enabled, allows debugging when the device is attached to a PC by a USB cable.
- **Allow Mock Locations:** Used by developers when developing location-based applications.
- **Select app to be debugged:** Allows developers to select a specific application to debug.
- **Wait for debugger:** Specified apps must have debugger attached before executing.
- **Show touches:** Displays touch interactions on the screen.
- **Show pointer location:** Highlights the data that was touched on the screen.
- **Show layout boundaries:** Displays clip bounds, margins, and so on.
- **Show GPU view updates:** Flashes views inside windows when drawn with GPU.
- **Show screen updates:** Areas of the screen flash when they update.
- **Window animation scale:** Configure the scale for animation (ranges from off to 10x).
- **Transition animation scale:** Configure the scale for transitioning when using animation (ranges from off to 10x).
- **Animator duration scale:** Configure the scale for duration when using animation (ranges from off to 10x).
- **Disable hardware overlays:** Assigns the work of rendering to the GPU.
- **Force GPU rendering:** Allows the use of 2D hardware accelerations in applications.
- **Strict mode:** Makes the screen flash when applications perform long operations on the main thread.
- **Show CPU usage:** Screen highlights the current CPU usage.
- **GPU rendering profile:** Uses a 2D acceleration in applications.
- **Enable traces:** Enables/disables on-screen tracing based on an available parameter.

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

About Device

View information about your device, including status, legal information, hardware and software versions, and battery use.

1. From a Home screen, touch  **Settings** → **About device**.
2. Touch items to view details:
 - **Software update:** Connect to the network and download new software. For more information, refer to “*Software Update*” on page 155.
 - **Status:** View Battery status, Battery level, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.
 - **Legal information:** Display **Open source licenses**, **Google legal**, **Privacy Alert** and **License settings** information.

Tip: To find your device’s DivX® registration code and information about registering your device to play DivX protected video, touch **License settings** → **DivX® VOD**.

- **Model number:** Display your device’s model number.
- **Android version:** Display the firmware version of your device.
- **Baseband version:** displays the baseband version loaded on this handset.
- **Kernel version:** Display the kernel version of your device.
- **Build number:** Display your device’s build number.

Software Update

The Software Update feature enables you to use your device to connect to the network and download any new software directly to your device. The device automatically updates with the latest available software when you access this option.

Software Update Options

To register your device and check for a software update:

1. From a Home screen, touch  **Settings** → **About device** → **Software update**.
2. Touch **Check for updates**.

3. At the **AT&T Software update** prompt, tap **OK** to continue.
4. The tablet automatically updates the software (if available), otherwise, when the **Current software is up to date** prompt is displayed, tap **OK**.
5. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, tap **Continue update**.

Section 11: Health and Safety Information

This device is capable of operating in Wi-Fi mode in the 2.4 and 5 GHz bands. The FCC requires that devices operating within 5.15-5.25 GHz may only be used indoors, not outside, in order to avoid interference with Mobile Satellite Services (MSS). Therefore, do not use this device outside as a Wi-Fi hotspot or in Wi-Fi Direct mode outside when using the 5.15-5.25 GHz band.

This section outlines the safety precautions associated with using your Galaxy Tab. The terms “GALAXY” or “mobile device” are used in this section to refer to your Galaxy Tab.

Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Signals

Although GALAXY is not a cell phone, it can operate on the same network as cell phones and can use the same Radio Frequency (RF) signals to communicate with the network as a cell phone. Therefore, although the following information refers specifically to RF exposure from wireless phones, it may apply similarly to GALAXY when it is being used on a cell phone network.

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by

mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules.

Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at

http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at

<http://www.ukcosmos.org/index.html>.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at

http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at

<http://seer.cancer.gov/>.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.

- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.
- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

Specific Absorption Rate (SAR) Certification Information

Your wireless mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless devices to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the mobile device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be well below the maximum reported value. This is because the mobile device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the mobile device.

Before a new model mobile device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model mobile device are performed in positions and locations (e.g. near the body) as required by the FCC.

For typical operations, this mobile device has been tested and meets FCC SAR guidelines.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This tablet has a FCC ID number: A3LSGHI467 [Model Number: SGH-I467] and the specific SAR levels for this tablet can be found at the following FCC website:

<http://www.fcc.gov/oet/ea/>.

The SAR information for this device can also be found on Samsung's website:

<http://www.samsung.com/sar>.

SAR information on this and other model mobile devices can be accessed online on the FCC's website through <http://transition.fcc.gov/oet/rfsafety/sar.html>. To find information that pertains to a particular model mobile device, this site uses the mobile device FCC ID number, which is usually printed somewhere on the case of the mobile device.

Once you have the FCC ID number for a particular mobile device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular mobile device. Additional SAR information can also be

obtained at

<http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones>.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules.

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving

On the Road - Off the Tablet

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or using a mobile device - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes**

impaired. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before using your device to chat with friends, consider your circumstances. Let the chat wait when driving conditions require. Remember, driving comes first, nothing else!

If you consider a chat necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your mobile device within easy reach;
- Chat when you are not moving;
- Plan chats when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the chat if necessary;
- Do not take notes or look up information while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as Web browsing or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to <http://www.ctia.org>.

Battery Use and Safety

The battery in GALAXY is not intended to be replaced by the consumer. If you believe the battery is damaged or needs to be replaced, take the GALAXY to a service center for inspection and replacement.

- **Do not let the GALAXY or battery come in contact with liquids.** Liquids can get into the GALAXY's circuits, leading to corrosion. Even when the GALAXY appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the GALAXY and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source.** Excessive heating can damage the GALAXY or the battery and could cause the GALAXY or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your GALAXY in your car in high temperatures.
- **Do not dispose of the GALAXY or the battery in a fire.** The GALAXY or the battery may explode when overheated.
- **Avoid dropping the GALAXY.** Dropping the GALAXY, especially on a hard surface, can potentially cause damage to the GALAXY. If you suspect damage to the GALAXY or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your GALAXY.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the GALAXY caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible batteries and chargers.** Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible batteries and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

For more information about recycling your GALAXY, go to: <http://mobile.samsungusa.com/recycling/index.jsp> or call 1-800-822-8837 for more information.

To find the nearest recycling location, go to: www.samsung.com/recyclingdirect or call 1-877-278-0799.

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this mobile device has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

GPS

GALAXY can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over

time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Communication

GALAXY should not be relied upon for essential communications (medical emergencies, calls to 911, or communications to emergency services). GALAXY is not designed or intended to be used for such communications. Voice Over Internet Protocol (VOIP) services which may be used on GALAXY to make phone calls do not support 911 calls and are only intended for talking with friends.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.

If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and Dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft

cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations.

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to

permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices).

Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.

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

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet:

<http://www.audiology.org/Pages/default.aspx>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:

<http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH

(1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:

<http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;

- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

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

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately, if applicable (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or use services that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with

the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved by the manufacturer could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers.

The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device. Faulty service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment used in your vehicle are securely mounted.

- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of network services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 12: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG ELECTRONICS AMERICA, INC. ("SAMSUNG") warrants that SAMSUNG's devices and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Tablet	1 Year
Batteries (Including Internal Batteries)	1 Year
Case	90 Days
Other Tablet Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of Product by Purchaser.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG Tablet for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, without charge to Purchaser, or at SAMSUNG's sole option, refund the purchase price.

SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period

equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. This Limited Warranty is extended to the Purchaser and is not transferable or assignable to any other person or entity.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, Purchaser must return the Product to an authorized Tablet service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-800-SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

Purchaser should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY.

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Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The

arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees.

Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting

out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Electronics America, Inc.

85 Challenger Road

Ridgefield Park, New Jersey 07660

Phone: 1-800-SAMSUNG

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[101212]

Section 13: Samsung Product Registration

Sign Up Now

Customize your Samsung device experience

- Activate product warranty
- Access to a personalized My Samsung Mobile account
 - No monthly fees

Get More

- Latest info on promotions, events and special offers on related products
 - Review Samsung products and share your opinion
 - Great deals on downloads



Register now at
www.samsung.com/register

Scan this code to go
directly to the registration page.

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