

Video Player

Use this application to play video files.

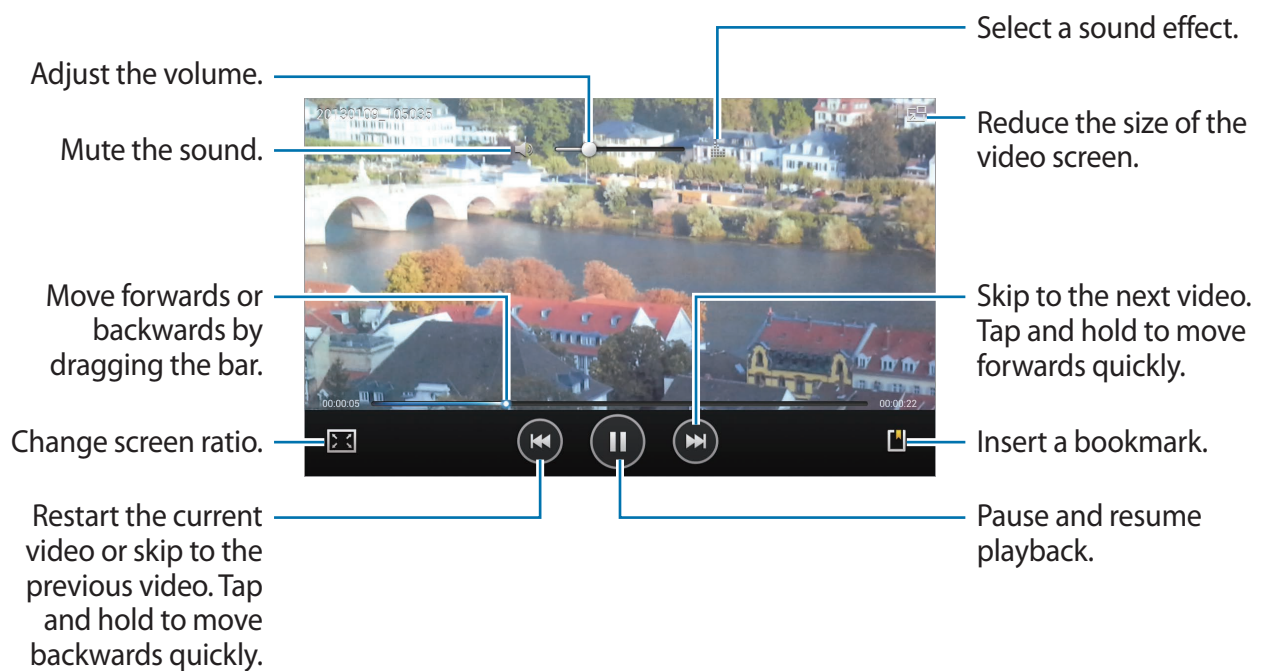
Tap **Video Player** on the Applications screen.



- Avoid locking the device's screen while playing a DivX Video-On-Demand. Each time you lock the screen while playing a DivX Video-On-Demand, one of your available rental counts is lost.
- Some file formats are not supported depending on the device's software.
- Some files may not play properly depending on how they are encoded.

Playing videos

Select a video to play.



Deleting videos

Tap  → **Delete**, select videos by ticking, and then tap **Delete**.

Sharing videos

Tap  → **Share via**, select a sharing method, select videos by ticking, and then tap **Share**.

Using Popup Video player

Use this feature to use other applications without closing the video player. While watching videos, tap  to use the pop-up player.

Spread two fingers apart on the screen to enlarge the player or pinch to reduce it. To move the player, drag the player to another location.

YouTube

Use this application to watch videos from the YouTube website.

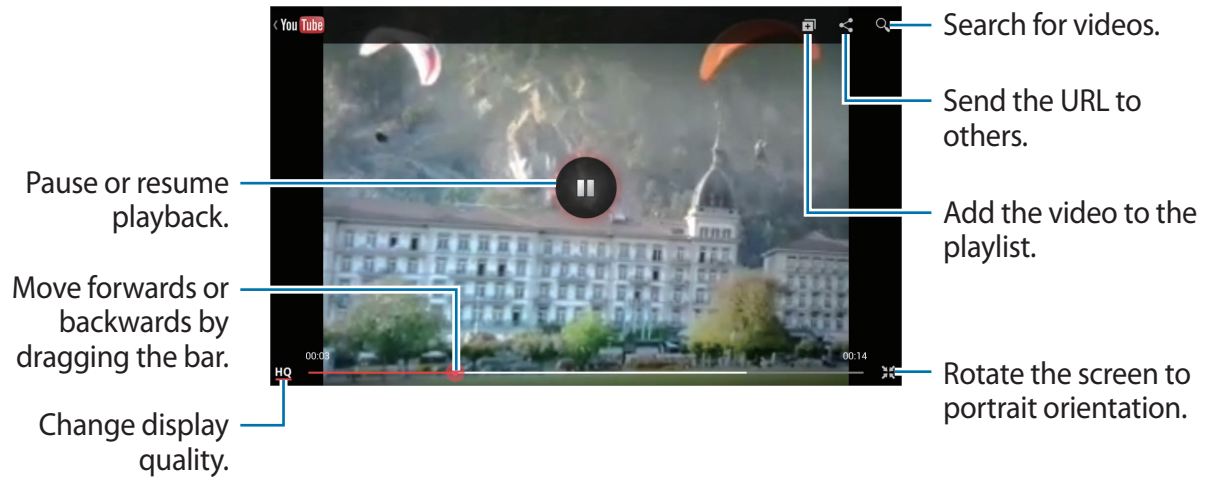
Tap **YouTube** on the Applications screen.



This application may not be available depending on the region or service provider.

Watching videos

Tap , and then enter a keyword. Select one of the returned search results to watch a video. Rotate the device to landscape orientation to display full screen.



Sharing videos

Select the video to view, tap , and then select a sharing method.

Uploading videos

Select your account, tap , select a video, enter information for the video, and then tap **UPLOAD**.

Flipboard

Use this application to access your personalised magazines.

Tap **Flipboard** on the Applications screen.



This application may not be available depending on the region or service provider.

To start your Flipboard, flick left on the greeting page, tap **Get Started**, select news topics, and then tap **Build Your Flipboard**.

Select a cover story or a topic, flick through the Flipboard pages, and then select an article to read.

While reading an article, use the following icons:

- ◀ : Go to the previous page.
- 💬 : View others' comments about the article.
- ➦ : Share the article via Twitter.
- ➦ : Share the article with others.
- ☆ : Add the article to the favourites list in Twitter.

Application & media stores

Play Store

Use this application to purchase and download applications and games that are able to run on the device.

Tap **Play Store** on the Applications screen.



This application may not be available depending on the region or service provider.

Installing applications

Browse applications by category, or tap  to search with a keyword.

Select an application to view information. To download it, tap **Install**. If there is a charge for the application, tap the price, and follow on-screen instructions to complete the purchase process.



- When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update. Open the notifications panel and tap the icon to update the application.
- To install applications that you downloaded from other sources, on the Applications screen, tap **Settings** → **Security** → **Unknown sources**.

Uninstalling applications

Uninstall the applications purchased from **Play Store**.

Tap , select an application to delete in the list of installed applications, and then tap **Uninstall**.

Samsung Apps

Use this application to purchase and download dedicated Samsung applications. For more information, visit www.samsungapps.com.

Tap **Samsung Apps** on the Applications screen.



This application may not be available depending on the region or service provider.

Installing applications

Browse applications by category. Tap  to select a category.

To search for an application, tap  at the top of the screen, and then enter a keyword in the search field.

Select an application to view information. To download it, tap **Get** or **Buy**.



When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update. Open the notifications panel and tap the icon to update the application.

Game Hub

Use this application to access games.

Tap **Game Hub** on the Applications screen.



This application may not be available depending on the region or service provider.

Scroll left or right and select a game to download from **Samsung Apps**.

Music Hub

Use this application to play music and purchase songs or albums from the Music Hub catalogue.

Subscribe to the Music Hub premium service to:

- sync your personal music collection to the cloud storage server,
- stream full-length songs from the Music Hub catalogue,
- discover music by receiving customised recommendations, and
- listen to your personal radio

To get more details, tap  → **Help**.

Tap **Music Hub** on the Applications screen.



- This application may not be available depending on the region or service provider.
- Some features may be labelled differently depending on the subscription terms.
- Some features including streaming services may not be available depending on the region or service provider.

MY MUSIC

This provides all music on your computer that has Music Hub installed. You can create new playlists and sync with your computer automatically. To play music, select a music category and then select a song to play.

CATALOG

This provides a music catalogue to browse and stream music. To stream music, select a music category, and then select a song to play. To purchase songs, tap  next to a song and then tap the option for purchase.

RADIO

Listen to music on personal radio stations.

Play Books

Use this application to read and download book files.

Tap **Play Books** on the Applications screen.



This application may not be available depending on the region or service provider.

Select a book file by scrolling left or right. While reading a book file, tap  to access additional options.

To purchase book files, tap .

Play Movies

Use this application to watch, download, and rent movies or TV shows.

Tap **Play Movies** on the Applications screen.



This application may not be available depending on the region or service provider.

Select a category at the top of the screen, and then select a movie, TV programme, or video to play or rent.

Play Music

Use this application to listen to music from the device or stream music from the Google cloud service.

Tap **Play Music** on the Applications screen.



This application may not be available depending on the region or service provider.

Play music by selecting a music category or share songs with others by uploading them to the Google cloud storage.

Play Magazines

Use this application to read and download magazines.

Tap **Play Magazines** on the Applications screen.



This application may not be available depending on the region or service provider.

Select a category, and then select a magazine.

Readers Hub

Use this application to download and read book files.

Tap **Readers Hub** on the Applications screen.



This application may not be available depending on the region or service provider.

Select a book to read. To download book files, go to the Readers Hub Store.

Video Hub

Use this application to access and purchase videos.

Tap **Video Hub** on the Applications screen.



This application may not be available depending on the region or service provider.

Select a category, and then select a video.

Learning Hub

Use this application to access learning material.

Tap **Learning Hub** on the Applications screen.



This application may not be available depending on the region or service provider.

Select a category, and then select a video lecture or book.

Utilities

S Note

Use this application to create a note using images and voice recordings.

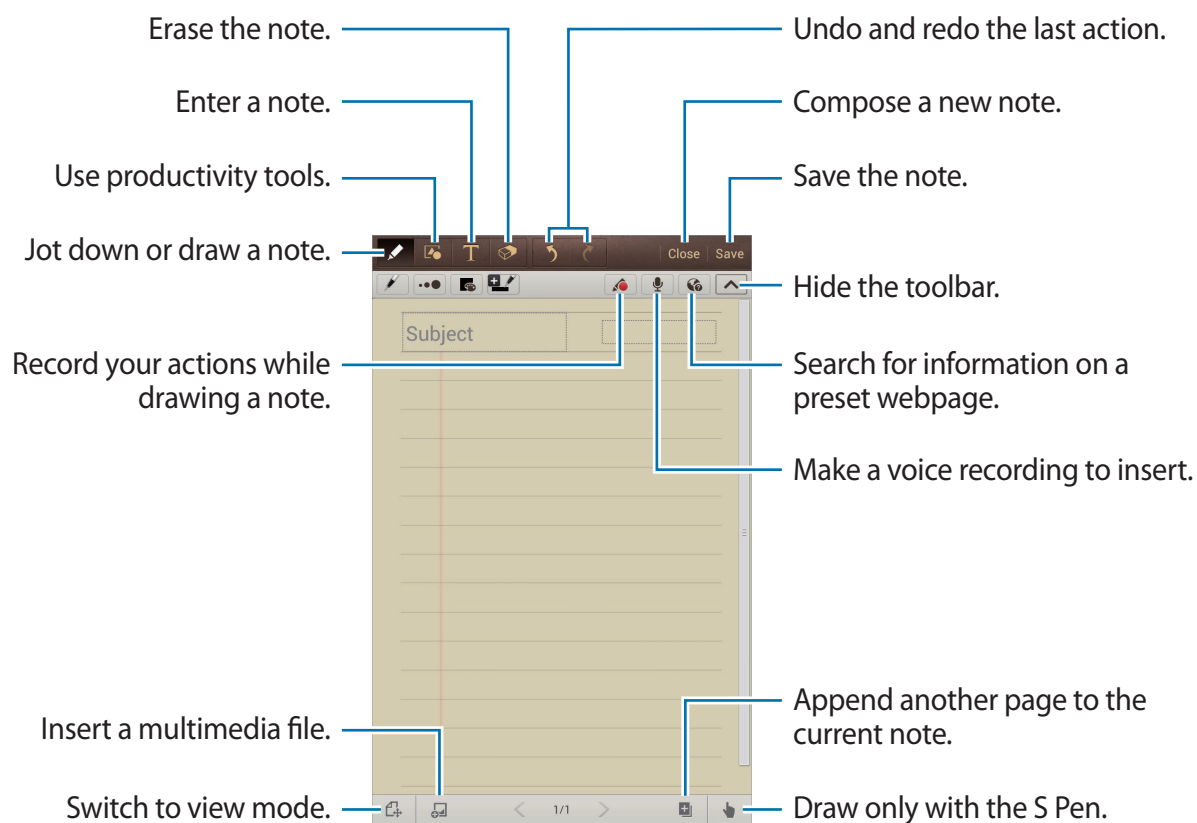
Tap **S Note** on the Applications screen.

Selecting note templates

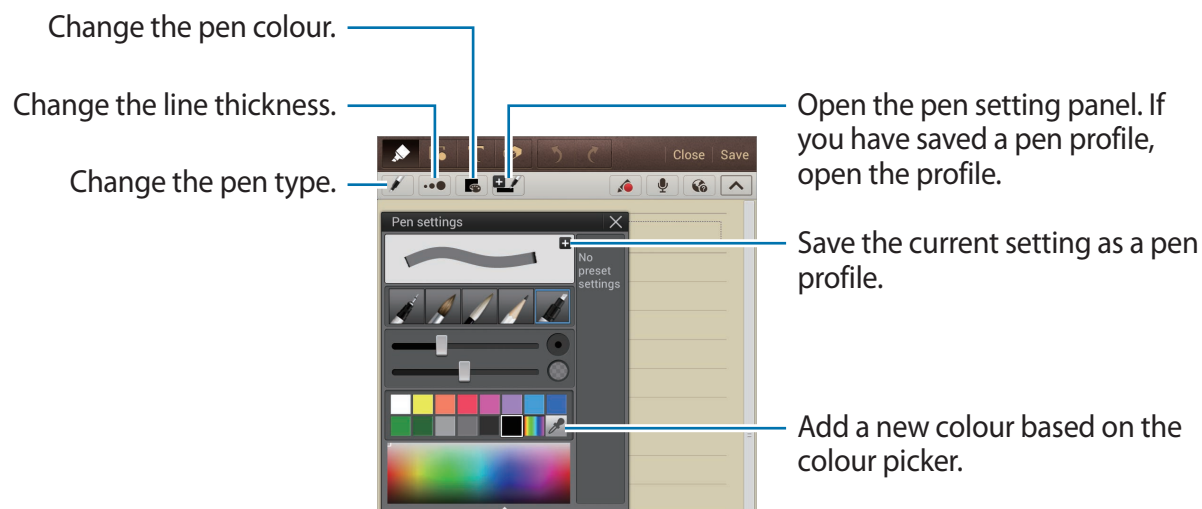
Tap  and select one of the following templates:

- **Note / Idea note / Memo:** Create a simple note from an empty page.
- **Meeting note:** Create a record of meetings, conferences, or lectures.
- **Magazine:** Create a multimedia note by inserting multimedia files.
- **Diary:** Create a photo diary.
- **Recipe:** Create your own recipe.
- **Travel:** Create a travel essay.
- **Landscape note:** Create a note in landscape orientation.
- **Birthday:** Create a birthday card.

Composing notes



When erasing the note, tap  to change the eraser type, tap  to change the eraser size, or tap **Clear all** to clear the note.



To change the sheet background, tap → **Change background**.

To add tags, tap → **Add tag**.

Inserting multimedia files or a voice recording

Tap to insert multimedia files. Tap to insert a voice recording.

Using productivity tools

Tap and select one of the following tools:

- : Convert a shape you have drawn.
- : Convert a handwritten formula to a well-organized formula. Tap **Search** to get detailed information about the formula.
- : Convert a handwritten note.

Browsing notes

Browse note thumbnails by scrolling up or down.

To sync notes with the Samsung account, tap  → **Refresh**.

To sort notes by date, title, or others, tap  → **Sort by**.

To change the view mode, tap  → **List view**.

To create a note by importing a PDF, image file, or note, tap  → **Import**.

To export notes as another file format, tap  → **Export**.

To send the note to others, tap  → **Share via**.

To create a folder, tap  → **Create folder**.

To change the order of notes, tap  → **Change order**.

To copy notes, tap  → **Copy**.

To move notes to another folder, tap  → **Move**.

To change the S Note settings, tap  → **Settings**.

To access help information for S Note, tap  → **Help**.

Viewing a note

Tap the note thumbnail to open it.

To move to other pages of the note, tap  or .

To create a note, tap  → **Create note**.

To send the note to others, tap  → **Share via**.

To save the note as an image file or a PDF file, tap  → **Export**.

To add or delete the note, tap  → **Edit pages**.

To delete the note, tap  → **Delete**.

To add tags, tap  → **Add tag**.

To save the note as an event, tap  → **Create event**.

To add a shortcut to the note on the Home screen, tap  → **Set as shortcut**.

To print the note via a USB or Wi-Fi connection, tap  → **Print**. The device is only compatible with some Samsung printers.

To set the note as wallpaper or to assign it to a contact, tap  → **Set as**.

aNote HD

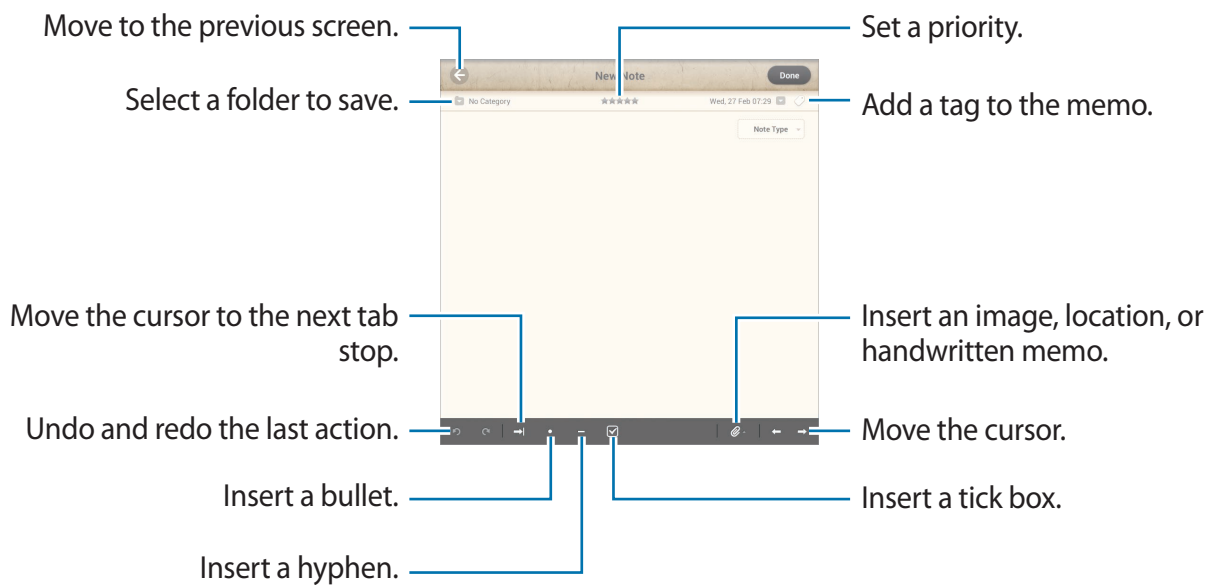
Use this application to create a note.

Tap **aNote HD** on the Applications screen.

Composing notes

Tap  to compose a note.

To add a quick memo, tap .



Browsing notes

Select a folder and browse notes by scrolling up or down the notes list.

To view notes in calendar mode, tap .

To search for a note, tap .

To delete or move a note, tap .

To change the view mode of the notes list, tap .

To sort notes by date, title, or priority, tap .

To delete or move a folder, tap .

Viewing a note

Tap the note to open it.

To move to other notes, tap ◀ or ▶.

To change note settings, tap ⚙.

To insert an image, location, or handwritten memo, tap 📎.

To delete the note, tap 🗑.

To lock the note so that others cannot edit it, tap 🔒.

S Planner

Use this application to manage events and tasks.

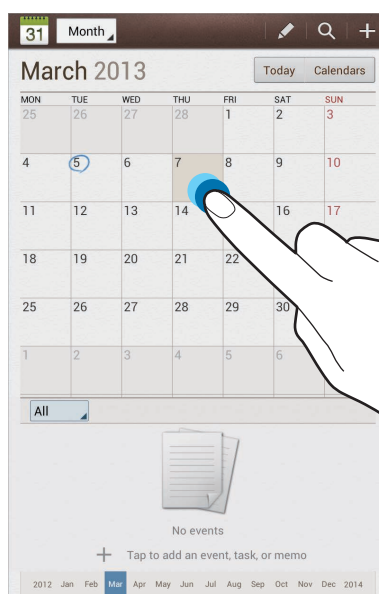
Tap **S Planner** on the Applications screen.

Creating events or tasks

Tap **+**, and then use one of the following methods:

- **Add event:** Enter an event with an optional repeat setting.
- **Add task:** Enter a task with an optional priority setting.
- **Add memo:** Create a handwritten memo to attach to the date.

To add an event or task more briefly, tap a date to select it and tap it again.



Enter a title and specify which calendar to use or sync with. Then tap **Edit event details** or **Edit task details** to add more details, such as how often the event repeats, when it has an advance alert, or where it takes place.

Attach a map showing the location of the event. Enter the location in the **Location** field, tap  next to the field, and then pinpoint the precise location by tapping and holding on the map that appears.

Attach a note from S Note. Tap **Notes**, and then compose a new note or select one of the existing notes.

Attach an image. Tap **Images**, and then take a photo or select one of the existing images.

Syncing with Google Calendar

On the Applications screen, tap **Settings** → **Google** under **Accounts** → a Google account → **Sync Calendar** → **Sync now**. To manually sync for updating, on the Applications screen, tap **S Planner** →  → **Sync**.

To display synced event or task, tap  → **Settings** → **View settings** → **Calendars** → **Display**, select the Google account, and then tap **OK**.

Changing calendar type

Tap the top left of the screen, and then select one from among different types of calendars including month, week, and others. A pinch gesture can be used to change calendar type. For example, pinch to change from the monthly calendar to the yearly calendar, and spread apart to change yearly calendar back to monthly calendar.

Searching for events

Tap , and then enter a keyword to search for.

To view today's events, tap **Today** at the top of the screen.

Deleting events

Select a date, and then tap  → **Delete**.

Sharing events

Select an event, tap  → **Share via**, and then select a sharing method.

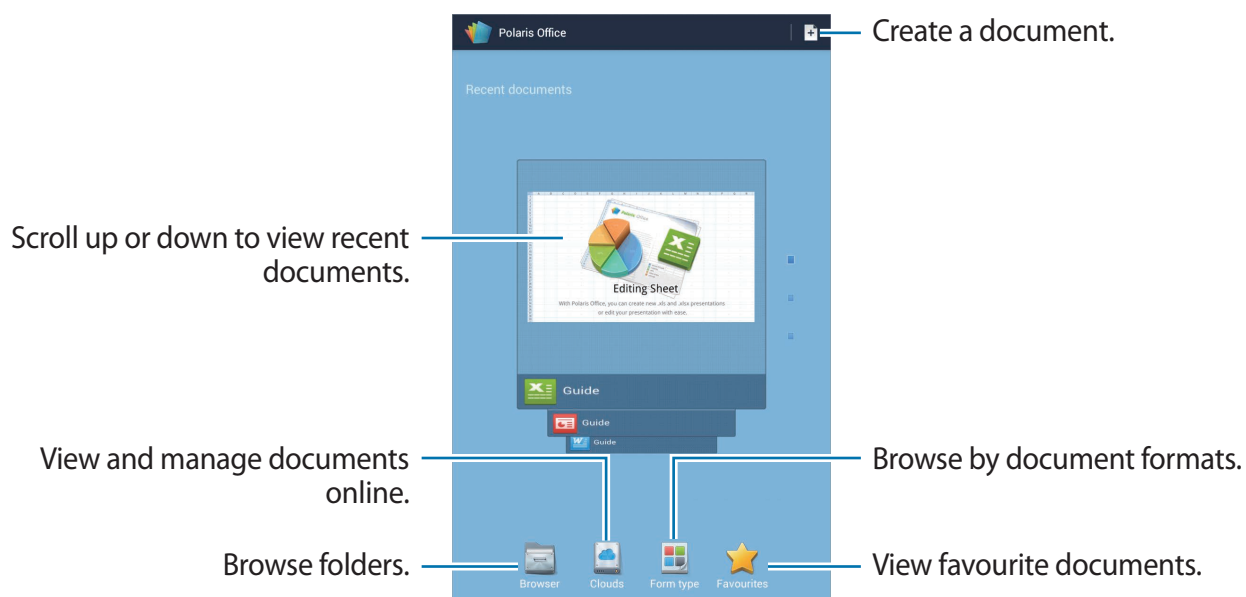
Polaris Office

Use this application to edit documents in various formats, including spreadsheets and presentations.

Tap **Polaris Office** on the Applications screen.



Some functions may not be available, depending on the file type.



Creating documents

Tap , and then select a document type.

Use the editing toolbar at the top of the screen to edit the document.

To finish, tap  → **Save**, enter a filename, select a folder to save to, and then tap **Save**.

Reading documents

Tap a file in **Recent documents**. Or tap **Browser**, **Clouds**, **Form type**, or **Favourites**, and then select a file to open.

To start a slideshow, tap  → **Slide Show**.

To search for a text string in the document, tap .

Tap , and then use one of the following functions:

Document

- **Save as:** Save the document with a different name.
- **PDF export:** Save the document as a PDF file.
- **Find & Replace:** Search for or replace text.
- **Page layout:** Change the layout of pages.
- **Full width view:** View the document contents only, without margins.
- **Zoom:** Change the view size.
- **Reflow text:** Rearrange the text to fit the screen.
- **View Comment:** View comments in the document.
- **TTS:** Read the document via the text-to-speech feature.
- **Print:** Print the document via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.

Presentation

- **Slide Show:** Start a slideshow.
- **Save as:** Save the document with a different name.
- **PDF export:** Save the document as a PDF file.
- **Find & Replace:** Search for or replace text.
- **Single slide view:** View slides one by one.
- **Zoom:** Change the view size.
- **Print:** Print the document via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.

Spreadsheet

- **Save as:** Save the document with a different name.
- **Find & Replace:** Search for or replace text.
- **Protect worksheet:** Lock the sheet so that others cannot edit it.
- **Freeze frame:** Keep the selected row in place.
- **Recalculation:** Recalculate the functions on the sheet.
- **Sort:** Sort cells by specific criteria.
- **Filter:** View cells filtered by specific criteria.
- **Zoom:** Change the view size.
- **Print:** Print the document via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.

Text

- **Save as:** Save the document with a different name.
- **TTS:** Read the document via the text-to-speech feature.
- **Print:** Print the document via a USB or Wi-Fi connection. The device is only compatible with some Samsung printers.

Dropbox

Use this application to save and share files with others via the Dropbox cloud storage. When you save files to Dropbox, your device automatically syncs with the web server and any other computers that have Dropbox installed.

Tap **Dropbox** on the Applications screen.



This application may not be available depending on the region or service provider.

When running Dropbox for the first time, tap **Start** to activate it. Follow the on-screen instructions to complete the setup.

Once Dropbox is activated, photos and videos taken with the device's camera are uploaded to Dropbox automatically. To view the uploaded photos or videos, tap

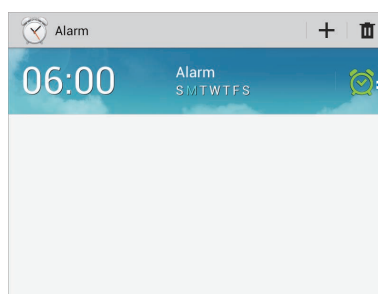
To upload files to Dropbox, tap → → **Upload here** → **Photos or videos** or **Other files**. To open files in Dropbox, select a file.

While viewing images or videos, tap to add it to the favourites list. To open files in the favourites list, tap

Alarm

Use this application to set wake-up calls and alarms for important events.

Tap **Alarm** on the Applications screen.



Turn this alarm on or off.

Setting alarms

Tap , set a time for the alarm to go off, select days for the alarm to repeat, and then tap **Save**.

- **Snooze:** Set an interval and the number of times for the alarm to repeat after the preset time.
- **Smart alarm:** Set a time for the alarm to go off before the preset time.

Stopping alarms

Drag  outside the large circle to stop an alarm. Drag  outside the large circle to repeat the alarm after a specified length of time.

Deleting alarms

Tap and hold the alarm, and then tap **Delete**.

World Clock

Use this application to check the time in any location in the world.

Tap **World Clock** on the Applications screen.

Creating clocks

Tap , enter a city name or select a city from the globe, and then tap .

To apply summer time, tap and hold a clock, and then tap **DST settings**.

Deleting clocks

Tap , select clocks, and then tap **Delete**.

Calculator

Use this application for simple or complex calculations.

Tap **Calculator** on the Applications screen.

Rotate the device to landscape orientation to display the scientific calculator. If **Screen rotation** is disabled, tap  → **Scientific calculator**.

To see calculation history, tap  to hide the keypad.

To clear history, tap  → **Clear history**.

To change the character size for history, tap  → **Text size**.

S Voice

Use this application to command the device by voice to dial a number, send a message, write a memo, and more.

Tap **S Voice** on the Applications screen.



This application may not be available depending on the region or service provider.

Here are several examples of spoken commands:

- Open music
- Launch calculator
- Call Lulu mobile
- Dial Lulu work
- Check schedule

Tips for better voice recognition

- Speak clearly.
- Speak in quiet places.
- Do not use offensive or slang words.
- Avoid speaking in dialectal accents.

The device may not recognise your commands or may perform unwanted commands depending on your surroundings or how you speak.

Google

Use this application to search not only the Internet, but also applications and their contents on the device as well.

Tap **Google** on the Applications screen.

Searching the device

Tap the search field, and then enter a keyword. Alternatively, tap , speak a keyword, and then select one of the suggested keywords that appear.

If no results are returned from the applications, the web browser appears, displaying the search results.

Search scope

To select what applications to search, tap  → **Settings** → **Tablet search**, and then tick the items to search for.

Google Now

Launch Google search to view Google Now cards that show the current weather, public transit info, your next appointment, and more when you are most likely to need it.

Join Google Now when opening Google search for the first time. To change Google Now settings, tap  → **Settings** → **Google Now**.



This feature may not be available depending on the region or service provider.

Voice Search

Use this application to search webpages by speaking.

Tap **Voice Search** on the Applications screen.



This application may not be available depending on the region or service provider.

Speak a keyword or phrase when **Speak now** appears on the screen. Select one of the suggested keywords that appear.

My Files

Use this application to access all kinds of files stored in the device, including images, videos, songs, and sound clips.

Tap **My Files** on the Applications screen.

Select a folder to open it. To go back to the parent folder, tap . To return to the root directory, tap .

In a folder, use one of the following functions:

-  : Search for files.
-  : Change the view mode.
-  : Create a folder.
- **Time**: Sort files or folders.

Select a file or folder by ticking, and then use one of the following functions:

-  : Copy files or folders to another folder.
-  : Move files or folders to another folder.
-  : Delete files or folders.
-  : Send files to others.
-  → **Rename**: Rename a file or folder.
-  → **Details**: View file or folder details.

Downloads

Use this application to see what files are downloaded through the applications.

Tap **Downloads** on the Applications screen.



This application may not be available depending on the region or service provider.

To see the files downloaded from the Internet, tap **Internet downloads**, otherwise, tap **Other downloads** to see the files downloaded from other applications, such as **Email**.

Select a file to open it with an appropriate application.

Travel & local

Maps

Use this application to pinpoint the location of the device, search for places, or get directions. Tap **Maps** on the Applications screen.



This application may not be available depending on the region or service provider.

Searching for locations

Tap **Search Maps**, enter an address, and then tap . Select a location to view the detailed location information. To search for nearby locations, tap  → **Local**.

Once the location is found, tap  and use one of the following functions:

- **Clear Map:** Clear the map.
- **Make available offline:** Save the map of a specified area to view it offline.
- **Local:** Search for nearby locations.
- **Layers:** Overlay multiple layers including satellite images, traffic information, and more.
- **Latitude:** Share location information with friends.
- **My Places:** View offline maps, starred places, recent places, and more.
- **Settings:** Change the map settings.
- **Help:** View information about using the map.

To view current location, tap .

To zoom in or out the map, spread two fingers apart on the screen to zoom in, and pinch to zoom out.

Getting directions for a destination

- 1 Tap .
- 2 Tap , and then select a method to enter starting and ending locations:
 - **My current location:** Use current location for starting location.
 - **Contacts:** Select from the contacts list.
 - **Point on map:** Pinpoint by tapping on the map.
 - **My Places:** Select from the list of favourite places.
- 3 Select a travel method, such as driving, public transit, or walking, and then tap **Go**.
- 4 Select one of the routes that appear.

Local

Use this application to search for nearby restaurants, banks, bus stops, and more.

Tap **Local** on the Applications screen.



This application may not be available depending on the region or service provider.

Select a place category, and then select a place from the list of search results.

- **Map:** Pinpoint the place on the map.
- **Directions:** Search for a route to the place.
- **Call:** Call the place's phone number.

To add a place category, tap  → **Add a search** on the category list, enter a keyword to search into the text field.

Navigation

Use this application to search for a route to a destination.

Tap **Navigation** on the Applications screen.



- Navigation maps, your current location, and other navigational data may differ from actual location information. You should always pay attention to road conditions, traffic, and any other factors that may affect your driving. Follow all safety warnings and regulations while driving.
- This application may not be available depending on the region or service provider.

Specify the destination by using one of the following methods:

- Speak the destination address.
- Enter the destination address.
- Select the destination address from the contacts list.
- Select the destination from the list of starred places.

Once a route is found, follow on-screen instructions to navigate to the destination.

Settings

About Settings

Use this application to configure the device, set application options, and add accounts. Tap **Settings** on the Applications screen.

Wi-Fi

Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices.

To use options, tap .

- **Advanced:** Customise Wi-Fi settings.
- **WPS push button:** Connect to a secured Wi-Fi network with a WPS button.
- **WPS PIN entry:** Connect to a secured Wi-Fi network with a WPS PIN.

Setting Wi-Fi sleep policy

On the Settings screen, tap **Wi-Fi** →  → **Advanced** → **Keep Wi-Fi on during sleep**.



When the screen is turned off, the device automatically turns off Wi-Fi connections. When this happens, the device automatically accesses data networks if it is set to use them. This may incur data transfer fees. To avoid data-usage bills, set this option to **Always**.

Setting Network notification

The device can detect open Wi-Fi networks and display an icon on the status bar to notify when available.

On the Settings screen, tap **Wi-Fi** →  → **Advanced** and tick **Network notification** to activate this feature.

Wi-Fi Direct

Wi-Fi Direct connects two devices directly via a Wi-Fi network without requiring an access point.

On the Settings screen, tap **Wi-Fi** → **Wi-Fi Direct**.

Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

Data usage

Keep track of your data usage amount, and customise the settings for the limitation.

- **Mobile data:** Set to use data connections on any mobile network.
- **Set mobile data limit:** Set a limit for the mobile data usage.
- **Data usage cycle:** Enter monthly reset date to monitor your data usage.

To use more options, tap .

- **Data roaming:** Set to use data connections when you are roaming.
- **Restrict background data:** Set to disable sync in the background while using a mobile network.
- **Auto sync data:** Set the device to sync contact, calendar, email, bookmark, and social network image data automatically.
- **Show Wi-Fi usage:** Set to show your data usage via Wi-Fi.
- **Mobile hotspots:** Search for and use another device's mobile network.

More settings

Customise settings to control connections with other devices or networks.

Flight mode

This disables all wireless functions on your device. You can use only non-network services.

Mobile networks

- **Mobile data:** Use to allow packet switching data networks for network services.
- **Data roaming:** Use the device to connect to another network when you are roaming or your home network is not available.
- **Access Point Names:** Set up access point names (APNs).
- **Network mode:** Select a network type.
- **Network operators:** Search for available networks and select a network for roaming.

Tethering and portable hotspot

- **Portable Wi-Fi hotspot:** Use the portable Wi-Fi hotspot to share the device's mobile network connection with computers or other devices through the Wi-Fi network.
- **USB tethering:** Use USB tethering to share the device's mobile network connection with a computer via USB. When connected to a computer, the device is used as a wireless modem for the computer.
- **Bluetooth tethering:** Use the Bluetooth tethering to share the device's mobile network connection with computers via Bluetooth.
- **Help:** Learn more about USB, Wi-Fi, and Bluetooth tethering.

VPN

Set up and connect to virtual private networks (VPNs).

Nearby devices

- **File sharing:** Activate media sharing to allow other DLNA-enabled devices to access media files on your device.
- **Shared contents:** Set to share your content with other devices.
- **Device name:** Enter a media server name for your device.
- **Allowed devices list:** View the list of devices that can access your device.
- **Not-allowed devices list:** View the list of devices that are blocked from accessing your device.
- **Download to:** Select a memory location for saving media files.
- **Upload from other devices:** Set to accept uploads from other devices.

AllShare Cast

Activate the AllShare Cast feature and share your display with others.

Kies via Wi-Fi

Connect the device to Samsung Kies via a Wi-Fi network.

Home screen mode

Select a Home screen mode (basic or easy).

Blocking mode

Select which notifications will be blocked or set to allow notifications for calls from specified contacts in blocking mode.

Sound

Change settings for various sounds on the device.

- **Volume:** Adjust the volume level for call ringtones, music and videos, system sounds, and notifications.
- **Vibration intensity:** Adjust the force of the vibration notification.
- **Device ringtone:** Select a ringtone to alert you to incoming calls.
- **Device vibration:** Add or select a vibration pattern.
- **Default notifications:** Select a ringtone for events, such as incoming messages, missed calls, and alarms.
- **Vibrate when ringing:** Set the device to vibrate and play a ringtone for incoming calls.
- **Dialling keypad tone:** Set the device to sound when tapping the buttons on the keypad.
- **Touch sounds:** Set the device to sound when selecting an application or option on the touch screen.
- **Screen lock sound:** Set the device to sound when locking or unlocking the touch screen.
- **Haptic feedback:** Set the device to vibrate when touching keys.

Display

Change the settings for the display.

- **Wallpaper:**
 - **Home screen:** Select a background image for the Home screen.
 - **Lock screen:** Select a background image for the locked screen.
 - **Home and lock screens:** Select a background image for the Home screen and the locked screen.
- **Notification panel:** Customise the items that appear on the notifications panel.
- **Multi window:** Set to use Multi Window.
- **Page buddy:** Set the device to open contextual pages based on your actions.

- **Screen mode:** Select a display mode.
 - **Dynamic:** Use this mode to make the display tone more vivid.
 - **Standard:** Use this mode for normal surroundings.
 - **Movie:** Use this mode for dim surroundings, such as in a dark room.
- **Reading mode:** Select which applications will use reading mode. In reading mode, the device helps protect your eyes when reading at night.
- **Brightness:** Set the brightness of the display.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Smart stay:** Set to prevent the display backlight from turning off while you are looking at the display.
- **Font style:** Change the font type for display text.
- **Font size:** Change the font size.
- **Increase legibility:** Sharpen the text to make it easier to read.
- **Touch key light duration:** Set the duration for the touch button backlight.
- **Display battery percentage:** Set to view the remaining battery life.

Storage

View memory information for your device and memory card, or format a memory card.



Formatting a memory card permanently deletes all data from it.



The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory.

Power saving mode

Activate power-saving mode and change the settings for power-saving mode.

- **CPU power saving:** Set the device to limit some system resource usage.
- **Screen power saving:** Set the device to decrease the brightness of the display.
- **Turn off haptic feedback:** Set the device to turn off the vibration when touching keys.
- **Learn about Power saving mode:** Discover how to reduce battery consumption.

Battery

View the amount of battery power consumed by your device.

Application manager

View and manage the applications on your device.

Location services

Change settings for location information permissions.

- **Use wireless networks:** Set to use Wi-Fi and/or mobile networks for finding the current location.
- **Use GPS satellites:** Set to use the GPS satellite for finding the current location.
- **Location and Google search:** Set to use your current location for Google search and other Google services.

Lock screen

Change settings for the locked screen.

- **Screen lock:** Activate the screen lock feature.
- **Lock screen options:** Change the settings for the locked screen. These settings are applied only when you set the swipe lock option.
 - **Shortcuts:** Set to show and edit application shortcuts on the locked screen.



This feature may not be available depending on the region or service provider.

- **Information ticker:** Set to show news or stock information on the locked screen.



This feature may not be available depending on the region or service provider.

- **Clock:** Set to show the clock on the locked screen.
- **Dual clock:** Set to show the dual clock on the locked screen.
- **Weather:** Set to show the weather information on the locked screen and change the settings for the weather display.
- **Ripple effect:** Set to show the ripple effect on the locked screen.
- **Ink effect:** Change the colour for the ink effect. The ink effect is available only with the S Pen.
- **Help text:** Set to show the help text on the locked screen.
- **Wake up in lock screen:** Set the device to recognise your wake up command when the screen is locked.
- **Set wake-up command:** Set a wake up command to launch **S Voice** or perform a specified function.
- **Popup Note on lock screen:** Set to launch Popup Note when you double-tap the locked screen with the S Pen button pressed.
- **Owner information:** Enter your information that is shown on the locked screen.

Security

Change settings for securing the device and the SIM or USIM card.

- **Encrypt device:** Set a password to encrypt data saved on the device. You must enter the password each time you turn on the device.



Charge the battery before enabling this setting because it may take more than an hour to encrypt your data.

- **Encrypt external SD card:**
 - **Encrypt:** Set to encrypt files when you save them to a memory card.
 - **Full encryption:** Set to encrypt all files on a memory card.
 - **Exclude multimedia files:** Set to encrypt all files on a memory card, except for media files.



If you reset your device to the factory defaults with this setting enabled, the device will not be able to read your encrypted files. Disable this setting before resetting the device.

- **Remote controls:** Set to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Samsung account.
 - **Account registration:** Add or view your Samsung account.
 - **Use wireless networks:** Set to allow location data collection and to determine the location of your lost or stolen device via Wi-Fi or mobile network.
- **SIM Change Alert:** Activate the Find my mobile feature.
- **Find my mobile web page:** Access the SamsungDive website (www.samsungdive.com). You can track and control your lost or stolen device on the SamsungDive website.
- **Set up SIM card lock:**
 - **Lock SIM card:** Activate or deactivate the PIN lock feature to require the PIN before using the device.
 - **Change SIM PIN:** Change the PIN used to access SIM or USIM data.

- **Make passwords visible:** By default, the device hides passwords for security. Set the device to display passwords as they are entered.
- **Device administrators:** View device administrators installed on the device. You can allow device administrators to apply new policies to the device.
- **Unknown sources:** Choose to install applications from any source. If not chosen, download applications only from **Play Store**.
- **Trusted credentials:** Use certificates and credentials to ensure secure use of various applications.
- **Install from device storage:** Install encrypted certificates stored on the USB storage.
- **Clear credentials:** Erase the credential contents from the device and reset the password.

Language and input

Change the settings for text input. Some options may not be available depending on the selected language.

Language

Select a display language for all menus and applications.

Default

Select a default keyboard type for text input.

Google voice typing

To change the voice input settings, tap .

- **Choose input languages:** Select input languages for text input.
- **Block offensive words:** Set to prevent the device from recognising offensive words in voice inputs.
- **Download offline speech recognition:** Download and install language data for offline voice input.

Samsung keyboard

To change the Samsung keyboard settings, tap .



The available options may vary depending on the region or service provider.

- **Input languages:** Select languages for text input.
- **Predictive text:** Activate predictive text mode to predict words based on your input and show word suggestions. You can also customise the word prediction settings.
- **Continuous input:** Set to enter text by sweeping on the keyboard.
- **Cursor control:** Enable or disable the smart keyboard navigation feature to move the cursor by scrolling the keyboard.
- **Pen detection:** Set the device to open the handwriting panel when the field is tapped with the S Pen.
- **Handwriting:** Customise settings for handwriting mode, such as recognition time, pen thickness, or pen colour.
- **Advanced:**
 - **Auto capitalisation:** Set the device to automatically capitalise the first character after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
 - **Auto spacing:** Set the device to automatically insert a space between words.
 - **Auto-punctuate:** Set the device to insert a full stop when you double-tap the space bar.
 - **Character preview:** Set the device to display a large image of each character tapped.
 - **Key-tap vibration:** Set the device to vibrate when a key is touched.
 - **Key-tap sound:** Set the device to sound when a key is touched.
- **Tutorial:** Learn how to enter text with the Samsung keyboard.
- **Reset settings:** Reset Samsung keyboard settings.

Voice recogniser

Select a voice recognition engine.

Voice search

- **Language:** Select a language for the voice recognition.
- **Speech output:** Set the device to provide voice feedback to alert you to the current action.
- **Block offensive words:** Hide offensive words from voice search results.
- **Download offline speech recognition:** Download and install language data for offline voice input.

Text-to-speech output

- **Preferred TTS engine:** Select a speech synthesis engine. To change the settings for speech synthesis engines, tap .
- **Speech rate:** Select a speed for the text-to-speech feature.
- **Listen to an example:** Listen to the spoken text for an example.
- **Driving mode:** Activate driving mode to set the device to read contents aloud and specify applications to use in driving mode.

Pointer speed

Adjust the pointer speed for the mouse or trackpad connected to your device.

Cloud

Change settings for syncing data or files with your Samsung account or Dropbox cloud storage.

Backup and reset

Change the settings for managing settings and data.

- **Back up my data:** Set to back up settings and application data to the Google server.
- **Backup account:** Set up or edit your Google backup account.
- **Automatic restore:** Set to restore settings and application data when the applications are reinstalled on the device.
- **Factory data reset:** Reset settings to the factory default values and delete all data.

Add account

Add email or SNS accounts.

Motion

Activate the motion recognition feature and change the settings that control motion recognition on your device.

- **Palm swipe to capture:** Set to capture an image of the screen when you sweep your hand to the left or right across the screen.
- **Palm touch to mute/pause:** Set to pause media playback when you touch the screen with your palm.
- **Learn about hand motions:** View the tutorial for controlling hand motions.

S Pen

Change the settings for using the S Pen.

- **Pen attach/detach sound:** Set the device to emit a sound when the S Pen is inserted or pulled out from the slot.
- **Open Popup Note:** Set to launch Popup Note when the S Pen is pulled out from the slot.

- **Battery saving:** Set the screen not to respond to the other S Pens when the S pen is inserted.
- **Air view:** Set to show the S Pen pointer when the S Pen is hovering over the screen.
- **Sound and haptic feedback:** Set the device to sound and vibrate when hovering over files, subjects, or options.
- **Quick Command settings:** Configure the settings for Quick Command.
- **S Pen help:** Access help information for using the S Pen.

Accessory

Change the accessory settings.

- **Dock sound:** Set the device to play a sound when your device is connected to or removed from a desktop dock.
- **Audio output mode:** Set to use the dock speaker when your device is connected to a desktop dock.
- **Audio output:** Select a sound output format to use when connecting your device to HDMI devices. Some devices may not support the surround sound setting.

Date and time

Access and alter the following settings to control how the device displays the time and date.



If the battery remains fully discharged or removed from the device, the time and date is reset.

- **Automatic date and time:** Automatically update the time and date when moving across time zones.
- **Set date:** Set the current date manually.
- **Set time:** Set the current time manually.
- **Automatic time zone:** Set to receive time zone information from the network when you move across time zones.
- **Select time zone:** Set the home time zone.
- **Use 24-hour format:** Display time in 24-hour format.
- **Select date format:** Select a date format.

Accessibility

Accessibility services are special features for those with certain physical disabilities. Access and alert the following settings to improve accessibility to the device.

- **Auto-rotate screen:** Set the interface to rotate automatically when you rotate the device.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Speak passwords:** Set the device to read aloud passwords you enter with Talkback.
- **Answering/ending calls:**
 - **The home key answers calls:** Set the device to answer an incoming call when pressing the Home button.
 - **Answer calls using voice:** Set to answer or reject an incoming call with voice commands.
 - **The power key ends calls:** Set the device to end a call when pressing the Power button.
- **Accessibility shortcut:** Add a shortcut to **Accessibility** on the quick menu that appears when you press and hold the Power button.
- **TalkBack:** Activate Talkback, which provides voice feedback.
- **Font size:** Change the font size.
- **Negative colours:** Reverse the display colours to improve visibility.
- **Text-to-speech output:**
 - **Preferred TTS engine:** Select a speech synthesis engine. To change the settings for speech synthesis engines, tap .
 - **Speech rate:** Select a speed for the text-to-speech feature.
 - **Listen to an example:** Listen to the spoken text for an example.
 - **Driving mode:** Activate driving mode to set the device to read contents aloud and specify applications to use in driving mode.

- **Enhance web accessibility:** Set applications to install web scripts to make their web content more accessible.
- **Sound balance:** Adjust the sound balance when using a dual headset.
- **Mono audio:** Enable mono sound when listening to audio with one earbud.
- **Turn off all sounds:** Mute all device sounds.
- **Tap and hold delay:** Set the recognition time for tapping and holding the screen.

Developer options

Change the settings for application development.

- **Desktop backup password:** Set a password to secure your backup data.
- **Stay awake:** Set the screen to remain on while you are charging the battery.
- **Protect SD card:** Set to request a confirmation when reading data from a memory card.
- **USB debugging:** Activate USB debugging mode to connect your device to a computer with a USB cable.
- **Allow mock locations:** Allow mock locations and service information to be sent to a Location Manager service for testing.
- **Select debug app:** Select applications to debug and prevent errors when you pause debugging.
- **Wait for debugger:** Set to prevent the selected application from loading until the debugger is ready.
- **Show touches:** Set to show the pointer when you touch the screen.
- **Show pointer location:** Set to show the coordinates and traces of the pointer when you touch the screen.
- **Show layout boundaries:** Set to show boundaries.
- **Show GPU view updates:** Set to flash areas of the screen when they are updated with the GPU.

- **Show screen updates:** Set to flash areas of the screen when they are updated.
- **Window animation scale:** Select a speed for opening and closing pop-up windows.
- **Transition animation scale:** Select a speed for switching between screens.
- **Animator duration scale:** Select how long pop-up windows will be shown.
- **Disable hardware overlays:** Set to hide hardware overlays.
- **Force GPU rendering:** Set to use 2D hardware acceleration to improve graphic performance.
- **Strict mode:** Set the device to flash the screen when applications perform long operations.
- **Show CPU usage:** Set to list all active processes.
- **Profile GPU rendering:** Set to check the time of GPU rendering time.
- **Enable traces:** Set to capture traces of application and system performance.
- **Do not keep activities:** Set to end a running application when you launch a new application.
- **Limit background processes:** Set to limit the number of processes that can run in the background.
- **Show all ANRs:** Set the device to alert you to unresponsive applications that are running in the background.

About device

Access device information and update device software.

Troubleshooting

When you turn on your device or while you are using the device, it prompts you to enter one of the following codes:

- Password: When the device lock feature is enabled, you must enter the password you set for the device.
- PIN: When using the device for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM or USIM card. You can disable this feature by using the Lock SIM card menu.
- PUK: Your SIM or USIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
- PIN2: When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM or USIM card. For details, contact your service provider.

Your device displays network or service error messages

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.
- You cannot access some options without a subscription. Contact your service provider for more details.

The touch screen responds slowly or improperly

If your device has a touch screen and the touch screen is not responding properly, try the following:

- Remove any protective covers from the touch screen. Protective covers may prevent the device from recognising your inputs and are not recommended for touch screen devices.
- Ensure that your hands are clean and dry when tapping the touch screen.
- Restart your device to clear any temporary software bugs.
- Ensure that your device software is upgraded to the latest version.
- If the touch screen is scratched or damaged, take it to your local Samsung Service Centre.

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close programs or reset the device to regain functionality. If your device is frozen and unresponsive, press and hold the Power button for 8-10 seconds. The device reboots automatically.

If this does not solve the problem, perform a factory data reset. On the Applications screen, tap **Settings** → **Backup and reset** → **Factory data reset** → **Reset device** → **Erase everything**.

Calls are being dropped

When you are in areas with weak signals or poor reception, you may lose your connection to the network. Move to another area and try again.

Outgoing calls are not connected

- Ensure that you have pressed the Dial key.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.

Incoming calls are not connected

- Ensure that your device is turned on.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using a headset, ensure that it is properly connected.

Audio quality is poor

- Ensure that you are not blocking the device's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.

When dialling from contacts, the call is not connected

- Ensure that the correct number is stored in the contact list.
- Re-enter and save the number, if necessary.
- Ensure that you have not set call barring for the contact's phone number.

The device beeps and the battery icon is empty

Your battery is low. Recharge or replace the battery to continue using the device.

The battery does not charge properly or the device turns off

The battery in the device is not user replaceable. If you have problems with the battery or need it replaced, take the device to a Samsung Service Centre.

Your device is hot to the touch

When you use applications that require more power or use applications on your device for an extended period of time, your device may feel hot to the touch. This is normal and should not affect your device's lifespan or performance.

Error messages appear when launching the camera

Your Samsung device must have sufficient available memory and battery power to operate the camera application. If you receive error messages when launching the camera, try the following:

- Charge the battery or replace it with a battery that is fully charged.
- Free some memory by transferring files to a computer or deleting files from your device.
- Restart the device. If you are still having trouble with the camera application after trying these tips, contact a Samsung Service Centre.

Error messages appear when opening music files

Some music files may not play on your Samsung device for a variety of reasons. If you receive error messages when opening music files on your device, try the following:

- Free some memory by transferring files to a computer or deleting files from your device.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.
- Ensure that your device supports the file type.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your device.
- Ensure that the Bluetooth wireless feature is activated on the device you wish to connect to, if necessary.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).

If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established when you connect the device to a computer

- Ensure that the USB cable you are using is compatible with your device.
- Ensure that you have the proper drivers installed and updated on your computer.
- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer.
- Ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

A small gap appears around the outside of the device case

- This gap is a necessary manufacturing feature and some minor rocking or vibration of parts may occur.
- Over time, friction between parts may cause this gap to expand slightly.

Some content may differ from your device depending on the region, service provider, or software version, and is subject to change without prior notice.



Health and safety information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless 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 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 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 exposure 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 recommended operating positions accepted by the FCC with the 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 device while operating can be well below the maximum value. This is because the 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.

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

For typical operations, this model has been tested and meets the FCC exposure guidelines.

SAR information on this and other models can be viewed on-line at <http://www.fcc.gov/oet/ea/fccid/>. This site uses the FCC ID number **A3LGTN5120**.

You can check the FCC ID on the rear case. Once you have the FCC ID number for a particular device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular device. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Operating Environment

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

FCC Notice and Cautions

FCC Notice

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.

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 from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the device if such interference cannot be eliminated. Vehicles using 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, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio device, not expressly approved by Samsung, will void the user's authority to operate the equipment.

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

This device is capable of operating in 802.11a/n mode. For 802.11a/n devices operating in the frequency range of 5.15 - 5.25 GHz, they are restricted for indoor operations to reduce any potential harmful interference for Mobile Satellite Services (MSS) in the US. WIFI Access Points that are capable of allowing your device to operate in 802.11a/n mode (5.15 - 5.25 GHz band) are optimized for indoor use only. If your WIFI network is capable of operating in this mode, please restrict your WIFI use indoors to not violate federal regulations to protect Mobile Satellite Services.