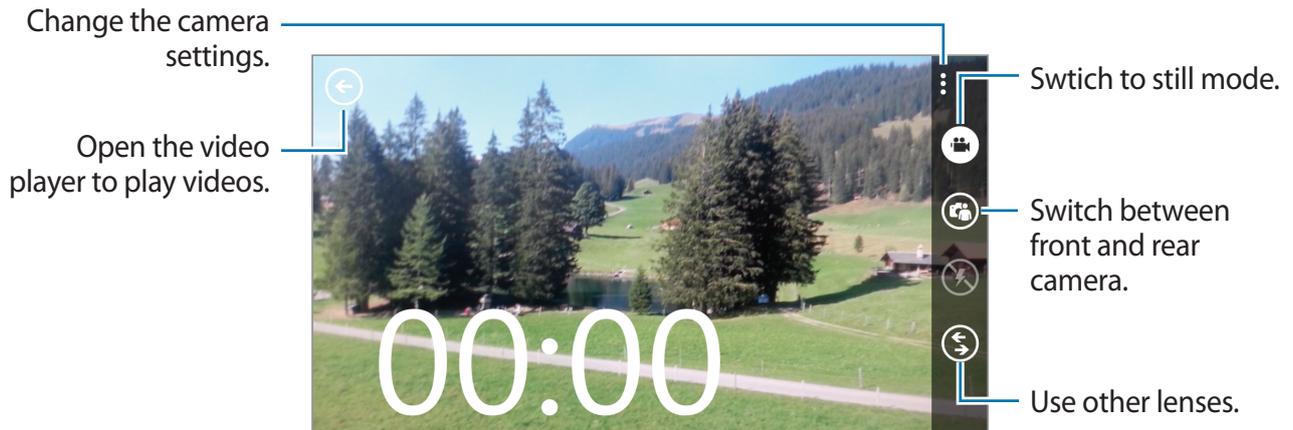


## Recording mode



## Zooming in and out



Spread two fingers apart on the screen to zoom in, and pinch to zoom out.



The zoom in/out effect is not available when using the zoom feature while shooting video.

## Configuring settings for Camera

Tap  to configure settings for Camera. Not all of the following options are available in both still camera and video camera modes. The available options vary depending on the mode used.

- **Focus Range:** Select a focus mode. **Normal (default)** is camera-controlled. **Macro** is for very close objects.
- **White Balance:** Select an appropriate white balance, so images have a true-to-life colour range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **ISO Gain:** Select an ISO value. This controls camera light sensitivity. It is measured in film-camera equivalents. Low values are for stationary or brightly-lit objects. Higher values are for fast-moving or poorly-lit objects.
- **EV:** This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.
- **Photo resolution / Video resolution:** Select the resolution option.

## Using Bing Vision

Tap  → **Bing Vision** to scan codes to view more information, or to extract text from documents.

### Scanning a code

Aim the rear camera at a code. After the code is scanned automatically, tap the code number to view information.

### Scanning a document

Aim the rear camera at a document, and then tap **scan text**. Select a word, and then tap **translate** to view the definition of the word.

To search the web with a keyword, tap **search**.

## Photos

Use this application to view images and videos.

Tap **Photos** on the Applications screen.



- Some file formats are not supported depending on the software installed on the device.
- Some files may not play properly depending on how they are encoded.

## Viewing images

Launching **Photos** displays available folders. When another application, such as Email, saves an image, the download folder is automatically created to contain the image. Select a folder to open it, and then tap an image to view it in full screen.

Scroll left or right to view the next or previous image.

## Zooming in and out

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

- Double-tap anywhere to zoom in.
- Spread two fingers apart on any place to zoom in. Pinch to zoom out, or double-tap to return.

## Playing videos

Video files show the  icon on the preview. Select a video to watch it, and the **Music+Videos** launches.

## Editing images

When viewing images, tap  and use the following functions:

- **edit:** Edit the image.
- **add to favorites:** Add the image to favourites.
- **save to SkyDrive:** Upload the image to the SkyDrive storage. This feature may be labelled differently depending on the account settings.
- **apps...:** See image editors downloaded from the **Store**.

## Deleting images

Use one of the following methods:

- In a folder, tap , select images by ticking, and then tap .
- When viewing an image, tap  → **delete**.

## Sharing images

Use one of the following methods:

- In a folder, tap , select images by ticking, and then tap  to send them to others.
- When viewing an image, tap  → **share...** to send it to others.

## Setting as wallpaper for the lock screen

When viewing an image, tap  → **set as lock screen** to set the image as wallpaper for the lock screen.

## Live Wallpaper

Use this application to make a slideshow wallpaper for the lock screen.

Tap **Live Wallpaper** on the Applications screen.

Tap **choose picture**, select a folder, select images, and then tap . To take a photo to add it to the slideshow, tap .

Tap **yes** to set the slideshow as wallpaper.

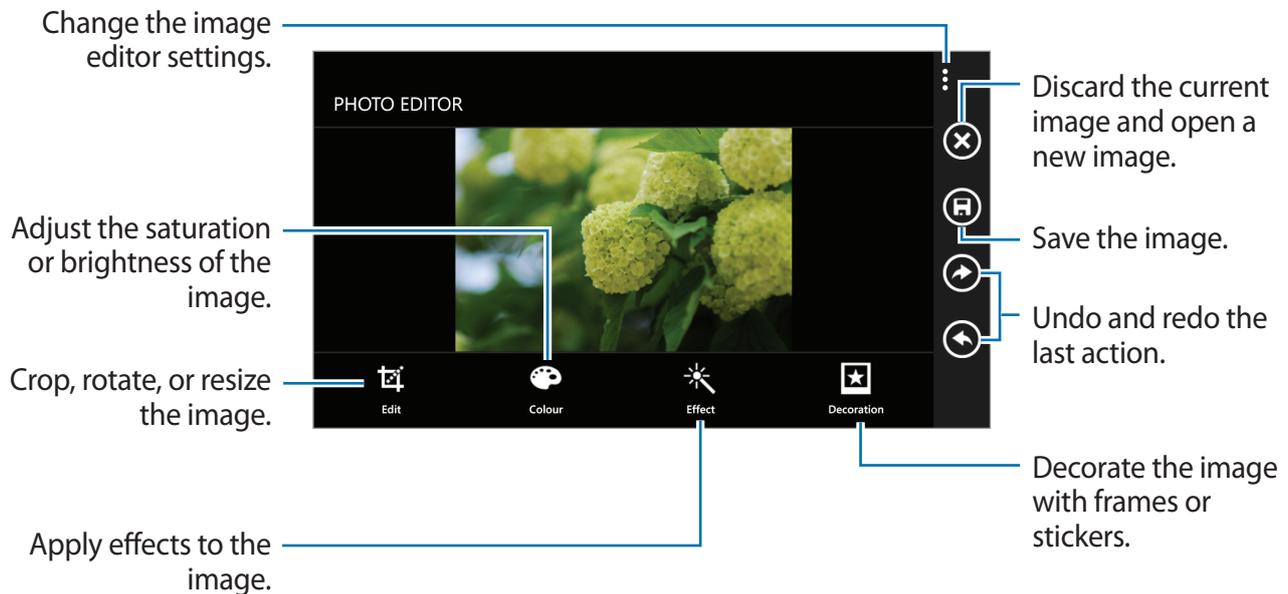
## Photo Editor

Use this application to embellish photos by applying various effects, such as the oil paint effect.

Tap **Photo Editor** on the Applications screen.

To open an image, select one of the following:

- : Select from among the images saved in the device.
- : Take a photo to edit.



To finish, tap  → **ok**.

## Now

Use this application to get weather forecasts, recent news articles, or stock information. Tap **Now** on the Applications screen.

### Viewing weather information

Scroll to **weather** to view the current weather and forecast.

To add the current location, tap  → **Add a city** → .

To add other locations, tap  → **Add a city**.

To update weather forecast, tap .

### Reading news articles

Scroll to **news** to view the news articles. Select an article to read.

To add a news category, tap  → **Add a category**.

### Viewing stock information

Scroll to **stocks** to view stock information. Select a stock to monitor.

To add a stock item, tap  → **Add a stock**.

### Checking currencies

Scroll to **currency** to view currency information. Select a currency to check.

To add a currency, tap  → **Add currency**.

### Viewing Tweeter posts

Scroll to **top tweets** to view Twitter posts. Select a post to view.

To add a region to view Twitter posts, tap  → **Add a country**.

# Application & media stores

## Store

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

Tap **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 **buy**, 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.

## Games

Use this application to purchase and download games.

Tap **Games** on the Applications screen.



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

Scroll to **collection**, and then select a game. To download more games, tap **get more games**.

To access Xbox game services, scroll to **xbox**, and then sign in to your Xbox account.

## Music Hub

Use this application to purchase and download songs.

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



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

Tap , and then enter a keyword to search for. Select one from the list of search results.

To buy an album, select an album, tap , and then follow on-screen instructions to complete the purchase process.

# Utilities

## OneNote

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

Tap **OneNote** on the Applications screen.

### Composing notes

Tap , and then enter a note.

To create a task list, tap .

To create a bulleted list, tap .

To insert an image, tap .

To insert a voice recording, tap .

### Browsing notes

Browse notes by scrolling up or down.

To search for a note, tap .

To sync notes with Microsoft accounts, tap  → **sync**.

To view the sync status, tap  → **view sync status**.

To delete notes, tap  → **select pages**.

## Viewing a note

Tap the note to open it.

To sync the notes with Microsoft accounts, tap  → **sync**.

To send the note to others, tap  → **share...**

To add the note to the Start screen, tap  → **pin to start**.

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

To view the sync status, tap  → **view sync status**.

To edit the note, tap the screen.

To play the voice recording, tap .

## Calendar

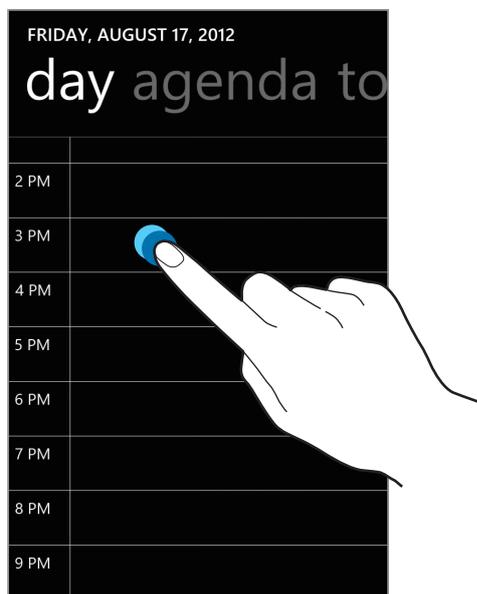
Use this application to manage events and tasks.

Tap **Calendar** on the Applications screen.

### Creating events or tasks

In **day** or **agenda**, tap , and then enter an event with an optional repeat setting. In **to-do**, tap , and then enter a task with an optional priority setting.

To add an event briefly, tap a time slot.



Enter a title and specify which calendar to use or sync with. Then tap **more details** to add more details, such as how often the event repeats, or when an advance alert for the event appears.

### Deleting events

Select an event, and then tap .

## Family Story

Use this application to share your stories with people.

Tap **Family Story** on the Applications screen.

### Adding members to your family

Tap , and then invite members by phone number, email address, or family TV.

### Creating stories

Tap , select a story category, enter details, and then tap  to share the story.

### Viewing stories

In **Cover Story**, select an image.

Tap **Go to story of the day** to view stories by date.

To add a comment on a story, tap **Tap to add comment**.

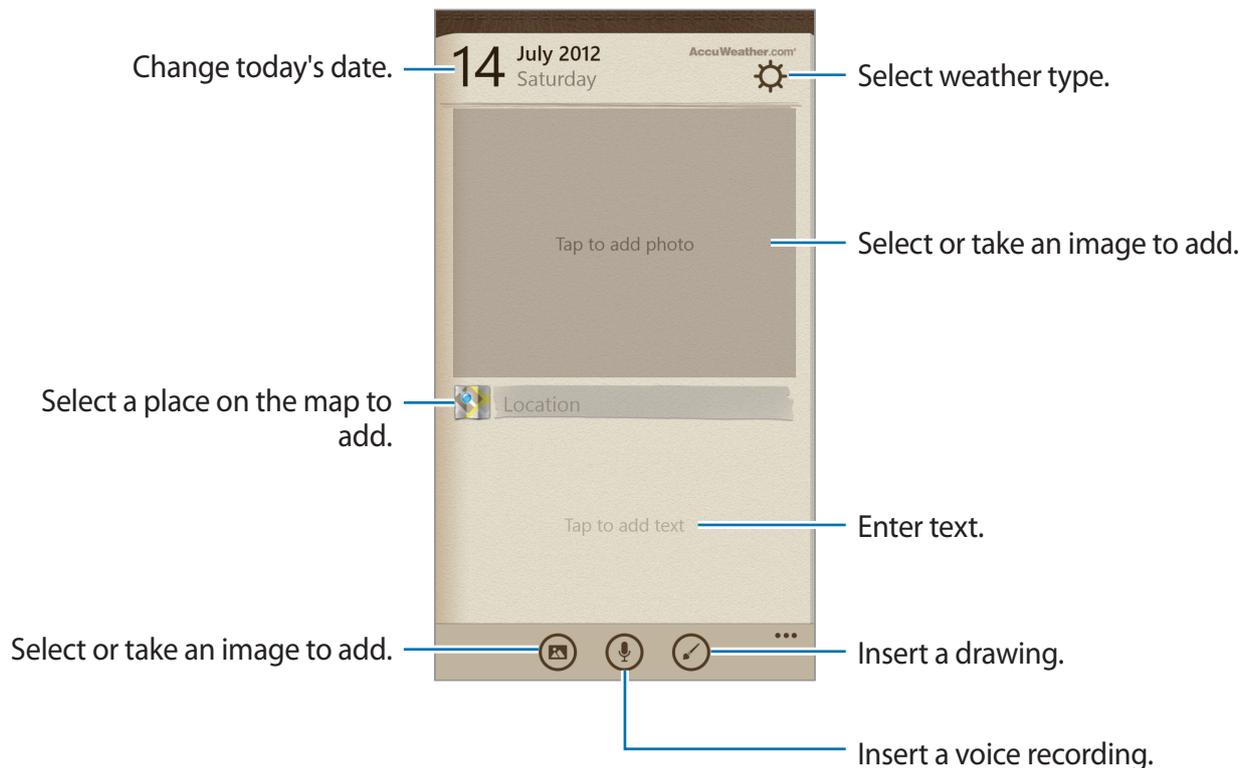
## MiniDiary

Use this application to create a diary using images, text, and even geolocators.

Tap **MiniDiary** on the Applications screen.

### Writing diary

Tap  to create a diary entry.



### Reading diary

Tap an entry to read it.

Scroll left or right to view the previous or next entry.

To search for an entry, tap .

To sort entries by date or location, scroll to **Date** or **Location**.

To send diary to others or share it, tap the entry and then tap .

## Office

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

Tap **Office** on the Applications screen.

### Creating documents

In **recent**, tap , and then select a document type.

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

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

### Reading documents

In **places**, tap **phone** or **email**, and then select a file to open.

### Downloading documents

Create a SkyDrive or Office 365 account to access online document storage.

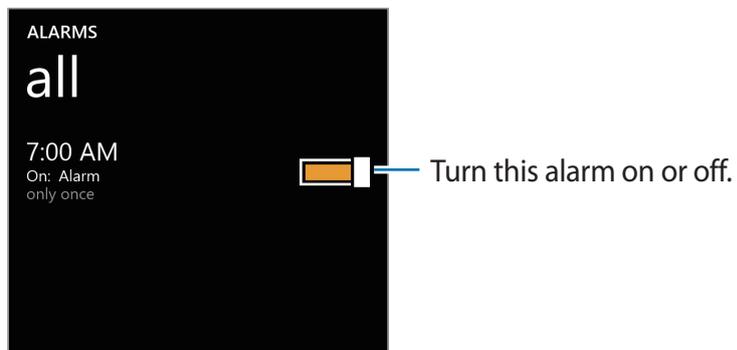
In **places**, tap **SkyDrive** or **Office 365**.

To download a document from the website, open the document, tap  → **save as...**, and then save it to the device.

## Alarms

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

Tap **Alarms** on the Applications screen.



### Setting alarms

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

### Stopping alarms

Tap **dismiss** to stop an alarm. Tap **snooze** to repeat the alarm after a specified length of time.

### Deleting alarms

Select an alarm, and then tap .

## 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.

## Wallet

Use this application to add credit or debit card information for mobile payments or manage the payment history.

Tap **Wallet** on the Applications screen.

### Adding credit or debit card information

In **all**, tap , select a card type, and then enter card information.

### Adding the purchase history

In **deals**, tap  → add deal info, and then enter deal information.

### Setting a Wallet PIN

Tap  → **settings+PIN** → drag the **Wallet PIN** switch to the right.

Enter at least four numbers and enter the password again to verify it.

Tick **Use Wallet PIN to protect music, app, and in-app purchases**.

# 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 , enter an address, and then tap . Select a location to view the detailed location information. To search for nearby locations, tap .

Once the location is found, use the following icons:

- : Search for nearby places by category.
- : Get direction for the location.
- : View current location.

## Getting directions for a destination

Tap , enter starting and ending locations, and then tap .

# Settings

## About Settings

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

### system

Change the settings for the device's system.

### ringtones+sounds

- **Ringer:** Activate silent mode to mute all sounds, except media sounds and alarm ringtones.
- **Vibrate:** Set when the device vibrates for notification events.
- **Ringtone:** Select a ringtone to alert you to incoming calls.
- **New text or IM:** Select a ringtone to alert you to incoming text messages or instant messages.
- **New voicemail:** Select a ringtone to alert you to incoming voicemails.
- **New email:** Select a ringtone to alert you to incoming emails.
- **Play a sound for:** Set the device to sound for various events.

### theme

- **Background:** Select a background colour.
- **Accent colour:** Select a colour for the highlight.

## email+accounts

Add or view email and SNS accounts.

## internet sharing

Use the portable Wi-Fi hotspot to share the device's mobile network connection with computers or other devices through the Wi-Fi network.

## lock screen

- **Background:** Select an image to display when the screen is locked.
- **Show artist when playing music:** Set to show artist information of the currently-playing song on the lock screen.
- **Choose an app to show detailed status:** Select an application to display detailed status on the lock screen.
- **Choose apps to show quick status:** Select applications to display brief status on the lock screen.
- **Screen times out after:** Set the length of time the device waits before turning off the display's backlight.
- **Password:** Set a password to unlock the screen.

## WiFi

- **WiFi networking:** Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices.
- **advanced:**
  - **Notify me when new networks are found:** Set the device to detect open Wi-Fi networks and alert you when available.
  - **Send information about WiFi connections to help discover nearby WiFi:** Set the device to send information about the current Wi-Fi network to Microsoft.

## Bluetooth

Turn the Bluetooth wireless feature on or off.

## tap+send

Activate the NFC sharing to send data, such as images, websites, and contacts, to NFC-enabled devices. When you touch the back of your device to the back of another device, the selected data is sent to the other device automatically.

## flight mode

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

## mobile network

- **Data connection:** Use to allow packet switching data networks for network services.
- **Data roaming options:** Use the device to connect to another network when you are roaming or your home network is not available.
- **Highest connection speed:** Select a speed for connecting to the mobile network.
- **Network selection:** Select a network selection method.
- **add internet apn:** Set up access point names (APNs) for the Internet.
- **add mms apn:** Set up access point names (APNs) for multimedia messages.
- **sim applications:** Access a variety of additional services offered by the service provider. Depending on your SIM or USIM card, this option may be available but labelled differently.

## children's corner

Set to limit children's access to media files or applications.

### Activating children's corner

Drag the **Children's Corner** switch to the right to activate children's corner. Select files or applications to use in children's corner, and then tap .

### Accessing children's corner

On the Settings screen, tap **launch children's corner**. You can also scroll left on the lock screen, and then drag the lock screen wallpaper upwards. When the screen is turned off, children's corner is closed.

## location

Activate or deactivate the GPS feature.

## battery saver

- **Battery Saver:** Activate power-saving mode to reduce battery consumption.
- **advanced:** Select a power level at which the device automatically switches to power-saving mode.

## phone 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.

## backup

Set to back up settings and application data to the Microsoft server.

## date+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.

- **24-hour clock:** Display time in 24-hour format.
- **Set automatically:** Automatically update the time when moving across time zones.
- **Time zone:** Select the home time zone.
- **Date:** Set the current date manually.
- **Time:** Set the current time manually.

## brightness

- **Automatically adjust:** Set to automatically adjust the brightness of the display.
- **Level:** Set the brightness of the display.

## keyboard

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

- **Keyboard:**
  - **Suggest text:** Set the device to predict words according to input and display word suggestions.
  - **Highlight misspelled words:** Set the device to automatically highlight misspelt words.
  - **Correct misspelled words:** Set the device to automatically correct misspelt words.
  - **Insert a space after selecting a suggestion:** Set the device to insert a space after you select a word from the suggestions list.
  - **Insert a period after double-tapping the SPACEBAR:** Set the device to insert a full stop when you double-tap the space bar.
  - **Capitalise the first letter of a sentence:** Set the device to automatically capitalise the first character after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
- **advanced:**
  - **reset suggestions:** Delete words added to the suggestions list.
  - **Improve suggestions by sending information about my keyboard usage to Microsoft:** Set the device to send feedback about how you use the keyboard to Microsoft.

## language+region

- **Phone language:** Select a display language for all menus and applications.
- **Country+region:** Select a country or a region for the display format.
- **Region format:** Select a region for the display format. This option affects the time and date format or units.
- **Browser & search language:** Select a language for web browsing and searching.

## easy of access

- **Text size:** Change the font size.
- **High contrast:** Reverse the display colours to improve visibility.
- **Screen magnifier:** Magnify the screen by double-tapping with two fingers.
- **Speech for phone accessibility:** Set the device to read aloud the caller's name or phone number when a call comes in.

## speech

- **Use Speech when the phone is locked:** Set to activate the voice recogniser feature even if the device is locked.
- **Play audio confirmations:** Set the device to provide audible confirmation for voice recognition.
- **Read aloud incoming text messages:** Set the condition for activating the text-to-speech feature when you have an incoming message.
- **Text to Speech voice:** Select a voice type for the text-to-speech feature.
- **Speech language:** Select a language for the text-to-speech feature.
- **Enable Speech Recognition Service:** Set the speech synthesis engine to be used for spoken text.

## find my phone

Set to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Microsoft account.

## phone update

- **check for updates:** Check for new updates and update device software.
- **Tell me when updates are available for my phone:** Set the device to alert you when new updates are available.
- **Automatically download updates if my data settings allow it:** Set the device to automatically update software when new updates are available and the device's network settings allow updates.

## company apps

Set to allow access to business resources according to the security policy used by your company. When you set up an account, your company's IT administrator will be able to encrypt your USB storage and memory card or delete sensitive data remotely if your device is lost or stolen.

## about

Access device information, or reset settings to the factory default values and delete all data.

## feedback

Set the device to send feedback about how you use Windows mobile products.

## additional call

- **call forwarding:** Divert incoming calls to another number.
- **call waiting:** Allow incoming call alerts when a call is in progress.

## advanced text message

Set to receive cell broadcast messages.

## apn

- **Automatic APN:** Set the device to automatically set up access point names (APNs) when the SIM card is inserted.
- **Active APN:** Select an access point name (APN) to use from the APNs list.
- **edit APN:** Add or edit access point names (APNs).

## call blocking

Reject calls from specified phone numbers automatically. Add phone numbers to the reject list.

## contacts import

Import contacts from another device via Bluetooth.

## extra settings

- **Use auto display intensity:** Set to save power by adjusting the background colour.
- **Use echo cancellation:** Set to remove echoing to improve audio quality.
- **Audio output mode:** Set to use the dock speaker when the device is connected to a car or desktop dock.
- **Use key vibration feedback:** Set the device to vibrate when you tap the buttons on the keypad.

## applications

Change the settings for managing applications.

## background tasks

View a list of running applications, or set an application to stop running in the background.

## games

- **Connect with Xbox:** Set to upload game scores and achievements to Xbox Live.
- **Sync game requests:** Set to pair with other devices automatically for playing multiplayer games on Xbox LIVE.
- **Show game notifications:** Set the device to alert you when you receive notifications from Xbox LIVE.

## Internet Explorer

- **Website preference:** Select a display mode for the web browser.
- **Use address bar button for:** Select a function to launch with the address bar button.
- **delete history:** Delete the data, files, and history that have been saved while you were browsing the Internet.
- **advanced settings:** Configure advanced settings for the web browser.

## maps

- **Use my location:** Set to use the location information for better search results.
- **download maps:** Download the map to view it offline.
- **check for updates:** Check for map updates.
- **delete history:** Delete the data and history that have been saved while you were searching for locations.

## messaging

- **Text message backup:** Set to back up text messages to the Microsoft account.
- **Use my location:** Set to attach a GPS location tag to messages.
- **SMS delivery confirmation:** Set the network to inform you when your text messages are delivered.
- **MMS delivery confirmation:** Set the network to inform you when your multimedia messages are delivered.
- **Send MMS acknowledgement:** Set the network to inform senders when you receive multimedia messages from them.
- **Group text:** Set to group messages into threads.
- **Automatically download MMS:** Set to automatically download your multimedia messages to the device when they arrive at the message server.
- **add mms apn:** Set up access point names (APNs) for multimedia messages.

## music+videos

- **Connect with Xbox Music:** Set to synchronise music files with Xbox Music.
- **Xbox Music cloud collection:** Set to automatically download the Xbox music collection.
- **suggestions:** Set the device to suggest more applications from the Microsoft server.

## Office

- **User name:** Enter a user name to identify yourself on memos in documents.
- **Open SharePoint links in the Office hub:** Set to open SharePoint links in Office.
- **reset Office:** Reset Office to the factory default values.

## people

- **import SIM contacts:** Import contacts from the SIM or USIM card.
- **filter my contact list:** Select a filter for contacts displayed in the contacts list.
- **Hide posts from the contacts I've filtered:** Set to show social network posts only from the contacts that are allowed in the contacts list.
- **Sort list by:** Set how to sort the contacts list.
- **Display names by:** Set how to display contact names.
- **Use my location:** Set to use the location information for better search results.
- **Save check-in searches and locations with my Microsoft account to improve search results:** Set to save the check-in searches and locations for your Microsoft account.
- **accounts:** Add, sync, or delete web accounts.

## phone

- **Voicemail number:** Enter the number to access the voicemail service. Obtain this number from the service provider.
- **Call forwarding:** Divert incoming calls to another number.
- **International assist:** Activate or deactivate international assistance to automatically correct some common mistakes in international calls or calls while you are roaming.
- **SIM security:** Activate or deactivate the PIN lock feature to require the PIN before you use the device or access SIM data.

## photos+camera

- **Tap screen to take pictures and videos:** Set to tap the touch screen to take a photo and video.
- **Press and hold camera button to wake up the phone:** Set to turn on the touch screen by pressing the Camera button.
- **Prevent accidental camera launch when phone is locked:** Set not to turn on the camera by pressing the Camera button when the device is locked.
- **Include location info in pictures I take:** Attach a GPS location tag to the photos.



- To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
  - Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **Auto upload:** Set to automatically upload taken photos and videos to the SkyDrive storage or send them to other applications.
- **reset camera:** Reset camera settings.

## search

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

- **Use my location:** Set to use the location information for better search results.
- **Send location information for Microsoft Tags:** Set to use your location information for Microsoft Tags.
- **SafeSearch:** Set the device to filter explicit text and images from search results.
- **Allow search button from lock screen:** Set to use  even if the device is locked.
- **Get suggestions from Bing as I type:** Set to show suggestions when you enter a keyword.
- **Allow Microsoft to store and use images from vision searches:** Set to allow Microsoft to save and use images from your device for Bing Vision searches.
- **suggestions:** Set the device to suggest more applications from the Microsoft server.
- **delete history:** Clear the search history.

## store

- **PIN:** Activate the PIN lock feature to require the PIN before making a purchase.
- **suggestions:** Set the device to suggest more applications from the Microsoft server.

## wallet

Activate the PIN lock feature to require a PIN when using **Wallet**.

# 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 SIM security 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.

## 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 10-13 seconds. The device reboots automatically.

If this does not solve the problem, perform a factory data reset. On the Applications screen, tap **Settings** → **system** → **about** → **reset your phone** → **yes** → **yes**.

## 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 terminals may be dirty. Wipe both gold-coloured contacts with a clean, soft cloth and try charging the battery again.
- If the battery no longer charges completely, dispose of the old battery properly and replace it with a new battery (refer to your local ordinances for proper disposal instructions).

## 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.