

**SONY®**

# User guide

Xperia™ TL  
LT30at

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# Important information

Please read the *Important information* leaflet before using your cell phone.

- ! This User Guide may reference services or applications provided by third parties. Use of such programs or services may require separate registration with the third-party provider and may be subject to additional terms of use. For applications accessed on or through a third-party Web site, please review such Web sites' terms of use and applicable privacy policy in advance. Sony does not warrant or guarantee the availability or performance of any third party Web sites or offered services. Some of the services and features described in this User Guide are not supported in all countries/regions or by all networks and/or service providers in all areas. Without limitation, this applies to the GSM International Emergency Number, 112. Please contact AT&T to determine availability of any specific service or feature and whether additional access or usage fees apply.

Use of certain features and applications described in this guide may require access to the Internet. You may incur data connection charges when you connect to the Internet from your phone. Contact your wireless service provider for more information.

# Android™ – what and why?

Your Xperia smartphone from Sony runs on the Android platform. Android phones can perform many of the same functions as a computer and you can customize them to your own needs. For example, you can add and delete applications, or enhance existing applications to improve functionality. On Google Play™ you can download a range of applications and games from a constantly growing collection. You can also integrate applications on your Android™ phone with other applications and with online services that you use. For example, you can back up your phone contacts, access your different email accounts and calendars from one place, keep track of your appointments, and engage in social networking.

- 💡 Your Android™ phone is pre-loaded with Google™ services. To get the most out of the provided Google™ services, you should have a Google™ account and sign in to it when you first start your phone. You also need to have Internet access to use many of the features in Android™.

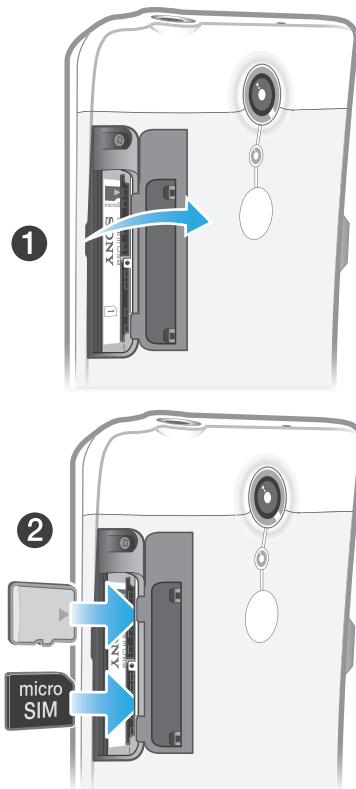
## Applications

An application is a phone program that helps you perform a task. For example, there are applications to make calls, take photos and download more applications.

# Getting started

## Assembly

To insert the memory card and the micro SIM card



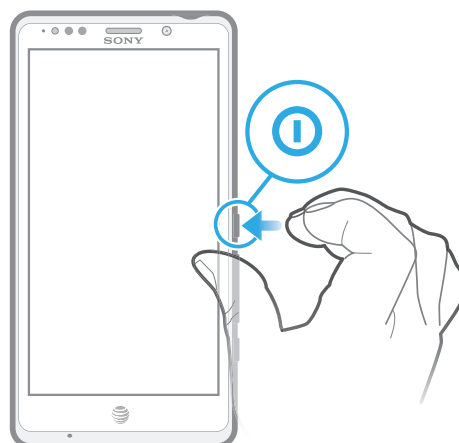
- 1 Remove the cover for the memory card and the micro SIM card.
- 2 Insert the memory card and the micro SIM card into the relevant slots.

! The memory card may not be included at purchase in all markets.



## Turning the phone on and off

To turn on the phone

- ! Make sure the battery is charged for at least 30 minutes before you turn on the phone for the first time.





- 1 Press and hold down the power key ① on the right side of the phone until the phone vibrates.
  - 2 If your screen goes dark, briefly press the power key ① to activate the screen.
  - 3 To unlock the screen, drag  to the right across the screen.
  - 4 Enter your SIM card PIN when requested, and select **OK**.
  - 5 Wait a while for the phone to start.
- 💡 Your SIM card PIN is initially supplied by AT&T, but you can change it later from the **Settings** menu. To correct a mistake made entering your SIM card PIN, tap .

#### To turn off the phone

- 1 Press and hold down the power key ① until the options menu opens.
  - 2 In the options menu, tap **Power off**.
  - 3 Tap **OK**.
- ! It may take a while for the phone to shut down.

## Screen lock

When your phone is on and left idle for a set period of time, the screen darkens to save battery power, and locks automatically. This lock prevents unwanted actions on the touch screen when you are not using it.

#### To activate the screen

- Briefly press the power key ①.

#### To unlock the screen



- Drag  to the right across the screen.

#### To lock the screen manually

- When the screen is active, briefly press the power key ①.

## Accounts and services

Sign in to your online service accounts from your phone and benefit from a range of services. Combine services and get even more out of them. For example, collect contacts from your Google™ and Facebook™ accounts and integrate them into your phonebook, so you have everything in one place.

You can sign up to online services from your phone as well as from a computer. When you sign up for the first time, an account is created with your user name, password, settings and personal information. The next time you sign in, you get a personalized view.

### Google™ account

Having a Google™ account is key to using a range of applications and services with your Android phone. You need a Google™ account, for example, to use the Gmail™ application in your phone, to chat with friends using Google Talk™, to synchronize your phone calendar with your Google Calendar™, and to download applications and games, music, movies and books from Google Play™.

### Microsoft® Exchange ActiveSync® account

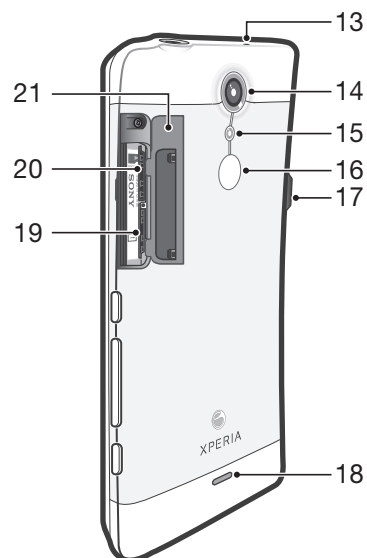
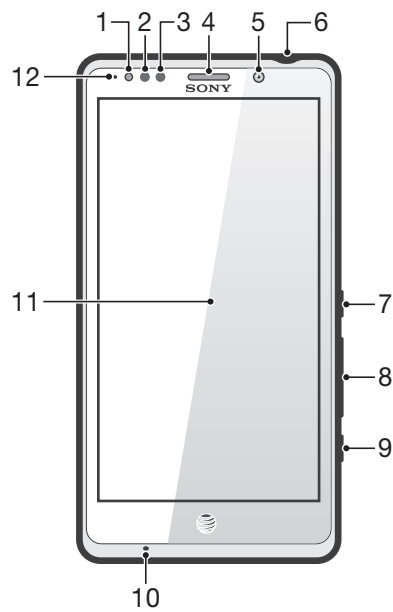
Synchronize your phone with your corporate Microsoft® Exchange ActiveSync® account. This way, you keep your work email, contacts, and calendar events with you at all times.

## **Facebook™ account**

Facebook™ is a social networking service that connects you with friends, family and colleagues around the world. Set up Facebook to work on your phone so that you can stay in touch from anywhere.

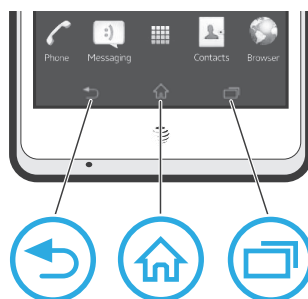
# Getting to know your phone

## Phone overview



- |                       |                                     |
|-----------------------|-------------------------------------|
| 1. Notification LED   | 12. Touchscreen                     |
| 2. Light sensor       | 13. Second microphone               |
| 3. Proximity sensor 1 | 14. Camera lens                     |
| 4. Proximity sensor 2 | 15. Camera LED light                |
| 5. Ear speaker        | 16. NFC detection area              |
| 6. Front camera lens  | 17. Connector for charger/USB cable |
| 7. Headset connector  | 18. Speaker                         |
| 8. Power key          | 19. SIM card slot                   |
| 9. Volume/Zoom key    | 20. microSD™ card slot              |
| 10. Camera key        | 21. SIM card/microSD™ card cover    |
| 11. Main microphone   |                                     |

## Using the keys



### Back

- Go back to the previous screen
- Close the on-screen keypad, a dialog box, an options menu, or the Notification panel



### Home

- Go to the Home screen




### Task

- Tap to open a window showing your most recently used applications and a small apps bar

## Battery

Your phone has an embedded battery.

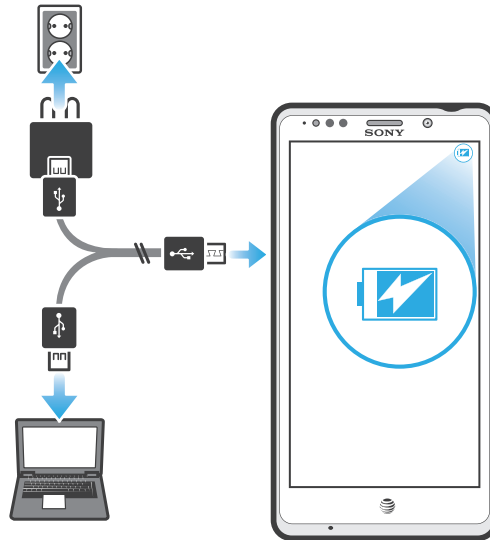
### Charging the battery

Charge your phone for at least 30 minutes before you turn it on for the first time. When you connect the phone charger cable to a power source, such as a USB port or a phone charger, it may take a few minutes before the battery icon  appears on the screen. You can still use your phone while it is charging. Charging the phone over a long period of time, for example, overnight, does not damage the battery or the phone.

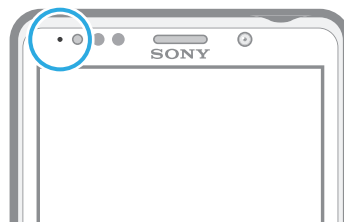


The battery will start to discharge a little after it is fully charged and then it charges again after a certain time when the phone charger is connected. This is to extend battery life and may result in the charge status showing a level below 100 percent.

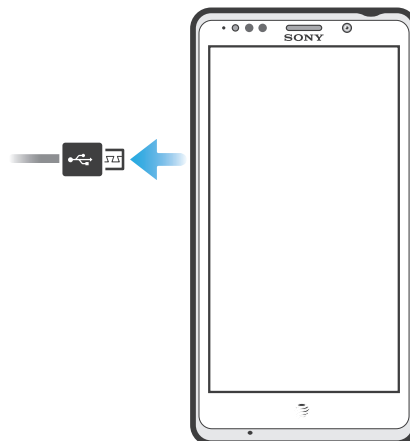
## To charge the phone



- 1 Plug the phone charger into a power outlet.
- 2 Plug one end of the USB cable into the charger (or into the USB port of a computer).
- 3 Plug the other end of the cable into the micro USB port on your phone, with the USB symbol facing up. The battery status LED lights up when charging starts. If the battery is completely discharged, it may take a few minutes before the LED lights up after you connect the phone charger cable to a power source.



- 4 When the battery status LED is green, the phone is fully charged. Disconnect the USB cable from your phone by pulling it straight outwards. Be sure not to bend the connector when removing the cable from the phone.




! Use the charger and USB cable provided with the phone to ensure faster charging.

## Battery LED status

Green	The battery is fully charged
Flashing red	The battery level is low

### To check the battery level


- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **About phone** > **Status** > **Battery level**.

## Improving battery performance


The following tips can help you improve battery performance:

- Charge your phone frequently. This will not affect the lifetime of the battery.
- Downloading data from the Internet is power consuming. When you're not using the Internet, you can save power by disabling all data connections over mobile networks. This setting does not prevent your phone from transmitting data over other wireless networks.
- Turn off GPS, Bluetooth™, and Wi-Fi® when you don't need these features. You can turn them on and off more easily by adding the Quick settings widget to your Home screen.
- Use the **Power Saver** feature to reduce battery consumption. You can select the power saving mode that best suits the way you use your phone. You can also customize the settings of each power saving mode.
- Set your synchronization applications (used to synchronize your email, calendar and contacts) to synchronize manually. You can also synchronize automatically, but increase the synchronization intervals.
- Check the battery usage menu in the phone to see which applications use the most power. Your battery consumes more power when you use video and music streaming applications, such as YouTube™. Some applications downloaded from Google Play™ may also consume more power.
- Close and exit applications that you are not using.
- Lower the screen display brightness level.
- Turn off your phone or activate the **Airplane mode** setting if you are in an area with no network coverage. Otherwise, your phone repeatedly scans for available networks, and this consumes power.
- Use a Sony original handsfree device to listen to music. Handsfree devices demand less battery power than the phone's loudspeakers.
- Keep your phone in standby whenever possible. Standby time refers to the time during which the phone is connected to the network and is not being used.
- Disable any live wallpaper.
- Go to [www.att.com/tutorials](http://www.att.com/tutorials) to get the latest battery performance tips for your phone model.


### To access the battery usage menu

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Battery** to see which installed applications consume the most battery power.

### To add the Data traffic widget to your Home screen

- 1 Tap an empty area of your Home screen.
- 2 Tap .
- 3 Tap **Tools** > **Data traffic**.


### To add the Quick settings widget to your Home screen

- 1 Tap an empty area of your Home screen.
- 2 Tap  > **Tools**.
- 3 Select the **Quick settings** widget.


## Reducing battery consumption with Power Saver

Use pre-set power saving modes to manage power consuming applications and reduce battery consumption. With Power Saver, you can also customize the settings within each power saving mode to the way you use your phone.



### To activate a power saving mode

- 1 From your Home screen, tap .
- 2 Find and tap **Power Saver**.
- 3 Tap the icon next to the power saving mode that you want to activate.



### To deactivate a power saving mode

- 1 From your Home screen, tap .
- 2 Find and tap **Power Saver**.
- 3 Tap the illuminated icon next to the active power saving mode to turn it off.

### To change the settings for a power saving mode

- 1 From your Home screen, tap .
- 2 Find and tap **Power Saver**.
- 3 To open the settings menu, tap the name of a power saving mode.
- 4 Adjust the settings as desired to save power.
- 5 Tap .

### To display power saver notifications

- 1 From your Home screen, tap .
- 2 Find and tap **Power Saver**.
- 3 Tap .
- 4 Mark the **Status bar** checkbox.

## Using the touchscreen

A protective plastic sheet is attached to the screen of your phone when you buy it. You should peel off this sheet before using the touchscreen. Otherwise, the touchscreen might not function properly.

When your phone is on and left idle for a set period of time, the screen darkens to save battery power, and locks automatically. This lock prevents unwanted actions on the touchscreen when you are not using it. You can also set personal locks to protect your subscription and make sure only you can access your phone content.





- ! Your phone screen is made from glass. Do not touch the screen if the glass is cracked or shattered. Avoid trying to repair a damaged screen yourself. Glass screens are sensitive to drops and mechanical shocks. Cases of negligent care are not covered by the Sony warranty service.

### To open or highlight an item

- Tap the item.

### To mark or unmark options



- Tap the relevant checkbox or the switch beside the option name.

	Marked checkbox
	Unmarked checkbox
	Switched on
	Switched off

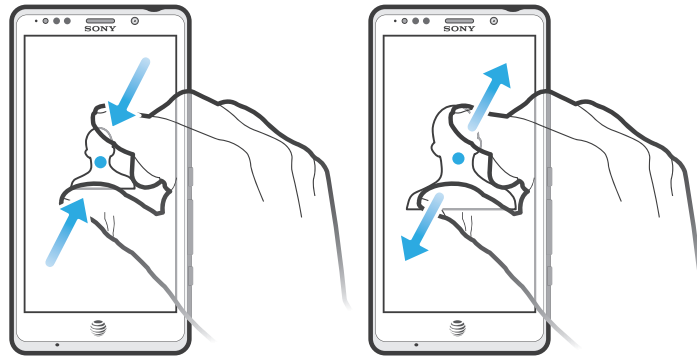
## Zooming

The zoom options available depend on the application you are using.

### To zoom

- When available, tap  or  to zoom in or out.
- ! You may have to drag the screen (in any direction) to make the zoom icons appear.

### To zoom with two fingers



- Place two fingers on the screen at once and pinch them together (to zoom out) or spread them apart (to zoom in).

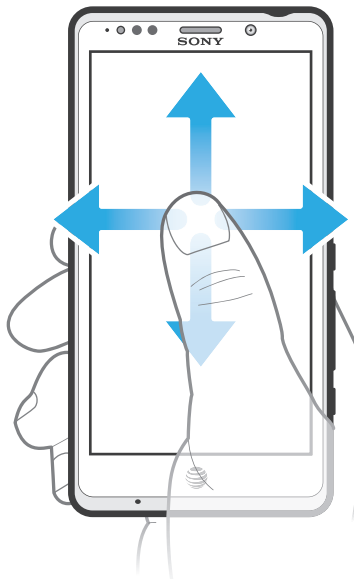
💡 Use the zoom function when viewing photos and maps, or when browsing the Web.

### Scrolling

Scroll by moving your finger up or down on the screen. On some web pages you can also scroll to the sides.

- ! Dragging or flicking will not activate anything on the screen.

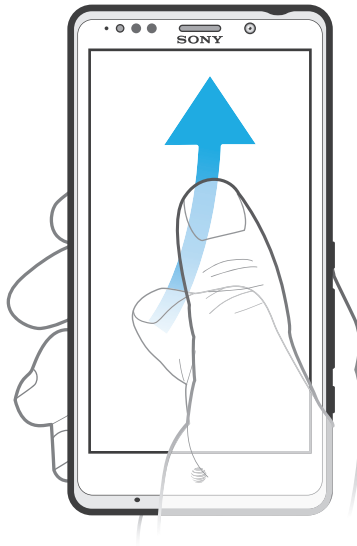
### To scroll



- Drag or flick your finger in the direction you want to scroll on the screen.
- 💡 To scroll more quickly, flick your finger in the direction you want to go on the screen.



## To flick



- To scroll more quickly, flick your finger in the direction you want to go on the screen. You can wait for the scrolling movement to stop by itself, or you can stop it immediately by tapping the screen.


## Sensors

Your phone has sensors that detect both light and proximity. The light sensor detects the ambient light level and adjusts the brightness of the screen accordingly. The proximity sensor turns the touchscreen off when your face touches the screen. This prevents you from unintentionally activating phone functions when you are engaged in a call.

## Using the lockscreen

On the lockscreen, you can still view notifications, for example, notifications of missed calls and messages that arrived since the phone was last locked. You can also control the playback of audio tracks without unlocking the screen.

### To view missed calls from the lockscreen


- 1 To activate the screen, briefly press the power key .
- 2 Drag



to the right across the screen.



### To view new text messages from the lockscreen


- 1 To activate the screen, briefly press the power key .
- 2 Drag




to the right across the screen.





### To play an audio track from the lockscreen

- 1 To activate the screen, briefly press the power key ①.
- 2 To display music player controls, place a finger on the time and date area and flick to the left.
- 3 Tap .

### To pause an audio track from the lockscreen


- 1 To activate the screen, briefly press the power key ①.
- 2 When the music player controls appear, tap .

### To change the currently playing audio track from the lockscreen

- 1 To activate the screen, briefly press the power key ①.
- 2 When the music player controls appear, tap  or .

## Home screen

Your phone's Home screen is the equivalent of the desktop on a computer. It's the gateway to your phone's main features. You can customize your Home screen with widgets, shortcuts, folders, themes, wallpaper, and other items.

The Home screen extends beyond the regular screen display width, so you need to flick left or right to view content in one of the screen's four extensions.  shows which part of the Home screen you are in.



The items in the bar at the bottom of the screen are always available for quick access.

### To go to the Home screen

- Press .

### To browse the Home screen


- Flick right or left.

## Widgets

Widgets are small applications that you can use directly on your Home screen. For example, the Music player widget allows you to start playing music directly.

Some widgets are resizable, so you can expand them to view more content or shrink them to save space on your Home screen.

### To add a widget to the Home screen

- 1 Tap an empty area on your Home screen, then tap .
- 2 Find and tap the widget that you want to add.

### To resize a widget

- 1 Touch and hold a widget until it magnifies and the phone vibrates, then release the widget. If the widget can be resized, for example, the Calendar widget, then a highlighted frame and resizing dots appear.
- 2 Drag the dots inward or outward to shrink or expand the widget.
- 3 To confirm the new size of the widget, tap anywhere on the Home screen.



### To get an overview of all widgets on your Home screen

- Pinch on any area of your Home screen. All widgets from different parts of your Home screen are now displayed in one view.
- 💡 When all Home screen widgets are combined in one view, tap on any widget to go to the part of the Home screen containing that widget.


## Rearranging your Home screen

Customize the appearance of your Home screen and change the features you can access from it. Change the screen background, move items around, create folders, and add shortcuts and widgets.


### To view customization options from the Home screen

- Tap an empty area on your Home screen. Customization options, indicated by  and , appear at the top of your Home screen.

### To add a shortcut to your Home screen

- 1 Tap an empty area on your Home screen, then tap .
  - 2 Tap **Shortcuts**, then find and select a shortcut.
- 💡 Add an application shortcut directly from the Application screen by touching and holding the application.


### To move an item on the Home screen

- 1 Press  to open your Home screen.
- 2 Touch and hold an item until it becomes movable and the phone vibrates, then drag the item to the new location.

### To delete an item from the Home screen

- Touch and hold an item until it magnifies and the phone vibrates, then drag the item to .

### To create a folder on the Home screen

- 1 Press  to open your Home screen.
- 2 Touch and hold an application icon or a shortcut until it magnifies and the phone vibrates, then drag and drop it on top of another application icon or shortcut.
- 3 Enter a name for the folder and tap **Done**.

### To add items to a folder

- Touch and hold an item until it magnifies and the phone vibrates, then drag the item to the folder.


### To rename a folder

- 1 Tap the folder to open it.
- 2 Touch the folder's title bar to show the **Folder name** field.
- 3 Enter the new folder name and tap **Done**.


## Changing the background of your Home screen

Adapt the Home screen to your own style using wallpapers and different themes.

### To change your Home screen wallpaper

- 1 Tap an empty area on your Home screen, then tap .
  - 2 Tap **Wallpaper** and select an option.
- 💡 You can use a photo you have taken, or an animation. Go to Google Play™ and other sources to download, for example, live wallpapers that change with the changing hours of the day.

### To set a theme for your Home screen

- 1 Tap an empty area on your Home screen, then tap .
  - 2 Tap **Theme** and select a theme.
- ! When you change a theme, the background also changes in some applications.

## Accessing and using applications

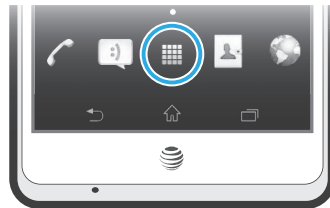
Open applications from shortcuts on your Home screen or from the Application screen.


### Application screen

The Application screen, which you open from your Home screen, contains the applications that come installed with your phone as well as the applications you download.

The Application screen extends beyond the regular screen width, so you need to flick left and right to view all content.

### To open the Application screen




- From your Home screen, tap .

### To browse the Application screen

- From the Application screen, flick right or left.

### To create a shortcut to an application on the Home screen

- 1 From your Home screen, tap .
- 2 Touch and hold an application until it appears on your Home screen, then drag it to the desired location.


## Opening and closing applications

### To open an application

- From your Home screen or the Application screen, tap the application.

### To close an application


- Press .

- 💡 Some applications are paused when you press  to exit, while other applications may continue to run in the background. In the first case, the next time you open the application, you can continue where you left off. Remember that some applications may cause data connection charges when they are running in the background, for example, social networking services.

## Recently used applications window

You can switch between recently used applications from this window. You can also open small apps.


### To open the recently used applications window

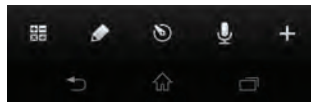
- Press . The recently used applications window appears on the right of the screen.

## Using small apps


From the recently used applications window, you can get quick access to several small apps at any time using the small apps bar. A small app only takes up a small area of your screen. So you can interact with a small app and another application at the same time on the same screen.

### To open the small apps bar


- Press . The small apps bar appears at the bottom of the screen.




### To open a small app

- 1 To make the small apps bar appear, press .
- 2 Tap the small app that you want to open. A small app window appears.


### To close a small app

- Tap  on the small app window.


### To move a small app

- Drag  to move and drop the small app to the desired position.


### To minimize a small app

- Drag  to the right edge or bottom edge of the screen.



### To rearrange your small apps

- 1 To make the small apps bar appear, press .
- 2 Touch and hold a small app and drag it to the desired position in the small apps bar.




### To remove a small app from the small apps bar

- 1 To make the small apps bar appear, press .
- 2 Touch and hold a small app icon and drag it away from the small apps bar.

### To restore a previously removed small app

- 1 To make the small apps bar appear, press .
- 2 Tap  > **Installed small apps**.
- 3 Select the small app that you want to restore.


### To download a small app

- 1 To make the small apps bar appear, press .
- 2 Tap  > .
- 3 Find a small app that you want to download, then follow the instructions to complete the installation.

## Application menu

You can open a menu at any time when you are using an application. The menu will look different depending on which application you are using.

### To open a menu in an application

- While using the application, press .
- ! A menu is not available in all applications.



## Rearranging your Application screen

Move the applications around on the Application screen according to your preferences.

### To arrange applications on the Application screen




- 1 From your Home screen, tap  to go to the Application screen.
- 2 Tap  and select an option.

### To move an application on the Application screen

- 1 Open the Application screen, then tap .
- 2 Touch and hold an item until it magnifies and the phone vibrates, then drag the item to the new location.
- 3 Tap  to exit edit mode.

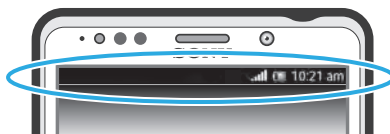
- ! You can only move your applications when  is selected.

### To uninstall an application from the Application screen

- 1 From your Home screen, tap .
- 2 Tap . All uninstalleable applications are marked with a  icon.
- 3 Tap the application you want to uninstall, then tap **OK**.

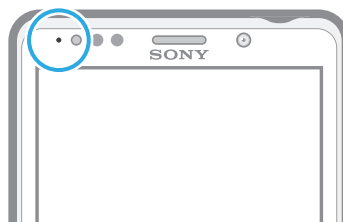
## Status and notifications

The status bar at the top of your screen shows what's going on in your phone. To the left you get notifications when there is something new or ongoing. For example, new message and calendar notifications appear here. The right side shows the signal strength, battery status, and other information.



The status bar allows you to adjust basic settings on your phone, for example, Wi-Fi®, Bluetooth™, data traffic, and sound. You can also open the settings menu from the Notification panel to change other settings.

A notification light also gives you battery status information and some notifications. For example, a flashing blue light means there is a new message or a missed call. The notification light may not work when the battery level is low.



## Checking notifications and ongoing activities

You can drag down the status bar to open the Notification panel and get more information. For example, you can use the panel to open a new message or view a

calendar event. You can also open some applications that run in the background, such as the music player.

#### To open the Notification panel



- Drag the status bar downwards.

#### To close the Notification panel



- Drag the tab at the bottom of the Notification panel upward.

#### To open a running application from the Notification panel

- Tap the icon for the running application to open it.

#### To dismiss a notification from the Notification panel

- Place your finger on a notification and flick left or right.


#### To clear the Notification panel

- From the Notification panel, tap **Clear**.


### Setting your phone from the Notification panel

You can open the settings menu from the Notification panel to adjust basic phone settings. For example, you can turn on Wi-Fi®.


#### To open the phone settings menu from the Notification panel

- 1 Drag the status bar downwards.
- 2 Tap .


### To adjust sound settings from the Notification panel

- 1 Drag the status bar downwards.
- 2 Tap .


### To control the Bluetooth™ function from the Notification panel

- 1 Drag the status bar downwards.
- 2 Tap .

### To control the Wi-Fi® function from the Notification panel

- 1 Drag the status bar downwards.
- 2 Tap .

### To enable or disable data traffic from the Notification panel


- 1 Drag the status bar downwards.
- 2 Tap .

## Phone settings menu

View and change your phone settings from the Settings menu.

### To access the phone settings

- 1 From your Home screen, tap .
- 2 Tap **Settings**.

💡 You can also drag the status bar downward on the Home screen and tap  to access the phone settings.

## Typing text

### On-screen keyboard

Tap the keys of the on-screen QWERTY keyboard to enter text conveniently. Some applications open the on-screen keyboard automatically. You can also open this keyboard by touching a text field.

### Using the on-screen keyboard



- 1 Change the character case and turn on the caps lock. For some languages, this key is used to access extra characters in the language.
- 2 Close the on-screen keyboard view. Note that this icon does not appear in portrait mode.
- 3 Display numbers and symbols.
- 4 Personalize your keyboard. This key disappears after the keyboard is personalized.
- 5 Enter a space.
- 6 Enter a carriage return or confirm text input.



- ! All illustrations are for illustration purposes only and may not accurately depict the actual phone.


#### To display the on-screen keyboard to enter text

- Tap a text entry field.

#### To hide the on-screen keyboard

- When the on-screen keyboard is open, press .

#### To personalize the on-screen keyboard

- 1 Open the on-screen keyboard, then tap .
  - 2 Follow the instructions to personalize your on-screen keyboard, for example, mark the **Smiley key** checkbox.
- 💡 If you don't mark the **Smiley key** checkbox when you personalize the on-screen keyboard, the smiley icon will not appear.



#### To use the on-screen keyboard in landscape orientation

- When you enter text, turn the phone sideways.
- 💡 For the keyboard to support this feature, landscape mode must be supported by the application you are using, and your screen orientation settings must be set to automatic.

#### To enter text using the on-screen keyboard

- To enter a character visible on the keyboard, tap the character.
- To enter a character variant, touch and hold a regular keyboard character to get a list of available options, then select from the list. For example, to enter "é", touch and hold "e" until other options appear, then, while keeping your finger pressed on the keyboard, drag to and select "é".



#### To shift between upper-case and lower-case letters

- Before you enter a letter, tap  to switch to upper-case , or vice versa.

#### To turn on the caps lock

- Before you type a word, tap  or  until  appears.

#### To enter numbers or symbols

- When you enter text, tap . A keyboard with numbers and symbols appears. Tap  to view more options.

#### To enter common punctuation marks

- 1 When you finish entering a word, tap the space bar.
  - 2 Select a punctuation mark from the candidate bar. The selected mark is inserted before the space.
- 💡 To quickly enter a full stop, tap the space bar twice when you finish entering a word.

#### To delete characters

- Tap to place the cursor after the character you want to delete, then tap .

#### To enter a carriage return

- When you enter text, tap  to enter a carriage return.

#### To use the magnifier

- When you enter text, tap and hold on the text field to view the text magnified and to place the cursor where you want within the text field.

### To select text

- 1 When you enter text, double-tap within the text field.
- 2 The word you tap gets highlighted by tabs on both sides. Drag the tabs left or right to select more text.

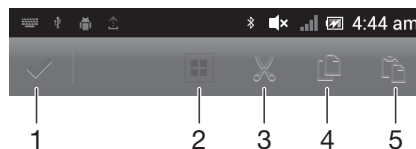
### To edit text in landscape orientation

- 1 When you enter text, double-tap the text field to make **Edit...** appear.
  - 2 Select the text you want to work with, then tap **Edit...** and select an option.
- ! To paste text from the clipboard, you can also double-tap the text field to make **Paste** appear, then tap **Paste**.


### To edit text in portrait orientation

- 1 When you enter text, double-tap the text field to make the application bar appear.
  - 2 Select the text you want to edit, and then use the application bar to make your desired changes.
- ! To paste text from the clipboard, you can also double-tap the text field to make **Paste** appear, then tap **Paste**.

## Application bar



- 1 Close the application bar
- 2 Select all text
- 3 Cut text
- 4 Copy text
- 5 Paste text


- !  only appears when you have text stored on the clipboard.

## Using the Gesture input function to write words


You can input text by sliding your finger from letter to letter on the on-screen keyboard. You can lift your finger between words so that the phone recognizes them.

- ! **Gesture input** is only available when you use the on-screen keyboard.

### To enter text using the Gesture input function

- 1 When you enter text using the on-screen keyboard, slide your finger from letter to letter to trace the word you want to write. Lift up your finger when you've finished entering a word.
  - 2 The phone suggests a word based on the letters you have traced. If necessary, select the correct word in the candidate bar. To view more options, scroll right or left in the word candidate bar. If you cannot find the desired word, tap  once to delete the entire word. Then try again to trace the word using the Gesture input function, or tap each letter to enter the word.
  - 3 If the **Space between gestures** setting is activated, trace the next word that you want to enter. If not, tap the space bar and then trace the next word you want to enter.
- 💡 To enter joined compound words when the **Space between gestures** setting is activated, you may need to slide to enter the first part of the word, then tap each letter to enter the rest of the word.

### To change the Gesture input settings

- 1 When you enter text using the on-screen keyboard, tap **12!?**.
- 2 Tap , then tap **Keyboard settings**.
- 3 Tap **Text input settings**.
- 4 Mark or unmark the **Gesture input** checkbox.
- 5 If you want to automatically add a space between gestures without having to tap the space bar each time, mark the **Space between gestures** checkbox.

## Phonepad

The Phonepad is similar to a standard 12-key telephone keypad. It gives you predictive text and multi-tap input options. You can activate the Phonepad text input method via the keyboard settings. The Phonepad is only available in portrait orientation.


### Using the Phonepad



- 1 Choose a text input option
- 2 Change the character case and turn on the caps lock
- 3 Display numbers
- 4 Display symbols and smileys
- 5 Enter a space
- 6 Enter a carriage return or confirm text input
- 7 Delete a character before the cursor




! All illustrations are for illustration purposes only and may not accurately depict the actual phone.

### To open the Phonepad for the first time

- 1 Tap a text entry field, then tap **12!?**.
- 2 Tap , then tap **Keyboard settings**.
- 3 Tap **Keyboard appearance > Keyboard layout**.
- 4 Select the Phonepad.

💡 The Phonepad can only be used in portrait mode.

### To enter text using the Phonepad

- When  appears in the Phonepad, tap each character key only once, even if the letter you want is not the first letter on the key. Tap the word that appears or tap  to view more word suggestions and select a word from the list.
- When  appears in the Phonepad, tap the on-screen key for the character you want to enter. Keep pressing this key until the desired character is selected. Then do the same for the next character you want to enter, and so on.

### To enter numbers using the Phonepad

- When the Phonepad is open, tap . A Phonepad with numbers appears.




### To insert symbols and smileys using the Phonepad

- 1 When the Phonepad is open, tap . A grid with symbols and smileys appears.
- 2 Scroll up or down to view more options. Tap a symbol or smiley to select it.




## Keyboard and Phonepad settings



You can select settings for the on-screen keyboard and the Phonepad, such as writing language and automatic correction.

### To access the on-screen keyboard and Phonepad settings

- 1 When you enter text using the on-screen keyboard or Phonepad, tap  or .
- 2 Tap , then tap **Keyboard settings**.

### To add a writing language for text input



- 1 When you enter text using the on-screen keyboard or Phonepad, tap  or .
- 2 Tap , then tap **Keyboard settings**.
- 3 Tap **Languages > Writing languages** and mark the relevant checkboxes. Tap **OK** to confirm.

-  To switch between languages, tap the input language key, for example, .

## Text input settings


When entering text using the on-screen keyboard or the Phonepad, you can access a text input settings menu that helps you set options for text prediction. For example, you can decide how you want the phone to present word alternatives and correct words as you type, or enable the text input application to remember new words you write.

### To change the text input settings






- 1 When you enter text using the on-screen keyboard or the Phonepad, tap  or .
- 2 Tap **Keyboard settings > Text input settings** and select the relevant settings.

## Entering text using voice input




When you enter text, you can use the voice input function instead of typing the words. Just speak the words that you want to enter. Voice input is an experimental technology from Google™, and is available for a number of languages and regions.

-  You must have a data connection on a mobile or Wi-Fi® network to use this service. Additional charges may apply.

### To enable voice input

- 1 When you enter text using the on-screen keyboard or the Phonepad, tap  or .
- 2 Tap , then tap **Keyboard settings**.
- 3 Mark the **Google voice typing key** checkbox.
- 4 Press  to save your settings. A microphone icon  appears on your on-screen keyboard or Phonepad.

### To enter text using voice input

- 1 When you enter text, make sure that the voice input function is enabled and that you have a working data connection.
- 2 When  appears on your on-screen keyboard or Phonepad, tap it. When the input language key, for example, , appears, touch and hold it.
- 3 When  appears, speak to enter text or select a dictation language. When you're finished, tap **Done**.
- 4 The suggested text appears. Tap the suggested text to make the search result list appear, then select the words you want.

## Customizing your phone

Adapt the phone to your needs by adjusting, for example, your personal ringtone, phone language and your Privacy settings.

### Adjusting the volume

You can adjust the ringtone volume for phone calls and notifications as well as for music and video playback.

#### To adjust the ring volume with the volume key

- Press the volume key up or down.


#### To adjust the media playing volume with the volume key



- When playing music or watching video, press the volume key up or down.

### Adjusting the sound settings


You can adjust the sound settings in your phone. For example, you can set your phone to silent mode so that it doesn't ring when you're in a meeting.



#### To set the phone to silent mode

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Sound**.
- 3 Select **Silent mode**, then select **Mute**.


- 💡 You can also tap  from the **Phone options** menu to set the phone to silent mode. To access the **Phone options** menu, press and hold down the power key .

#### To set the phone to vibrate mode


- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Sound**.
- 3 Select **Silent mode**, then select **Vibrate**.

- 💡 You can also tap  from the **Phone options** menu to set the phone to vibrate mode. To access the **Phone options** menu, press and hold down the power key .

#### To set the phone to vibrate and ring mode

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Sound**.
- 3 Select **Silent mode**, then select **Off**.
- 4 Mark the **Vibrate on ring** checkbox.


#### To enhance the speaker loudness

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Sound**.
- 3 Mark the **xLOUD™** checkbox.


## Time and date

You can change the time and date in your phone.


### To set the date manually

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Date & time**.
- 3 Unmark the **Automatic date & time** checkbox, if it is marked.
- 4 Tap **Set date**.
- 5 Adjust the date by scrolling up and down.
- 6 Tap **Set**.


### To set the time manually

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Date & time**.
- 3 Unmark the **Automatic date & time** checkbox if it is marked.
- 4 Tap **Set time**.
- 5 Scroll up or down to adjust the hour and minute.
- 6 If applicable, scroll up to change **am** to **pm**, or vice versa.
- 7 Tap **Set**.

### To set the time zone


- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Date & time**.
- 3 Unmark the **Automatic time zone** checkbox, if it is marked.
- 4 Tap **Select time zone**.
- 5 Select an option.

### To set the date format

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Date & time** > **Select date format**.
- 3 Select an option.

## Ringtone settings


### To set a phone ringtone

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Sound** > **Phone ringtone**.
- 3 Select a ringtone.
- 4 Tap **Done**.

### To enable touch tones



- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Sound**.
- 3 Mark the **Dial pad touch tones** and **Touch sounds** checkboxes.

### To select a notification ringtone


- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Sound** > **Default notification**.
- 3 Select a ringtone.
- 4 Tap **Done**.

## Screen settings




### To adjust the screen brightness

- 1 From your Home screen, tap .
  - 2 Find and tap **Settings** > **Display** > **Brightness**.
  - 3 Drag the slider to adjust the brightness.
  - 4 Tap **OK**.
-  The brightness level affects your battery performance. For tips on how to improve battery performance, see *Improving battery performance* on page 14.


### To set the screen to vibrate

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Sound**.
- 3 Mark the **Vibrate on touch** checkbox. The screen now vibrates when you tap soft keys and certain applications.

### To adjust the idle time before the screen turns off

- 1 From your Home screen, tap .
  - 2 Find and tap **Settings** > **Display** > **Sleep**.
  - 3 Select an option.
-  To turn off the screen quickly, briefly press the power key .





### To keep the screen active while the phone is charging

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Developer options**.
- 3 Mark the **Stay awake** checkbox.

## Phone language

You can select a language to use in your phone.

### To change the phone language




- 1 From the Home screen, tap .
  - 2 Find and tap **Settings** > **Language & input** > **Language**.
  - 3 Select an option.
  - 4 Tap **Done**.
-  If you select the wrong language and cannot read the menu texts, find and tap . Then select the text beside , and select the first entry in the following menu. You can then select the language you want.

## Flight mode

In Airplane mode, your phone's network and radio transceivers are turned off to prevent disturbance to sensitive equipment. However, you can still play games, listen to music, watch videos and other content, as long as all this content is saved on your memory card or internal storage. You can also be notified by alarms, if alarms are activated.

-  Turning on Airplane mode reduces battery consumption.

### To turn on Airplane mode


- 1 From your Home screen, tap .
  - 2 Find and tap **Settings** > **More....**
  - 3 Mark the **Airplane mode** checkbox.
-  You can also select **Airplane mode** from the **Phone options** menu. To access the **Phone options** menu, press and hold down the power key .

## Memory

You can save content to a memory card, to your phone's internal storage, and to the phone memory. Music, video clips, and photos are saved to the internal storage or the memory card while applications, contacts, and messages are saved to the phone memory.

- ! You can move some applications from the phone memory to the internal storage.

### To move an application to the phone's internal storage

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Apps**.
- 3 Select the application that you want to move to the internal storage.
- 4 Tap **Move to internal storage**.

- 💡 It is not possible to move some applications from the phone memory to the internal storage.

## Memory card

Your phone is preloaded with a microSD™ memory card, which is used for media content. This type of card can also be used as a portable memory card with other compatible devices.

- 💡 Higher capacity memory cards are available for purchase as optional accessories.

## Safely removing the memory card

You can safely remove the memory card from your phone any time when the phone is turned off. If you want to remove the memory card when your phone is on, you must first unmount the memory card before you physically remove it from the phone. This can prevent damaging the memory card or losing data stored on the memory card.

### To unmount the memory card

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Storage** > **Unmount SD card**.

## Formatting the memory card

You can format the memory card in your phone, for example, to free up memory. This means that you erase all data on the card.

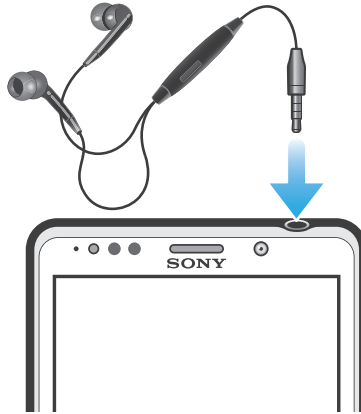
- ! All content on the memory card gets erased when you format it. Make sure you make backups of everything you want to save before formatting the memory card. To back up your content, you can copy it to your computer. For more information, refer to the chapter *Connecting your phone to a computer* on page 115.

### To format the memory card

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Storage** > **Unmount SD card**.
- 3 After you have unmounted the memory card, tap **Erase SD card**.



## Using a headset with your phone



- ! Use the accessories provided with your phone, or other compatible accessories, for optimal performance.

### To use a headset

- 1 Connect the headset to your phone.
- 2 To answer a call, press the call handling key.
- 3 To end the call, press the call handling key.

- ! If a headset is not included with the phone, you may purchase one separately.

- 💡 If you are listening to music, the music stops when you answer a call and resumes after you end the call.

## Controlling data usage


Keep track of and control the amount of data transferred to and from your phone during a given period. For example, you can set data usage warnings and limits for your phone to avoid additional charges. You can also limit the amount of data used by individual applications.

- ! Adjusting data usage settings can help you keep greater control over data usage but cannot guarantee the prevention of additional charges.

### To access data usage settings


- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Data usage**.

### To turn data traffic on or off


- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Data usage**.
- 3 To turn data traffic on or off, tap the on-off switch beside **Mobile data** accordingly.

- 💡 You can also turn data traffic on or off by marking or unmarking the **Data enabled** checkbox under **Settings** > **More...** > **Mobile networks**.


### To set a data usage warning

- 1 Make sure that you have turned on data traffic.
- 2 From your Home screen, tap .
- 3 Find and tap **Settings** > **Data usage**.
- 4 To set the warning level, drag the lines to the desired values. You receive a warning notification when the amount of data traffic approaches the level you set.

### To set a data usage limit

- 1 Make sure that you have turned on data traffic.
  - 2 From your Home screen, tap .
  - 3 Find and tap **Settings** > **Data usage**.
  - 4 Mark the **Set mobile data limit** checkbox if it is not marked, then tap **OK**.
  - 5 To set the data usage limit, drag the lines to the desired values.
- ! Once your data usage reaches the set limit, data traffic on your phone will be turned off automatically.

### To control the data usage of individual applications



- 1 From your Home screen, tap .
  - 2 Find and tap **Settings** > **Data usage**.
  - 3 Find and tap the desired application.
  - 4 Make the necessary adjustments to change the data usage limit, restrict background data, or restrict all data traffic for the application.
  - 5 To access more specific settings for the application, tap **View app settings** and make the desired changes.
- ! Specific settings for an application may not always be accessible.
- 💡 The performance of individual applications may be affected if you change the related data usage settings.


# Calling

## Emergency calls


Your phone supports international emergency numbers, for example, 112 or 911. You can normally use these numbers to make emergency calls in any country, with or without the SIM card inserted if you are within range of a network.

### To make an emergency call

- 1 From your Home screen, tap .
- 2 Find and tap **Phone**.
- 3 Enter the emergency number and tap **Call**. To delete a number, tap .

 You can make emergency calls when no SIM card is inserted or when outgoing calls are barred.



### To make an emergency call while the SIM card is locked

- 1 Tap **Emergency call**.
- 2 Enter the emergency number and tap **Call**. To delete a number, tap .


## Call handling

You can make a call by manually dialing a phone number, by tapping a number saved in your phone's contact list, or by tapping the phone number in your call log view. You can also use the smart dial feature to quickly find numbers from your contact list and call logs.

### To make a call by dialing

- 1 From your Home screen, tap .
- 2 Find and tap **Phone**.
- 3 Enter the number of the recipient and tap **Call**. To delete a number, tap .


### To make a call using smart dial

- 1 From your Home screen, tap .
- 2 Find and tap **Phone**.
- 3 Use the dialpad to enter letters or numbers that correspond to the contact you want to call. As you enter each letter or number, a list of possible matches appears.
- 4 Tap the contact you want to call.

### To end a call


- Tap .

### To make an international call

- 1 From your Home screen, tap .
- 2 Find and tap **Phone**.
- 3 Touch and hold 0 until a "+" sign appears.
- 4 Enter the country code, area code (without the first 0), and phone number, then tap **Call**.

### To answer a call



- Drag  to the right across the screen.
- ! If you are using regular headphones without a microphone, you have to remove the headphones from the headset connector to be able to answer the call.

### To decline a call

- Drag  to the left across the screen.

### To reject a second call

- When you hear repeated beeps during a call, tap **Busy**.

### To change the ear speaker volume during a call

- Press the volume key up or down.

### To turn on the loudspeaker during a call

- Tap .

### To mute the microphone during a call

- Tap .

### To activate the screen during a call

- Press .

### To enter numbers during a call

- 1 During a call, tap . A keypad appears.
- 2 Enter numbers.


### To mute the ringtone for an incoming call

- When you receive the call, press the volume key.




## Recent calls

In the call log, you can view missed , received , and dialed  calls.


### To view your missed calls

- 1 When you have missed a call,  appears in the status bar. Drag the status bar downwards.
- 2 Tap **Missed call**.

### To show the call log

- 1 From your Home screen, tap .
- 2 Find and tap  > .
- 3 Tap **Show call log**.

### To call a number from your call log

- 1 From your Home screen, tap .
- 2 Find and tap **Phone**. The call log view appears on the upper part of the screen.
- 3 To call a number directly, tap the number. To edit a number before calling, touch and hold the number, then tap **Edit number before call**.

- ! You can also call a number by tapping  > **Call back**.


### To add a number from the call log to your contacts

- 1 From your Home screen, tap .
- 2 Find and tap **Phone**. The call log view appears on the upper part of the screen.
- 3 Touch and hold the number, then tap **Add to Contacts**.
- 4 Tap the desired contact, or tap **Create new contact**.
- 5 Edit the contact details and tap **Done**.


## Voicemail

If your subscription includes an answering service, callers can leave a voicemail message when you cannot answer a call. Usually, the voicemail number is saved on the SIM card. If not, contact AT&T to get your voicemail number. You can then enter the number manually.

### To enter your voicemail number

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Voicemail settings** > **Voicemail number**.
- 3 Enter your voicemail number.
- 4 Tap **OK**.


### To call your voicemail service

- 1 From your Home screen, tap .
- 2 Find and tap **Phone**.
- 3 Touch and hold **1**.

## Multiple calls

If you have activated call waiting, you can handle multiple calls at the same time. When it is activated, you will be notified by a beep if you receive another call.




### To activate or deactivate call waiting

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Additional settings**.
- 3 To activate or deactivate call waiting, tap **Call waiting**.

### To answer a second call and put the ongoing call on hold

- When you hear repeated beeps during a call, tap **Answer**.

### To make a second call

- 1 During an ongoing call, tap .
  - 2 Enter the number of the recipient and tap .
  - 3 If the recipient answers, the first call is put on hold.
-  The same procedure applies to subsequent calls.

### To switch between multiple calls

- To switch to another call and put the current call on hold, tap the desired number or contact.




### To end the ongoing call and return to the next call on hold

- Tap .

## Conference calls


With a conference or multiparty call, you can have a joint conversation with two or more people.

### To make a conference call


- 1 During an ongoing call, tap .
- 2 Dial the number of your second participant and tap .
- 3 If the second participant answers, the first call is put on hold.
- 4 Tap .

- 💡 To add more participants, repeat steps 1 to 4.

### To have a private conversation with a conference call participant

- 1 During an ongoing conference call, tap the button showing the number of participants. For example, tap **3 participants** if there are three participants on the call.
- 2 Tap the name of the participant you want to talk to privately.
- 3 To end the private conversation and return to the conference call, tap .

### To release a participant from a conference call

- 1 During an ongoing conference call, tap the button showing the number of participants. For example, tap **3 participants** if there are three participants.
- 2 Tap  next to the participant you want to release.

### To end a conference call


- During the call, tap .

## Call settings

### Barring calls

You can bar all or certain categories of incoming and outgoing calls. When you use call barring for the first time, you need to enter your PUK (Personal Unblocking Key) and then a new password to activate the call barring function.

### To bar incoming or outgoing calls

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Call blocking**.
- 3 Select an option.
- 4 Enter the password and tap **Enable**.

### Rejecting a call with a message

You can reject a call with a predefined message. When you reject a call with such a message, the message is automatically sent to the caller and saved on your phone.

Six messages are predefined in the phone. You can select from these predefined messages, which can also be edited if necessary.


### To reject a call with a predefined message

- Drag **Reject with message** upward, then select a message.

### To reject a second call with a predefined message

- When you hear repeated beeps during a call, drag **Reject with message** upward, then select a message.


### To edit the message used to reject a call

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Reject call with message**.
- 3 Tap the message you want to edit, then make the necessary changes.
- 4 When you're done, tap **OK**.


## Forwarding calls

You can forward calls, for example, to another phone number, or to an answering service.

### To forward calls

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Call forwarding**.
- 3 Select an option.
- 4 Enter the number you want to forward the calls to, then tap **Enable**.

### To turn off call forwarding

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Call forwarding**.
- 3 Select an option, then tap **Disable**.

## Showing or hiding your phone number

You can select to show or hide your phone number on call recipients' devices when you call them.


### To show or hide your phone number

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Additional settings** > **Caller ID**.


## Fixed Dialing Numbers

If you have received a PIN2 code from AT&T, you can use a list of Fixed Dialing Numbers (FDN) to restrict outgoing calls.

### To enable or disable fixed dialing

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Fixed dialing numbers**.
- 3 Tap **Activate fixed dialing** or **Deactivate fixed dialing**.
- 4 Enter your PIN2 and tap **OK**.

### To access the list of accepted call recipients

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Fixed dialing numbers** > **Fixed dialing numbers**.

# Contacts

Use the Contacts application to store and manage all your numbers, email addresses, and other contact data in one place. Just tap on a contact to see all communications with that contact in one easy overview.

You can add new contacts in your phone and synchronize them with contacts saved in your Google™ account, AT&T Address book, Microsoft® Exchange ActiveSync® account, or other accounts that support synchronization. The Contacts application automatically creates new entries and also helps you match data such as email addresses with existing entries. You can also manage this process manually.

## Transferring contacts to your new phone



There are several ways to transfer contacts to your new phone. Select a transfer method that best suits your situation.

### Transferring contacts using a PC

You can use a PC to transfer contacts from several phone brands, including iPhone, Samsung, HTC and Nokia.

You need:

- An Internet-connected PC running Windows®
- A USB cable for your old phone
- A USB cable for your new Android™ phone
- Your old phone
- Your new Android™ phone

! If you don't have access to all of the items listed above, go to [www.sonymobile.com/support/contacts](http://www.sonymobile.com/support/contacts) to find out about other ways to transfer your contacts.

### Using the PC Companion program to transfer contacts

If you are transferring contacts using a PC, use the PC Companion program. It's free, and the installation files are already saved on your new phone. PC Companion also offers a range of other features, including help with updating your phone software.

#### To install PC Companion

- 1 **New phone:** Turn on your new Android™ phone and connect it to a PC using a USB cable.
- 2 **New phone:** Tap **Install** to install PC Companion on the PC.
- 3 **Computer:** If a popup window appears, select *Run Startme.exe*. In the new popup window that appears, click *Install* to start the installation and then follow the instructions to complete the installation.

#### To transfer contacts to your new phone using PC Companion

- 1 Make sure that PC Companion is installed on your PC.
- 2 Open the PC Companion program on the PC, then click *Contacts Setup* and follow the instructions to transfer your contacts.







## Transferring contacts using an Apple® Mac® computer

For detailed instructions on how to use an Apple Mac computer to transfer contacts from your old phone, go to [www.sonymobile.com/support/contacts](http://www.sonymobile.com/support/contacts).

## Transferring contacts using synchronization accounts




Your phone works with popular online synchronization accounts such as Google Sync™, Microsoft® Exchange ActiveSync® or Facebook™. If you have synced the contacts in your old phone or your computer with an online account, you can transfer your contacts to your new phone using that account. For more detailed information about synchronization, see *Synchronizing data on your phone* on page 65.

### To synchronize your phone contacts with a synchronization account

- 1 From your Home screen, tap , then tap .
- 2 Press , then tap **Settings > Accounts & sync**.
- 3 To set up a synchronization account, tap **Add account** and follow the on-screen instructions. If you have already set up a synchronization account and you want to sync with that account, tap the account, press , and tap **Sync now**.




## Transferring contacts from a SIM card

### To import contacts from a SIM card

- 1 From your Home screen, tap , then tap .
- 2 Press , then tap **Import contacts > SIM card**.
- 3 If you have set up a synchronization account, you can choose to add the SIM card contacts under that account. Or you can choose to only use these contacts in the phone. Select your desired option.
- 4 To import an individual contact, find and tap the contact. To import all contacts, tap **Import all**.

## Transferring contacts from a memory card

### To import contacts from a memory card

- 1 From your Home screen, tap , then tap .
- 2 Press , then tap **Import contacts > SD card**.
- 3 If you have set up a synchronization account, you can add the imported memory card contacts under that account. Or you can choose to only use the imported contacts in the phone. Select your desired option.
- 4 If you have more than one vCard file on the SD card, a list appears showing different batches of phone contacts, with the corresponding dates for when they were created. Select the batch you want to import.

## Receiving contacts from other devices

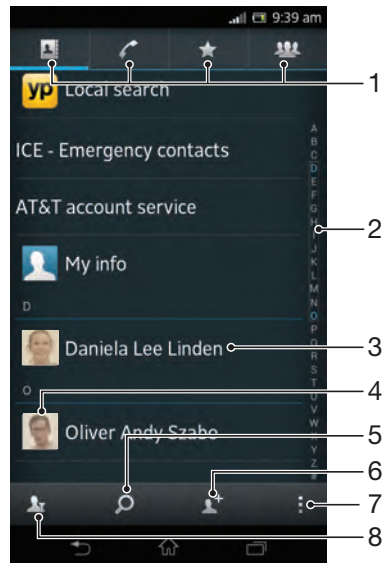
### To receive contact data sent using Bluetooth™ technology

- 1 Make sure you have the Bluetooth™ function turned on and your phone set to visible. If not, then you cannot receive data from other devices.
- 2 When you are asked to confirm whether you want to receive the file, tap **Accept**.
- 3 Drag down the Notification panel and tap the file you received to import the contact data.

### To receive contacts sent using a messaging service

- 1 When you receive a new text message, multimedia message, or email message, open the message.
- 2 The received contact data appears as a vCard attachment. Tap, or touch and hold the vCard file to open a menu so you can save the contact data.

## Contacts screen overview



- |   |  |
|---|--|
| 1 | Shortcut tabs  |
| 2 | Alphabetical index for browsing contacts                 |
| 3 | Tap a contact to view its details                        |
| 4 | Tap a contact thumbnail to access the quick contact menu |
| 5 | Search for contacts                                      |
| 6 | Create a contact   |
| 7 | Open more options  |
| 8 | Filter contacts  |

## Managing your contacts

You can create, edit and synchronize your contacts in a few simple steps. You can select contacts saved in different accounts and manage how you display them in the phone.




If you synchronize your contacts with more than one account, you can join contacts in your phone to avoid duplicates.

- ! Some synchronization services, for example, some social networking services, do not allow you to edit contact details.




### To view your contacts

- From your Home screen, tap , then tap . Your contacts are listed here.



### To select which contacts to display in the Contacts application

- From your Home screen, tap , then tap .
- Tap .
- In the list that appears, mark and unmark the desired options. If you have synchronized your contacts with a synchronization account, that account appears in the list. To further expand the list of options, tap the account.
- When you are finished, tap **OK**.




### To add a contact

- 1 From your Home screen, tap , then tap .
  - 2 Tap .
  - 3 If you have synchronized your contacts with one or more accounts, select the account to which you want to add this contact, or tap **Local contact** if you only want to use this contact in your phone.
  - 4 Enter or select the desired information for the contact.
  - 5 When you are finished, tap **Done**.
- 💡 If you add a plus sign and the country code before a contact phone number, you can use the number when you make calls from other countries.



### To edit a contact

- 1 From the Home screen, tap , then tap .
- 2 Touch and hold the contact you want to edit, then tap **Edit contact**.
- 3 Edit the desired information. When you are finished, tap **Done**.




### To associate a picture with a contact

- 1 From your Home screen, tap , then tap .
  - 2 Touch and hold the contact you want to edit, then tap **Edit contact**.
  - 3 Tap  and select the desired method for adding the contact picture.
  - 4 When you have added the picture, tap **Done**.
- 💡 You can also add a picture to a contact directly from the **Album** application.



### To view your communication with a contact

- 1 From the Home screen, tap , then tap .
- 2 Tap the contact you want to view.
- 3 To view your communication with the contact for different media, tap or flick through the filter items at the bottom of the screen.

### To delete contacts

- 1 From your Home screen, tap , then tap .
- 2 Press , then tap **Delete contacts**.
- 3 Mark the contacts you want to delete, or tap **Mark all** if you want to delete all contacts.
- 4 Tap **Delete > OK**.



### To edit contact information about yourself

- 1 From your Home screen, tap , then tap .
- 2 Touch and hold **Myself** at the top of the contact list, then tap **Edit contact**.
- 3 Enter the new information or make the changes you want.
- 4 When you are done, tap **Done**.



## Avoiding duplicate entries in the Contacts application

If you synchronize your contacts with a new account or import contact information in other ways, you could end up with duplicate entries in the Contacts application. If this happens, you can join such duplicates to create a single entry. And if you join entries by mistake, you can separate them again later.

### To link contacts

- 1 From your Home screen, tap , then tap .
- 2 Touch and hold the contact you want to link with another contact, then tap **Link contact**.
- 3 From the list that appears, tap the contact whose information you want to join with the first contact, then tap **OK** to confirm. The information from the first contact is merged with the second contact, and the first contact is no longer displayed in the Contacts list.




### To separate linked contacts

- 1 From your Home screen, tap , then tap .
- 2 Touch and hold the linked contact you want to edit, then tap **Edit contact**.
- 3 Tap **Unlink contact**.
- 4 Tap **OK**.




## Favorites

You can mark contacts as favorites so that you can get quick access to them from the Contacts application.

### To mark or unmark a contact as a favorite

- 1 From the Home screen, tap , then tap .
- 2 Tap the contact you want to add to or remove from your favorites.
- 3 Tap .

### To view your favorite contacts

- 1 From your Home screen, tap , then tap .
- 2 Tap .

## Groups




You can assign contacts to groups to get quicker access to them from within the Contacts application.

### To assign a contact to a group

- 1 In the Contacts application, touch and hold the contact that you want to assign to a group.
- 2 Tap **Edit contact**, then tap the bar directly under **Assign to group**.
- 3 Mark the checkboxes for the groups to which you want to add the contact, then tap **Done**.
- 4 Tap **Done**.

## Communicating with your contacts

### To search for a contact

- 1 From your Home screen, tap , then tap .
- 2 Tap  and enter the first few letters of the contact name in the **Search** field. All contacts beginning with those letters appear.




## The quick contact menu

Tap a contact's thumbnail to view quick communication options for a particular contact. Options include calling the contact, sending a text or multimedia message, and starting a chat using the Google Talk™ application.




- ! For an application to appear as an option in the quick contact menu, you may need to set up the application in your phone and be logged in to the application. For example, you need to start the Gmail™ application and enter your login details before you can use Gmail™ from the quick contact menu.

## Sharing your contacts




### To send your business card

- 1 From your Home screen, tap , then tap .
- 2 Tap **My info**.
- 3 Press , then tap **Send contact > OK**.
- 4 Select an available transfer method and follow the on-screen instructions.

### To send a contact

- 1 From your Home screen, tap , then tap .
- 2 Tap the contact whose details you want to send.
- 3 Press , then tap **Send contact** > **OK**.
- 4 Select an available transfer method and follow the on-screen instructions.




### To send several contacts at once

- 1 From your Home screen, tap , then tap .
- 2 Press , then tap **Send contacts**.
- 3 Mark the contacts you want to send, or select all if you want to send all contacts.
- 4 Tap **Send**, then tap **OK** to confirm.
- 5 Select an available transfer method and follow the on-screen instructions.




## Backing up contacts

You can use a memory card, a SIM card, or an online synchronization tool such as Microsoft® Exchange ActiveSync® to back up contacts.

### To export all contacts to a memory card

- 1 From your Home screen, tap , then tap .
- 2 Press , then tap **Back up contacts** > **SD card**.
- 3 Tap **OK**.

### To export contacts to a SIM card








- 1 From your Home screen, tap , then tap .
  - 2 Press , then tap **Back up contacts** > **SIM card**.
  - 3 Mark the contacts you want to export, or tap **Mark all** if you want to export all your contacts.
  - 4 Tap **Back up**.
  - 5 Select **Add contacts** if you want to add the contacts to existing contacts on your SIM card, or select **Replace all contacts** if you want to replace the existing contacts on your SIM card.
- ! When you export contacts to a SIM card, not all information may get exported. This is due to memory limitations on SIM cards.

# Messaging





## Using text and multimedia messaging

You can send and receive text messages from your phone using SMS (Short Message Service). If your subscription includes MMS (Multimedia Messaging Service), you can also send and receive messages that contain media files, for example, pictures and videos. The number of characters you can send in a single text message varies depending on the operator and the language you use. If you exceed the character limit, then all your single messages are linked together and sent as one message. You are charged for each single text message you send. When you view your messages, they appear as conversations, which means that all messages to and from a particular person are grouped together.


### To create and send a message

- 1 From your Home screen, tap , then find and tap .
  - 2 Tap .
  - 3 Tap , then select the desired recipients from the Contacts list. If the recipient is not listed as a contact, enter the contact's number manually and tap .
  - 4 When you are finished adding recipients, tap **Done**.
  - 5 Tap **Write message** and enter your message text.
  - 6 If you want to add a media file, tap  and select an option.
  - 7 To send the message, tap **Send**.
-  If you exit a message before sending, you are prompted with options to save the message as a draft, discard the message, or cancel the exit.






### To read a received message

- 1 From your Home screen, tap , then find and tap .
  - 2 Tap the desired conversation.
  - 3 If the message is not yet downloaded, tap and hold the message, then tap **Download message**.
-  You can also open messages from the status bar when  appears there. Just drag down the bar and tap the message.



### To reply to a message

- 1 From your Home screen, tap , then find and tap .
- 2 Tap the conversation containing the message.
- 3 Enter your reply and tap **Send**.



### To forward a message

- 1 From your Home screen, tap , then find and tap .
  - 2 Tap the conversation containing the message you want to forward.
  - 3 Touch and hold the message you want to forward, then tap **Forward message**.
  - 4 Tap , then select a recipient from the Contacts list. If the recipient is not listed as a contact, enter the contact's number manually and tap .
  - 5 When you are finished adding recipients, tap **Done**.
  - 6 Edit the message, if necessary, and tap **Send**.
-  In step 4, you can also tap **To** and enter the recipient's phone number manually.




### To delete a message

- 1 From your Home screen, tap , then find and tap .
- 2 Tap the conversation containing the message you want to delete.
- 3 Touch and hold the message you want to delete, then tap **Delete message** > **Delete**.




### To delete conversations

- 1 From your Home screen, tap , then find and tap .
- 2 Tap , then tap **Delete conversations**.
- 3 Mark the checkboxes for the conversations you want to delete, then tap **Delete**.



### To save a sender's number

- 1 From your Home screen, tap , then find and tap .
- 2 Tap  > **Save**.
- 3 Select an existing contact, or tap **Create new contact** and select **Local contact** or **SIM contact**.
- 4 Edit the contact information and tap **Done**.





### To call a message sender

- 1 From your Home screen, tap , then find and tap .
- 2 Tap a conversation.
- 3 Tap the recipient's name or number at the top of the screen.
- 4 If the recipient is saved in your contacts, tap the phone number that you want to call. If you have not saved the recipient in your contacts, tap .




### To save a file contained in a message you receive

- 1 From your Home screen, tap , then find and tap .
- 2 Tap the conversation you want to open.
- 3 If the message has not been downloaded yet, tap and hold the message, then tap **Download message**.
- 4 Touch and hold the file you want to save, then select the desired option.




### To star a message

- 1 From your Home screen, tap , then find and tap .
- 2 Tap the conversation you want to open.
- 3 In the message you want to star, tap .
- 4 To unstar a message, tap .

### To view starred messages




- 1 From your Home screen, tap , then find and tap .
- 2 Press , then tap **Starred messages**.
- 3 All starred messages appear in a list.

### To search for messages




- 1 From your Home screen, tap , then find and tap .
- 2 Press , then tap **Search**.
- 3 Enter your search keywords, then tap **Go**.

## Text and multimedia message options

### To change your message notification settings

- 1 From your Home screen, tap , then find and tap .
- 2 Press , then tap **Settings**.
- 3 To set a notification sound, tap **Notification tone** and select an option.
- 4 For other notification settings, check or uncheck the relevant checkboxes.

### To view messages saved on the SIM card



- 1 From your Home screen, tap , then find and tap .
- 2 Press , then tap **Settings** > **SIM messages**.

# E-mail

Use the Email application in your phone to send and receive emails through your regular email account or through your corporate account. Or you can do both. Your phone can handle several email accounts at the same time. You can set up these accounts to run through one combined inbox, or through separate inboxes. Note that emails you receive to your Gmail™ account can be accessed in the phone from both the Email and the Gmail™ applications.

- 💡 Your corporate Microsoft® Outlook® email messages have to be stored on a Microsoft® Exchange server for the functionality described above to work. See *Synchronizing your corporate email, calendar and contacts* on page 66 for more information.










## To set up an email account in your phone

- 1 From your Home screen, tap .
- 2 Find and tap .
- 3 Enter your email address and password, then tap **Next**.
- 4 If the settings for the email account cannot be downloaded automatically, complete the setup manually. If necessary, contact your email service provider for detailed settings. For corporate email setup on your phone, select **Exchange Active Sync** as the account type.
- 5 When you are prompted, enter a name for your email account, so that it is easily identifiable. The same name shows in the emails you send from this account. When you are finished, tap **Next**.




- 💡 You can set up more than one email account. See *To add an extra e-mail account in your phone* on page 51.

## Using e-mail

### To create and send an email message



- 1 From your Home screen, tap , then find and tap **Email**.
- 2 If you are using several email accounts, tap  at the top of the screen and select the account you want to send the message from, then tap .
- 3 Tap **To** and start typing the recipient's address. Matches are displayed in a dynamic list. Tap the relevant match or continue typing the complete email address. To add more recipients, enter a comma ( , ) or a semicolon ( ; ) and start typing another name. To delete a recipient, tap .
- 4 To select an email address saved in your contacts, tap , then find and mark the checkbox next to a recipient field. To add more than one recipient, mark the checkboxes for the desired recipients. When you are finished, tap **Done**.
- 5 Tap **Subject** and enter the email subject.
- 6 To attach a file, tap . Select the type of file, then tap the file you want to attach from the list that appears.
- 7 In the message area, enter your message text.
- 8 To set a priority level, press , then tap **Set priority** and select an option.
- 9 To add Cc/Bcc fields, press , then tap **Show Cc/Bcc**.
- 10 To send the email, tap .

### To receive email messages



- 1 From your Home screen, tap .
  - 2 Find and tap **Email**.
  - 3 If you are using several email accounts, tap  at the top of the screen and select the account that you want to check. If you want to check all your email accounts at once, tap **Combined view**.
  - 4 To download new messages, press , then tap **Refresh**.
- 💡 If you have set up a corporate email account, you can set the check frequency to **Automatic (Push)**.



### To read your email messages

- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 If you are using several email accounts, tap  at the top of the screen and select the account you want to check. If you want to check all your email accounts at once, tap **Combined view**.
- 4 In the email inbox, scroll up or down and tap the email you want to read.



### To use the email preview pane

- 1 From your Home screen, tap , then find and tap **Email**.
- 2 If you are using several email accounts, tap  and select the account you want to check. If you want to check all your email accounts at once, tap **Combined view**.
- 3 Hold your phone horizontally. The email preview pane appears.
- 4 Scroll up or down in the email inbox and tap the email you want to read. The email opens in the preview pane. To view more information about the email, tap the downward arrow next to the sender's name. In the body text field, pinch two fingers together, or spread them apart, to zoom out or in.
- 5 To view the email in fullscreen format, tap the split bar (located between the email list and email body) accordingly. In fullscreen format, use the leftward and rightward arrows to read your previous or next message.
- 6 To return to the inbox view, tap the split bar accordingly.



! Before using the preview pane, activate it in the preview pane settings.

💡 To hide the preview pane, hold your phone vertically, or change the preview pane settings.


### To change email preview pane settings

- 1 From your Home screen, tap , then find and tap **Email**.
- 2 Press , then tap **Settings**.
- 3 Tap **General** > **Preview pane**, then select an option.

### To view an email message attachment

- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 Find and tap the email message containing the attachment you want to view. Emails with attachments are identified by .
- 4 Find the attachment in the email body, then tap **View** or **Save** next to it.


### To save a sender's email address to your contacts

- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 Find and tap a message in your email inbox.
- 4 Tap the name of the sender.
- 5 Tap **OK**.
- 6 Select an existing contact, or tap **Create new contact** and select **Local contact** or **SIM contact**.
- 7 Edit the contact information, then tap **Done**.

### To reply to an e-mail message

- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 In your email inbox, find and tap the message you want to reply to, then tap .
- 4 Enter your reply, then tap .




### To forward an e-mail message

- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 In your email inbox, find and tap the message you want to forward, then tap .
- 4 Tap **To** and enter the recipient's email address manually, or tap  to select a recipient from your contacts.
- 5 Enter your message text, then tap .






### To delete an email message

- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 In your email inbox, find and tap the message you want to delete, then tap .
- 4 Tap **Yes**.



### To sort your emails

- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 If you are using several email accounts, tap  at the top of the screen and select the account that you want to check. If you want to check all your email accounts at once, tap **Combined view**.
- 4 Press , then tap **Sort**.
- 5 Select a sorting option.




### To search for emails

- 1 From your Home screen, tap . Then find and tap **Email**.
  - 2 If you are using several email accounts and want to check just one account, tap  at the top of the screen and select the account name. Press , then tap **Search**.
  - 3 Enter your search text, then tap **Go** on your keyboard.
  - 4 The search result appears in a list sorted by date. Tap the email you want to open.
-  To change search options, tap  and select a different option.



### To manage your email in batches

- 1 From your Home screen, tap , then find and tap **Email**.
- 2 If you are using several email accounts, tap  at the top of the screen and select the account that you want to check. If you want to check all your email accounts at once, tap **Combined view**.
- 3 Mark the checkboxes for the emails that you want to select.
- 4 When you are done, tap one of the buttons at the bottom of the screen, for example to mark the selected emails as read or unread, or to delete the selected emails.






### To view all folders for one email account

- 1 From your Home screen, tap . Then find and tap **Email**.
- 2 Tap  at the top of the screen and select the account you want to check, then tap  again, and select **Show all folders** to view all the folders in this account.

### To change the inbox check frequency



- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 Press , then tap **Settings**.
- 4 Select the account for which you want to change the inbox check frequency.
- 5 Tap **Inbox check frequency** and select an option.

### To set an Out of Office auto-reply in an Exchange Active Sync account



- 1 From your Home screen, tap , then find and tap **Email**.
- 2 Press , then tap **Settings**.
- 3 Select the EAS (Exchange Active Sync) account for which you want to set an Out of Office auto-reply.
- 4 Tap **Out of office**.
- 5 Tap  beside **Out of office** so that  changes to .
- 6 If needed, mark the **Set time range** checkbox and set the time range for the auto reply.
- 7 Enter your Out of Office message in the body text field.
- 8 Tap **OK** to confirm.


## Using email accounts

### To add an extra e-mail account in your phone



- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 Tap  at the top of the screen, then tap **Add account**.
- 4 Enter the email address and password, then tap **Next**. If the settings for the email account cannot be downloaded automatically, complete the setup manually.
- 5 When prompted, enter a name for your email account so that it is easily identifiable. The same name shows in the emails you send from this account.
- 6 When you are finished, tap **Next**.

### To set an email account as your default account

- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 Press , then tap **Settings**.
- 4 Select the account you want to use as the default account for composing and sending emails.
- 5 Mark the **Default account** checkbox. The inbox of the default account appears every time you open the email application.


 If you only have one email account, this account is automatically the default account.

### To remove an e-mail account from your phone


- 1 From your Home screen, tap .
- 2 Find and tap **Email**.
- 3 Press , then tap **Settings**.
- 4 Select the account you want to remove.
- 5 Tap **Delete account** > **OK**.

## Gmail™ and other Google™ services

If you have a Google™ account, you can use the Gmail™ application in your phone to read, write and organize email messages. After you set up your Google™ account to work in the phone, you can also chat to friends using the Google Talk™ application, synchronize your phone calendar application with your Google Calendar™, and download applications and games from Google Play™.

 The services and features described in this chapter may not be supported in all countries/regions or by all networks and/or service providers in all areas.

### To set up a Google™ account in your phone

- 1 From your Home screen, tap .
  - 2 Find and tap **Settings** > **Accounts & sync** > **Add account** > **Google**.
  - 3 Follow the registration wizard to create a Google™ account, or sign in if you already have an account. Your phone is now ready to use with Gmail™, Google Talk™, and Google Calendar™.
- 💡 You can also sign in or create a Google™ account from the setup guide the first time you start your phone. Or you can go online and create an account at [www.google.com/accounts](http://www.google.com/accounts).

### To open the Gmail™ application

- 1 From the Home screen, tap .
- 2 Find and tap **Gmail**.

# Google Talk™

You can use Google Talk™ instant messaging in your phone to chat with friends who also use this application.

## To start Google Talk™

- 1 From your Home screen, tap .
- 2 Find and tap **Talk**.

## To reply to an instant message with Talk

- 1 When someone contacts you on **Talk**,  appears in the status bar.
- 2 Drag the status bar downwards, then tap the message and begin to chat.


# Explore by Touch

Use the Explore by Touch function to navigate the phone without having to look at the screen. When the Explore by Touch function is turned on, an automated voice tells you what your finger is touching on the screen. This function is primarily designed to help blind or visually impaired users to use the phone.


## Before using Explore by Touch

Before you can turn on the Explore by Touch function, you must first turn on the TalkBack service.

### To turn on the TalkBack service

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Accessibility** > **TalkBack**.
- 3 Drag the slider to the right.

### To turn on the Explore by Touch function

- 1 Make sure that the TalkBack service is turned on.
- 2 From your Home screen, tap .
- 3 Find and tap **Settings** > **Accessibility** > **Explore by Touch**.
- 4 Drag the slider to the right.


! If the TalkBack service is not turned on, the Explore by touch function is not available.

### To navigate your phone using the Explore by Touch function

- 1 Explore your screen using one finger. Tap once to hear what your finger is touching on the screen.
- 2 Tap twice to open an application, menu, or other option.
- 3 To change screens and scroll within lists, drag or flick two fingers in the direction you want to scroll on the screen.



💡 This function changes the way your screen responds to touch. Before using it, tap **Tutorial** to get more information.

# Timescape™

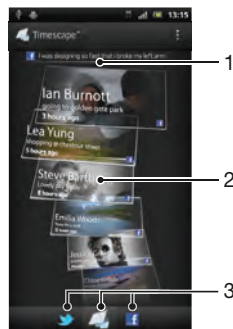
Timescape™ collects all your communications into one integrated view. Events such as Facebook™ or Twitter™ updates appear as tiles in a chronological flow on the screen. Browse the files to get a snack-size preview of events before choosing to open them and view the full content. Timescape™ also features an infinite button  that gives you access to a range of content about the item you are currently viewing.

- ! The services and features described in this chapter may not be supported in all countries or regions, or by all networks and/or service providers in all areas.

## To start Timescape™

- 1 From your Home screen, tap .
- 2 Find and tap **Timescape™** .
- 3 If you are starting Timescape™ for the first time, tap the tile in the welcome screen to set up Timescape.
- 4 Tap the **Services** screen to log in to social networking services such as Facebook™ or Twitter™, or to search for Timescape-related extensions in Google Play™.
- 5 If you do not want to log in to any social networking accounts or search Google Play™, tap **Done**.


## Timescape™ main view




- |   |  |
|---|--|
| 1 | Shows your most recent update to a social networking service |
| 2 | Timescape™ tiles displayed in chronological order            |
| 3 | Timescape™ event filter                                      |

## Using Timescape™

### To scroll through tiles in Timescape™

- 1 From your Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Flick up or down to scroll through the tiles.

### To preview a tile in Timescape™

- 1 From your Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Scroll to the tile you want to preview, and then tap it.

## Timescape™ event filter overview



All events



Updates from your Twitter™ contacts



Updates from your Facebook™ contacts



More events appear in the Timescape™ event filter if you have installed other Timescape services.

### To filter the events displayed in Timescape™

- 1 From your Home screen, tap
- 2 Find and tap **Timescape™**.
- 3 Tap or flick through the filter icons.

### To refresh the main view in Timescape™

- When the Timescape™ event filter is set to show all events, press , then tap **Refresh**.
- When you refresh the main view, your phone may connect to the Internet to update information from web service accounts that you have linked to Timescape™.

### To log in to Facebook™ or Twitter™ from Timescape™

- 1 From your Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Press , then tap **Settings > Set up services**.
- 4 Tap the service you want to log in to.
- 5 Enter your login details.



When you have logged in to a web service, you can update your status or view updates from the web service in Timescape™.

### To update your Facebook™ or Twitter™ status in Timescape™

- 1 From your Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Tap > **Update status**.
- 4 Tap the service for which you want to update your status. If you are not signed in to the service, you need to sign in before proceeding. When you have selected the desired service, tap **Continue**.
- 5 Tap the text field and enter your new status, then tap **Post**.

### To log out of Facebook™ or Twitter™ from Timescape™

- 1 From your Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Press , then tap **Settings > Set up services**.
- 4 Tap the service you want to log out of.





Your account information gets deleted when you log out.

## Downloading new services for Timescape™


You can perform an extension search in Google Play™ and download new services for Timescape™. Such services include applications and plug-ins that add extra features to Timescape. For example, you can download applications that update Timescape with your activities on various social networking sites.




### To download and install new services for Timescape™

- 1 From your Home screen, tap .
  - 2 Find and tap **Timescape™**.
  - 3 Press , then tap **Settings** > **Set up services** > **Extension search**.
  - 4 If you don't have a Google account set up on your phone, follow the on-screen instructions to add one. Otherwise, you are directed straight to Google Play™.
  - 5 In Google Play™, select a service to download from the list that appears, then follow the instructions to download and install it.
- 💡 You can delete installed Timescape services the same way you delete any other installed application.

### To view an event in Timescape™

- 1 From the Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Scroll to and tap the tile for the desired event so it appears in preview mode. Then tap the tile again.

### The infinite button in Timescape™



When you tap a tile, the infinite button  appears in the upper right corner. If the tile is connected to a contact, you can access related content by tapping the infinite button.

### To view all communication with a contact in Timescape™



- 1 From your Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Tap a tile for an event related to a contact.
- 4 Tap . All communication with the contact appears.
- 5 Tap or flick the filter items at the bottom of the screen to view communication with the contact through other media.

## Timescape™ settings

### To access Timescape™ settings

- 1 From the Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Press , then tap **Settings**.

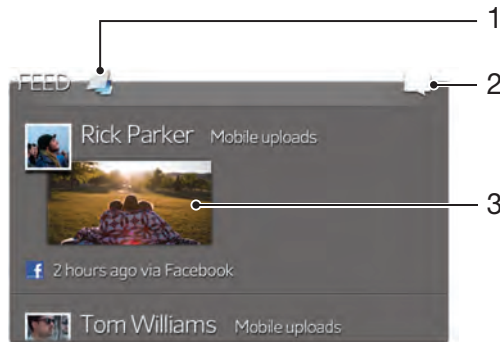
### To schedule web service content updates in Timescape™

- 1 From your Home screen, tap .
- 2 Find and tap **Timescape™**.
- 3 Press , then tap **Settings** > **Update mode**.
- 4 Tap the desired option. If you select **Manual**, no automatic updates get scheduled.

## Timescape™ Feed widget

The Timescape™ Feed widget shows all your recent Timescape™ events in one view. Within the widget area, you can drag down to get the most recent updates, or flick up or down to view the full content of every event. You can also tap an event to view its content in fullscreen format, or react to it using comments, likes and retweets.

## Timescape™ Feed widget view




1 Shortcut to the Timescape™ main view


2 Shortcut to update status

3 Most recent online event

### To add the Timescape™ Feed widget to your Home screen

- 1 Make sure that there is enough free space for the new widget on your Home screen.
- 2 Tap an empty area of your Home screen, then tap .
- 3 Find and tap **Timescape™ Feed**.

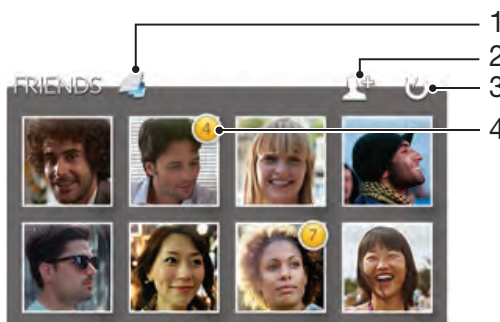
### To remove the Timescape™ Feed widget from your Home screen

- 1 From your Home screen, touch and hold the Timescape™ Feed widget.
- 2 Drag the widget to .

## Timescape™ Friends widget

The Timescape™ Friends widget notifies you of the latest social networking activities related to you and your friends. You can view all activities and communicate with your friends using comments, likes, and retweets.

## Timescape™ Friends widget view




1 Shortcut to the Timescape™ main view

2 Select different friends to follow. This icon only appears when all the slots are full.


3 Tap to refresh the view

4 Activity indicator – indicates updates to feeds

### To add the Timescape™ Friends widget to your Home screen

- 1 Make sure that there is enough free space for the new widget on your Home screen.
- 2 Tap an empty area of your Home screen, then tap .
- 3 Find and tap **Timescape™ Friends**.

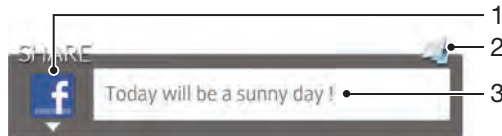
### To remove the Timescape™ Friends widget from your Home screen

- 1 From your Home screen, touch and hold the Timescape™ Friends widget.
- 2 Drag the widget to .

## Timescape™ Share widget


Share your status through one of the services that you have logged in to from your phone. For example, you can post updates on Facebook™ or Twitter™.

### Timescape™ Share widget view




- |   |   |
|---|---|
| 1 | Icon showing the service currently used to send posts |
| 2 | Shortcut to the Timescape™ main view                  |
| 3 | Enter new posts here                                  |

### To add the Timescape™ Share widget to your Home screen

- 1 Make sure that there is enough free space for the new widget on your Home screen.
- 2 Tap an empty area of your Home screen, then tap .
- 3 Find and tap **Timescape™ Share**.

### To remove the Timescape™ Share widget from your Home screen

- 1 From your Home screen, touch and hold the Timescape™ Share widget.
- 2 Drag the widget to .

# Getting started with Google Play™

Open Google Play™ and enter a world of applications and games. You can browse these applications and games through different categories. You can also rate an application or game and send feedback on it.

To use Google Play™, you need to have a Google™ account. See *To set up a Google™ account in your phone* on page 52.

! Google Play™ may not be available in all countries or regions

## To open Google Play™

- 1 From the Home screen, tap .
- 2 Find and tap **Play Store**.

## Downloading from Google Play™

You can download all kinds of applications from Google Play™, including free applications.

### Before you download applications

Before you start downloading from Google Play™, make sure you have a working Internet connection.

Also, remember that you might incur data traffic charges when you download content to your phone. Contact your operator for more information.


### To download a free application

- 1 In Google Play™, find an item you wish to download by browsing categories, or by using the search function.
- 2 Tap the item to view its details, and follow the instructions to complete the installation.

### To download a paid application

- 1 In Google Play™, find an item you wish to download by browsing categories, or by using the search function.
- 2 Tap the item to view its details, and follow the instructions on your phone to complete your purchase.

### To open a downloaded application


- 1 In Google Play™, press , then tap **My Apps**.
- 2 Tap the downloaded application.

💡 You can also access downloaded applications from the Application screen.

## Clearing your application data


You may sometimes need to clear data for an application. This might happen if, for example, the application memory becomes full, or you want to clear high scores for a game. You might also want to erase incoming email, text and multimedia messages in some applications.

### To clear all cache for an application

- 1 From your Home screen, tap .
- 2 Find and tap **Settings**.
- 3 Tap **Apps**.
- 4 Tap the application for which you want to clear all cache.
- 5 Tap **Clear cache**.

! It is not possible to clear the cache for some applications.


### To delete an installed application

- 1 From your Home screen, tap .
  - 2 Find and tap **Settings**.
  - 3 Tap **Apps**.
  - 4 Select the application you want to delete.
  - 5 Tap **Uninstall**.
- ! It is not possible to delete some preinstalled applications.

## Permissions

Some applications need to access parts of your phone to be able to work properly. For example, a navigation application needs permissions to send and receive data traffic, and access your location. Some applications might misuse their permissions by stealing or deleting data, or reporting your location. Make sure you only install and give permissions to applications you trust.

### To view permissions of an application


- 1 From your Home screen, tap .
- 2 Find and tap **Settings**.
- 3 Tap **Apps**.
- 4 Tap the desired application.
- 5 Scroll down to view the relevant details under **Permissions**.

## Installing applications not from Google Play™

Installing applications of unknown or unreliable origin can damage your phone. By default, your phone is set to block such installations. However, you can change this setting and allow installations from unknown sources.

- ! Sony does not warrant or guarantee the performance of any third-party applications or content transferred via download or other interface to your phone. Similarly, Sony is not responsible for any damage or reduced performance of your phone attributable to the transfer of third-party content. Only use content from reliable sources. Contact the content provider if you have any questions or concerns.

### To allow the installation of applications not from Google Play™



- 1 From your Home screen, tap .
- 2 Find and tap **Settings > Security**.
- 3 Mark the **Unknown sources** checkbox.

# Getting organized

## Calendar

Your phone has a calendar for managing your time schedule. If you have a Google™ account, you can also synchronize your phone calendar with your web calendar. See *Synchronizing data on your phone* on page 65.






### To set the calendar view

- 1 From your Home screen, tap , then find and tap **Calendar**.
- 2 Press  and select an option.


### To view multiple calendars

- 1 From your Home screen, tap , then find and tap **Calendar**.
- 2 Press , then tap **My calendars**.
- 3 Select the calendars you want to view.



### To create a calendar event

- 1 From your Home screen, tap , then tap **Calendar**.
  - 2 Tap .
  - 3 Enter the name, time, location and description for the event.
  - 4 If desired, select another option under **Repetition**.
  - 5 Select a reminder for the event. To add a new reminder for the event, tap .
  - 6 Tap **Save**.
-  When the appointment time approaches, your phone plays a short sound to remind you. Also,  appears in the status bar.

### To view a calendar event

- 1 From your Home screen, tap , then tap **Calendar**.
- 2 Tap the event you want to view.

### To change the calendar settings

- 1 From your Home screen, tap , then tap **Calendar**.
- 2 Press , then tap **Settings**.
- 3 Tap the setting you want to change, then edit as desired.


## Alarm clock

Use your phone as an alarm clock and select any sound in your phone as your alarm signal. The alarm does not sound if your phone is turned off. But it does sound when your phone is set to silent mode.


### To open the alarm clock

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.

### To set a new alarm



- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap **Add alarm**.
- 4 Adjust the time by scrolling up and down.
- 5 If desired, edit other alarm settings.
- 6 Tap **Done**.

### To edit an existing alarm



- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap the alarm you want to edit.
- 4 Scroll up or down to adjust the time.
- 5 If desired, edit other alarm settings.
- 6 Tap **Done**.

! The alarm time format displayed is the same as the format you select for your general time settings, for example, 12-hour or 24-hour.


### To deactivate an alarm

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap  next to the alarm you want to deactivate.


### To activate an existing alarm

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap  next to the alarm you want to activate.


### To delete an alarm

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Touch and hold the alarm you want to delete.
- 4 Tap **Delete alarm**, then tap **Yes**.

### To set the ringtone for an alarm

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap the alarm you want to edit.
- 4 Tap **Advanced alarm settings** and unmark the **Style settings** checkbox.
- 5 Tap **Alarm sound** and select an option.
- 6 Tap **Done**, then tap **Done**.


### To set a recurring alarm

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap the alarm you want to edit.
- 4 Tap **Repeat**.
- 5 Mark the checkboxes for the desired days, then tap **OK**.
- 6 Tap **Done**.


### To set the title for an alarm

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap the alarm you want to edit.
- 4 Tap **Advanced alarm settings**, then tap the **Alarm text** field and enter a name for the alarm.
- 5 Tap **Done**.

### To activate the vibrate function for an alarm

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap the alarm you want to edit.
- 4 Tap **Advanced alarm settings**, then mark the **Vibrate** checkbox.
- 5 Tap **Done**.

#### To set alarms to sound when the phone is in silent mode

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**, then tap to select an alarm.
- 3 Tap **Advanced alarm settings**, then mark the **Alarm in silent mode** checkbox.
- 4 Tap **Done**.

#### To snooze an alarm when it sounds

- Tap **Snooze - min.**

#### To turn off an alarm when it sounds

- Slide  to the right.



# Synchronizing data on your phone

You can sync contacts, email, calendar events, and other information with your phone from multiple email accounts, synchronization services and other kinds of accounts, depending on the applications installed on your phone. Synchronizing your phone with other information sources is an easy and practical way to stay up to date.


You can:

- access your Gmail™, Google Calendar™, Google™ contacts, Google™ Chrome™ bookmarks, and other Google services you use.
- access your corporate email, contacts and calendar applications.
- access your Facebook™ contacts, calendar, albums, and other services you use.



## Synchronizing with Google™

Synchronize your phone with different Google™ services to keep your information up to date, regardless of which device you're using your Google™ account from. For example, you can synchronize your contacts, Gmail™, calendar, and web browser data.


### To set up a Google™ account in your phone for automatic synchronization

- 1 From your Home screen, tap .
- 2 Tap **Settings > Accounts & sync**.
- 3 Make sure that synchronization is turned on so that applications can synchronize data automatically.
- 4 Tap **Add account > Google**.
- 5 Follow the registration wizard to create a Google™ account, or sign in if you already have an account.
- 6 Tap **Next**.
- 7 Tap your newly created Google™ account, then tap the items you want to synchronize.


### To synchronize manually with your Google™ account

- 1 From the Home screen, tap .
- 2 Tap **Settings > Accounts & sync**.
- 3 Tap the Google™ account you want to synchronize.
- 4 Press , then tap **Sync now**.



### To synchronize an application with a Google™ account

- 1 From your Home screen, tap .
- 2 Tap **Settings > Accounts & sync**.
- 3 Tap the Google™ account that you want to synchronize with. A list appears of applications that can be synchronized with the Google account.
- 4 Tap the application that you want to synchronize with the selected Google account.

### To synchronize the web browser data with Google™ Chrome™

- 1 From your Home screen, tap .
- 2 Tap **Settings > Accounts & sync**.
- 3 Tap the Google™ account that you want to synchronize with, then tap **Sync Browser**.

### To remove a Google™ account from your phone


- 1 From your Home screen, tap .
- 2 Tap **Settings > Accounts & sync**.
- 3 Tap the Google™ account you want to remove from the accounts list.
- 4 Press , then tap **Remove account**.
- 5 Tap **Remove account** again to confirm.

## Synchronizing your corporate email, calendar and contacts


Access your corporate email messages, calendar appointments and contacts directly from your phone. View and manage them just as easily as you would from a computer. After setup, you can find your information in the **Email**, **Calendar** and **Contacts** applications.

- ! For you to access the functionality described above, your corporate information must be stored on a Microsoft® Exchange server.


### To set up corporate email, calendar, and contacts in your phone

- 1 From your Home screen, tap .
- 2 Tap **Settings** > **Accounts & sync**.
- 3 Make sure that synchronization is turned on so your data synchronizes automatically according to the sync interval you set.
- 4 Tap **Add account** > **Corporate**.
- 5 Enter your corporate email address and password.
- 6 Tap **Next**. Your phone begins to retrieve your account information. If a failure occurs, contact your corporate network administrator for more information such as the domain name and Exchange server address.
- 7 Tap **OK** to allow your corporate server to control your phone.
- 8 Select what data you want to sync with the phone, such as contacts and calendar entries.
- 9 If desired, activate the device administrator to allow your corporate server to control certain security features in your phone. For example, allow your corporate server to set password rules and set storage encryption.
- 10 When the setup is done, you can enter a name for the corporate account so that it can be easily identified.



### To edit the setup of corporate email, calendar, and contacts

- 1 From your Home screen, tap .
- 2 Tap **Settings** > **Accounts & sync** and select your corporate account.
- 3 Tap **Account settings**, then tap the corporate account you want to edit.
- 4 Change the desired settings.

### To set a synchronization interval for a corporate account

- 1 From your Home screen, tap .
- 2 Tap **Settings** > **Accounts & sync** and select your corporate account.
- 3 Tap **Account settings**, then tap the corporate account you want to set a synchronization level for.
- 4 Tap **Inbox check frequency** and select an interval option.

### To remove a corporate account from your phone

- 1 From your Home screen, tap .
- 2 Tap **Settings** > **Accounts & sync**, then tap your corporate account.
- 3 Press , then tap **Remove account**.
- 4 Tap **Remove account** again to confirm.



## Synchronizing with Facebook™

There are two ways to use Facebook™ on your phone. You can use the standard Facebook application to access your online Facebook account, or you can synchronize your Facebook account with your phone and get direct access to Facebook content from a range of other applications. For example, you can make Facebook posts from Timescape™ and access your Facebook contacts, photos, and calendar entries from related applications in the phone, such as the Calendar application. To synchronize your phone with Facebook, you must first set up a Facebook integration account -- a solution developed by Sony to enable easy integration.



### To set up a Facebook™ integration account on your phone

- 1 From your Home screen, tap .
  - 2 Tap **Settings > Accounts & sync**.
  - 3 Make sure that synchronization is turned on so that applications can synchronize data automatically.
  - 4 Tap **Add account > Sony™ Facebook integration**.
  - 5 Follow the on-screen instructions to create a Facebook™ integration account, or sign in if you already have an account.
- 💡 You can also set up a Facebook™ integration account on your phone by marking the **Facebook integration** checkbox under **Settings > Xperia™ > Sony™ Facebook integration**.

### To synchronize manually with your Facebook™ integration account

- 1 From your Home screen, tap .
- 2 Tap **Settings > Accounts & sync**.
- 3 Tap the **Sony™ Facebook integration** account.
- 4 Press , then tap **Sync now**.

### To remove a Facebook™ integration account from your phone

- ! When you remove a Facebook™ integration account from your phone, the associated online Facebook account is not deleted, and you can still access it from a computer.
- 1 From your Home screen, tap .
  - 2 Tap **Settings > Accounts & sync**.
  - 3 Tap the **Sony™ Facebook integration** account.
  - 4 Press , then tap **Remove account**.
  - 5 Tap **Remove account** again to confirm.

# NFC

NFC (Near-Field Communication) is a short-range wireless technology that lets you exchange data with other devices, including a web page address, a music file, a contact, or a link to an application on Google Play™. Using NFC, you can also scan special tags that give you more information about a product or service.





To scan or share a tag, you have to hold the NFC detection area of your phone right over the tag or next to the NFC detection area of the other device. The maximum reading distance is about one centimeter, which helps prevent unauthorized communications.

! NFC may not be available in all countries and/or regions.

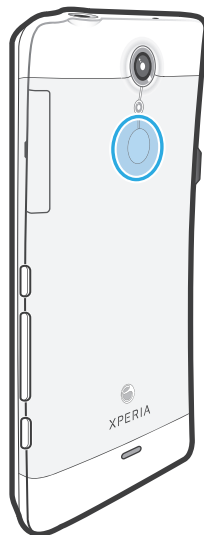
## To turn on the NFC function

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **More....**
- 3 Mark the **NFC** checkbox.

## To turn on the Android Beam function



- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **More...** > **Android Beam**.
- 3 Tap  so that  changes to .

## NFC detection area








! The location of the NFC detection area is not the same on all phones. When sharing data with another phone using NFC, refer to the User guide of the other phone for more information.


## To share a contact with another phone using NFC

- 1 Make sure that both your phone and the receiving phone have the NFC function and the Android Beam function turned on, and that both phone screens are active.
- 2 To view contacts in your phone, go to your Home screen, tap , then tap .
- 3 Tap the contact that you want to share.
- 4 Hold your phone and the receiving phone back to back so that the NFC detection area of each phone touches the other. When the phones connect, they vibrate and play a short sound. A thumbnail of the contact appears.
- 5 Tap the thumbnail to start the transfer.
- 6 When the transfer is done, the contact information is displayed on the screen of the receiving phone and is also saved on the receiving phone.



### To share a music file with another phone using NFC

- 1 Make sure that both your phone and the receiving phone have the NFC function and the Android Beam™ function turned on, and that both phone screens are active.
  - 2 To open the music player, go to your Home screen, then tap **Media** > . If  is not displayed, tap , then find and tap .
  - 3 Tap the **MY MUSIC** tab to open the music library.
  - 4 Select a music category and browse to the track you want to share.
  - 5 Tap the track to play it. You can then tap  to pause the track. The transfer works whether the track is playing or paused.
  - 6 Hold your phone and the receiving phone back to back so that the NFC detection area of each phone touches the other. When the phones connect, they vibrate and play a short sound. A thumbnail of the track appears.
  - 7 Tap the thumbnail to start the transfer.
  - 8 When the transfer is done, the music file plays immediately on the receiving phone. At the same time, the file is saved on the receiving phone.
- ! You might not be able to copy, send or transfer copyright-protected items.

### To share a photo or video with another phone using NFC

- 1 Make sure that both your phone and the receiving phone have the NFC function and the Android Beam function turned on, and that both phone screens are active.
- 2 To view photos and videos in your phone, go to your Home screen, tap , then find and tap **Album**.
- 3 Tap the photo or video that you want to share.
- 4 Hold your phone and the receiving phone back to back so that the NFC detection area of each phone touches the other. When the phones connect, they vibrate and play a short sound. A thumbnail of the photo or video appears.
- 5 Tap the thumbnail to start the transfer.
- 6 When the transfer is done, the photo or video is displayed on the screen of the receiving phone. At the same time, the item is saved on the receiving phone.

### To share a web address with another phone using NFC

- 1 Make sure that both your phone and the receiving phone have the NFC function and the Android Beam function turned on, and that both phone screens are active.
- 2 From your Home screen, tap .
- 3 To open the web browser, find and tap .
- 4 Load the web page that you want to share.
- 5 Hold your phone and the receiving phone back to back so that the NFC detection area of each phone touches the other. When the phones connect, they vibrate and play a short sound. A thumbnail of the web page appears.
- 6 Tap the thumbnail to start the transfer.
- 7 When the transfer is done, the web page is displayed on the screen of the receiving phone.

## Scanning NFC tags

Your phone can scan various kinds of NFC tags. For example, it can scan embedded tags on a poster, on a billboard advertisement, or beside a product in a retail store. You can receive additional information, such as a web address, or a phone number.

### To scan an NFC tag

- 1 Make sure that your phone has the NFC function turned on and that the screen is active.
- 2 Place your phone over the tag so that the phone's NFC detection area touches it. Your phone scans the tag and displays the content collected. Tap the content of the tag to open it.
- 3 To open the tag, tap it.
- 4 To save the tag and return to the previous screen, tap **Done**.

# Connecting to wireless networks

You can access the Internet wirelessly from your phone using Wi-Fi® technology. This way you can browse the web and access cheaper call and data rates. You can also share media files over the same Wi-Fi® network with other DLNA Certified™ devices, for example, TVs, computers, and tablets.

If your company or organization has a virtual private network (VPN), you can connect to this network with your phone. You can use a VPN to access intranets and other internal services at your company.





## Wi-Fi®

Using Wi-Fi® technology you can access the Internet wirelessly with your phone. To access the Internet using a Wi-Fi® connection, you first need to search for and connect to an available Wi-Fi® network. The signal strength of the Wi-Fi® network may differ depending on your phone's location. Moving closer to the Wi-Fi® access point may increase the signal strength.

### Before using Wi-Fi®



Your device has Wi-Fi® turned on by default. To browse the Internet using a Wi-Fi® connection, you need to search for and connect to an available Wi-Fi® network and then open the Internet browser. The signal strength of the Wi-Fi® network may differ depending on your phone's location. Move closer to the Wi-Fi® access point to increase the signal strength.

#### To turn on Wi-Fi®

- 1 From your Home screen, tap .
- 2 Find and tap **Settings**.
- 3 Tap  beside **Wi-Fi** so that  changes to . The phone scans for available Wi-Fi® networks.





! It may take a few seconds before Wi-Fi® is enabled.

#### To turn on AT&T Wi-Fi® auto connect

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Wi-Fi**.
- 3 Tap , then tap **Advanced**.
- 4 Mark the **AT&T Wi-Fi auto connect** checkbox.

! Your device is preconfigured to connect to an AT&T Wi-Fi® hotspot when you are within range.

#### To connect to a Wi-Fi® network

- 1 From the Home screen, tap .
- 2 Find and tap **Settings**.
- 3 Make sure the Wi-Fi® function is on. Tap **Wi-Fi**.
- 4 Available Wi-Fi® networks are displayed. The available networks may be open or secured. Open networks are indicated by  and secured networks are indicated by  next to the Wi-Fi® network name.
- 5 Tap a Wi-Fi® network to connect to it. If you are trying to connect to a secure Wi-Fi® network, you are asked to enter a password.  is displayed in the status bar once you are connected.

! Your phone remembers Wi-Fi® networks you connect to. The next time you come within reach of a previously connected Wi-Fi® network, your phone automatically connects to it.

💡 In some locations, open Wi-Fi® networks require you to log in to a web page before you can get access to the network. Contact the relevant Wi-Fi® network administrator for more information.

### To connect to another Wi-Fi® network

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Wi-Fi**. Detected Wi-Fi® networks are displayed.
- 3 Tap another Wi-Fi® network to connect to it.

### To scan for Wi-Fi® networks manually

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Wi-Fi**.
- 3 Tap **Scan**. The phone scans for Wi-Fi® networks and displays available networks in a list.
- 4 Tap a Wi-Fi® network in the list to connect to it.

### To add a Wi-Fi® network manually

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Wi-Fi**.
- 3 Tap **Add network**.
- 4 Enter the **Network SSID** for the network.
- 5 Tap the **Security** field to select a security type.
- 6 If required, enter a password.
- 7 Tap **Save**.

! Contact your Wi-Fi® network administrator to get the Network SSID name and password.



## Advanced Wi-Fi® settings

Before you add a Wi-Fi® network manually, you need to turn on the Wi-Fi® setting in your phone.


### Wi-Fi® network status

When you are connected to a Wi-Fi® network or when there are Wi-Fi® networks available in your vicinity, it is possible to see the status of these Wi-Fi® networks. You can also enable the phone to notify you whenever an open Wi-Fi® network is detected.

### To enable Wi-Fi® network notifications

- 1 Turn on Wi-Fi®, if it is not already on.
- 2 From your Home screen, tap .
- 3 Find and tap **Settings** > **Wi-Fi**.
- 4 Press .
- 5 Tap **Advanced**.
- 6 Mark the **Network notification** checkbox.

### To view detailed information about a connected Wi-Fi® network



- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Wi-Fi**.
- 3 Tap the Wi-Fi® network that you are currently connected to. Detailed network information is displayed.

### Wi-Fi® sleep policy

By adding a Wi-Fi® sleep policy, you can specify when to switch from Wi-Fi to mobile data.

! If you are not connected to a Wi-Fi® network, the phone uses mobile data connection to access the Internet (if you have set up and enabled a mobile data connection in your phone).

### To add a Wi-Fi® sleep policy

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Wi-Fi**.
- 3 Press .
- 4 Tap **Advanced**.
- 5 Tap **Keep Wi-Fi on during sleep**.
- 6 Select an option.

## Wi-Fi Direct™

Use Wi-Fi Direct™ to connect to other devices directly, without joining a traditional home, office or hotspot network. For example, you can enable your phone to be connected directly to a computer so that you can access content from your phone on the computer. The devices that you share content with must have Wi-Fi Direct™ certification.

### To turn on Wi-Fi Direct™

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **More....**
- 3 Mark the **Wi-Fi Direct** checkbox.

! Wi-Fi® and Wi-Fi Direct™ cannot be turned on at the same time. Wi-Fi Direct™ gets turned off automatically when you turn on Wi-Fi®, and vice versa.

## Sharing your phone's mobile data connection

You can share your phone's mobile data connection with a single computer using a USB cable. This process is called USB tethering. You can also share your phone's data connection by turning your phone into a portable Wi-Fi® hotspot. At a given time, a maximum of eight hot spot clients can connect to the portable Wi-Fi hotspot.

💡 You must have a tethering data plan to be able to use this feature. Contact AT&T for more information.

When your phone is sharing its data connection, the following icons may appear in the status bar or in the Notification panel:



USB tethering is active




Portable Wi-Fi® hotspot is active



Both USB tethering and portable hotspot are active

### To share your phone's data connection using a USB cable


- 1 Deactivate all USB cable connections to your phone.
- 2 Using the USB cable that came with your phone, connect your phone to a computer.
- 3 From your Home screen, tap .
- 4 Find and tap **Settings** > **More... > Tethering & portable hotspot**.
- 5 Mark the **USB tethering** checkbox. The phone starts sharing its cellular data connection with the computer over the USB connection. An ongoing notification appears in the status bar and the Notification panel.
- 6 Unmark the **USB tethering** checkbox, or disconnect the USB cable to stop sharing your data connection.

! You cannot share your phone's data connection and SD card over a USB cable at the same time. For more information, see *Connecting your phone to a computer* on page 115.


💡 You may need to prepare your computer to establish a network connection via USB cable. Go to [android.com/tether](http://android.com/tether) to get the most current information.



### To share your phone's data connection as a portable Wi-Fi® hotspot

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **More...** > **Tethering & portable hotspot**.
- 3 Tap **Portable Wi-Fi hotspot settings** > **Configure Wi-Fi hotspot**.
- 4 Enter the **Network SSID** for the network. Tap the **Security** field to select a security type.
- 5 If required, enter a password.
- 6 Tap **Save**.
- 7 Mark the **Portable Wi-Fi hotspot** checkbox. The phone starts broadcasting its Wi-Fi® network name (SSID).
- 8 Unmark the **Portable Wi-Fi hotspot** checkbox when you want to stop sharing your data connection via Wi-Fi®.

### To rename or secure your portable hotspot


- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **More...** > **Tethering & portable hotspot**.
- 3 Make sure the **Portable Wi-Fi hotspot** checkbox is marked.
- 4 Tap **Portable Wi-Fi hotspot settings** > **Configure Wi-Fi hotspot**.
- 5 Enter the **Network SSID** for the network.
- 6 Tap the **Security** field and select a security type.
- 7 If required, enter a password.
- 8 Tap **Save**.

## Virtual private networks (VPNs)


Use your phone to connect to virtual private networks (VPNs), which allow you to access resources inside a secured local network from outside the actual network. For example, VPN connections are commonly used by corporations and educational institutions for users who need to access intranets and other internal services when they are outside of the internal network, for example, when they are travelling.

VPN connections can be set up in many ways, depending on the network. Some networks may require you to transfer and install a security certificate in your phone. See *Connecting your phone to a computer* on page 115 for more information on how to transfer content to your phone. For detailed information on how to set up a connection to your virtual private network, please contact the network administrator of your company or organization.

### To add a virtual private network

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **More...** > **VPN**.
- 3 Tap **Add VPN network**.
- 4 Select the type of VPN to add.
- 5 Enter your VPN settings.
- 6 Tap **Save**.

### To connect to a virtual private network

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **More...** > **VPN**.
- 3 In the list of available networks, tap the VPN you want to connect to.
- 4 Enter the required information.
- 5 Tap **Connect**.



### To disconnect from a virtual private network

- 1 Drag the status bar downwards.
- 2 Tap the notification for the VPN connection to turn it off.

# Web browser

Use your web browser to view and navigate web pages, add pages as bookmarks, and save pages for offline viewing. You can open up to 16 windows at the same time and switch among them easily. You can also request the desktop version of a web page if you don't want to view the mobile version.

## To open the web browser

- 1 From your Home screen, tap .
- 2 Find and tap .

## Browsing the web

### Search and address bar

Use the search and address bar to browse the web.



- 1 View the download progress of the current web page
- 2 Enter a search word to search for a web page, or enter a web page address to load a web page
- 3 Cancel the download of the current web page

- 💡 Sometimes the search and address bar is not displayed after a web page finishes downloading. It appears again if you flick downwards on the screen.


## To go to a web page

- 1 Tap the search and address text field to activate the keypad.
- 2 Enter a web address.
- 3 Tap **Go**.

## To search a web page

- 1 Tap the search and address text field to activate the keypad.
- 2 Enter a search word.
- 3 Tap **Go**.

## To exit the web browser

- While browsing, press .
- 💡 When you open the browser again, even after restarting the phone, the browser appears exactly as it did before you exited. For example, the same number of windows will be open.

## Navigating web pages

### To select a link

- To select a link in a web page, tap the link. The selected link gets highlighted, and the web page starts to load after you release your finger.
- 💡 If you select a link by mistake before releasing your finger, you can drag your finger away from the link to deselect it.

## To go to the previous page while browsing



- Press .

### To zoom in or out on a web page



Use one of the following methods to zoom in or out on a web page:

- Double-tap to zoom in on the web page, or double-tap again to zoom out.
- Touch an area of the page with two fingers at once and spread them apart to zoom in, or pinch them together to zoom out.



### To reload the current web page

- 1 Flick downward on the screen to make  appear.
- 2 Press , then tap **Refresh**.



### To save a web page for offline viewing

- 1 Flick downward on the screen to make  appear.
- 2 Press .
- 3 Tap **Save for offline reading**. You are directed to the **Saved pages** tab, where you can view all saved web pages.


### To view a previously saved web page

- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar.
- 3 Tap , then tap the **Saved pages** tab.
- 4 Find and select a web page you want to view.



### To load the live version of an offline web page

- 1 When an offline web page is open, flick downwards on the screen to make  appear.
- 2 Press , then tap **Go live**.



### To request the desktop version of a web page

- 1 While browsing the web page, flick downward on the screen to make  appear.
  - 2 Press , then tap **Request desktop site**.
- ! Once you choose to view the desktop version of a web page in a window, any other web pages that you view later in the same window will also show their desktop versions. Tap **Request desktop site** again to change the setting back.

### To share a link to the current web page

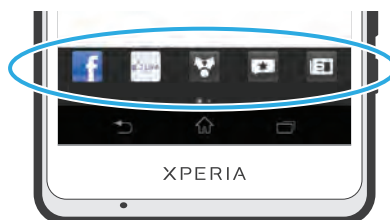
- 1 Flick downward on the screen to make  appear.
- 2 Press , then tap **Share page**.
- 3 Select an available transfer method, then follow the on-screen instructions.

### To close a browser window


- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar. A list of all open windows appears.
- 3 Tap  in the window you want to close, or flick the window left or right off the screen to close it.

## Browser Bar

Your web browser features an integrated Browser Bar. Use the Browser Bar to quickly access your favorite websites and services, to create shortcuts, and to share content with others.



#### To open the Browser Bar

- Drag  at the bottom of the browser window upward.



#### To close the Browser Bar

- Drag the Browser Bar downward.



## Managing bookmarks

Bookmarks let you access your favorite and frequently visited web pages quickly. You can add bookmarks directly from your phone browser. You can also synchronize your phone browser with Google Chrome™ bookmarks that you have synchronized to your Google account using a computer. See *To synchronize the web browser data with Google™ Chrome™* on page 65. Some bookmarks may be pre-installed on your phone.



#### To bookmark a web page

- 1 While you are viewing the web page, flick downward on the screen to make  appear.
- 2 Press , then tap **Save to bookmarks**.
- 3 If desired, edit the bookmark.
- 4 When you're done, tap **OK**.



#### To open a bookmark

- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar, then tap . The names of any accounts that you have synchronized with Google Chrome™ are displayed. Bookmarks that you have saved directly on the phone are listed under the **Local** account.
- 3 To show an account's bookmarks, tap the account. All bookmarks in the account are displayed.
- 4 To open a bookmark, tap it.



#### To edit a bookmark

- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar, then tap .
- 3 Touch and hold a bookmark.
- 4 In the menu that appears, tap **Edit bookmark**.
- 5 Edit the bookmark as desired.
- 6 When you're done, tap **OK**.



#### To add a bookmarked webpage to your Home screen

- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar, then tap .
- 3 Tap and hold a bookmark that you want to add to your Home screen.
- 4 In the menu that appears, tap **Add shortcut to home**.




### To share a bookmark

- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap , then tap .
- 3 Tap and hold a bookmark that you want to share.
- 4 In the menu that appears, tap **Share link**, then select a share option.

### To delete a bookmark




- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar, then tap .
- 3 Touch and hold a bookmark.
- 4 In the menu that appears, tap **Delete bookmark** to delete the selected bookmark.

### To bookmark a previously visited web page


- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar, then tap .
- 3 Tap the **History** tab, then tap one of the down arrows to view a list of previously visited web pages.
- 4 Tap  beside the web page you want to add as a bookmark.
- 5 If desired, edit more detailed information such as the name and location of the bookmark.
- 6 When you're done, tap **OK**.

## Managing text and images

### To find text within a Webpage

- 1 When you are viewing a web page, flick downward on the screen to make  appear.
- 2 Press , then tap **Find on page**.
- 3 Enter your search text. Characters that match your search get highlighted on the web page.
- 4 Tap the up or down arrows to go to the previous or next highlighted item.
- 5 Tap  to close the search bar.

### To copy text from a webpage

- 1 Touch and hold part of the text you want to copy until it is highlighted. Tabs appear at each end of the selection. Drag the tabs accordingly to select all the text that you want to copy.
  - 2 Tap .
  - 3 To paste text into an email, text message or multimedia message, touch and hold the text field in the relevant application and tap **Paste** in the menu that appears.
- ! If the text that you want to copy is part of a link to another web page, a menu appears in which you need to tap **Select text** before you can continue.



### To save an image from a web page

- 1 On the active web page, touch and hold the desired image until a menu appears.
- 2 Tap **Save image**.



## Multiple windows

Your browser can run up to 16 different windows at the same time. You can, for example, log in to your webmail in one window and read the daily news in another. You can easily switch from one window to another. If you want to browse the web with more privacy, you can use the incognito tab to open a window that saves no personal information or cookies while you're connected through it.

### To open a new browser window

- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar, then tap .


### To open an incognito window

- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar.
- 3 Press , then tap **New incognito tab**.

### To open a link in a new browser window

- 1 Touch and hold a link until a menu appears.
- 2 Tap **Open in new tab**.



### To switch between browser windows

- 1 When the browser is open, flick downward on the screen to make the search and address bar appear.
- 2 Tap  next to the search and address bar.
- 3 Scroll up and down to browse a list of all open windows.
- 4 Tap the window you want to switch to.


## Downloading from the web

You can download applications and content when you browse the web using the web browser in your phone. Usually you have to touch a download link for the desired file and the download then starts automatically.

### To view your downloaded files

- 1 From your Home screen, tap .
- 2 Find and tap .

### To cancel an ongoing download

- 1 When your phone starts downloading a file, drag down the status bar and tap the file you are downloading.
- 2 Mark the checkbox beside the downloading file that you want to cancel.
- 3 Tap .



## Browser settings

You can change the browser settings and customize your browser view. For example, you can change the size of the text displayed to suit your needs, or you can clear cache, cookies, browser history, and other data linked to the websites you visit.



### To access your browser settings

- 1 When the browser is open, flick downward on the screen to make  appear.
- 2 Press , then tap **Settings**.



### To change the text size on web pages

- 1 When the browser is open, flick downward on the screen to make  appear.
- 2 Press , then tap **Settings > Accessibility**.
- 3 Adjust the text size settings as desired.



### To clear the cache memory from your phone

- 1 When the browser is open, flick downward on the screen to make  appear.
- 2 Press , then tap **Settings > Privacy & security**.
- 3 Tap **Clear cache**, then tap **OK** to confirm.

### To clear your browser cookies

- 1 When the browser is open, flick downward on the screen to make  appear.
- 2 Press , then tap **Settings > Privacy & security**.
- 3 Tap **Clear all cookie data**, then tap **OK** to confirm.

### To clear your browser history

- 1 When the browser is open, flick downward on the screen to make  appear.
- 2 Press , then tap **Settings > Privacy & security**.
- 3 Tap **Clear history**, then tap **OK** to confirm.

## Auto-fitting web pages

Your browser has an auto-fit option which makes it easier to read large web pages with lots of text and images, such as news pages. When this option is enabled, your browser automatically refits images and columns of text on the screen when you double-tap the screen directly after zooming with your fingers. If auto-fit is disabled, you may need to scroll sideways to read a full sentence.



### To auto-fit web pages

- 1 When the browser is open, flick downward on the screen to make  appear.
- 2 Press , then tap **Settings > Advanced > Auto-fit pages**.

## Auto-filling text

Auto-filling allows you to automatically enter data such as names and addresses on various web forms, so you don't have to enter the same information repeatedly on different web pages.



### To create text for auto-filling


- 1 When the browser is open, flick downward on the screen to make  appear.
- 2 Press , then tap **Settings > General**.
- 3 Mark the **Form auto-fill** checkbox, if it is not already marked.
- 4 Tap **Auto-fill text**, then enter text that you want to use for auto-filling on web forms, for example, your name and address.
- 5 When you're done, tap **Save**.

## Plugin settings

You can adjust how a plugin functions on a web page. For example, you can enable plugins to get optimal visual effect when you view a web page. Alternatively, to increase browsing speed, you can configure your browser to only run plugins on demand, or you can disable plugins completely.

### To enable plug-ins on demand

- 1 When the browser is open, flick downward on the screen to make  appear.
- 2 Press , then tap **Settings > Advanced > Enable plug-ins**.
- 3 Tap **On demand**.

 You may need to restart your browser for the setting to take effect.

# Listening to music with the Walkman™ player


Get the most out of your Walkman™ player. Listen to and organize music, audio books and podcasts that you have transferred to your memory card from a computer, or purchased and downloaded from online stores.

To make content easily available to the Walkman™ player, you can use the Media Go™ application. Media Go™ helps transfer music content between a computer and a phone. For more information, see *Connecting your phone to a computer* on page 115.

## Protecting your hearing

Listening to the Walkman™ player or other media players at excessive volume or for a prolonged period of time can damage your hearing, even when the volume is at a moderate level. To alert you to such risks, a volume level warning appears when the volume is too high, and after the Walkman™ player is used for over 20 hours.

### To turn off the volume level warning

- When  appears, tap **OK** to dismiss the warning.
- 💡 Every time you restart your phone, the media volume is automatically set to moderate level.



## Copying media files to your memory card

You can copy all your favorite media content from a computer to your phone and then play or view this content on your phone. Media content can include music, photos and videos. The easiest way to transfer files is with a USB cable. After you connect the phone and computer using the USB cable, you can use the file manager application on the computer or the Media Go™ application to transfer the files.

See *Connecting your phone to a computer* on page 115 for more general information about connecting your phone to a computer and transferring files.

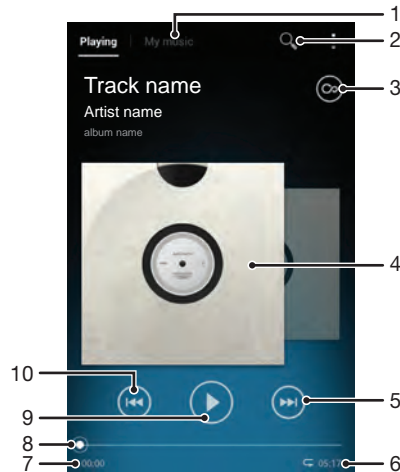
## Using the Walkman™ player

### To play audio content

- 1 From your Home screen, tap , then find and tap .
- 2 Tap **MY MUSIC** to open the music library.
- 3 Select a music category and browse to the track that you want to open.
- 4 Tap a track to play it.



## Walkman™ player overview



- 1 Browse the music on your memory card
- 2 Search all tracks saved on your phone's internal storage
- 3 Tap the infinite button to find related information online and plug-ins on Google Play™
- 4 Album art (if available)
- 5 Go to the next track in the current play queue, or fast forward
- 6 Total time length of the track
- 7 Elapsed time of current track
- 8 Progress indicator – drag the indicator or tap along the line to fast forward or rewind
- 9 Play/Pause button
- 10 Go to the previous track in the current play queue, or rewind

### To change tracks

- When a track is playing, tap or .
- When a track is playing, swipe the album art left or right.

### To pause a track

- In the Walkman™ player, tap .

### To fast forward and rewind music

- In the Walkman™ player, touch and hold or .
- 💡 You can also drag the progress indicator marker right or left.

### To adjust the audio volume

- When the Walkman™ player is playing a track, press the volume key.


### To improve the sound quality using the equalizer

- 1 When the Walkman™ player is open, press .
- 2 Tap **Sound enhancements**.
- 3 If you want to adjust the sound manually, drag the frequency band buttons up or down. If you prefer to adjust the sound automatically, tap and select a style.



### To turn on the Surround sound

- 1 When the Walkman™ player is open, press .
- 2 Tap **Sound enhancements** > > **More** > **Headphone surround**.
- 3 Select a setting.
- 4 Tap **OK**.



### To view the current play queue

- While a track is playing in the Walkman™ player, tap the album art and then tap .

### To minimize the Walkman™ player

- When the Walkman™ player is playing, press  to go to the previous screen, or press  to go to the Home screen. The Walkman™ player stays playing in the background.

### To return to the Walkman™ player when it is playing in the background

- 1 While a track is playing in the background, drag the status bar downward to open the Notification panel.
  - 2 Tap the track title to open the Walkman™ player.
- 💡 Alternatively, you can press and hold  and then tap  to return to the Walkman™ player.

### To delete a track

- 1 Open the Walkman™ player library and browse to the track that you want to delete.
  - 2 Touch and hold the track title, then tap **Delete**.
- 💡 You can delete albums and artists in the same way.

### To share a track

- 1 When browsing your tracks in the Walkman™ player library, touch and hold a track title.
  - 2 Tap **Send**.
  - 3 Select an available transfer method, and follow the on-screen instructions.
- 💡 You can also share albums and playlists in the same way.
- ! You might not be able to play copyright-protected items. Please verify that you have necessary rights in material that you intend to share.



### To recommend a track on Facebook™

- 1 While the track is playing in the Walkman™ player, tap the album art.
- 2 Tap  to show that you "Like" the track on **Facebook™**. If desired, add a comment in the comments field.
- 3 Tap **Share** to send the track to **Facebook™**. If the track is received successfully, you will get a confirmation message from **Facebook™**.



## Visualizer

The Visualizer adds visual effects to your music tracks as you play them. The effects for each track are based on the characteristics of the music. They change, for example, in response to changes in the music's loudness, rhythm, and frequency level. You can also change the background theme.


### To turn on the Visualizer

- 1 In the Walkman™ player, press .
  - 2 Tap **Visualizer**.
- 💡 Tap  to switch to full screen view.

### To change the background theme

- 1 In the Walkman™ player, press .
- 2 Tap **Visualizer**.
- 3 Press  > **Theme** and select a theme.


## Discovering related audio content

In the Walkman™ player, you can discover audio content that is related to the artist you are listening to by tapping the infinite button .

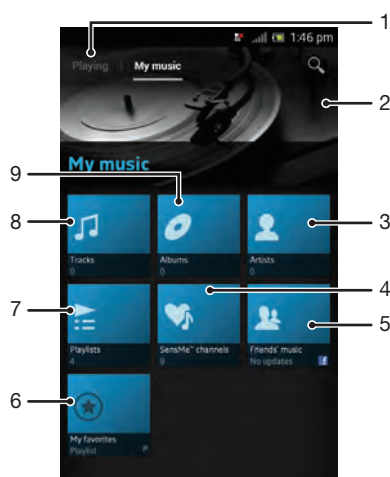
You can also search for audio content related to a particular artist while you're browsing the Walkman™ player. The Walkman™ player searches for and lists the following types of results:

- Music videos on YouTube™
- Artist info on Wikipedia™
- Lyrics on Google
- Karaoke videos on YouTube™
- Extension searches on the web
- Content from the PlayNow™ service

### To search for related content using the infinite button

- When a track is playing in the Walkman™ player, tap .

## Overview of My music







- |   |   |
|---|---|
| 1 | Go back to the current track  |
| 2 | Picture of the currently playing artist (if available)  |
| 3 | Browse your music by artist   |
| 4 | Categorize your music using SensMe™ channels  |
| 5 | Collect links to music and related content that you and friends have shared using online services |
| 6 | Browse your favorite playlists  |
| 7 | Browse all playlists  |
| 8 | Browse audio by track   |
| 9 | Browse by album   |

## Using My music to organize your tracks

Tap the My Music tab in the Walkman™ player to get an overview of all the tracks you've saved to your phone's memory card. In My Music you can manage your albums and playlists, create shortcuts, and arrange music by mood and tempo.


#### To add a music track as a shortcut

- 1 In the Walkman™ player, tap **MY MUSIC**.
- 2 Tap , ,  or , then browse to the track that you want to save as a shortcut.
- 3 Touch and hold the track title.
- 4 Tap **Add as shortcut**. The shortcut now appears in the My music main view.

#### To rearrange shortcuts


- 1 In the Walkman™ player, tap **MY MUSIC**.
- 2 Touch and hold a shortcut until it magnifies and the phone vibrates, then drag the item to a new location.

#### To delete a shortcut

- 1 In the Walkman™ player, tap **MY MUSIC**.
- 2 Touch and hold a shortcut until it magnifies and the phone vibrates, then drag the item to .

! You can't delete the following tabs: **Tracks**, **Albums**, **Artists**, **Playlists**, **Music Unlimited**, **Friends' music** and **SensMe™ channels**.


#### To update your music with the latest information

- 1 In the Walkman™ player, tap **MY MUSIC**, then press .
  - 2 Tap **Download music info > Start**. Your phone searches online and downloads the latest available album art and track information for your music.
- 💡 The SensMe™ channels application gets activated when you download music information.

### Categorizing your music using SensMe™ channels

The SensMe™ channels application helps you arrange your music by mood and tempo. SensMe™ groups all your tracks into several categories, or channels, so you can select music that matches your mood or suits the time of day.

#### To enable the SensMe™ channels application


- 1 In the Walkman™ player, tap **MY MUSIC**.
  - 2 Press , then tap **Download music info**.
- ! This application requires a mobile or Wi-Fi® network connection.

### Using the Friends' music application to share music

The Friends' music application collects links to music and music-related content that you and your friends have shared using online services such as Facebook™, YouTube™, Spotify™, last.fm™, izlesene™, and Pandora™. You may need to sign in to the relevant online service before you can use it.

! Some online services may not be available in all countries or regions.

#### To manage music from your friends

- 1 In the Walkman™ player, tap **MY MUSIC > Friends' music > Recent**.
- 2 Tap an item to open it, then work on it as desired.
- 3 Tap  to show that you "Like" the track on **Facebook™**. If desired, add a comment in the comments field.




#### To view your shared music

- 1 In the Walkman™ player, tap **MY MUSIC > Friends' music > My shares**.
- 2 Scroll to an item you want to open, then tap it. All comments about the item, if any, are displayed.

## Playing music in random order

You can play tracks in playlists in random order. A playlist can be, for example, a playlist you have created yourself, or an album.


### To play tracks in random order

- 1 In the Walkman™ player, tap **MY MUSIC**.
- 2 Tap  and navigate to an album, or tap  and browse to a playlist.
- 3 Open the album or playlist by tapping its name.
- 4 Tap  to turn on **Shuffle mode**.

### To turn off shuffle mode

- 1 When tracks are playing in random order, press .
- 2 Tap **Shuffle mode** > **Shuffle off**.

## Playlists

The Walkman™ player automatically creates Smart playlists on the playlist tab  in the Walkman™ player library. You can also create your own playlists from the music that is saved on your phone's memory card.

In addition, you can install the Media Go™ application on a computer, and use it to copy playlists from the computer to your phone's internal storage. For more information, see *Connecting your phone to a computer* on page 115.


### To create your own playlists

- 1 In the Walkman™ player, tap **MY MUSIC**.
- 2 To add an artist, album or a track to a playlist, touch and hold the name of the artist or the title of the album or track.
- 3 In the menu that opens, tap **Add to playlist** > **Create new playlist**.
- 4 Enter a name for the playlist and tap **OK**.

### To add tracks to a playlist

- 1 When browsing the Walkman™ player library, touch and hold the name of the artist or the title of the album or track you want to add.
- 2 Tap **Add to playlist**.
- 3 Tap the name of the playlist to which you want to add the artist, album or track. The artist, album or track is added to the playlist.

### To play your own playlists

- 1 In the Walkman™ player, tap **MY MUSIC**.
- 2 Tap .
- 3 Under **Playlists**, tap a playlist.
- 4 Tap a track to play it.

### To remove a track from a playlist

- 1 In a playlist, touch and hold the title of the track you want to delete.
- 2 Tap **Delete from playlist**.

### To delete a playlist


- 1 In the Walkman™ player, tap **MY MUSIC**, then select **Playlists**.
- 2 Touch and hold the playlist you want to delete.
- 3 Tap **Delete**.
- 4 Tap **Delete** again to confirm.

! You cannot delete default playlists.

## Walkman™ player widget

The Walkman™ player widget is a miniature application that gives you direct access to the Walkman™ player from your Home screen. You need to add this widget to your Home screen before you can use it.

### To add the Walkman™ player widget to your Home screen



- 1 Tap an empty area on your Home screen, then tap .
- 2 Find and tap **WALKMAN** to add.

# Using the FM radio

The FM radio in your phone works like any FM radio. For example, you can browse and listen to FM radio stations and save them as favorites. You must connect a wired headset or headphones to the phone before you can use the radio. This is because the headset or headphones act as an antenna. After one of these devices is connected, you can then switch the radio sound to the phone speaker, if desired.

- 💡 When you open the FM radio, available channels appear automatically. If a channel has RDS information, it appears a few seconds after you start listening to the channel.

## To start the FM radio

- 1 Connect a headset or a set of headphones to your phone.
- 2 From your Home screen, tap .
- 3 Find and tap **FM radio** . The available channels appear as you scroll through the frequency band.

- ! When you start the FM radio, available channels appear automatically. If a channel has RDS information, it appears a few seconds after you start listening to the channel.

## FM radio overview



- |   |   |
|---|---|
| 1 | Tuned frequency   |
| 2 | A saved favorite channel                                  |
| 3 | Tuning dial   |
| 4 | Move down the frequency band to search for a channel      |
| 5 | Move down the frequency band to the next favorite channel |
| 6 | Move up the frequency band to the next favorite channel   |
| 7 | Save or remove a channel as a favorite                    |
| 8 | Move up the frequency band to search for a channel        |
| 9 | Radio on/off button                                       |



## To move between radio channels

- Flick your finger left or right along the frequency band.
- Drag the tuning dial right or left.



## Using your favorite radio channels

You can save the radio channels you most frequently listen to as favorites. By using favorites you can quickly return to a radio channel.

### To save a channel as a favorite

- 1 When the radio is open, navigate to the channel that you want to save as a favorite.
- 2 Tap , then select .
- 3 Enter a name for the channel, then press **Save**.

### To remove a channel as a favorite

- 1 When the radio is open, tap .
- 2 Tap  next to the channel you want to remove.
- 3 Tap **Delete**.

### To move between favorite channels


- When the radio is open, tap  or .
- ! To move between favorites, you must first save at least two channels as favorites.

## Making a new search for radio channels

If you have moved to a new location or the reception has improved in your current location, you can start a new scan for radio channels.

- ! Any favorites you have saved are not affected by a new scan.



### To start a new search for radio channels

- 1 When the radio is open, press .
- 2 Tap **Search for channels**. The radio scans the whole frequency band, and all available channels are displayed.

## Switching the radio sound between devices

You can listen to the radio through a wired headset or through wired headphones. Once either device is connected, you can switch the sound to the phone speaker, if desired.



### To switch the radio sound to the phone speaker

- 1 When the radio is open, press .
  - 2 Tap **Play in speaker**.
- 💡 To switch the sound back to the wired headset or headphones, press  and tap **Play in headphones**.

## Switching between mono and stereo sound mode

You can listen to your FM radio in either mono or stereo mode. In some situations, switching to mono mode can reduce noise and improve sound quality.

### To switch between mono and stereo sound mode



- 1 When the radio is open, press .
- 2 Tap **Enable stereo sound**.
- 3 To listen to the radio in mono sound mode again, press  and tap **Force mono sound**.



## Sharing the details of music you like on Facebook™

When you listen to music using the FM Radio, you can share details of tracks you like on **Facebook**. You need to be a **Facebook** user and must be logged in to **Facebook**.

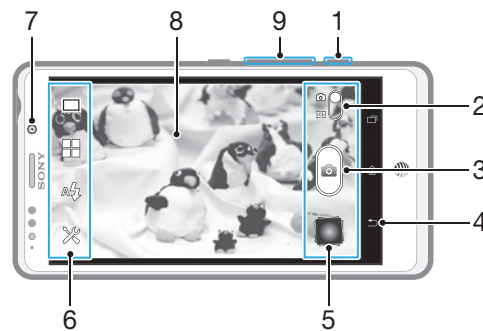
### To share details of music you like on Facebook™

- 1 When the FM radio is playing a music track that you want to share, find and tap .
  - 2 Add a comment in the comment field, if desired.
  - 3 Tap **Share** to send details of the track to **Facebook**.
  - 4 Tap **Cancel** to return to the **FM radio** application.
  - 5 Once you have posted a track to your **Facebook** account, a confirmation message appears on the FM radio screen.
- !  will not appear on the FM radio screen if you are not logged in to **Facebook**.

# Taking photos and recording videos

Your phone camera is equipped with the highly sensitive Exmor R™ sensor, which helps you capture sharp photos and videos, even in low lighting conditions. With your phone camera, you can take regular 2D photos. Send your photos and videos to friends as multimedia messages, or upload them to a web service. Your phone also has a front camera, which is useful for self-portraits.

## Camera controls overview



- |   |  |
|---|--|
| 1 | Camera key – Activate the camera/Take photos/Record videos |
| 2 | Switch between still and video camera                      |
| 3 | Take photos or record video clips                          |
| 4 | Go back a step or exit the camera                          |
| 5 | View photos and videos                                     |
| 6 | Camera setting icons                                       |
| 7 | Front camera   |
| 8 | Main camera screen   |
| 9 | Zoom in or out   |

### To open the camera

- When the screen is active, press and hold down the camera key.



### To close the camera

- Press  from the main camera screen.






## Using the still camera

There are three ways to take photos with the still camera. You can press the camera key, tap the on-screen camera button, or touch a spot on the screen.





### To take a photo using the camera key

- 1 Activate the camera.
- 2 If the still camera is not selected, drag  to .
- 3 Press the camera key halfway down to activate auto-focus.
- 4 When the focus frame or frames are green, press the camera key fully down.




### To take a photo by touching the screen

- 1 Activate the camera.
  - 2 If the still camera is not selected, drag  to .
  - 3 To display all settings, tap .
  - 4 Tap **Capturing method** and select **Touch capture** if it is not already selected.
  - 5 Point the camera toward the subject.
  - 6 To activate auto focus, touch and hold a spot on the screen. When the focus frame turns green, lift your finger to take the photo.
- ! Be careful not to touch ,  or other icons when touching the screen to take a photo.

### To take a photo by tapping the on-screen button

- 1 Activate the camera.
- 2 If the still camera is not selected, drag  to .
- 3 To display all settings, tap .
- 4 Tap **Capturing method** and select **On-screen button** if it is not already selected.
- 5 Point the camera toward the subject.
- 6 Tap the on-screen button . The photo is taken as soon as you release your finger.


### To take a self-portrait using the front camera

- 1 Activate the camera.
- 2 If the still camera is not selected, drag  to .
- 3 Tap the icon on the top left of the screen, then select **Front camera**.
- 4 To display all settings, tap .
- 5 To take the photo, press the camera key. The photo is taken as soon as you release your finger.


### To use the zoom function

- When the camera is open, press the volume key up or down to zoom in or out.


### To use the still camera flash

- 1 When the camera is open, tap .
- 2 Tap **Flash**, and select your desired flash setting.
- 3 Take the photo.

### To view your photos and videos

- 1 Open the camera, then tap a thumbnail at the bottom of the screen to open a photo or video.
  - 2 Flick left or right to view your photos and videos. Videos are identified by .
- 💡 In step 1, you can also flick the thumbnails from right to left and then select the one you want to view.




### To delete a photo

- 1 Open the photo you want to delete.
- 2 Tap .

## Face detection

You can use face detection to bring an off-center face into focus. The camera automatically detects up to five faces, indicated by white frames. A yellow frame shows which face has been selected for focus. Focus is set to the face closest to the camera. You can also tap one of the frames to select which face should be in focus.

### To turn on face detection

- 1 Activate the camera.
- 2 If the still camera is not selected, drag  to .
- 3 Tap the icon on the top left, then select **Normal**.
- 4 To display all settings, tap .
- 5 Tap **Focus mode > Face detection**.




### To take a photo using face detection

- 1 When the camera is open and **Face detection** turned on, point the camera at your subject. Up to five faces can be detected, and each detected face is framed.
- 2 Press the camera key halfway down. A green frame shows which face is in focus.
- 3 To take the photo, press the camera key fully down.

## Smile detection

Smile detection allows you to capture a face just as it smiles. The camera detects up to five faces and selects one face for smile detection and auto focus. A green frame shows which face is selected. When the selected face smiles, the camera automatically takes a photo.

### To turn on smile detection



- 1 Activate the camera.
- 2 If the still camera is not selected, drag  to .
- 3 To display all settings, tap .
- 4 Tap **Smile detection** and select a smile level.

### To take a photo using smile detection






- 1 When the camera is open and **Smile detection** is turned on, point the camera at your subject. Each detected face is framed in the viewfinder (not more than five faces).
- 2 The camera selects which face to focus on.
- 3 The face selected appears inside a green frame and the photo is taken automatically.
- 4 If no smile is detected, press the camera key to take the photo manually.

## Adding the geographical position to your photos

Turn on geotagging to add the approximate geographical location (a geotag) to photos when you take them. The geographical location is determined either by wireless networks (mobile or Wi-Fi® networks) or GPS technology.




When  appears on the camera screen, geotagging is turned on but the geographical position has not been found. When  appears, geotagging is turned on and the geographical location is available, so your photo can get geotagged. When neither of these two symbols appear, geotagging is turned off.

### To turn on geotagging



- 1 Activate the camera.
- 2 If the still camera is not selected, drag  to .
- 3 Tap , then tap **Geotagging > On**.
- 4 Tap **OK** to agree to enable GPS and/or wireless networks.
- 5 Check the options you want to select under **Location services**.
- 6 After you confirm your settings, press  to return to the camera screen.
- 7 If  appears on the camera screen, your location is available and your photo can get geotagged. If not, check your GPS and/or wireless network connection.

## Using still camera settings

### To adjust the still camera settings

- 1 Activate the camera.
- 2 If the still camera is not selected, drag  to .
- 3 Tap one of the settings icons on the left of the screen.
- 4 To display all settings, tap .
- 5 Select the setting you want to adjust, then edit as desired.

### To customize the still camera settings panel

- 1 When the camera is open, tap  to display all settings.
  - 2 Touch and hold the setting you want to move and drag it to the desired position.
-  If you drag the setting outside of the settings panel, the change is canceled.

## Still camera settings overview



**Scene recognition**



**Normal**



**Front camera**

Select the front camera if you want to take self-portrait photos.



**Sweep Panorama**

Use this setting to take wide-angle, panoramic photos. Just press the camera key and move the camera steadily from one side to the other.

## Focus mode

The focus function controls which part of a photo should be sharp. When continuous autofocus is on, the camera keeps adjusting focus so that the area within the white focus frame stays sharp.



**Single autofocus**

The camera automatically focuses on the selected subject. Continuous autofocus is on. Touch and hold the camera screen until the white focus frame turns green, indicating that the focus is set. The photo is taken when you release your finger.



**Multi autofocus**

The focus is automatically set on several areas of the image. Touch and hold the camera screen until the white focus frame turns green, indicating that the focus is set. The photo is taken when you release your finger. Continuous autofocus is off.




**Face detection**

The camera automatically detects up to five human faces, indicated by frames on the camera screen. The camera automatically focuses on the nearest face. You can also select which face to focus on by tapping it on the screen. Touch and hold the camera screen until the white focus frame turns green, indicating that the focus is set. The photo is taken when you release your finger. Face detection cannot be used for all scene types. Continuous autofocus is on.



**Touch focus**

Touch a specific area on the camera screen to set the area of focus. Continuous autofocus is off. Touch and hold the camera screen until the white focus frame turns green, indicating that the focus is set. The photo is taken when you release your finger.

-  This setting is only available in **Normal** capturing mode.

## Exposure value



Determine the amount of light in the photo you want to take. A higher value indicates an increased amount of light.

-  This setting is only available in **Normal** capturing mode.

## Image stabilizer

When taking a photo, it can be difficult to hold the phone steady. The stabilizer helps you by compensating for small movements of the hand.

## Metering

This function automatically determines a well-balanced exposure by measuring the amount of light striking the image you want to capture.



### Center

Adjust the exposure to the center of the image.



### Average

Calculate the exposure based on the amount of light striking the whole image.



### Spot

Adjust the exposure in a very small part of image you want to capture.

! This setting is only available in **Normal** capturing mode.

## White balance

The white balance setting adjusts the color balance according to the lighting conditions.



### Auto

Adjust the color balance automatically to the lighting conditions.



### Incandescent

Adjusts the color balance for warm lighting conditions, such as under light bulbs.



### Fluorescent

Adjust the color balance for fluorescent lighting.



### Daylight

Adjust the color balance for sunny outdoor conditions.



### Cloudy

Adjust the color balance for a cloudy sky.

! This setting is only available in **Normal** capturing mode.

## Scenes

Use the Scenes feature to quickly set up the camera for common situations using pre-programmed scenes. The camera determines a number of settings for you to fit the selected scene, ensuring the best possible photo.



### Off

The Scenes feature is off and photos can be taken manually.



### Portrait

Use for portrait photos. Settings are optimized to give slightly softer skin tones.



### Landscape

Use for landscape photos. The camera focuses on distant objects.



### Night scene

Use when taking photos at night or in poorly lit environments. Due to long exposure time, the camera must be held still or placed on a stable surface.



### Night portrait

Use for portrait photos at night or in poorly lit environments. Due to long exposure time, the camera must be held still or placed on a stable surface.



### Beach and snow

Use in bright environments to avoid underexposed photos.



### Sports

Use for photos of fast-moving objects. Short exposure time minimizes motion blurring.



### Party

Use for indoor photos in poorly lit environments. This scene picks up indoor background lighting or candlelight. Due to long exposure time, the camera must be held still or placed on a stable surface.



#### **Document**

Use for photos of text or drawings. Gives the photo increased, sharper contrast.

! This setting is only available in **Normal** capturing mode.

## **ISO**

You can reduce image blurring caused by dark conditions or moving subjects by increasing the ISO sensitivity.



#### **Auto**

Sets the ISO sensitivity automatically.



#### **100**

Sets the ISO sensitivity to 100.



#### **200**

Sets the ISO sensitivity to 200.



#### **400**

Sets the ISO sensitivity to 400.



#### **800**

Sets the ISO sensitivity to 800.

! This setting is only available in **Normal** capturing mode.

## **Flash**

Use the flash to take photos when lighting conditions are poor or when there is a backlight.



#### **Auto**

The camera automatically determines if the lighting conditions require the use of a flash.



#### **Fill flash**

Use this setting when the background is brighter than the subject. This removes unwanted dark shadows.



#### **Off**

The flash is turned off. Sometimes photo quality can be better without the flash, even if lighting conditions are poor. Taking a good photo without using the flash requires a steady hand. Use the self-timer to avoid blurred photos.



#### **Red-eye reduction**

Reduces the red color of eyes when taking a photo.

## **Resolution**

Choose between several picture sizes and aspect ratios before taking a photo. A photo with a higher resolution requires more memory.



#### **13 MP 4:3**

13 megapixel picture size with 4:3 aspect ratio. Suitable for photos you want to view on non-widescreen displays or print in high resolution.



#### **10 MP 16:9**

10 megapixel picture size with 16:9 aspect ratio. A high resolution widescreen format. Has a higher resolution than full HD. Suitable for photos you want to view on widescreen displays.



#### **2MP 4:3**

2 megapixel picture size with 4:3 aspect ratio. Suitable for photos you want to view on non-widescreen displays.



#### **2MP 16:9**

2 megapixel picture size with 16:9 aspect ratio. Suitable for photos you want to view on widescreen displays.

## Self-timer

With the self timer you can take a photo without holding the phone. Use this function to take self-portraits, or group photos where everyone can be in the photo. You can also use the self-timer to avoid shaking the camera when taking photos.



### On (10 sec.)

Set a 10-second delay from when you tap the camera screen until the photo is taken.



### On (2 sec.)

Set a 2-second delay from when you tap the camera screen until the photo is taken.



### Off

The photo is taken as soon as you tap the camera screen.

## Smile detection

Use the smile detection function to determine what kind of smile the camera reacts to before taking a photo.

## Geotagging



Tag photos with details of where you took them.



### On

When geotagging is turned on, the approximate geographical location is added to photos when you take them. To use geotagging, you must enable location features from the **Settings** menu.

See *Using location services to find your position* on page 118.

For geotags to be added to a photo, the location must be determined before you take the photo. Your location is determined when  appears on the camera screen. When the phone is searching for your position,  appears.



### Off

When geotagging is turned off, you cannot view the location where you took a photo.

## Capturing method

Select the method you use to take photos.



### On-screen button

Take a photo by tapping the on-screen button on the camera screen. The photo is taken as soon as you release your finger.



### Touch capture

Identify a particular focus area by touching the camera screen with your finger. The photo is taken as soon as you release your finger. This applies only when focus mode is set to touch focus.



### Camera key only

Take a photo only using the hardware camera key. The photo is taken as soon as you release your finger.

## Quick launch

Quick launch settings let you activate the camera from sleep mode by pressing and holding down the camera key.



### Launch and capture

By pressing and holding down the camera key, the first photo is captured immediately after the camera is launched from sleep mode.



### Launch only

By pressing and holding down the camera key, the camera is launched from sleep mode.



### Off

While the phone is in sleep mode, the camera cannot be launched, even when you press and hold down the camera key.



## Tips on using the camera

### Rule of thirds

Don't place your subject in the middle of the frame. By placing it a third of the way in, you achieve a better result.

### Hold it steady

Avoid blurry photos by holding the camera steady. Try to steady your hand by leaning it against a solid object.

### Get closer

By getting as close as possible to your subject, you can fill the camera screen view with your subject.

### Consider variety

Think about different angles, and move towards the subject. Take some vertical photos. Try different positions.

### Use a plain background




A plain background helps highlight your subject.

### Keep your lens clean





Cell phones are used in all kinds of weather and places, and carried in pockets and bags. This results in the camera lens becoming dirty and covered with fingerprints. Use a soft cloth to clean the lens.

## Using the video camera







### To record a video using the camera key

- 1 Activate the camera.
  - 2 If the video camera is not selected, drag  to .
  - 3 To start recording a video, press the camera key.
  - 4 To stop recording, press the camera key again.
-  Shoot your videos in landscape orientation to get the best results.








### To record a video by tapping the screen

- 1 Activate the camera.
  - 2 If the video camera is not selected, drag  to .
  - 3 To display all settings, tap .
  - 4 Tap **Capturing method** > **Touch capture** if it is not already selected.
  - 5 Tap the camera screen to start recording.
  - 6 Tap the camera screen to stop recording.
-  Shoot your videos in landscape orientation to get the best results.


### To record a video by tapping the on-screen button

- 1 Activate the camera.
  - 2 If the video camera is not selected, drag  to .
  - 3 To display all settings, tap .
  - 4 Tap **Capturing method**, then select **On-screen button** if it is not already selected.
  - 5 Point the camera toward the subject.
  - 6 Tap  to start recording.
  - 7 Tap  to stop recording.
-  Shoot your videos in landscape orientation to get the best results.

### To play recorded videos




- 1 Activate the camera.
  - 2 If the video camera is not selected, drag  to .
  - 3 Tap the thumbnails on the bottom of the screen.
  - 4 Flick left or right to browse all photo and video files. Videos are identified by .
  - 5 Tap  to play a video.
  - 6 To stop playing the video, tap  or .
-  You can also flick the thumbnails from right to left to find the file that you want to play.

### To delete a recorded video



- 1 Browse to the video that you want to delete.
- 2 Tap .

## Using video camera settings

### To adjust video camera settings

- 1 Activate the camera.
- 2 If the video camera is not selected, drag  to .
- 3 Tap one of the settings icons on the left of the screen.
- 4 To display all settings, tap .
- 5 Select the setting you want to adjust, then make your changes.

### To customize the video camera settings panel

- 1 When the video camera is open, tap  to display all settings.
  - 2 Touch and hold the setting that you want to move, then drag it to the desired position.
-  If you drag the setting outside of the settings panel, the change is canceled.

## Video camera settings overview

### Scenes

The Scenes feature helps you to quickly set up the camera for common situations using preprogrammed scenes. The camera determines a number of settings for you to fit the selected scene, ensuring the best possible video.



#### Off

The Scenes feature is off and you can shoot videos manually.



#### Portrait

Use for portrait videos. Settings are optimized to give slightly softer skin tones.



#### Landscape

Use for videos of landscapes. The camera focuses on distant objects. When **Landscape** is selected, focus mode is changed to **Single autofocus**.



#### Night

When turned on, light sensitivity is increased. Use in poorly lit environments. Videos of fast moving objects may get blurred. Hold your hand steady, or use a support. Turn off night mode when lighting conditions are good, to improve the video quality.



#### Beach and snow

Use in bright environments to avoid underexposed videos.



#### Sports

Use for videos of fast moving objects. Short exposure time minimizes motion blurring.



#### Party

Use for indoor videos in poorly lit environments. This scene picks up indoor background lighting or candlelight. Videos of fast moving objects may get blurred. Hold your hand steady, or use a support.

## Photo light

Use the light to record videos when lighting conditions are poor or when there is a backlight.



**On**



**Off**

Sometimes the video quality can be better without a light, even if lighting conditions are poor.

## Capturing method

Select the method you use to record a video.



**On-screen button**

Record a video by using the on-screen button on the camera screen.



**Touch capture**

Identify a particular focus area by touching the camera screen with your finger.



**Camera key only**

Record a video by using only the hardware camera key.

## Focus mode

The focus setting controls which part of a video should be sharp. When continuous autofocus is on, the camera keeps adjusting focus so that the area within the white focus frame stays sharp.



**Single autofocus**

The camera automatically focuses on the selected subject. Continuous autofocus is on.



**Face detection**

The camera automatically detects up to five human faces, indicated by frames on the screen. The camera automatically focuses on the nearest face. You can also select which face to focus on by tapping it on the screen. When you tap the camera screen, a green frame shows which face is selected and in focus. Face detection cannot be used for all scene types. Continuous autofocus is on.

## Video resolution

Adjust the video resolution for different formats.



**Full HD**

Full HD (Full High Definition) format with 16:9 aspect ratio. 1920×1080 pixels.



**HD 720p**

HD (High Definition) format with 16:9 aspect ratio. 1280×720 pixels.



**VGA**

VGA format with 4:3 aspect ratio. 640×480 pixels.



**Multimedia message**

Record videos suitable for sending in multimedia messages. The recording time of this video format is limited to fit in a multimedia message.

## Self timer

With the self timer you can record a video without holding the phone. Use it to record group videos where everyone can be in the video. You can also use the self-timer to avoid shaking the camera when recording videos.



**On (10 sec.)**

Set a 10-second delay from when you tap the camera screen until the video begins to record.



**On (2 sec.)**

Set a 2-second delay from when you tap the camera screen until the video begins to record.



**Off**

The video begins to record as soon as you tap the camera screen.

## Exposure value



This setting allows you to determine the amount of light in the image you capture. A higher value indicates an increased amount of light.

## White balance

The white balance setting adjusts the color balance according to the lighting conditions.



### Auto

Adjust the color balance automatically to the lighting conditions.



### Incandescent

Adjusts the color balance for warm lighting conditions, such as under light bulbs.



### Fluorescent

Adjust the color balance for fluorescent lighting.



### Daylight

Adjust the color balance for sunny outdoor conditions.



### Cloudy

Adjust the color balance for a cloudy sky.

## Image stabilizer

When recording a video, it can be difficult to hold the phone steady. The stabilizer helps you by compensating for small movements of the hand.

## Microphone

Select whether to pick up the surrounding sound when recording videos.

## Shutter sound

Choose whether to turn on or turn off the shutter sound when you record a video.

# Viewing photos and videos in Album

Use Album to view photos and play videos that you've taken with your phone camera, or to view similar content that you've downloaded or copied to the memory card. You can add geotags to your photos and videos, and then view them on a world map. In Album, you can also view photos and videos that you've uploaded to an online service, for example, to a Picasa™ web album or to Facebook™.

From Album, you can also share your favorite photos and videos with friends via using Bluetooth™ wireless technology, email, messaging, and various online services. And you can perform basic editing tasks on photos and set them as wallpaper or contact pictures. For more information, see *Connecting your phone to a computer* on page 115.

## Album tab overview

The following tabs are available in Album:

- **Pictures** – view all photos and videos saved to the memory card.
- **Maps** – view your geotagged photos and video clips on a world map.
- **Online** – view your online albums.

## Mobile BRAVIA® Engine

Sony's Mobile BRAVIA® Engine technology improves the viewing quality of photos and videos after you take them, giving you clearer, sharper, and more natural images. Mobile BRAVIA Engine is turned on by default, but you can turn it off if you want to reduce battery consumption.

### To turn off Mobile BRAVIA® Engine

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Display**.
- 3 Unmark the **Mobile BRAVIA Engine** checkbox if it is already marked.

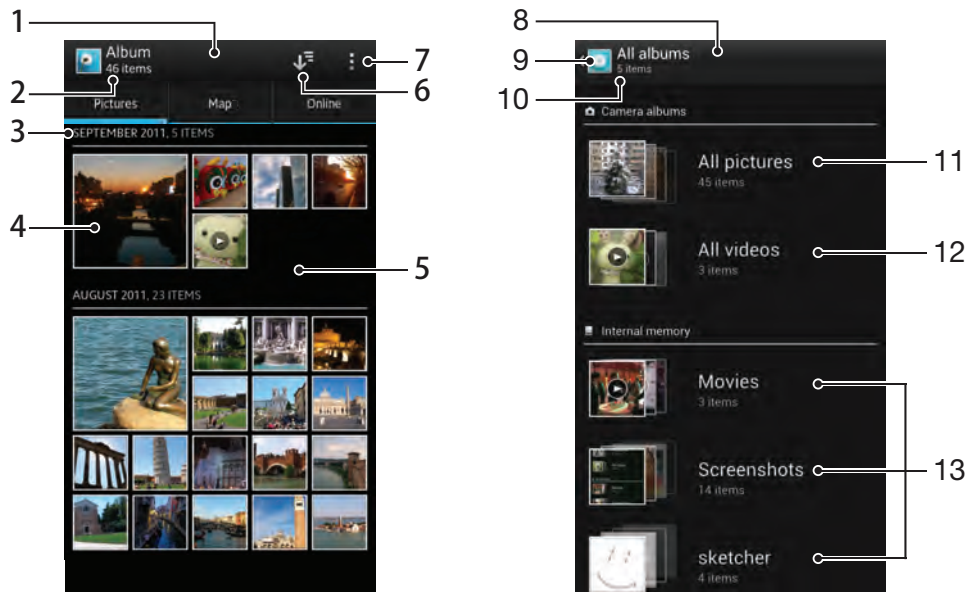
### To open Album

- 1 From your Home screen, tap .
  - 2 Find and tap **Album**.
-  If the screen orientation does not change automatically when you turn the phone sideways, mark the **Auto-rotate screen** checkbox under **Settings** > **Display**.

## Viewing photos and videos saved in the phone




In the grid view of the **Pictures** tab in Album, you can view the thumbnails of photos and videos. You can also go to the list view of all albums and find content in each folder.

## Overview of Pictures tab






- 1 Grid view of photos and videos.
- 2 Total number of photos and videos.
- 3 The date and number of items in the group below.
- 4 Tap a photo or video to view it.
- 5 Scroll up or down to view content.
- 6 Switch to a list view of all folders containing pictures and videos saved on your phone.
- 7 View menu options.
- 8 List view of all folders containing pictures and videos saved on your phone.
- 9 Tap to return to grid view in the **Pictures** tab.
- 10 The number of the folders containing pictures and videos.
- 11 Folder containing all pictures taken with your phone camera.
- 12 Folder containing all videos taken with your phone camera.
- 13 All other folders containing pictures and/or videos that you've downloaded or copied to your phone.

### To view photos and videos in grid view

- 1 From your Home screen, tap .
  - 2 Find and tap **Album**. All photos and videos are displayed in a chronologically ordered grid. Videos are indicated by .
  - 3 Tap a photo or video to view it.
  - 4 Flick left to view the next photo or video. Flick right to view the previous photo or video.
-  If the screen orientation does not change automatically when you turn the phone sideways, mark the **Auto-rotate screen** checkbox under **Settings > Display**.


### To view photos and videos in list view

- 1 From your Home screen, tap .
  - 2 Find and tap **Album > Pictures**.
  - 3 Tap . Folders containing photos and videos shot using the phone camera are displayed at the top. All other folders containing pictures and videos saved on your phone are displayed in an alphabetical list.
  - 4 Tap a folder you want to open. The folder's content appears in a chronologically ordered grid. Videos are indicated by .
  - 5 Tap a photo or video to view it.
  - 6 Flick left to view the next photo or video. Flick right to view the previous photo or video.
- 💡 If the screen orientation does not change automatically when you turn the phone sideways, mark the **Auto-rotate screen** checkbox under **Settings > Display**.

### To change the size of the thumbnails in Album

- When viewing thumbnails of photos and videos in Album, spread two fingers apart to zoom in, or pinch two fingers together to zoom out.

### To work with batches of photos or videos in Album

- 1 When viewing thumbnails of photos and videos in Album, press  and tap **Select items** to activate selection mode.
  - 2 Tap the items you want to work with. Selected items are indicated by a blue frame.
  - 3 Use the tools in the toolbar at the top of the screen to work with your selected items.
- 💡 To activate selection mode, you can also touch and hold an item until its frame turns blue. Then you can tap other items to select them.


## Working with photos in Album

You can edit photos in Album. For example, you can crop photos, associate them with contacts, or use them as wallpaper.

### To zoom a photo

- When you are viewing a photo, double-tap the screen to zoom in. Double-tap again to zoom out.
- When you are viewing a photo, spread two fingers apart to zoom in, or pinch two fingers together to zoom out.


### To watch a slideshow of your photos

- 1 When you are viewing a photo, press  and tap **Slide show** to start playing all the photos in an album.
- 2 Tap a photo to end the slideshow.


### To rotate a photo

- 1 When you are viewing a photo, press .
- 2 Select **Rotate left** or **Rotate right**. The photo is saved in the new orientation.

### To crop a photo

- 1 When you are viewing a photo, press , then tap **Crop**.
- 2 To adjust the crop frame, touch and hold the edge of the crop frame. When the squares at the edges disappear, drag inward or outward to resize the frame.
- 3 To resize all sides of the crop frame at the same time, touch and hold one of the four corners to make the squares at the edges disappear, then drag the corner accordingly.
- 4 To move the crop frame to another area of the photo, touch and hold inside the frame, then drag it to the desired position.
- 5 To save a copy of the photo as you cropped it, tap **Crop**. The original uncropped version remains on your phone's memory card.

### To use a photo as a contact picture

- 1 When you are viewing a photo, press , then tap **Use as** > **Contact picture**.
- 2 Select the contact you want to associate with the photo.
- 3 Crop the photo, if required.
- 4 Tap **Crop**.


### To use a photo as wallpaper

- 1 When you are viewing a photo, press , then tap **Use as** > **Wallpaper**.
- 2 Crop the photo, if required.
- 3 Tap **Crop**.




### To edit a photo

- When you are viewing a photo, press , then tap **Edit photo**.


### To share a photo

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
- 2 In the menu that opens, tap the application that you want to use to share the photo, then follow the steps to send it.

### To add a geotag to a photo

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap  to open the map screen.
  - 2 Find and tap the desired location to put the photo on the map.
  - 3 To adjust the location of the photo, tap the location on the map to where you want to move the photo.
  - 4 When you are done, tap **OK** to save the geotag and return to the photo viewer.
-  When a photo is geotagged,  appears along with location information. You can tap this icon to view the photo on a map.

### To delete a photo

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
- 2 Tap **OK**.


## Working with videos in Album

Use Album to watch videos that you've taken with the camera, downloaded, or copied to your memory card. You can also share your videos with friends, or upload them to YouTube™.

### To play a video

- 1 Open the **Pictures** tab in Album.
- 2 Using grid view or list view, locate the video that you want to open.
- 3 Tap the video to play it.
- 4 If the playback controls are not displayed, tap the screen to display them. To hide the controls, tap the screen again.

### To pause a video

- 1 When a video is playing, tap the screen to display the controls.
- 2 Tap .

### To fast forward and rewind a video


- 1 When a video is playing, tap the screen to display the controls.
- 2 Drag the progress bar marker left to rewind, or right to fast forward.

### To adjust the volume of a video


- Press the volume key.



### To share a video

- 1 When a video is playing, press , then tap **Share**.
  - 2 In the menu that opens, tap the application that you want to use to share the selected video, then follow the relevant steps to send it.
- ! You might not be able to copy, send or transfer copyright-protected items. Also, some items may not send if the file size is too large.

### To delete a video

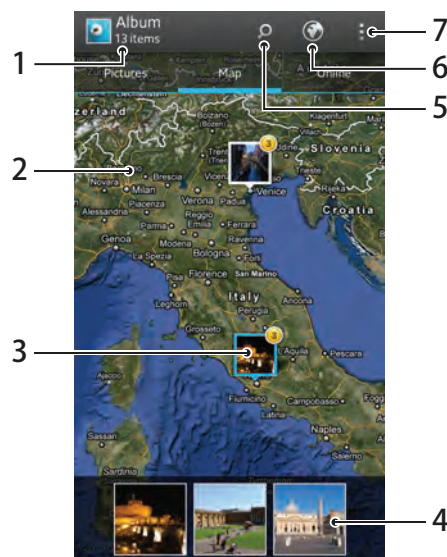
- 1 In Album, find the video you want to delete.
- 2 Touch and hold the video to activate selection mode. The frame of the video thumbnail turns blue when it is selected.
- 3 Tap , then tap **OK**.

## Viewing your photos on a map

If you enable location detection when taking photos, you can use the information gathered at a later stage. For example, you can view your photos on a map and show friends and family where you were when you took the photo. Adding location information is also referred to as geotagging. When you enable location detection, you can select to use either GPS satellites or wireless networks, or both, to find your position.

For more information, see *Using location services to find your position* on page 118.

## Overview of Maps tab






- 1 The number of geotagged photos and videos.
- 2 Double tap to zoom in. Pinch to zoom out. Drag to view different parts of the map.
- 3 A group of photos and/or videos geotagged with the same location.
- 4 Thumbnails of the selected group of photos and/or videos. Tap an item to view it in full screen.
- 5 Search a location on the map.
- 6 Switch to globe view.
- 7 View menu options.


### To enable location detection

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Location services**.
- 3 Mark the **GPS satellites** and/or **Google's location service** checkboxes.

### To view geotagged photos on a map in Album

- 1 From your Home screen, tap .
  - 2 Find and tap **Album > Maps**.
  - 3 Tap a photo to view it in full screen.
  - 4 If several photos were taken at the same location, only one of them appears on the map. The total number of photos appears in the top right corner, for example, . To view these photos, tap the cover photo and then tap one of the thumbnails at the bottom of the screen.
- 💡 When viewing a geotagged photo in the photo viewer, you can touch the screen to display the toolbars, then tap  to view the photo on the map.

### To add a geotag when viewing the map in Album

- 1 When viewing the map in Album, press , then tap **Add geotag**.
- 2 Find and tap the photo to which you want to add the geotag.
- 3 Tap the desired location on the map to set the geotag, then tap **OK**.

### To edit the geotag of a photo in Album

- 1 When viewing a photo on the map in Album, touch and hold the photo until its frame turns blue.
- 2 Drag the photo to the new location.

- 💡 You can also tap the desired location on the map instead of dragging.

### To change the map view in Album

- When viewing the map in Album, press , then select **Classic view** or **Satellite view**.

## Viewing your online albums

In Album, you can view the photos and videos you've uploaded to online services, such as Picasa™ and Facebook™. View comments from your friends and add your own comments as well. You can also recommend or "Like" a photo when you view your albums in Facebook™.

### Overview of Online tab



1 Number of available online albums.


2 Active online service.

3 Name of an online album.


4 Number of items in the online album.

5 View menu options.

### To view photos from online services in Album

- 1 Make sure you are signed in to the relevant online service, for example, Facebook™.
- 2 From your Home screen, tap .
- 3 Find and tap **Album > Online**. All your available online albums are displayed.
- 4 Tap any album to view its contents, then tap a photo in the album.
- 5 In the photo viewer, flick left to view the next photo or video. Flick right to view the previous photo or video.

### To view and add comments to online album content

- 1 When viewing a photo from an online album, tap the screen to display the toolbars, then tap  to view the comments.
- 2 To view more comments, scroll down the screen.
- 3 To add your own comments, enter your comments at the bottom of the screen, then tap **Post**.

### To recommend a photo or video on Facebook™




- While viewing a photo or video from one of your Facebook™ albums, tap the screen to display the toolbars, then tap  to show that you "Like" the item on Facebook™.

# Playing video clips in Movies


Use the Movies application to play movies that you've copied or downloaded to your phone. Movies also helps you get poster art, plot summaries, genre info, and director details for each movie. You can share your favorite movies with friends, for example, via Bluetooth™ wireless technology, or via online services. You can also play your movies on other devices that are connected to the same network.


- ! Video clips taken with your phone camera are displayed in Album, not in Movies. For more information, see *Viewing photos and videos in Album* on page 101.

## To play video clips in Movies


- 1 From your Home screen, tap .
- 2 Find and tap **Movies**. All movies are displayed in a grid.
- 3 Tap the movie you want to select, then tap  to play it.
- 4 To display or hide the controls, tap the screen.
- 5 To pause the movie, tap .
- 6 To rewind the movie, drag the progress bar marker left. To fast-forward the movie, drag the progress bar marker right.

## To play a movie in full screen





- 1 When a movie is playing, tap the screen to display the controls.
- 2 Tap .

- 💡 To play the movie in its original size, tap .

## To share a movie


- 1 When a movie is playing, press , then tap **Share**.
- 2 In the menu that opens, tap the application that you want to use to share the selected video, then follow the relevant steps to send it.

## To get movie information manually

- 1 From your Home screen, tap .
- 2 Find and tap **Movies**. All movies are displayed in a grid.
- 3 Press , then make sure that the **Online mode** checkbox is marked and that your phone has a data connection.
- 4 Touch and hold the movie for which you want to get information, then tap **Search for info** in the list that appears.
- 5 In the search field, enter keywords for the movie, then tap . All matches are displayed in a list.
- 6 Tap the result you want, then tap **Done**. The download of the information begins.
- 7 When the download is finished, tap the movie to view its information. If the information is not correct, tap  and search again.

- ! Data transmission charges may apply.

## To clear the information for a movie



- 1 From your Home screen, tap .
- 2 Find and tap **Movies**. All movies are displayed in a grid.
- 3 Touch and hold the desired movie, then tap **Clear info** from the list that appears.

## Playing your videos on other DLNA Certified™ devices

Using DLNA, you can share video files with another device on the same Wi-Fi® network, such as a PC or a TV. This device must be able to function as a DLNA renderer, which means that it has a DLNA tag. If the device is a PC, it must run Windows® 7 or higher.

- ! The instructions described above may differ depending on the DLNA renderer used. Also refer to the user guide for the respective device for more detailed information.

### To play a video on another DLNA Certified™ devices

- 1 Make sure that your phone and the other device are connected to the same Wi-Fi® network.
- 2 If the renderer device is a PC running on Windows® 7, open the Windows Media Player, and make sure that the selected network type is *Home network*. Then click *Stream* and enable the *Allow remote control of my Player* and *Automatically allow devices to play my media* options.
- 3 From your Home screen, tap , then find and tap **Movies**.
- 4 Tap the video you want to play, then tap .
- 5 Select the device that you want to share with. The video starts to play automatically on the device that you have selected.

# Sharing content with DLNA Certified™ devices


You can view or play media content saved in your phone on other devices such as, for example, a TV, a PlayStation®3, a computer, or a tablet. Such devices must be DLNA Certified™ by the Digital Living Network Alliance and must be connected to the same Wi-Fi® network as your phone in order for content to be shared. You can also view or play content from other DLNA Certified™ devices on your phone.

After you set up content sharing between devices, you can, for example, print files from your phone on a printer, listen to music files stored on your home computer from your phone, or view photos taken with your phone camera on a big-screen TV.

## Playing files from DLNA Certified™ devices on your phone

When you play files from another DLNA Certified™ device on your phone, this other device acts as a server. In other words, it shares content over a network. The server device must have its content sharing function enabled and must be connected to the same Wi-Fi network as your phone. All server devices connected to the Wi-Fi network are displayed in the **Server list** on your phone.




### To play a shared media file on your phone

- 1 Make sure the devices that you want to share files with are connected to the same Wi-Fi® network as your phone.
- 2 From your Home screen, tap , then find and tap **Connected devices**.
- 3 Select a connected device under **Server list**.
- 4 Browse the folders of the connected device and select the media file you want to open. The file starts playing automatically.



## Preparing to play phone content on DLNA Certified™ devices

Before you can view or play media files from your phone on other DLNA Certified™ devices, you must set up file sharing on your phone. The devices you share content with are called client devices. For example, a TV, computer or tablet can act as client devices. Your phone works as a media server when it makes content available to client devices. When you set up file sharing on your phone, you must also give access permission to client devices. After you do so, such devices appear as registered devices. Devices that are waiting for access permission are listed as pending devices.



### To set up file sharing with other DLNA Certified™ devices

- 1 Connect your phone to a Wi-Fi® network.
  - 2 From your Home screen, tap , then find and tap **Connected devices**.
  - 3 Press , then tap **Media server**.
  - 4 Tap **Change server name** and edit your phone name, if desired. This name will later appear on other client devices connected to the Wi-Fi network to identify your phone.
  - 5 To turn on the **Share content** function, drag the slider.  appears in the status bar. Your phone can now work as a media server.
  - 6 Connect your computer or other devices to the same Wi-Fi® network as your phone.
  - 7 A notification appears in the status bar of the phone. Open the notification and set the relevant access permissions for other devices.
- ! The instructions described above may differ depending on the client devices used. Refer to your client device User guide for more information. If the device cannot connect, check that your Wi-Fi network is working.
- 💡 If you close the **Connected devices** view, the Media server function stays running in the background.



### To stop sharing files with other DLNA Certified™ devices

- 1 From your Home screen, tap , then find and tap **Connected devices**.
- 2 Press , then tap **Media server**.
- 3 Drag the slider to turn off the **Share content** function.



### To set access permissions for a pending device

- 1 From your Home screen, tap , then find and tap **Connected devices**.
- 2 Press , then tap **Media server**.
- 3 Select a device from the **Pending devices** list.
- 4 Select an access permission level.

### To change the name of a registered device

- 1 From your Home screen, tap , then find and tap **Connected devices**.
- 2 Press , then tap **Media server**.
- 3 Select a device from the **Registered devices** list, then select **Change server name**.
- 4 Enter a new name for the device.

### To change the access level of a registered device




- 1 From your Home screen, tap , then find and tap **Connected devices**.
- 2 Press , then tap **Media server**.
- 3 Select a device from the **Registered devices** list.
- 4 Tap **Change access level** and select an option.



### To get help about sharing content with other DLNA Certified™ devices

- 1 From your Home screen, tap , then find and tap **Connected devices**.
- 2 Tap .




## Playing phone content on other DLNA Certified™ devices

### To view photos or videos from your phone on another device

- 1 Make sure that you have correctly set up file sharing with other DLNA Certified™ devices and that all relevant devices are connected to the same Wi-Fi® network.
- 2 From your Home screen, tap .
- 3 Find and tap **Album**.
- 4 Touch and hold any photo or video until a toolbar appears.
- 5 Tap the item or items that you want to view, then tap  > .
- 6 Select a device. The selected files start playing in chronological order on the device that you select.

-  You can also share a video from the Movies application on your phone by tapping the video and then tapping .

### To play a music track from your phone on another device

- 1 Make sure that you have correctly set up file sharing with other DLNA Certified™ devices and that all relevant devices are connected to the same Wi-Fi® network.
- 2 From your Home screen, tap , then find and tap .
- 3 Tap **MY MUSIC** to open the music library.
- 4 Select a music category and browse to the track that you want to share, then tap the track.
- 5 Press , then tap **Play on device**.
- 6 Select a device. The track plays automatically on the device that you select.

# Bluetooth™ wireless technology



Use the Bluetooth™ function to send files to other Bluetooth™ compatible devices, or to connect to handsfree accessories. Turn on the Bluetooth™ function in your phone and create wireless connections to other Bluetooth™ compatible devices such as computers, handsfree accessories, and phones. Bluetooth™ connections work better within a 10 meter (33 foot) range, with no solid objects in between. In some cases you have to manually pair your phone with other Bluetooth™ devices. Remember to set your phone to "discoverable" if you want other Bluetooth™ devices to detect it.

! Interoperability and compatibility among Bluetooth™ devices can vary.

## To turn on the Bluetooth™ function and make your phone visible

- 1 From your Home screen, tap .
- 2 Find and tap **Settings**.
- 3 Tap the on-off switch beside **Bluetooth** to turn on the Bluetooth™ function.
- 4 Tap **Bluetooth**. Your phone and a list of available Bluetooth™ devices appear.
- 5 Tap your phone name to make your phone visible to other Bluetooth™ devices.



## To adjust your phone's visibility time to other Bluetooth™ devices

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Bluetooth**.
- 3 Press  and select **Visibility timeout**.
- 4 Select an option.

## Naming your phone

You can give your phone a name. This name is shown to other devices after you have turned on the Bluetooth™ function and your phone is set to visible.

### To give your phone a name

- 1 Make sure that the Bluetooth™ function is turned on.
- 2 From your Home screen, tap .
- 3 Find and tap **Settings** > **Bluetooth**.
- 4 Press  and select **Rename phone**.
- 5 Enter a name for your phone.
- 6 Tap **Rename**.

## Pairing with another Bluetooth™ device

When you pair your phone with another device, you can, for example, connect your phone to a Bluetooth™ handsfree or a Bluetooth™ car kit and use these devices to make and receive calls.


Once you have paired your phone with a Bluetooth™ device the phone will remember this pairing. When pairing the phone with a Bluetooth™ device, you may need to enter a passcode. Your phone will automatically try the generic passcode 0000. If this does not work, refer to your Bluetooth™ device documentation for the device passcode. You do not need to re-enter the passcode the next time you connect to a paired Bluetooth™ device.

Some Bluetooth™ devices, for example, most Bluetooth™ headsets, require you to both pair and connect with the other device.

You can pair your phone with several Bluetooth™ devices, but you can only connect to one Bluetooth™ profile at the same time.





### To pair your phone with another Bluetooth™ device

- 1 Make sure that the device you want to pair your phone with has the Bluetooth™ function activated and is visible to other Bluetooth™ devices.
- 2 From the Home screen, tap .
- 3 Find and tap **Settings** > **Bluetooth**. All available Bluetooth™ devices appear in a list.
- 4 Tap the Bluetooth™ device you want to pair with your phone.
- 5 Enter a passcode, if required. The phone and the Bluetooth™ device are now paired.

### To connect your phone to another Bluetooth™ device

- 1 If you are connecting to a Bluetooth device that requires you to first pair your phone before connecting, follow the relevant steps to pair your phone with that device.
- 2 From your Home screen, tap .
- 3 Find and tap **Settings** > **Bluetooth**.
- 4 Tap the Bluetooth™ device you want to connect your phone to.

### To unpair a Bluetooth™ device


- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Bluetooth**.
- 3 Under **Paired devices**, tap  beside the name of the device you want to unpair.
- 4 Tap **Unpair**.

## Sending and receiving items using Bluetooth™ technology


Share items with other Bluetooth™ compatible devices such as phones or computers. You can send and receive several kinds of items using the Bluetooth™ function, such as:

- Photos and videos
- Music and other audio files
- Contacts
- Web pages



### To send items using Bluetooth™

- 1 **Receiving device:** Make sure the Bluetooth™ device you want to send the item to has Bluetooth™ turned on and is visible to other Bluetooth™ devices.
- 2 In the sending device, open the application which contains the item you want to send and scroll to the item.
- 3 Depending on the application and the item you want to send, you may need to, for example, touch and hold the item, open the item or press . Other ways to send an item may exist.
- 4 Select a share or send menu item.
- 5 In the menu that appears, select **Bluetooth**.
- 6 Turn on Bluetooth™, if you are asked to do so.
- 7 Tap the name of the receiving device.
- 8 **Receiving device:** If asked, accept the connection.
- 9 If asked, enter the same passcode on both devices, or confirm the suggested passcode.
- 10 **Receiving device:** Accept the incoming item.

### To receive items using Bluetooth™

- 1 Make sure there is a memory card in your phone. If you don't have a memory card inserted, you cannot send or receive items using Bluetooth wireless technology.
- 2 From your Home screen, tap .
- 3 Make sure the Bluetooth™ function is on and is visible to other Bluetooth™ devices.
- 4 The sending device now starts sending data to your phone.
- 5 If prompted, enter the same passcode on both devices, or confirm the suggested passcode.
- 6 When you are notified of an incoming file to your phone, drag the status bar downward and tap the notification to accept the file transfer.
- 7 Tap **Accept** to start the file transfer.
- 8 To view the progress of the transfer, drag the status bar downward.
- 9 To open a received item, drag the status bar downward and tap the relevant notification.

### To view files you have received using Bluetooth™

- 1 From your Home screen, tap .
- 2 Find and tap **Settings > Bluetooth**.
- 3 Press  and select **Show received files**.

# Connecting your phone to a computer

Connect your phone to a computer and start transferring pictures, music and other file types. The easiest ways to connect are using a USB cable or Bluetooth wireless technology.

When you connect your phone to the computer using a USB cable, you are prompted to install the PC Companion application on your computer. PC Companion helps you access additional computer applications to transfer and organize media files, update your phone, synchronize phone content, and more.

- ! You might not be able to transfer some copyright-protected material between your phone and computer.

## Transferring and handling content using a USB cable

Use a USB cable connection between a computer and your phone for easy transfer and management of your files. Once the two devices are connected, you can drag and drop content between your phone and the computer, or between your phone's internal storage and SD card, using the computer's file explorer.

If you're transferring music, video, pictures, or other media files to your phone, it's best to use the Media Go™ application on your computer. Media Go™ converts media files so you can use them on your phone.

### To transfer content between a phone and computer using a USB cable To transfer content between a computer and phone internal storage

- 1 Using a USB cable, connect your phone to a computer. **Int. storage & SD card connected** appears in the status bar.
- 2 **Computer:** Open Microsoft® Windows® Explorer from the desktop and wait until your phone's internal storage and SD card appear as external disks in Microsoft® Windows® Explorer.
- 3 **Computer:** Drag and drop the desired files between your phone and the computer.

### To transfer content between internal storage and an SD card via USB

- 1 Using a USB cable, connect your phone to a computer. **Int. storage & SD card connected** appears in the status bar on your phone screen.
- 2 **Computer:** Open Microsoft® Windows® Explorer from the desktop and wait until your phone's internal storage and your SD card appear as external disks in Microsoft® Windows® Explorer.
- 3 **Computer:** Drag and drop the desired files between the phone's internal storage and the SD card.

## Transferring files using Media transfer mode via Wi-Fi®

You can transfer files between your phone and other MTP compatible devices, such as a computer, using a Wi-Fi® connection. Before connecting, you first need to pair the two devices. If you're transferring music, video, pictures, or other media files between your phone and a computer, it's best to use the Media Go™ application on the computer. Media Go™ converts media files so you can use them on your phone.


- 💡 In order to use this feature, you need a Wi-Fi® enabled device that supports Media transfer, for example, a computer running Microsoft® Windows Vista® or Windows® 7.

### To pair your phone wirelessly with a computer using Media transfer mode

- 1 Make sure Media transfer mode is enabled on your phone. It is normally enabled by default.
- 2 Connect your phone to the computer using a USB cable.
- 3 **Computer:** Once the phone name appears on the screen, click *Network configuration* and follow the instructions to pair the computer.
- 4 When you are finished pairing, disconnect the USB cable from both devices.


! The above instructions only work if Windows® 7 is installed on your computer and the computer is connected to a Wi-Fi® Access Point via a network cable.

### To connect paired devices wirelessly in Media transfer mode


- 1 Make sure Media transfer mode is enabled on your phone. It is normally enabled by default.
- 2 From your Home screen, tap .
- 3 Find and tap **Settings > Xperia™ > Connectivity**.
- 4 Tap the paired device that you want to connect to under **Trusted devices**.
- 5 Tap **Connect**.

! Make sure your phone's Wi-Fi® function is turned on.

### To disconnect a wirelessly paired device in Media transfer mode

- 1 From your Home screen, tap .
- 2 Find and tap **Settings > Xperia™ > Connectivity**.
- 3 Tap the paired device that you want to disconnect from under **Trusted devices**.
- 4 Tap **Disconnect**.

### To remove a pairing with another device

- 1 From your Home screen, tap .
- 2 Find and tap **Settings > Xperia™ > Connectivity**.
- 3 Tap the paired device that you want to remove.
- 4 Tap **Forget**.

## Media Go™

The Media Go™ computer application helps you transfer and manage media content in your phone and computer.

You need one of these operating systems to use the Media Go™ application:

- Microsoft® Windows® 7
- Microsoft® Windows Vista®
- Microsoft® Windows® XP, Service Pack 3, or higher

### To transfer content using the Media Go™ application


- 1 Using a USB cable, connect your phone to a computer. **Int. storage & SD card connected** appears in the status bar on your phone.
- 2 **Computer:** Open the PC Companion application. In PC Companion, click *Media Go* to start the Media Go™ application. In some cases, you may have to wait for Media Go™ to install.
- 3 Using Media Go™, drag and drop the desired files between your computer and phone.

💡 Media Go™ can also be downloaded from [www.sonymobile.com](http://www.sonymobile.com).


# Connecting your phone to a TV set

Connect your phone to a TV set and start viewing content saved in your phone on a larger screen. When you connect your phone to the TV set, the TV launcher application opens. This application helps you to play media files from your phone on TVs and other devices.


## To view phone content on a TV which supports MHL™ input

- 1 Connect your phone to the TV using an MHL cable.  appears in your phone's status bar after a connection is established.
- 2 The **TV launcher** application starts automatically. Follow the instructions on your phone screen to view your media files on the TV.

## To view phone content on a TV which supports HDMI™ input

- 1 Connect your phone to an MHL-HDMI adapter, and connect the adapter to a USB power supply.
- 2 Connect the adapter to a TV using a HDMI™ cable.  appears in your phone's status bar after a connection is established.
- 3 The **TV launcher** application starts automatically. Follow the instructions on your phone screen to view your media files on the TV.

## To view help about using the TV remote control

- 1 While your phone is connected to the TV set, drag the status bar downward to open the Notification panel.
  - 2 Tap **MHL connected**.
-  You can also press the yellow button on the TV remote control to open the Notification panel.

## To disconnect your phone from the TV set


- Disconnect the MHL™ cable or the MHL-HDMI adapter from your phone.

# Using location services to find your position

Use your phone to find out where you are. There are two methods: GPS and wireless networks. Enable the wireless networks option if you only need your approximate location, and want it fast. If you want a more exact position, and have a clear view of the sky, enable the GPS option. In situations where the wireless network connection is weak, you should enable both options to ensure that your location is found.

- ! Sony does not warrant the accuracy of any location services including but not limited to navigational services.

## To enable GPS

- 1 From your Home screen, tap .
- 2 Tap **Settings** > **Location services**.
- 3 Mark the **GPS satellites** checkbox.

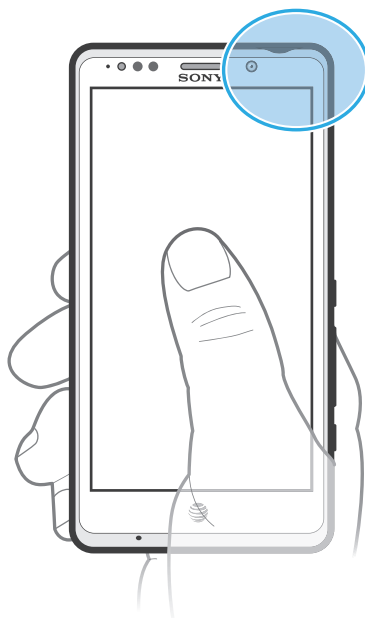
## Using GPS

Your phone has a global positioning system (GPS) receiver that uses satellite signals to calculate your location.

- ! When you use features that require the GPS receiver to find your location, make sure you have a clear view of the sky.

## Getting the best performance

The first time you use the GPS it can take 5 to 10 minutes for your location to be found. To help the search, make sure you have a clear view of the sky. Stand still and don't cover the GPS antenna (the highlighted area in the image). The GPS signals can pass through clouds and plastic, but not through most solid objects such as buildings and mountains. If your location isn't found after a few minutes, move to another location.




## Google Maps™

Track your current location, view real-time traffic situations and receive detailed directions to your destination. Before taking trips, you can download and save maps to your memory card to avoid high roaming costs.

- ! The Google Maps™ application requires an Internet connection. You may incur data connection charges when you connect to the Internet from your phone. Contact your service provider for more information. The Google Maps™ application may not be available in every market, country or region.

### To use Google Maps™

- 1 From your Home screen, tap .
  - 2 Find and tap **Maps**.
- ! If you want to use Google Maps™, you have to enable one of the location methods available under **Settings > Location services**.

### To learn more about Google Maps™

- When you use Google Maps™, press , then tap **Help**.

## Viewing your friends' locations with Google Latitude™

Join Google Latitude™ to view your friends' locations on maps and share your location and other information with them.

## Using Google Maps™ to get directions

Use the Google Maps™ application to get directions when you travel by foot, public transportation, or car. You can add a shortcut to a destination on your Home screen to get quick directions from wherever you are.

When you view a map, you make an Internet connection, and data is transferred to your phone. So it's a good idea to download and save maps to your phone before you take a trip. This way, you can avoid high roaming costs.

- ! Sony does not warrant the accuracy of any directional services.

## Using the Navigation application

Use the Navigation application in your phone to get turn-by-turn instructions on how to get places. The directions are both spoken and displayed on the screen.

- ! The Navigation application may not be available in every market.

### To start Navigation

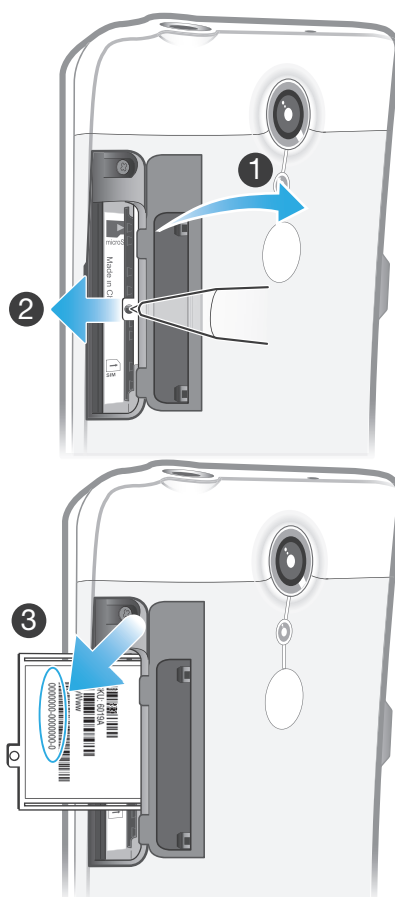
- 1 From your Home screen, tap .
- 2 Find and tap **Navigation**.

# Locking and protecting your phone

## IMEI number

Every phone has a unique IMEI (International Mobile Equipment Identity) number. You should keep a copy of this number. If your phone is stolen, your network provider can use your IMEI number to stop the phone from accessing the network in your country.

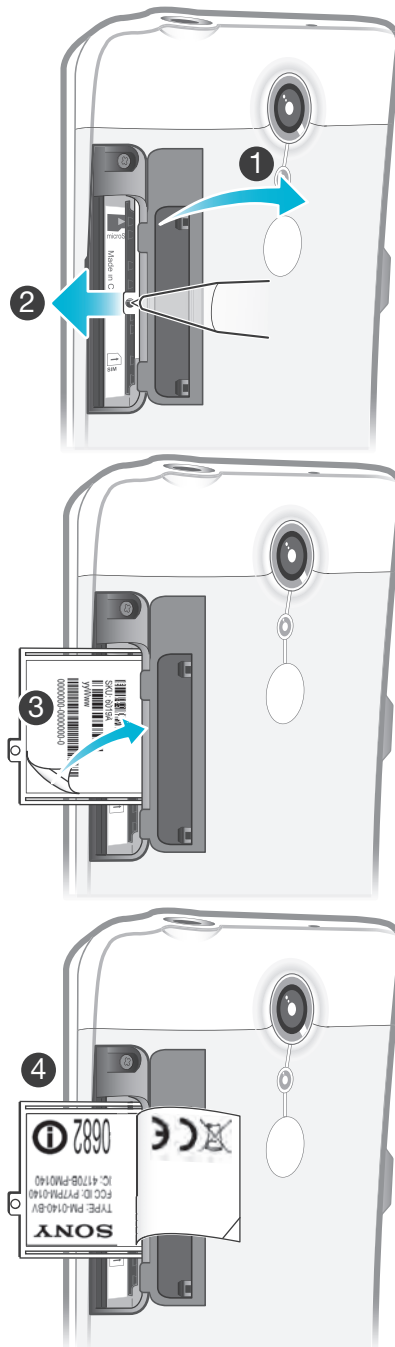
To view your IMEI number



- 1 Open the memory card and the micro SIM card cover.
- 2 Insert the tip of a pen or a similar object into the hole, then drag out the tray. The IMEI number is displayed on the tray.




### To view the CE mark



- 1 Open the memory card and the micro SIM card cover.
- 2 Insert the tip of a pen or a similar object into the hole, then drag out the tray.
- 3 Open the peel & read label to view the CE mark.

### To view your IMEI number in the phone


- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **About phone** > **Status**.
- 3 Scroll to **IMEI** to view the **IMEI** number.

## SIM card protection


The SIM card lock only protects your subscription. Your phone will still work with a new SIM card. If the SIM card lock is on, you have to enter a PIN (Personal Identity Number). If you enter your PIN incorrectly more times than the maximum number of attempts allowed, your SIM card will become blocked. You need to enter your PUK (Personal

Unlocking Key) and then a new PIN. Your PIN, PIN2, and PUK are supplied by your network operator.


#### To enable the SIM card PIN lock

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Security** > **Set up SIM card lock** > **Lock SIM card**.
- 3 Enter the SIM card PIN and tap **OK**.

#### To change the SIM card PIN


- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Security** > **Set up SIM card lock** > **Change SIM PIN**.
- 3 Enter the old SIM card PIN and tap **OK**.
- 4 Enter the new SIM card PIN and tap **OK**.
- 5 Retype the new SIM card PIN and tap **OK**.

#### To change the SIM card PIN2

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Call settings** > **Fixed dialing numbers** > **Change PIN2**.
- 3 Enter the old SIM card PIN2 and tap **OK**.
- 4 Enter the new SIM card PIN2 and tap **OK**.
- 5 Confirm the new PIN2 and tap **OK**.

#### To unblock a locked SIM card

- 1 When **Enter PUK and new PIN code** appears, enter the PUK code.
- 2 Enter a new PIN code and tap **OK**.


 If you enter an incorrect PUK code too many times, the SIM card becomes blocked. If this happens, contact AT&T to get a new SIM card.

## Setting a screen lock


There are several ways to lock your phone screen. For example, you can use the Face Unlock feature, which uses a picture of your face to unlock the screen. You can also set a screen unlock pattern, a number-based PIN lock, or a text-based password.


#### To set a screen lock

- 1 From your Home screen, tap  > **Settings** > **Security** > **Screen lock**.
- 2 Select an option.

 It is very important that you remember your screen unlock pattern, PIN or password. If you forget this information, it may not be possible to restore important data such as contacts and messages. Refer to Sony Customer support for more information.

#### To set up the Face Unlock protection

- 1 From your Home screen, tap  > **Settings** > **Security** > **Screen lock**.
- 2 Tap **Face Unlock**, then follow the instructions in your phone to capture your face.
- 3 After your face is successfully captured, set up screen lock **Pattern** or **PIN** as a backup method to unlock the screen. For more information, refer to 'To create a screen unlock pattern' or 'To create a screen unlock PIN'.

 The Face Unlock feature is less secure than a screen lock pattern, PIN, or password. Someone who looks similar to you could unlock your phone.

 For best results, capture your face in an indoor area that is well lit but not too bright and hold the phone at eye level.


### To unlock the screen using the Face Unlock feature

- 1 Activate the screen.
  - 2 Look at your phone from the same angle you used to capture your Face Unlock photo.
- 💡 If Face Unlock fails to recognize your face, you need to draw the backup pattern or PIN to unlock the screen.

### To disable the Face Unlock protection

- 1 From your Home screen, tap  > **Settings** > **Security** > **Screen lock**.
- 2 Draw your backup screen unlock pattern or enter your PIN.
- 3 Tap **Slide**.


### To create a screen unlock pattern

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Security** > **Screen lock** > **Pattern**.
- 3 Follow the instructions in your phone. You are asked to select a security question that will be used to unlock the phone if you forget your screen unlock pattern.


### To unlock the screen using a screen unlock pattern

- 1 Activate the screen.
  - 2 Draw your screen unlock pattern.
- ! If the unlock pattern you draw on the screen is rejected five times in a row, you can select to either wait 30 seconds and then try again, or to answer the security question you have selected.




### To change the screen unlock pattern

- 1 From your Home screen, tap .
- 2 Find and tap **Settings** > **Security** > **Screen lock**.
- 3 Draw your screen unlock pattern.
- 4 Tap **Pattern**.
- 5 Follow the instructions in your phone.


### To disable the screen unlock pattern

- 1 From your Home screen, tap  > **Settings** > **Security** > **Screen lock**.
- 2 Draw the screen unlock pattern.
- 3 Tap **None** or **Slide**.




### To create a screen unlock PIN

- 1 From your Home screen, tap  > **Settings** > **Security** > **Screen lock** > **PIN**.
- 2 Enter a numeric PIN.
- 3 If necessary, tap  to minimize the keyboard.
- 4 Tap **Continue**.
- 5 Re-enter and confirm your PIN.
- 6 If necessary, tap  to minimize the keyboard.
- 7 Tap **OK**.

### To disable the screen unlock PIN

- 1 From your Home screen, tap  > **Settings** > **Security** > **Screen lock**.
- 2 Enter your PIN, then tap **Next**.
- 3 Tap **None** or **Slide**.

#### To create a screen lock password

- 1 From your Home screen, tap  > **Settings** > **Security** > **Screen lock** > **Password**.
- 2 Enter a password.
- 3 If necessary, tap  to minimize the keyboard.
- 4 Tap **Continue**.
- 5 Re-enter and confirm your password.
- 6 If necessary, tap  to minimize the keyboard.
- 7 Tap **OK**.

#### To disable the screen unlock password

- 1 From your Home screen, tap  > **Settings** > **Security** > **Screen lock**.
- 2 Enter your password and tap **Next**.
- 3 Tap **None** or **Slide**.

# Updating your phone

Update your phone to the most recent software version to get optimal performance and the latest enhancements.


You can use the Update center application on your phone to run a wireless update, or you can use the PC Companion application on a computer to run an update using a USB cable connection. If you update wirelessly, then you can use either a mobile network or a Wi-Fi® network connection. Just make sure you back up and save all data stored on your phone before you update.

- ! When you run an update using the Update center application, a data connection is established and related charges may be incurred. Also, the availability of updates over a mobile network depends on your operator. Contact your network operator for more information.

## Updating your phone wirelessly



Use the Update center application to update your phone wirelessly. You can download software updates manually, or you can allow Update service to update your phone automatically whenever downloads become available. When the automatic update feature is activated, a notification appears in the status bar every time an update becomes available.

### To download software updates manually from Update center

- 1 From your Home screen, tap .
- 2 Find and tap **Update Center**.
- 3 Select the desired application or system update and tap **Download**, or tap **Update all** to download all application updates.


- ! Application updates launch automatically after download. With system updates, wait for your phone to restart, then install the update manually. Also, you may incur data connection charges when downloading updates over 3G/mobile networks.

### To activate automatic software updates using the Update Center application

- 1 From your Home screen, tap .
- 2 Find and tap **Update Center**.
- 3 Press , then tap **Settings**.
- 4 Mark the **Allow automatic update**: checkbox, then tap **OK**. Updates are now downloaded automatically as soon as they become available.

- ! You may incur data connection charges when downloading updates over 3G/mobile networks.

### To install system updates

- 1 From your Home screen, tap .
- 2 Find and tap **Update Center**.
- 3 Select a system update you want to install, then tap **Install**.

### To update your phone using an Apple® Mac® computer

- 1 Install the Bridge for Mac application on the Apple® Mac® computer you are using, if it is not already installed.
- 2 Using a USB cable, connect your phone to the Apple® Mac® computer.
- 3 **Computer:** Launch the Bridge for Mac application. After a few moments, Bridge for Mac detects your phone and searches for new phone software.
- 4 **Computer:** If a new phone software update is detected, a popup window appears. Follow the on-screen instructions to carry out the relevant software updates.

- ! The Bridge for Mac application is downloadable from [www.sonymobile.com](http://www.sonymobile.com).

# Phone settings overview

Get to know the settings in your phone so that you can personalize them to your own requirements.









<b>Wi-Fi</b>	Turn Wi-Fi® on or off, scan available Wi-Fi® networks, or add the Wi-Fi® network.
<b>Bluetooth</b>	Turn Bluetooth™ on or off, search for available Bluetooth™ devices, and make your phone visible or invisible to other Bluetooth™ devices.
<b>Data usage</b>	Turn the mobile data traffic on or off, and keep track of your data usage details over a specified period of time.
<b>More...</b>	Turn Airplane mode on or off, configure settings for VPN and mobile networks, and enable your phone to share its mobile data connection as a portable Wi-Fi® hotspot, or through USB tethering or Bluetooth™ tethering.
<b>Call settings</b>	Manage and configure settings for fixed dialing numbers, voicemail and Internet calls.
<b>Sound</b>	Configure how your phone rings, vibrates, or alerts you when you receive communications. You can also use these settings to set the volume level for music, video, games or other media with audio, and to make related adjustments.
<b>Display</b>	Enable your phone screen to switch orientation when you rotate your phone. You can also set the brightness, font size, wallpaper and screen timeout.
<b>Storage</b>	Check out the available space on your phone's internal storage and on the SD card. You can also erase the SD card, or unmount it for safe removal.
<b>Battery</b>	View your phone battery and see how different applications consume battery power.
<b>Apps</b>	Manage running applications, downloaded applications and applications on the SD card.
<b>Xperia™</b>	Configure the USB connection mode, network connection type and Internet settings. You can also enable Facebook features inside applications.
<b>Accounts &amp; sync</b>	Enable your phone to synchronize data with the synchronization accounts that you add.
<b>Location services</b>	Enable or disable Google's location service, GPS satellites, and Location & Google search.
<b>Security</b>	Protect your phone by setting up different locks and passwords. You can also allow the installation of applications not from Google Play™.
<b>Language &amp; input</b>	Select the phone language, adjust text input options, add words to the personal dictionary, and configure speech settings.
<b>Backup &amp; reset</b>	Back up your data and reset your phone. You can use the factory data reset function to erase all data on your phone, or use the settings reset function to reset your phone to its original settings without erasing user data.
<b>Date &amp; time</b>	Set the time and date, or choose the network-provided values. Select your preferred date and hour format.

<b>Accessibility</b>	Enable your installed accessibility services and adjust related settings.
<b>Developer options</b>	Set options for application development. For example, you can show CPU usage on the phone display. You can also set the phone to enter debug mode when USB connections are active.
<b>About phone</b>	View information about your phone, such as the model number, firmware version, phone number and signal. You can also update your software to the latest version.

# Status and notification icons overview


## Status icons

The following status icons may appear on your screen:


	Signal strength
	No signal
	Roaming
	EDGE is available
	4G is available
	4G LTE is available
	Battery status
	The battery is charging
	GPS is activated
	Flight mode is activated
	The Bluetooth™ function is activated
	Connected to another Bluetooth™ device
	The SIM card is not inserted
	The microphone is muted
	The speakerphone is on
	Silent mode
	Vibrate mode
	An alarm is set
	Synchronization is ongoing
	Problem with sign-in or synchronization
	A Wi-Fi® connection is enabled and wireless networks are available
	USB tethering is activated
	A portable Wi-Fi hotspot is activated
	NFC is activated
	TTY is on
	Wi-Fi Direct is on

## Notification icons






















The following notification icons may appear on your screen:

	New e-mail message
	New text message or multimedia message



	New voicemail
	An upcoming calendar event
	Song is playing
	The phone is connected to a computer via a USB cable
	Warning message
	Error message
	Missed call
	Call ongoing
	Call on hold
	Call forwarding on
	Software updates available
	Downloading data
	Uploading data
	Data traffic is disabled
	More (undisplayed) notifications

# Application overview

	<b>Browser</b>	Browse the web
	<b>Calculator</b>	Perform basic calculations
	<b>Camera</b>	Take photos and record video clips
	<b>Contacts</b>	Keep track of your friends and colleagues
	<b>Downloads</b>	Access your downloaded applications
	<b>Email</b>	Send and receive emails
	<b>Facebook™</b>	Connect with your friends, family members, and colleagues around the world
	<b>FM radio</b>	Listen to the radio on your phone
	<b>Gmail™</b>	An email application that supports Gmail™
	<b>Google Search</b>	Find information on your phone and on the web
	<b>Latitude</b>	View your friends' locations on Google™ maps and share your location and other information with them
	<b>Maps</b>	View your current location, find other locations, and calculate routes
	<b>Play Store</b>	Go to Android Market™ to download free and paid applications for your phone
	<b>Connected devices</b>	Share media files on your phone with other devices over a shared Wi-Fi® connection
	<b>Messaging</b>	Send and receive text and multimedia messages
	<b>Music player</b>	Play music and playlists
	<b>Navigation</b>	Navigate using spoken, turn-by-turn driving instructions
	<b>Phone</b>	Make and receive calls, switch between calls, set up conference calling, and view your call history
	<b>Places</b>	Search for places, for example, restaurants and cafés
	<b>Settings</b>	Tailor phone settings to your own liking
	<b>Talk</b>	Chat online
	<b>Timescape™</b>	Keep track of all daily communication

! Some applications are not supported by all networks and/or service providers in all areas.

💡 Your phone is pre-loaded with certain AT&T specific applications.

# Troubleshooting

## My phone is not working as expected

If you experience problems with your phone, check these tips before you try anything else:

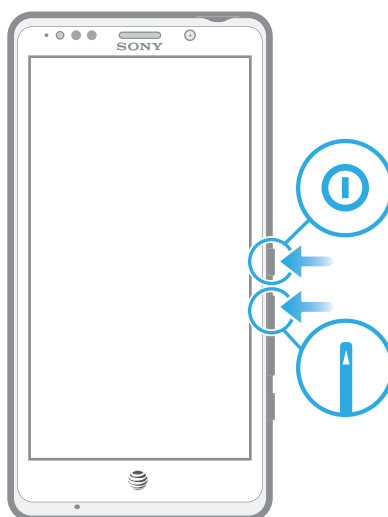
- Restart your phone.
- Remove and re-insert the SIM card. Then restart your phone.
- Force a restart of the phone if the phone hangs and can't be restarted normally.
- Update your phone. Updating your phone ensures optimal performance and provides the latest enhancements. See *Updating your phone* on page 125 for more information.
- Reset your phone.

**⚠** Be patient while resetting your phone. Restarting the phone during a reset procedure may damage the phone permanently.

### To force the phone to shut down

- 1 Press and hold down both the volume up key and the power key ⓘ for 10 seconds.
- 2 After your phone vibrates three times, release the keys. The phone turns off automatically.

### To force the phone to restart




- 1 Press and hold down both the volume up key and the power key ⓘ for five seconds.
- 2 After your phone vibrates once, release the keys. The phone restarts automatically.

## Resetting the phone


You can reset your phone to its original settings. When you perform a factory data reset, you reset the phone to the state it was in before you turned it on for the first time, and all personal data is erased. You can also reset the phone to the original settings, without erasing your personal data. Before you perform a reset, be sure to back up any important data saved on your phone.


### To reset the phone without erasing personal data

**⚠** To avoid permanent phone damage, do not restart the phone while a reset procedure is underway.

- 1 From your Home screen, tap .
- 2 Find and tap **Settings > Backup & reset**.
- 3 Tap **Settings reset > Reset phone**.
- 4 To confirm, tap **Reset settings**.

#### To perform a factory data reset

 To avoid permanent phone damage, do not restart the phone while a reset procedure is underway.

- 1 From your Home screen, tap .
- 2 Find and tap **Settings > Backup & reset**.
- 3 Tap **Factory data reset > Reset phone**.
- 4 To confirm, tap **Erase everything**.

## No battery charging icon appears when phone starts charging

It may take a few minutes before the battery icon appears on the screen.

## The battery performance is low

Follow our smart tips on how to get more out of your battery. See *Improving battery performance* on page 14.

## My wired headset does not work

- Make sure the wired headset that you are using complies to the CTIA standard. Your phone supports the CTIA standard, and may not be fully compatible with other standards, such as OMTP.
- If you have a wireless headset that is compatible with your phone, try using that instead.

## I cannot transfer content between my phone and the computer, when using a USB cable

The software or the USB drivers have not been properly installed. Go to [www.att.com/tutorials](http://www.att.com/tutorials) for more detailed installation instructions and troubleshooting information.

## Error messages

### No network coverage

- Your phone is in Airplane mode. Make sure Airplane mode is turned off.
- Your phone is not receiving any network signal, or the received signal is too weak. Contact AT&T and make sure that the network has coverage where you are.
- The SIM card is not working properly. Insert your SIM card in another phone. If this works, it is probably your phone that is causing the problem. In this case, contact the nearest Sony service center.

### Emergency calls only

You are within range of a network, but you are not allowed to use it. However, in an emergency, some network operators allow you to call the international emergency number 112. See *Emergency calls* on page 35 for more information.

### SIM card locked

You have entered your PIN incorrectly 3 times in a row. To unlock the phone, you need the PUK provided by your operator.

**SIM card is PUK locked**

You have entered your PUK (Personal Unblocking Key) incorrectly 10 times in a row.  
Please contact AT&T.

# Hearing Aid Compatibility

Your phone is designed for Hearing Aid Compatibility (HAC) and can be used with hearing aids.

## Hearing Aid Settings

You can choose the setting in the phone to match the setting in your hearing aid before making or receiving calls.

### To select a phone setting for HAC

- 1 From the Home screen, tap .
- 2 Find and tap **Settings** > **Call settings**.
- 3 Mark the **Hearing aids** checkbox to turn on hearing aid compatibility.

## Hearing Aid Compatibility Information

This phone has been tested and rated for use with hearing aids for some of the wireless technologies it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

## Hearing Aid Compatibility Rating

This model handset was designed to comply with the requirements set forth in Section 20.19 of the Federal Communication Commission's (FCC) rules governing hearing aid compatibility (HAC), for the reduction of RF interference and magnetic coupling (T-coil) to hearing aids. The Microphone (M) rating and T-coil (T) rating is defined and labeled on the handset box. Devices meeting HAC compliance must have a minimum M3 and/or T3 rating or above as defined by the FCC in accordance with the latest ANSI Standard C63.19. The (M) rating refers to lower RF emission levels of the handset. The (T) rating refers to the magnetic coupling between the handset and the T-coil compatible hearing aid. Some hearing aids are also provided an (M) rating, and are more immune than others to interference. To determine the (M) rating of your hearing aid, please contact your hearing health professional. More information about digital wireless devices and hearing aid compatibility can be found at [www.sonyericsson-snc.com](http://www.sonyericsson-snc.com).

## Recycling your phone

Got an old phone lying around the house? Why not recycle it? By doing so, you will help us reuse its materials and components, and you'll protect the environment, too! Find out more about the recycling options in your region at [www.sonymobile.com](http://www.sonymobile.com).

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## Sony LT30at

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