

SONY®

User guide

Xperia Touch
G1109

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Getting started

About this User guide

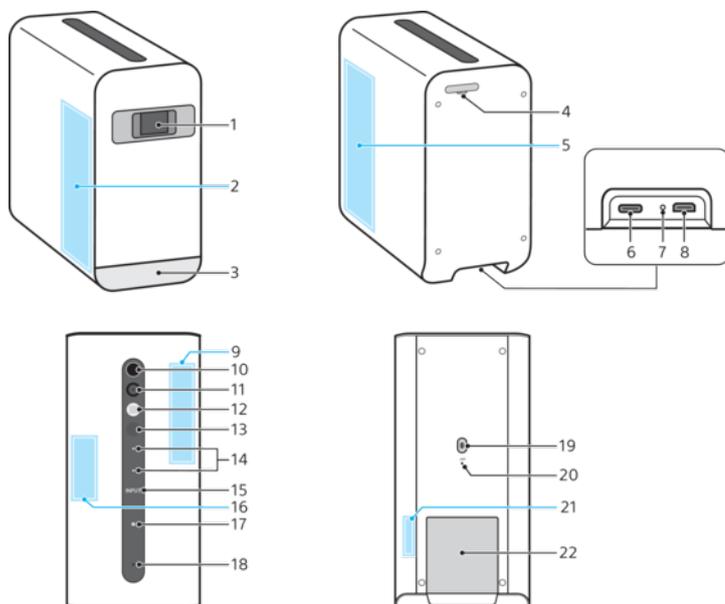
This is the Xperia Touch User guide for the Android™ 8.0 software version. If you're not sure which software version your device is running, you can check it in the Settings menu.

- ! System and application updates can present the features in your device in another way than described in this User guide. The Android version might not be affected in an update. For more information about software updates, see *Updating your device* on page 30.

To check the current software version and model number of your device

- 1 Find and tap **Settings** > **System** > **About device** .
- 2 The current software version is displayed under Build number. The current model number is displayed under Model.

Overview

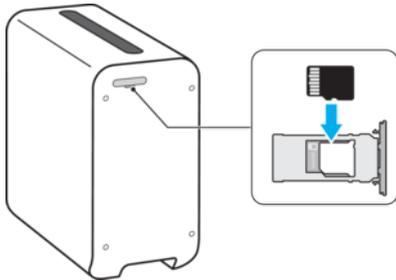


- | | |
|---------------------------------------|-----------------------------------|
| 1. Projection window (Laser aperture) | 12. Presence sensor |
| 2. Left speaker | 13. Ambient light sensor |
| 3. Infrared light for touch sensing | 14. Volume keys |
| 4. Memory card tray | 15. INPUT key |
| 5. Right speaker | 16. Wi-Fi/Bluetooth® antenna area |
| 6. Charger/USB Type-C™ cable port | 17. NFC detection area |
| 7. LED indicator | 18. Microphone |
| 8. HDMI Type D port | 19. Laser Auto Focus sensor |
| 9. GPS antenna area | 20. Forced POWER-OFF button |
| 10. Power key | 21. Temperature/humidity sensor |
| 11. Camera | 22. Slot cover |

! Do not cover the Infrared light for touch sensing or the Laser Auto Focus sensor.

Assembly

To insert the memory card

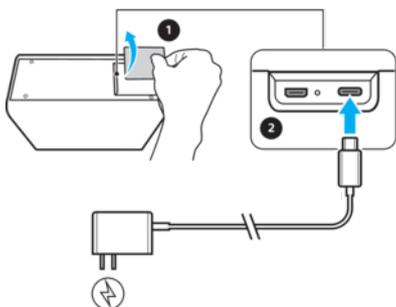


- 1 Drag out the memory card tray using your fingernail.
- 2 Firmly place the memory card in the correct orientation as shown in the illustration.
- 3 Gently push the tray back into the slot until it fits into place.

Starting your device for the first time

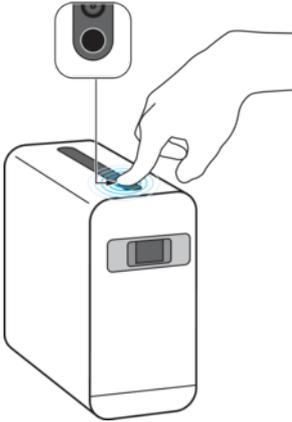
Always use the provided USB Type-C charger when using your device, as other USB chargers may cause damage or fail to function correctly. See *Using your device* on page 30.

To connect the charger



- 1 Remove the slot cover.
- 2 Connect the charger to the charging port as shown in the illustration.
- 3 Gently reattach the slot cover.
- 4 Plug the charger into the power outlet. The charging indicator next to the power cable slot lights up briefly.

To turn on the device



- 1 Place the device on a clean, flat, horizontal surface. Make sure there are no obstructions in front of the device or within the projection area.
 - 2 Remove the protection film from the projection window.
 - 3 Press and hold the power key until the volume buttons light up. The projection starts approximately 30 seconds after the device is turned on.
- 💡 The first time you start your device, a setup guide helps you to configure basic settings, personalise your device and sign in to your accounts, for example a Google™ account.

To turn off the device

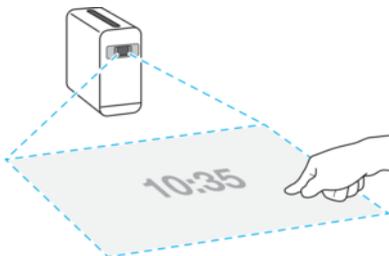
- 1 Press and hold down the power key until the Options menu opens.
 - 2 In the Options menu, tap **Power off**.
- ! It may take a while for the device to shut down.

Projection modes

You can either project the screen onto a table or onto a wall. Projecting onto a table lets you take full advantage of the touchscreen functions, while projecting onto a wall is ideal for viewing multimedia content, for example, watching films. You can also change the orientation of the projection mode in case of vertically displayed apps.

- ! When the temperature of the projector exceeds the normal operating range, a warning message is displayed in the top right corner of the Home screen. The projector will turn off automatically when it gets too hot.

To navigate the touchscreen

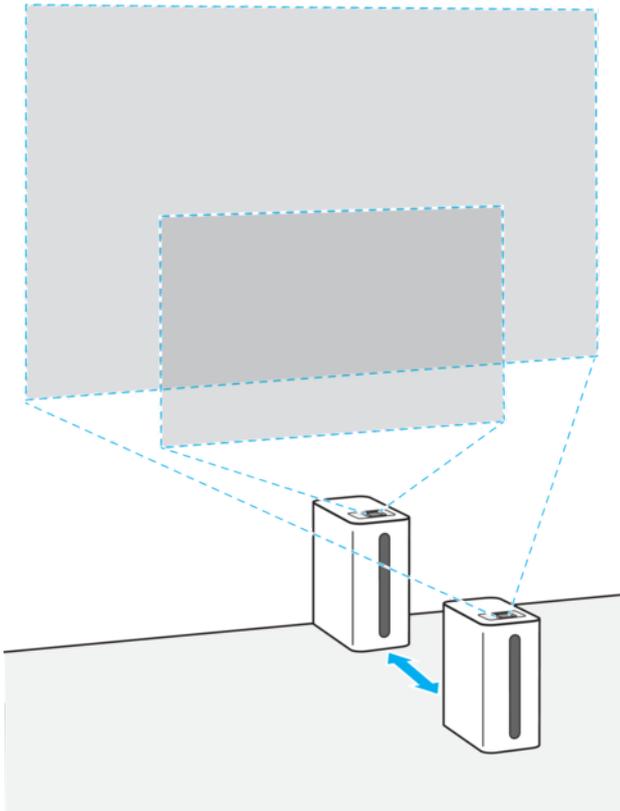


- Navigate the projected screen using your finger.
The projected image size is 23 inches wide.
- ! The device automatically pauses the projection if it is moved or lifted during operation.

To select where to project the Start-up animation

- 1 Find and tap **Settings > Display > Start-up animation**.
- 2 Select an option.

To project onto a wall



- 1 Place the device directly against the wall in the correct orientation as shown in the illustration. Make sure there are no obstructions above the device or within the projection area.
 - 2 To increase or decrease the projection area, reposition the device further from or closer to the wall, as shown in the illustration. The projected image size varies according to the distance from the wall:
 - 0 cm: 23 inches
 - Approximately 9 cm: 40 inches
 - Approximately 18 cm: 60 inches
 - Approximately 28 cm: 80 inches
- ! Touch functions are only available when the device is placed on a horizontal surface or directly against a vertical surface.
- 💡 Touch functions will not work properly:
- If the device is placed on a shiny or reflective surface, or under direct sunlight.
 - If you wear reflective jewellery or dark or glitter nail polish.

To dim the screen when the device is lifted up

- 1 Find and tap **Settings > Display**.
- 2 Tap the **Dim the screen when the device is lifted** switch to enable or disable the function.

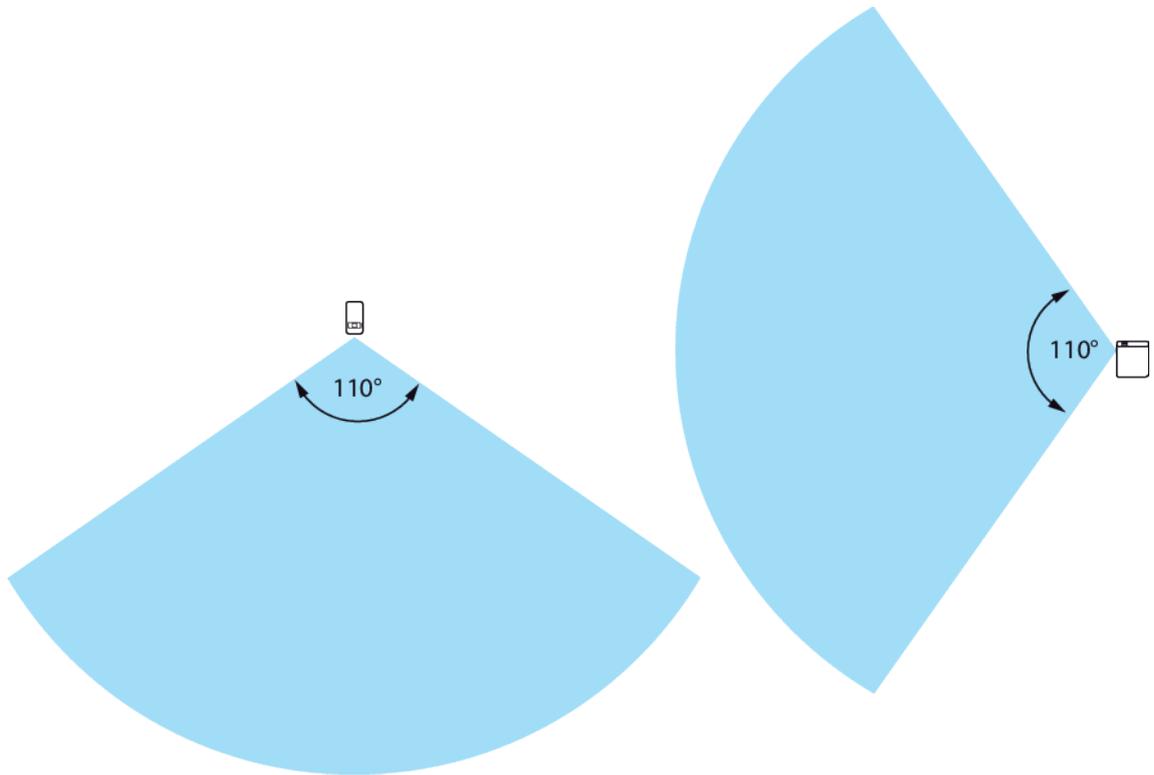
To change the projection orientation

- 1 Find and tap **Settings > Display > Portrait apps orientation**.
 - 2 Select the desired orientation setting.
- ! Due to the limitation of tablet support by third party applications, landscape view cannot be supported by Xperia Touch in some applications.

Presence Sensor

Your device is equipped with a sensor to detect user presence based on movement of heat sources. When the Presence Sensor detects someone, your device wakes up from sleep mode and starts projecting.

The Presence Sensor starts to work when you are using wall projection mode, 10 seconds after your device goes to sleep. You can also set the Presence sensor manually for table projection mode. The Presence Sensor has a detection range of 110° for up to two meters.



- ! The Presence Sensor may detect not only a person, but also a pet or heating appliance. It may not work properly when the ambient temperature changes due to air conditioning or if the user is in front of the device, but does not move.

To change the Presence Sensor settings

- 1 Find and tap **Settings > Display**.
- 2 Tap **Presence sensor settings**, then select an option.

Why do I need a Google account?

Your Xperia device runs on the Android platform developed by Google. A range of Google applications and services are available on your device at purchase, for example, Gmail™, Google Maps™, YouTube™ and the Play Store™. To get the most out of these services, you need a Google account. A Google account enables you to:

- Download and install applications from Google Play™.
- Synchronise your email, contacts and calendar using Gmail.
- Chat with friends using the Hangouts™ application.
- Synchronise your browsing history and bookmarks using the Google Chrome™ web browser.
- Identify yourself as the authorised user after a software repair using Xperia Companion.
- Remotely find, lock or clear a lost or stolen device using the Find my device services.

For more information about Android and Google, go to <http://support.google.com>.

- ! It is crucial to remember your Google account user name and password, in case you need to use it to identify yourself for security reasons. If you fail to give your Google user name and password in such situations, your device is locked. If you have more than one Google account, make sure to enter the details for the relevant account.

To set up a Google account on your device

- 1 Find and tap **Settings > Users & accounts > Add account > Google**.
 - 2 Follow the registration wizard to create a Google account, or sign in if you already have an account.
- 💡 You can also sign in to or create a Google account from the setup guide the first time you start your device. Alternatively, you can go online and create an account at <https://myaccount.google.com/>.

To remove a Google account

- 1 Find and tap **Settings > Users & accounts > Google**.
 - 2 Select the Google account that you want to remove.
 - 3 Tap **Remove account**.
 - 4 Tap **Remove account** again to confirm.
- ! If you remove your Google account, any security features that are linked to your Google account will no longer be available.

Device security

Making sure your device is protected

Your device includes security options, strongly recommended in case of loss or theft.

- ! When using a security option to protect your device, it is crucial to remember the details provided at set up.

Screen lock

Set a secure screen lock on your device using a PIN, password, pattern or to prevent others from using your device without permission. Once the screen lock is set, it is not possible to unlock the screen or erase the content via a Factory Data Reset without providing the screen lock information.

- 💡 If you add your contact information on the screen lock, for example your email, this information can be used to get your device back if you lose it.

Google account

Add a Google account so that you can use the Find my device service. In some situations, you may also need to identify yourself for security reasons using your Google account.

Find my device

Use the Find my device service to remotely locate, lock, unlock or erase the content on a lost device. After you have signed in to your Google account, Find my device is turned on by default.

Backup

Back up the content on your device in case your device is damaged, lost or stolen. See *Backing up and restoring content* on page 33.

Screen lock

When the screen is locked you have to unlock it with a swipe gesture or with your personal pattern, PIN, password. Initially, the unprotected screen swipe is set, but it is recommended to use a more secure screen lock to protect your device.

The security level of each lock type is listed below in order of weakest to strongest:

- Swipe: no protection, but you have quick access to the Home screen.
- Pattern: draw a simple pattern with your finger to unlock your device.
- PIN: enter a numeric PIN of at least four digits to unlock your device.
- Password: enter an alpha-numeric password to unlock your device.

To configure the notifications on the lock screen, see *Notifications* on page 25.

To create or change a screen lock

- ! It is very important that you remember your screen lock when using a pattern, PIN or password. If you forget this information, it may not be possible to restore important data such as contacts and messages. See troubleshooting tips for your device at <http://support.sonymobile.com>.

- 1 Find and tap **Settings > Lock screen & security > Screen lock**.
 - 2 If requested, confirm your current screen lock.
 - 3 Choose an option and follow the on-screen instructions.
 - 4 When a secure screen lock is used, you can set the power key to lock the screen, set the screen lock activation time and create a lock screen message by pressing .
-  If you use a Microsoft Exchange ActiveSync (EAS) account, the EAS security settings may limit the lock screen type to only a PIN or password. Contact your network administrator to check the implemented network security policies.

Unlocking your device automatically

The Smart Lock feature lets you set your device to unlock automatically in certain situations, for example, when connected to a Bluetooth device or carrying it with you.

The Smart Lock feature is available in most markets, countries or regions.

Go to <http://www.support.google.com/> and search "smart lock" for more information about the Smart Lock feature.

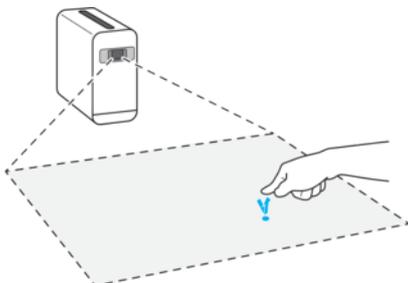
To enable Smart Lock

- 1 Set a pattern, PIN or password as a screen lock if you have not already done so.
- 2 Find and tap **Settings > Lock screen & security > Trust agents**.
- 3 Tap the **Smart Lock (Google)** slider to enable the function if it is not already on.
- 4 Tap .
- 5 Find and tap **Smart Lock**.
- 6 Enter your pattern, PIN or password. You need to enter these credentials to change your Smart Lock settings.
- 7 Select a Smart Lock type.

Learning the basics

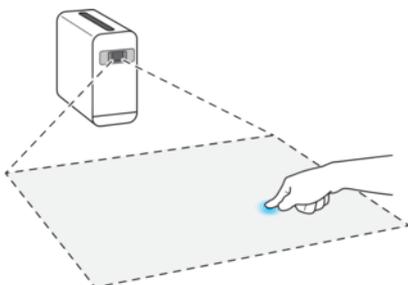
Using the touchscreen

Tapping



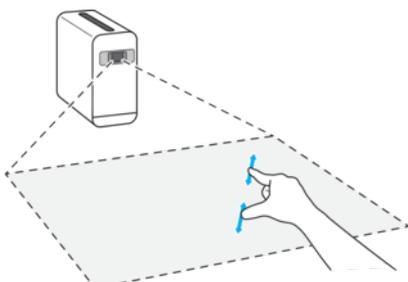
- Open or select an item.
- Mark or unmark a checkbox or option.
- Enter text using the on-screen keyboard.

Touching and holding



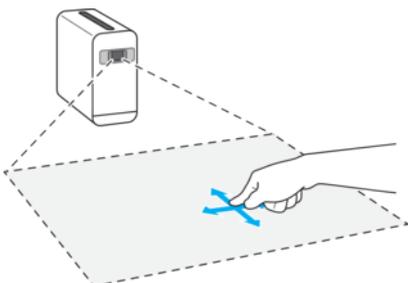
- Move an item.
- Activate selection mode, for example, to select several items from a list.

Pinching in and out



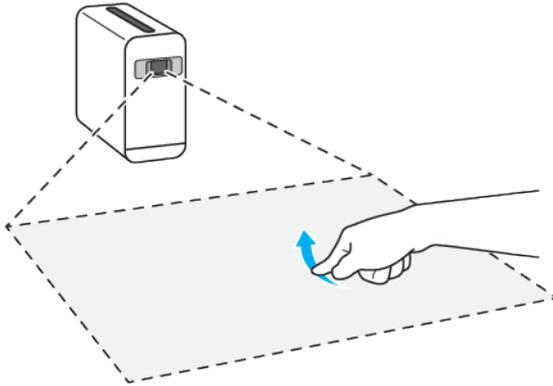
- Zoom in or out on web pages, photos and maps, and when you're taking photos or shooting videos.

Swiping and scrolling



- Scroll up and down, or left and right.
- Swipe left or right, for example, between Home screen panes.

Flicking

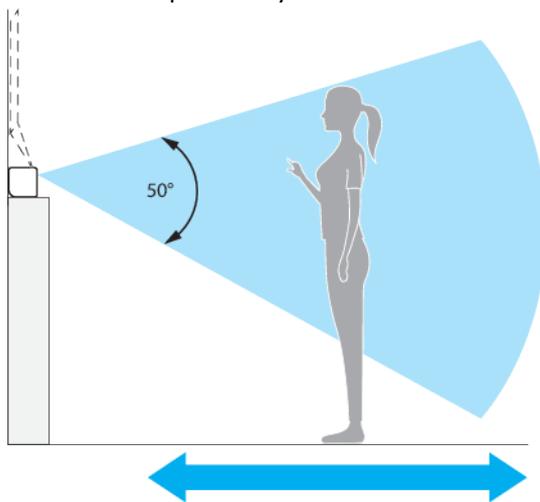


- Scroll quickly, for example, in a list or on a web page. You can stop the scrolling movement by tapping the screen.

Using Gesture Control

The Gesture control function lets you use supported hand gestures to control your device, without touching the screen. This function only works when projecting onto a wall.

To activate the tracking session, stand in front of the camera and perform the required motions. The detection range for Gesture control is 50° from the camera. You must position yourself 1m – 4m from the camera to allow for detection.

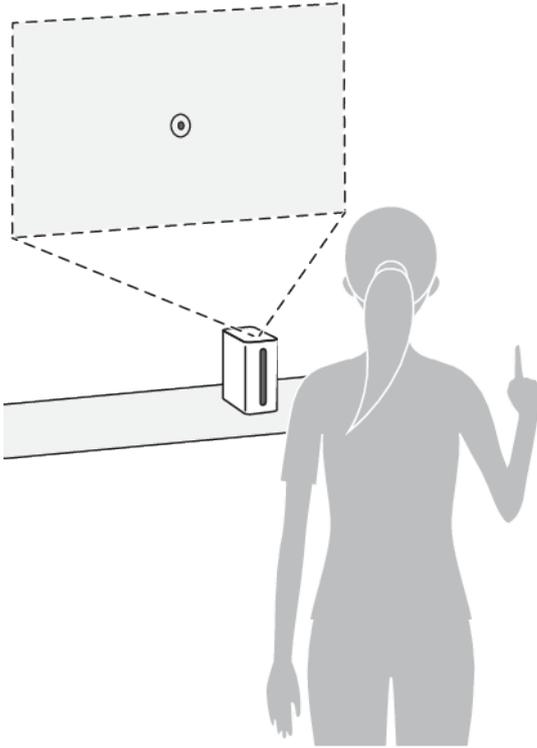


- ! Gesture control can be used for some, but not all, Android apps and features.

To turn Gesture Control on or off

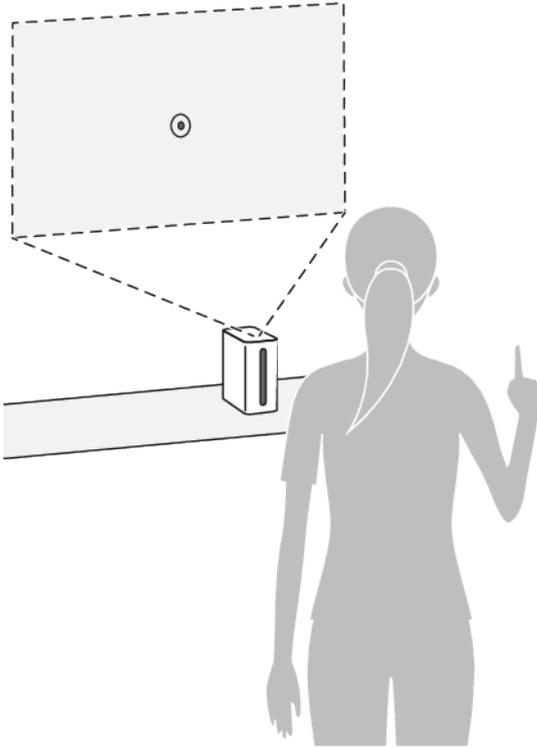
- 1 Find and tap **Settings > Accessibility > Gesture control**.
- 2 Tap the slider to enable or disable the function.

To activate a tracking session



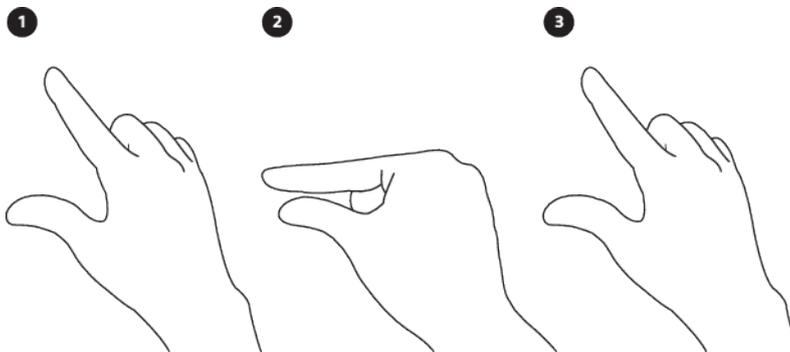
- 1 Make sure that your device is in wall projection mode.
 - 2 Face the projection screen and raise your hand as shown in the illustration.
 - 3 Hold your finger steady for at least one second to allow for recognition. When the  icon appears, you can begin the tracking session.
 - 4 Keep your hand raised for the tracking session to remain active. Lower your hand to end the tracking session.
-  The camera is not able to detect your hand if the room is completely dark, so make sure there is ambient lighting when using Gesture control.

To navigate the projected screen



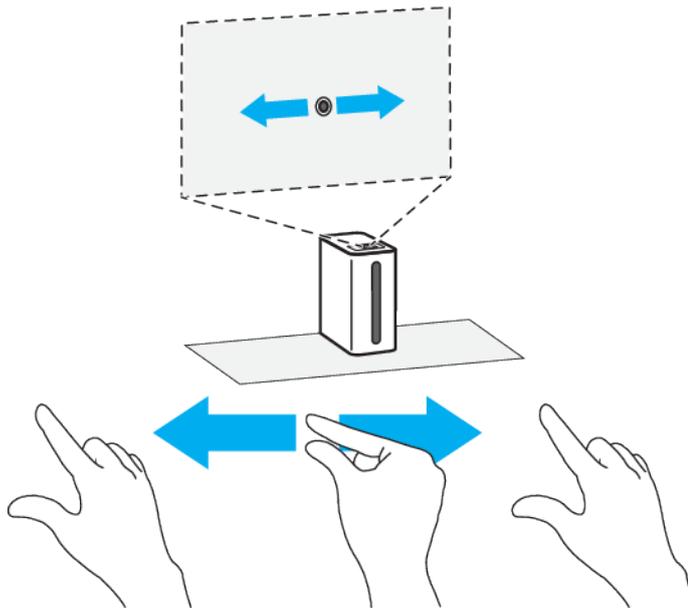
- When a tracking session is activated, use your finger to navigate the screen.
- ! Make sure not to cover your index finger as this can interfere with the sensor.

To click an item



- 1 When a tracking session is activated, use your index finger to point to the desired item with the  icon.
- 2 To click the item, briefly touch your thumb and index finger together as shown in the illustration.
- 3 Separate your thumb and index finger to complete the motion.

To drag and drop an item



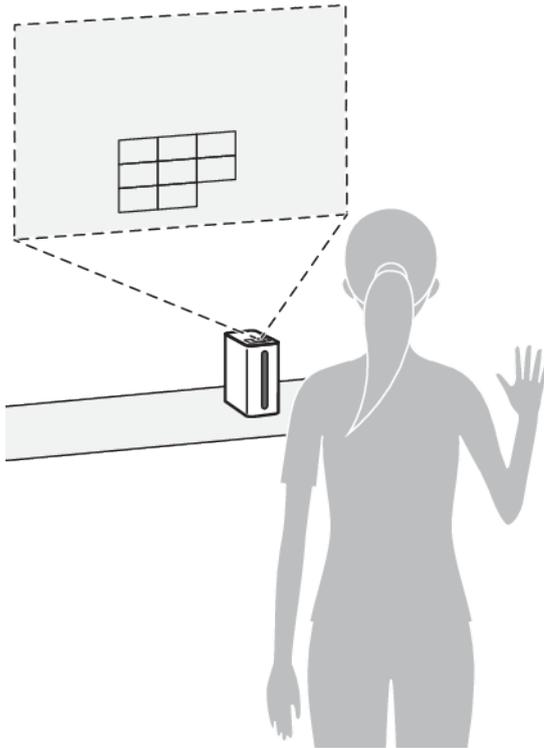
- 1 When a tracking session is activated, use your index finger to point to the desired item with the ☉ icon.
- 2 Bring your thumb and index finger together to select and hold the item, as shown in the illustration. The ● icon appears.
- 3 Keeping your thumb and index finger together, move your hand to drag the item as desired.
- 4 To drop the item, separate your thumb and index finger as shown in the illustration.

To mute or unmute your device



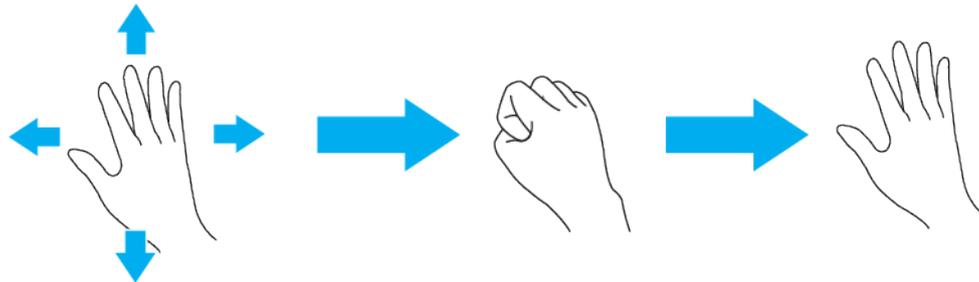
- When a tracking session is activated, hold your finger to your mouth as shown in the illustration.

To navigate the control panel for audio or videos



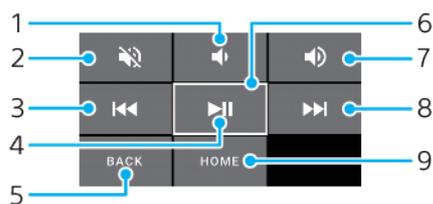
- When a video or audio is playing in wall projection mode, raise one hand with your palm open.

To control audio or videos with your palm



- 1 When a video or audio is playing in wall projection mode, stand facing the screen.
 - 2 With your palm open, raise one hand. The control panel appears.
 - 3 Keeping your palm open, move up, down, left or right to select an option.
 - 4 To perform the selected option, make a fist.
 - 5 To close the control panel, lower your hand.
- 💡 To switch between palm and single finger gesture control modes, lower your hand.

Gesture Control panel overview



- 1 Volume down
- 2 Mute / Unmute
- 3 Tap to play previous item or touch and hold to fast rewind
- 4 Pause / Play
- 5 Back
- 6 Button selected
- 7 Volume up
- 8 Tap to play next item or touch and hold to play in fast forward
- 9 Tap to return to the Home screen or touch and hold to activate Google Voice

Locking and unlocking the screen

When your device is on and left idle for a set period of time, the screen darkens to save battery power. You can set a lock that prevents unwanted actions on the touchscreen when you are not using it. You can change the security settings later and add other kinds of locks. See *Screen lock* on page 11.



To turn the screen on or off

- Briefly press the power key .

To lock the screen

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

Home screen

The Home screen is the starting point for using your device. It's similar to the desktop on a computer screen. The number of Home screen panes is represented by a series of dots at the lower part of the Home screen. The highlighted dot shows the pane that is currently displayed.

-  If Google Assistant is enabled, the Home screen icon appears as  in the navigation bar.

To go to the Home screen

- Press .

Home screen panes

You can add new panes to your Home screen (up to a maximum of 20 panes) and delete panes. You can also set the pane that you want to use as the main Home screen pane.



To set a pane as the main Home screen pane

- 1 Touch and hold any area on your Home screen.
 - 2 Swipe left or right to the pane that you want to set as your main Home screen pane, then tap .
- ! When Google Now is enabled, the left-most pane is reserved for this service and the main Home screen pane cannot be changed. For more information, see *Google Feed* on page 83.

To add a pane to your Home screen

- 1 Touch and hold any area on your Home screen.
 - 2 Swipe the panes all the way to the right or left, then tap .
- ! When Google Now is enabled, the left-most pane is reserved for this service and additional panes cannot be added to the left. For more information, see *Google Feed* on page 83.

To delete a pane from your Home screen

- 1 Touch and hold any area on your Home screen.
- 2 Swipe left or right to the pane that you want to delete, then tap  on the top right corner of the pane.

Home screen settings

To disable or uninstall an application from the Home screen

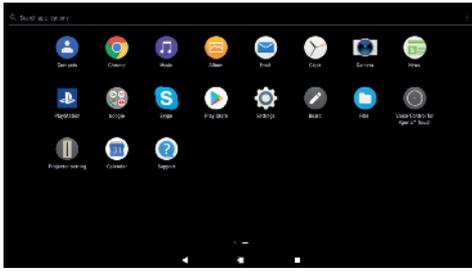
- ! Disabling a pre-installed app deletes all data, but the app can be enabled again from Settings > Apps & notifications. Only downloaded apps can be fully uninstalled.
- 1 Touch and hold the application you want to disable or uninstall. If it can be disabled or uninstalled an  appears.
 - 2 Tap  > **Disable** > **DISABLE** if the app came pre-installed on your device or tap  > **Uninstall** > **OK** if the app was downloaded and you would like to uninstall it.

To adjust the size of icons on your Home screen

- 1 Touch and hold any area on your Home screen, then tap .
- 2 Tap **Icon size**, then select an option.

Application screen

The Application screen, which you open from the Home screen, contains the applications that come pre-installed on your device as well as applications that you download.



To view all applications on the Application screen

- 1 From your Home screen, tap .
- 2 Flick left or right on the Application screen.

To enable or disable the recommended apps listings

- 1 Touch and hold an empty area on your Home screen, then tap .
- 2 Tap the **App recommendations** slider.

To open an application from the Application screen

- When the Application screen is open, flick left or right to find the application, and then tap the application.

To search for an application from the Application screen

- 1 When the Application screen is open, tap **Search** or simply swipe down on the Application screen or Home screen.
- 2 Enter the name of the application that you want to search for.

To arrange applications on the Application screen

- 1 When the Application screen is open, tap .
- 2 Tap **Sort apps**, then select an option.

To add an application shortcut to the Home screen

- 1 On the Application screen, touch and hold an application icon until it becomes selected, then drag the icon to the top of the screen. The Home screen opens.
- 2 Drag the icon to the desired location on the Home screen, then release it.

To move an application on the Application screen

- 1 When the Application screen is open, tap .
- 2 Make sure that **Own order** is selected under **Sort apps**.
- 3 Touch and hold the application until it becomes selected, then drag it to the new location.

Shortcuts for easy actions

You can access shortcuts directly from your app icons to uninstall downloaded apps or reveal more quick options. For example, long press the Calendar icon to create a new event or set a reminder. All apps have a shortcut to App info, where you can adjust notification settings and permissions. You can go to App info by tapping .

To use shortcuts for easy actions

- 1 Long press the desired app icon on your Home or Application screen.
- 2 Select from the options that appear. For example, tap  to go to App info, or tap .

 If an  icon is not shown, tap  for more options.

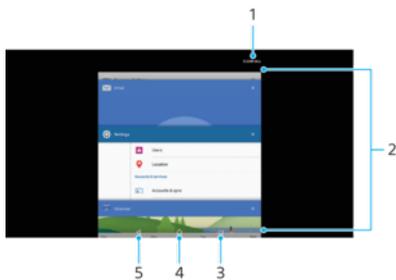
To disable or uninstall an application from the Application screen

- ! Whether an app can be uninstalled or disabled depends on the app, and if it was pre-installed on your device or downloaded. Downloaded apps can be uninstalled. Pre-installed apps cannot be uninstalled, only disabled if the app supports this. If you disable a pre-installed app, you can enable it again under Settings > Apps & notifications > App info.
 - 1 Touch and hold the application you want to disable or uninstall. If it can be disabled or uninstalled an **×** appears.
 - 2 Tap **×** > **Disable** > **DISABLE** if the app came pre-installed on your device or tap **×** > **Uninstall** > **OK** if the app was downloaded and you would like to uninstall it.
- 💡 If an **×** icon is not shown, tap **i** for more options.

Navigating applications

You can navigate between applications using the navigation keys and the recently used applications window, which lets you switch easily between all recently used applications. The navigation keys are the Back key, the Home key, and the Recent apps key. You can also pop open two applications on the screen at once using the split screen mode, if the application supports multi-window function. Some applications get closed when you press the Home key **●** to exit while others are paused or continue to run in the background. If an application is paused or running in the background, you can continue where you left off the next time you open the application.

Navigating applications overview



- 1 Clear all – Tap to close all recently used applications
- 2 Recently used applications window – Tap to open a recently used application
- 3 Recent apps key – Tap to open the recently used applications window and the favourites bar
- 4 Home key – Tap to go back to the Home screen
- 5 Back key – Tap to go back or close the application

To open the recently used applications window

- Press **■**.

To quickly switch between recently used applications

- Quickly double-press **■**.

To close all the recently used applications

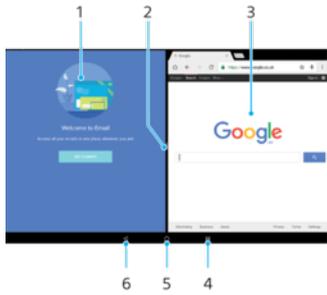
- Press **■** and then tap **Clear all**.

To open a menu in an application

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

Split screen mode

Split screen mode enables you to view two applications at once, for example, if you want to view your email inbox and a web browser at the same time.



- 1 Application 1 in left window
- 2 Split screen border – Drag to resize windows
- 3 Application 2 in right window
- 4 Split screen key – Select a recently used application
- 5 Home key – Go back to the Home screen
- 6 Back key – Go back to the previous screen within an application or close the application

! Not all applications support split screen mode.

To use split screen mode

- 1 Make sure that the two applications that you want to use in split screen mode are open and running in the background.
- 2 Open the application that you would like to use in split screen mode, then tap and hold . The application will be assigned to the first part of the split screen.
- 3 Select the second desired application from the thumbnail list.
- 4 If you want to resize the split screen windows, drag the split screen border in the centre.
- 5 To exit split screen mode, tap and hold  while the split screen windows are displayed.

Widgets

Widgets are small applications that you can use directly on your Home screen. They also function as shortcuts. For example, the Weather widget allows you to see basic weather information directly on your Home screen. When you tap the widget, the full Weather application opens. You can download additional widgets from Google Play.

To add a widget to the Home screen

- 1 Touch and hold any empty area on your **Home screen** until the customisation menu appears, then tap **Widgets**.
- 2 Find and tap the widget that you want to add.

To resize a widget

- 1 Touch and hold a widget until it becomes selected, 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 move a widget

- Touch and hold the widget until it becomes selected, then drag it to the new location.

To remove a widget

- Touch and hold the widget until it becomes selected, then drag it to **Remove from home screen**.

Shortcuts and folders

Use shortcuts and folders to manage your applications and keep your Home screen tidy.

Shortcuts and folders overview



- 1 Access an application using a shortcut
- 2 Access a folder containing applications

To add an application shortcut to your Home screen

- 1 Touch and hold an empty area on your **Home screen**.
- 2 In the customisation menu, tap **Widgets > Shortcuts**.
- 3 Scroll through the list and select an application. The selected application gets added to the **Home screen**.

To move an item on the Home screen

- Touch and hold the item until it becomes selected, then drag the item to the new location.

To remove an item from the Home screen

- Touch and hold the item until it becomes selected, then drag the item to **Remove from home screen** on the top of the screen.

To create a folder on the Home screen

- Touch and hold an application icon or a shortcut until it becomes selected, then drag and drop it on top of another application icon or shortcut.

To add items to a folder on the Home screen

- Touch and hold an item until it becomes selected, then drag the item to the folder.

To rename a folder on the Home screen

- 1 Tap the folder to open it.
 - 2 Tap the folder's title bar to show the **Folder name** field.
 - 3 Enter the new folder name and tap **DONE**.
- 💡 You can also use a shortcut for easy action. Long press the folder name and tap Rename.

Background and themes

Your device comes with a default background, but you can adapt the Home screen and lock screen to your own style using wallpapers and themes featuring different colours and patterns.

A wallpaper may be used without changing any of the other elements of your Home screen and lock screen. Live wallpapers add visual effects to your interactions with the touch screen, letting the display change dynamically.

Themes can include a wallpaper, a screensaver, title bars, and a sound scheme that all fit together to create a unique look and feel for your device.

To change your wallpaper

- 1 Touch and hold any empty area on your **Home screen**.
 - 2 Tap **Wallpapers** and select an option.
- 💡 You can also use a photo as your wallpaper. Instead of selecting a wallpaper from the option shown, tap Photos. Choose a photo and tap SELECT> APPLY.

Taking a screenshot

You can capture still images of any screen on your device as a screenshot. Screenshots you take are automatically saved in the Album application.

To take a screenshot

- 1 Press and hold down the power key until a prompt window appears.
- 2 Tap **Take screenshot**.

To view your screenshot

- 1 Double-tap the status bar to display the Notification panel.
 - 2 Tap the screenshot.
- 💡 You can also view your screenshots in the Album application.

Notifications

Notifications inform you of events such as new messages and calendar notifications as well as activities in progress such as file downloads. Notifications appear in the following places:

- The status bar
- The notification panel
- The lock screen
- The app icon

To open or close the Notification panel



- 1 To open the Notification panel, drag the status bar downwards, or simply double-tap it.
 - 2 To close the Notification panel, drag or flick the panel upwards.
- 💡 After opening the Notification panel, you can access the Quick settings panel by dragging the status bar down again.

To take action on a notification in the Notification panel

- Tap the notification.
- 💡 You can directly reply to chat or email messages in the Notification panel.

To dismiss a notification from the Notification panel

- Swipe the notification left or right.
- ! Not all notifications can be dismissed.
- 💡 To change settings for notifications, simply drag the notification slowly to the left or right, then tap ⚙️.

To expand a notification on the Notification panel

- Drag the notification downwards to expand and view more information about the notification without opening the app.
- ! Not all notifications are expandable.

To clear all notifications from the Notification panel

- Tap **Clear all**.

To take action on a notification from the lock screen

- Double-tap the notification.

To dismiss a notification from the lock screen

- Swipe the notification left or right.

To expand a notification on the lock screen

- Drag the notification downwards.
- ! Not all notifications are expandable.

Notification display options on the lock screen

Don't show notifications at all	You won't get any notifications on the lock screen.
Show all notification content	Get all notifications on the lock screen. When you have this setting turned on, keep in mind that all content (including the content of incoming emails and chat messages) will be visible on your lock screen unless you designate the relevant apps as Hide sensitive content in the Apps & notifications settings menu.
Hide sensitive notification content	You must have a PIN, password, or pattern set up as your screen lock in order for this setting to be available. Contents hidden is displayed on the lock screen when sensitive notifications arrive. For example, you'll get a notification for an incoming email or chat, but the content won't be visible on your lock screen.

To select the notifications to display on the lock screen

- 1 Find and tap **Settings > Apps & notifications > Configure notifications**.
 - 2 Tap **Show notifications**.
 - 3 Select an option.
- 💡 You can keep notifications on the lock screen until you swipe to dismiss them. To enable this feature, tap the Keep notifications slider under Notifications.

Setting the notification level for an app

Block all	Never receive notifications from the selected app.
Sounds off	Block sound and screen notifications.
Interrupts in Priority only	Receive notifications from this app even when Do not disturb is set to Priority only.

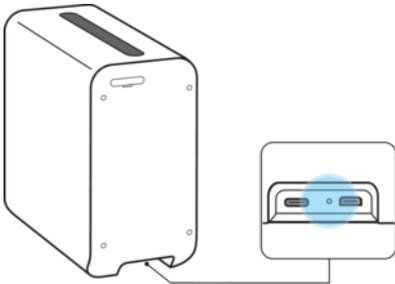
- ! You can set notification channels to categorise notification levels. Long press a notification to change the notification categories.

To set the notification level for an app

- 1 Find and tap **Settings** > **Apps & notifications** > **App info**.
- 2 Select the desired app, then tap **App notifications**.
- 3 Tap the sliders to adjust notification settings as desired.

Notification light

The notification light informs you about the battery status when you plug in the device.



Icons in the status bar

Status icons

-  A Wi-Fi connection is enabled and data is being transmitted and received.
-  A Wi-Fi connection is enabled but there is no internet connection.
This icon also appears when you are trying to connect to a secured Wi-Fi network. After a successful login, the exclamation mark disappears.
If Google™ is blocked in your area, the exclamation mark may appear even when the device is connected to a Wi-Fi network and there is a working internet connection.
-  60%  Battery status.
-  60%  The battery is charging.
-  Airplane mode is activated.
-  The Bluetooth function is activated.
-  The microphone is muted.
-  Do not disturb mode is activated.
-  An alarm is set.
-  GPS is activated.
-  Synchronisation is ongoing.

 Problem with sign-in or synchronisation.

! Depending on your service provider, network or region, the functions or services represented by some icons in this list may not be available.

To manage status bar icons

- 1 Find and tap **Settings > Display > System icons**.
- 2 Mark the checkboxes for the system icons that you want to appear in the status bar.

Notification icons

-  New email message.
-  Perform a basic setup of your device.
-  A software update is available.
-  System updates are available.
-  Downloading system updates.
-  Tap to install the downloaded system updates.
-  Screenshot captured.
-  New Hangouts chat message.
-  Video chat with friends using the Hangouts application.
-  A song is playing.
-  The device is connected to a computer via a USB cable.
-  Internal storage is 75% full. Tap to transfer data to a memory card.
-  Warning.
-  More (undisplayed) notifications.

! Not all icons that may appear on your device are listed here. These icons are for reference purposes only, and changes may be made without notice.

To block an application from sending notifications

- 1 Find and tap **Settings > Apps & notifications > Configure notifications > Notifications**.
- 2 Select an application.
- 3 Tap the slider beside **On** to block application notifications.

Applications overview

-  Manage, view and edit your photos and videos using the Album application.
-  Keep track of events and manage your appointments.
-  Take photos and record video clips.
-  Use the Chrome web browser to view web pages, text and images, and manage your bookmarks.
-  Set various alarms and timers.
-  Manage phone numbers, email addresses and other contact information.

-  Access your downloaded applications, documents and pictures.
-  Send and receive emails through both personal and work accounts.
-  Read, write and organise email messages
-  Search for information on your device and on the web.
-  Use the Hangouts application to chat with friends online.
-  View your current location, find other locations and plan routes using Google Maps™.
-  Use the Music application to organise and play music and audio books.
-  View news stories from News Suite.
-  Organise, search or browse your photos and videos.
-  Use the Google Play Movies & TV application to watch movies and TV shows purchased or rented on Google Play.
-  Discover and play thousands of songs with the Google Play Music™ application.
-  Use the Play Store application to find applications to buy or download free.
-  Stay connected with your gaming friends and the games you love to play, shop on the PlayStation®Store, and more.
-  Optimise settings to suit your own requirements.
-  Save your documents and files for easy access from any device, share them with your friends, and collaborate with colleagues.
-  Create, edit and collaborate with others on documents using Google Docs.
-  Create, edit and collaborate with others on spreadsheets using the Google Sheets application.
-  Create, edit and collaborate with others on presentations.
-  Use the Support application to access user support on your device. For example, you can access a User guide, troubleshooting information, plus tips and tricks.
-  Search content on the web using your voice.
-  Watch videos from users around the world, and share your own.
-  Create video memos and memos in handwriting.
-  Use voice commands to control features.

! Some applications may not be included on your device or may not be supported by all networks or service providers in all areas.

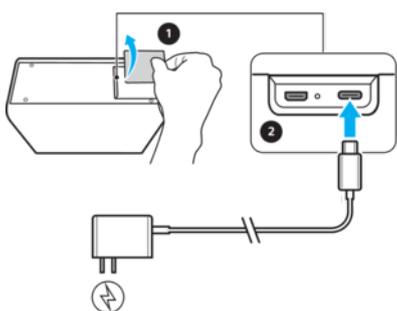
Battery and maintenance

Using your device

During use, it is recommended to keep your device connected to a power outlet at all times with the USB Type-C cable provided. You can disconnect the power cable, for example, when you need to move your device. Your device has a battery life of up to one hour when fully charged.

- ! Your device has an embedded, rechargeable battery that can only be replaced by an authorised Sony repair centre. Do not try to open or take apart the device yourself. Doing so can cause damage and void your warranty.

To charge your device



- 1 Remove the slot cover.
 - 2 Connect the charger to the charging port as shown in the illustration.
 - 3 Gently reattach the slot cover.
 - 4 Plug the charger into the power outlet. The charging indicator next to the power cable slot lights up.
- ! It is important to use the USB Type-C charger (provided) when charging your device as other types of USB chargers can damage your device or fail to function correctly.
 - 💡 If the battery is completely depleted, it may take a few minutes before the notification light illuminates and the charging icon appears.

Updating your device

You should update the software on your device to get the latest functionality, enhancements and bug fixes in order to ensure optimal performance. When a software update is available,  appears in the status bar. You can also check for new updates manually, or schedule an update.

The easiest way to install a software update is to do so wirelessly from your device. However, some updates are not available for wireless download. You then need to use the Xperia Companion software on a PC or on an Apple Mac[®] computer to update your device.

Before updating your device, consider the following:

- Ensure you have sufficient storage capacity before attempting to update.
- If you are using a device with multiple users, you must log in as the owner, that is, the primary user, to update the device.
- System and application updates can present the features on your device in another way than described in this User guide. The Android version might not be affected after an update.

To check for new software

- 1 If you are using a device with multiple users, make sure you are logged in as the owner.
 - 2 From your **Home screen**, tap .
 - 3 Find and tap **Settings > System > Software update**.
- ! If your Xperia™ device has less than 500 MB of free internal memory available, you are not notified about new software. Instead you receive a warning in the Notification panel: "Storage space running out. Some system functions may not work." If you receive this notification, you must first free up internal memory to get notifications about new available software.

Updating your device wirelessly

Use the Software update application to update your device wirelessly. If no updates are available, you have the latest software.

To install a system update

- 1 If you are sharing a device with multiple users, make sure you are logged in as the owner.
- 2 Find and tap **Settings > System > Software update**.
- 3 If a system update is available, tap **UPDATE**.
- 4 Restore the device when prompted.

To set up automatic download of system updates

- 1 Find and tap **Settings > System > Software update**.
- 2 Tap , then tap **Settings > Auto download system updates**.
- 3 Select the preferred option.

To enable or disable automatic updates for applications

- 1 Find and tap **Settings > System > Software update**.
- 2 Tap , then tap **Settings > Auto-update apps**.
- 3 Select the preferred option.

Updating your device using Xperia Companion

To update your device using a computer

- 1 Using a USB Type-C cable, connect your device to the computer.
 - 2 Make sure that the screen of your device is unlocked, and that the USB connection mode on the device is set to **Transfer files**.
 - 3 Open Xperia Companion, if it is not automatically launched.
 - 4 **Computer:** If a new software update is detected, a popup window appears. Follow the on-screen instructions to run the relevant software updates.
- ! If you don't have the Xperia Companion software installed on the relevant computer, connect your device to the computer and follow the on-screen installation instructions. Make sure that you are using the USB Type-C cable that came with your device and that it is properly connected to the device and computer.

Maintenance using a computer

Xperia Companion

Xperia Companion is a software service which provides a collection of tools and applications you can use when you connect your device to a computer. With Xperia Companion, you can:

- Update or repair your device's software.
- Transfer your content from an old device using Xperia Transfer.
- Back up and restore content on your computer.

- Sync multimedia content – photos, videos, music and playlists – between your device and computer.
- Browse files on your device.

To use Xperia Companion, you need an internet-connected computer running one of the following operating systems:

- Microsoft® Windows® 7 or later
- Mac OS® X 10.11 or later

Learn more and download Xperia Companion for Windows or Mac at <http://support.sonymobile.com/global-en/xperia-companion/>.

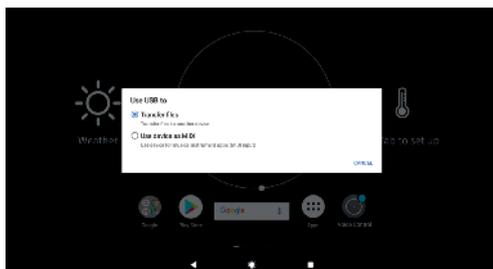
Managing files using a computer

Use a USB Type-C cable connection between a Windows computer and your device to transfer and manage your files.

Once the two devices are connected, you can choose if you want to transfer files or use it for MIDI input. Your computer will detect your device when you select the Transfer files connection mode.

With Xperia Companion you can access the file system of your device. If you do not have Xperia Companion installed, you are requested to install it when you connect your device to the computer.

- ! Always use a USB cable intended for your specific Xperia model and make sure it is completely dry.



USB connection mode

You can use the Transfer files connection mode to manage files and update device software. This USB mode is used with Microsoft Windows computers.

With the Use device as MIDI mode, your device can function as a MIDI input for musical instrument apps.

To change USB connection mode

- 1 Attach a USB Type-C connector to your device.
- 2 Drag down the Status bar, then tap **Android System**.
- 3 Select an option.

Storage and memory

Your device has several different storage and memory options:

- The internal storage stores downloaded or transferred content along with personal settings and data.
 - You can use a removable memory card to get more storage space. Media files can be moved to this type of memory to free up internal storage.
 - The RAM (dynamic memory) cannot be used for storage. RAM is used to handle running applications and the operating system.
- ! You can purchase a memory card separately.

- 💡 Read more about the use of memory in Android devices by downloading the White paper for your device at www.sonymobile.com/support/.

Improving memory performance

Your device memory tends to fill up as a result of normal usage. If the device starts to slow down, or applications suddenly shut down, you should consider the following:

- Always try to keep at least 500 MB of free internal storage available.
 - Close running applications that you are not using.
 - Clear the cache memory for all applications.
 - Uninstall downloaded applications that you don't use.
 - Transfer photos, videos and music from the internal memory to the memory card.
 - If your device can't read content on the memory card, you may need to format the card. Note that when you format the card, all content is erased.
- ! If you are sharing a device with multiple users, you must log in as the owner, that is, the primary user, to be able to perform certain actions, such as transferring data to the memory card and formatting the memory card.

To view the memory status

- Find and tap **Settings > Storage**.

To clear the cache memory for all applications

- 1 Find and tap **Settings > Storage**.
- 2 Tap **Other apps**, then tap the desired application.
- 3 Tap **CLEAR CACHE**.

💡 When you clear the cache memory, you don't lose any important information or settings.

To transfer media files to the memory card

- 1 Make sure you have a memory card inserted into your device.
- 2 Find and tap **Settings > Storage > Transfer data to SD card**.
- 3 Mark the files that you want to transfer to the memory card.
- 4 Tap **Transfer**.

To stop applications and services from running

- 1 Find and tap **Settings > Apps & notifications > App info**.
- 2 Select an application or service, then tap **FORCE STOP > OK**.

To format the memory card

- 1 Find and tap **Settings > Storage**.
- 2 Tap **SD card > ⋮**, then tap **Storage settings > Format > Erase & format**.

! All content on the memory card gets erased when you format it. Make sure you first make backups of all data that you want to save. To back up your content, you can copy it to a computer. For more information, see *Managing files using a computer* on page 32.

Backing up and restoring content

Generally, you should not save photos, videos and other personal content solely on the internal memory of your device. If your device is damaged, lost or stolen, the data stored on its internal memory may be impossible to recover. It is recommended to use the Xperia Companion software to make backups which save your data safely to an external device. This method is especially recommended if you are updating your device software to a newer Android version.

The Xperia Backup & restore application is recommended for backing up data before you do a factory data reset. With this application you can back up data to an online account, an SD card or to an external USB storage device that you have connected to your device using a USB host adapter.

With the Google Backup & restore application, you can back up data to a Google server.

Backing up data to a computer

Use the Xperia Companion software to back up data from your device to a PC or an Apple Mac computer. You can back up the following types of data:

- Calendar
- Settings
- Media files such as music and videos
- Photos and images

To back up your data using a computer

- 1 Unlock the screen of your device and connect it to the computer using a USB Type-C cable.
 - 2 Open the Xperia Companion software on your computer if it is not automatically launched. After a few moments, the computer detects your device. Make sure to select **Transfer files** mode on your device.
 - 3 Click *Backup* on the Xperia Companion main screen.
 - 4 Follow the on-screen instructions to back up data from your device.
- ! If you do not have Xperia Companion installed, you are requested to install it when you connect your device to the computer.

To restore your data using a computer

- 1 Unlock the screen of your device and connect it to the computer using a USB Type-C cable.
 - 2 Open the Xperia Companion software on your computer if it is not automatically launched. After a few moments, the computer detects your device. Make sure to select **Transfer files** mode on your device.
 - 3 Click *Restore* on the Xperia Companion main screen.
 - 4 Select a backup file from the backup records, then click **Next** and follow the on-screen instructions to restore data to your device.
- ! If you do not have Xperia Companion installed, you are requested to install it when you connect your device to the computer.

Backing up data with the Xperia Backup & restore application

Using the Xperia Backup & restore application, you can make an online or a local data backup. You can do so manually or turn on the automatic backup function to save data periodically.

The Xperia Backup & restore application is recommended for backing up data before you do a factory data reset. With this application you can back up the following types of data to an online account, an SD card or to an external USB storage device that you have connected to your device using a USB host adapter:

- Contacts
- Calendar
- Email accounts
- Wi-Fi accounts
- Device settings
- Applications
- Xperia Home layout

To set up the automatic backup function

- 1 If you are backing up content to a USB storage device, make sure the storage device is connected to your device using a USB Host adapter. If you are backing up to an SD card, make sure that the SD card is mounted properly into your device. If you are backing up content to an online account, make sure you have signed in to your Google™ account.
- 2 Find and tap **Settings > System > Xperia Backup & Restore**.
- 3 Tap **Automatic backup**.
- 4 To enable the automatic backup function, tap the on-off switch.
- 5 Select where to save backup files.
- 6 If desired, select a backup frequency, the time to back up and the data to back up. Otherwise the backup is completed according to the default settings.
- 7 To save your settings, tap ◀.

To back up content manually

- 1 If you are backing up content to a USB storage device, make sure the storage device is connected to your device using a USB host adapter. If you are backing up to an SD card, make sure the SD card is properly inserted into your device. If you are backing up content to an online account, make sure you have signed in to your Google account.
- 2 Find and tap **Settings > System > Xperia Backup & Restore**.
- 3 Tap **More**.
- 4 Tap **Manual backup**, then select a backup destination and the data that you want to back up.
- 5 Tap **BACK UP**.
- 6 After the data is backed up, tap **FINISH**.

To edit or delete a backup file

- 1 Find and tap **Settings > System > Xperia Backup & Restore**.
- 2 Tap **More**.
- 3 Tap **Edit backup file**, then select a backup source and the data types that you want to edit.
- 4 To delete the selected data, tap **Delete data**.
- 5 Tap **OK** to confirm.
- 6 After the data is deleted, tap **FINISH**.

To restore backed up content

- 1 If you are restoring content from a USB storage device, make sure that the storage device is connected to your device using the USB Host adapter. If you are restoring content from an SD card, make sure that the SD card is properly inserted into your device. If you are restoring content from Xperia Backup & Restore service, make sure you have signed in to your Google account.
 - 2 Find and tap **Settings > System > Xperia Backup & Restore**,
 - 3 Tap **Restore data**, then select a restore source and the data that you want to restore.
 - 4 Tap **Restore data**.
 - 5 After the content is restored, tap **FINISH**.
- ! Remember that any changes that you make to your data and settings after you create a backup - such as any new apps you install - get deleted during any subsequent restore procedure.

Backing up data with the Google Backup & restore application

Using the Google Backup & restore application, you can back up data to a Google server. You can also turn on the automatic restore function to restore application data and settings when you reinstall an application.

With this application you can back up the following types of data:

- Applications
- Bookmarks
- Wi-Fi networks
- Other settings

To back up data to a Google account

- 1 Find and tap **Settings > System > Backup**.
- 2 Under **Back up to Google Drive**, tap **Account** and choose an account to back up your files to.

To enable or disable automatic restore when you reinstall an application

- 1 Find and tap **Settings > System > Backup**.
- 2 Tap the **Back up to Google Drive** slider to enable or disable the automatic restore.

Downloading applications

Downloading applications from Play Store

Play Store is the official online Google store for downloading applications, games, music, movies and books. It includes both free and paid applications. Before you start downloading from Play Store, make sure that you have a working internet connection, preferably over Wi-Fi to limit data traffic charges. For more information, see *Updating your device* on page 30.

- ! To use Play Store, you need to have a Google account. Play Store may not be available in all countries or regions.

To download an application from Play Store

- 1 Find and tap .
 - 2 Find an item you wish to download by browsing categories, or by using the search function.
 - 3 Tap the item to view its details. Follow the instructions on the projected screen to complete the installation.
- ! Some applications may need to access data, settings and various functions on your device in order to work properly. Only install and give permissions to applications that you trust.
 - 💡 You can view the permissions granted to a downloaded application by tapping the application under Settings > Apps & notifications > App info.

Downloading applications from other sources

When your device is set to allow downloads from sources other than Play Store, you can download applications directly from other websites by following the relevant download instructions.

- ! Installing applications of unknown or unreliable origin can damage your device. Download applications only from reliable sources. Contact the application provider if you have any questions or concerns.
- 💡 If you are using a device with multiple users, only the owner, that is, the primary user, can allow downloads from sources other than Play Store. Changes made by the owner affect all other users.

To enable or disable the downloading of applications from other sources

- 1 Find and tap **Settings > Apps & notifications**.
- 2 Tap **Advanced > Special app access > Install unknown apps**.
- 3 Tap the application you want to allow the installing of application from other sources, then tap the **Allow from this source** slider to enable or disable.

Internet and networks

Browsing the web

The Google Chrome™ web browser for Android™ devices comes pre-installed in most markets. Go to <http://support.google.com/chrome> and click the "Chrome for Mobile" link to get more detailed information about how to use this web browser.

To browse the web

- 1 Find and tap .
- 2 If you are using Google Chrome for the first time, select to either sign in to a Google account or browse with Google Chrome anonymously.
- 3 Enter a search term or web address in the search and address field, then tap  on the keyboard.

Wi-Fi

Use Wi-Fi to surf the internet, download applications, or send and receive emails. Once you have connected to a Wi-Fi network, your device remembers the network and automatically connects to it the next time you come within range.

Some Wi-Fi networks require you to log in to a web page before you can get access. Contact the relevant Wi-Fi network administrator for more information.

Available Wi-Fi networks may be open or secured:

- Open networks are indicated by  next to the Wi-Fi network name.
 - Secured networks are indicated by  next to the Wi-Fi network name.
- ! Some Wi-Fi networks do not show up in the list of available networks because they do not broadcast their network name (SSID). If you know the network name, you can add it manually to your list of available Wi-Fi networks.

To turn Wi-Fi on or off

- 1 Find and tap **Settings > Network & Internet > Wi-Fi**.
 - 2 Tap the slider to enable or disable Wi-Fi.
- ! It may take a few seconds before Wi-Fi is enabled.

To connect to a Wi-Fi network

- 1 Find and tap **Settings > Network & Internet > Wi-Fi**.
 - 2 Tap the slider to turn on Wi-Fi. All available Wi-Fi networks are displayed.
 - 3 Tap a Wi-Fi network to connect to it. For secured networks, enter the relevant password.  is displayed in the status bar once you are connected.
- 💡 The list of available Wi-Fi networks refreshes automatically. If you cannot connect to a Wi-Fi network successfully, refer to the relevant troubleshooting tips for your device at <http://support.sonymobile.com>.

To add a Wi-Fi network manually

- 1 Find and tap **Settings > Network & Internet > Wi-Fi**.
 - 2 Scroll down and tap **Add network**.
 - 3 Enter the **Network name** information.
 - 4 To select a security type, tap the **Security** field.
 - 5 If required, enter a password.
 - 6 To edit advanced options such as proxy and IP settings, tap **Advanced options** and then edit the options as desired.
 - 7 Tap **Save**.
- ! Contact your Wi-Fi network administrator to get the network SSID and password.

Increasing Wi-Fi signal strength



There are a number of things you can do to improve Wi-Fi reception:

- Move your device closer to the Wi-Fi access point.
- Move the Wi-Fi access point away from any potential obstructions or interference.
- Don't cover the Wi-Fi antenna area of your device (the highlighted area in the illustration).

Wi-Fi settings

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

To enable or disable Wi-Fi network notifications

- 1 Make sure that Wi-Fi is turned on for your device.
- 2 Find and tap **Settings > Network & Internet > Wi-Fi**.
- 3 Tap **Wi-Fi preferences**.
- 4 Tap the **Open network notification** slider to enable or disable.

To view detailed information about a connected Wi-Fi network

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

To add a Wi-Fi sleep policy

- 1 Find and tap **Settings > Network & Internet > Wi-Fi**.
- 2 Tap **Wi-Fi preferences > Keep Wi-Fi on during sleep**.
- 3 Select an option.

Wi-Fi Protected Setup™

Wi-Fi Protected Setup is a wireless networking standard that helps you establish secure wireless network connections. Wi-Fi Protected Setup makes it easy for you to set up WPA™ (Wi-Fi Protected Access®) encryption to secure your network. You can also add new devices to an existing network without entering long passwords.

Use one of these methods to enable Wi-Fi Protected Setup:

- Push button method – simply push a button on a Wi-Fi Protected Setup-supported device, for example, a router.
- PIN method – your device creates a random PIN, which you enter on the Wi-Fi Protected Setup-supported device.

To connect to a Wi-Fi network using a Wi-Fi Protected Setup button

- 1 Find and tap **Settings > Network & Internet > Wi-Fi**.
- 2 Turn on Wi-Fi if it is not already on.
- 3 Tap **Wi-Fi preferences > Advanced > WPS Push Button**, then press the Wi-Fi Protected Setup button on the Wi-Fi Protected Setup-supported device.

To connect to a Wi-Fi network using a Wi-Fi Protected Setup PIN

- 1 Find and tap **Settings > Network & Internet > Wi-Fi**.
- 2 Turn on Wi-Fi if it is not already on.
- 3 Tap **Wi-Fi preferences > Advanced > WPS PIN Entry**.
- 4 On the Wi-Fi Protected Setup-supported device, enter the PIN that appears on your device.

Controlling data usage

You can keep track of the amount of data transferred to and from your device over your Wi-Fi connection during a given period. You can also view the amount of data used by individual applications or by the device overall, and find options that help reduce data usage.

To control the data usage of individual applications

- 1 Find and tap **Settings > Apps & notifications > App info**.
 - 2 Tap the application that you want to control, then tap **Data usage**.
-  The performance of individual applications may be affected if you change the related data usage settings.

To check your data usage

- 1 Find and tap **Settings > Network & Internet > Data usage**.
- 2 To view information about the amount of data transferred via Wi-Fi connection, tap **Wi-Fi data usage**.

Synchronising data on your device

Synchronising with online accounts

Synchronise your device with contacts, email, calendar events and other information from online accounts, for example, email accounts such as Gmail and Exchange ActiveSync, Facebook™ and Flickr™. You can synchronise data automatically for such accounts by activating the auto-sync function, or you can synchronise each account manually.

To set up an online account for synchronisation

- 1 Tap **Settings > Users & accounts > Add account**, then select the account that you want to add.
- 2 Follow the on-screen instructions to create or sign in to an account.

To synchronise manually with an online account

- 1 Find and tap **Settings > Users & accounts**.
- 2 Tap the name of the account that you want to synchronise with, then tap **Account sync**. A list of items appears showing what can be synchronised with the account.
- 3 Tap the item that you want to synchronise.

To remove an online account

- 1 Find and tap **Settings > Users & accounts**.
- 2 Select the account, then tap **Remove account**.
- 3 Tap **Remove account** again to confirm.

Synchronising with Microsoft Exchange ActiveSync

If your company uses a Microsoft Exchange ActiveSync account, you can access your corporate email messages, calendar appointments and contacts directly on your device. After setup, you can find your information in the Email, Calendar and Contacts applications.

- 💡 If you have set up a Microsoft Exchange ActiveSync (EAS) account on your Xperia device, the EAS security settings may limit the lock screen type to only a PIN or password. This occurs when your network administrator specifies a lock screen type for all EAS accounts for enterprise security reasons. Contact the network administrator of your company or organisation to check what network security policies are implemented for mobile devices.

To set up an EAS account for synchronisation

- 1 Tap **Settings > Users & accounts > Add account > Exchange ActiveSync**.
- 2 Enter your corporate email address and password.
- 3 Tap **NEXT**. If a failure occurs, enter the domain and server details for your account manually and then tap **NEXT**.
- 4 Follow the on-screen instructions to complete the setup.
- 5 Tap **Show more sync options** to select a synchronisation method, a synchronisation interval and the data that you want to sync with your device.
- 6 Tap **NEXT**, then select how you want to be notified when a new email arrives.
- 7 Tap **NEXT**, enter a name for the corporate account, then tap **Finish setup**.
- 8 If prompted, activate the device administrator to allow your corporate server to set certain security rules on your device, such as disabling voice recording and using storage encryption.

To remove an EAS account

- 1 Find and tap **Settings > Users & accounts**.
- 2 Select the EAS account that you want to remove.
- 3 Tap **Remove account**.
- 4 Tap **Remove account** again to confirm.

Basic settings

Accessing settings

View and change settings for your device from the Settings menu. The Settings menu is accessible from both the Application screen and the Quick settings panel.

To open the device settings menu from the Application screen

- Find and tap **Settings**.

To view information about your device

- Find and tap **Settings > System > About device**.

To open the Quick settings panel

- Using two fingers, drag the status bar downwards.

To select which settings to display on the Quick settings panel

- 1 Using two fingers, drag the status bar fully downwards, then tap .
- 2 To add a setting to the Quick settings panel, drag and drop the icon into the upper part of the screen. To remove a setting, drag and drop the icon into the lower part of the screen.

To rearrange the Quick settings panel

- 1 Drag the status bar fully downwards, then tap .
- 2 Touch and hold an icon, then move it to the desired position.

Volume and sound

The volume can be changed either by using the volume keys or by changing a setting. Sounds and tones can only be changed from a setting.

- ! App settings can override the selected volume and sound settings.

To adjust the media playing volume with the volume key

- When playing music or watching video, press the volume key up or down even when the screen is locked.

To adjust the volume levels

- 1 Find and tap **Settings > Sound**.
 - 2 Drag the volume sliders to the desired positions.
- ! You can also press the volume key up or down and tap  to adjust the notification, media playback or alarm volume levels separately.

To set the notification sound

- 1 Find and tap **Settings > Sound > Notification sound**.
 - 2 Select a sound from the list or select **None** to turn off all notification sounds.
 - 3 To select a music file that is saved on your device, tap .
 - 4 To confirm, tap **DONE**.
- ! You can change your app settings to allow a sound from a specific app even when the notification sound is set to None. See *Notifications* on page 25.

To enable or disable other sounds and tones

- 1 Find and tap **Settings > Sound > Advanced**.
- 2 Tap the sliders to enable or disable the different sounds and tones.

Silence your device with Do not disturb

By activating Do not disturb you can mute sounds and limit visual indications for the situations when you do not want to be disturbed, for example at night.

To activate Do not disturb

- 1 Using two fingers, drag the status bar fully downwards to access the Quick settings panel.
- 2 Tap .
- 3 Select the limitation level by tapping **Total silence**, **Alarms only** or **Priority only**.
- 4 Set how long you want **Do not disturb** to be activated and tap **DONE**.

To deactivate Do not disturb

- 1 Press the volume key up.
 - 2 If **Priority only** is set, tap **Turn off now**.
-  Do not disturb can also be deactivated by tapping  or  from the Quick settings panel.

Limitation levels

Total silence

All vibrations and all ring, media and alarm sounds are turned off.

Alarms only

The ring sound is turned off. Alarm and media sounds are still on.

Priority only

You only receive the notifications and calls you have selected. Alarm and media sounds are still on.

To set up Priority only

- 1 Find and tap **Settings > Sound > Do not disturb preferences > Allowed in Priority only**.
 - 2 Tap the sliders to activate one or more options.
-  You can allow certain apps to bypass the priority. See *Notifications* on page 25.

To block visual disturbances

- 1 Find and tap **Settings > Sound > Do not disturb > Block visual disturbances**.
- 2 Tap the sliders to activate one or more options.

Automatic rules

You can set automatic rules to activate Do not disturb mode for specific times or events.

To set an automatic rule

- 1 Find and tap **Settings > Sound > Do not disturb**.
 - 2 Tap an automatic rule, for example **Weekend**.
 - 3 Tap the options to set the rule name, time and behaviours as desired.
 - 4 Tap the slider to activate the rule.
-  To create a new rule, tap Add more and follow the on-screen instructions.

Screen settings

You can change the screen's behaviour, brightness, viewing size and quality. For example, select a bigger font or display size for easier reading, change the icons you see in the status bar or select glove mode to navigate your screen with gloves.

If you want to change your background and theme, see *Background and themes* on page 25. To change how long you want to have the screen on before it is turned off, see *Locking and unlocking the screen* on page 19.

To change a screen setting

- 1 Find and tap **Settings > Display**.
- 2 Tap the setting you want to change.
- 3 Use the sliders, checkboxes or additional menus to adjust.

Brightness

Adjust the brightness level with the slider. You can also enable Adaptive brightness to automatically optimise brightness based on surrounding light.

White balance

Use the sliders to adjust the white balance of your display. To revert to the default setting, tap .

Image enhancement

Enhance the quality of photos and videos when viewing them on your device. For example, use Super-vivid mode to make colours appear more vibrant on-screen.

Screen saver

Set up a screen saver that automatically displays colours, photos or a slideshow while your device is docked or charging and the screen is idle. On a device with multiple users, each user can have individual screen saver settings.

Application settings

Some apps will ask for permissions once you start using them. You can allow or deny permissions individually for each app, either from the Settings menu or from the Permission confirm dialog. Permission requirements depend on the app's design.

Allowing or denying permissions

You can choose whether to allow or deny permissions when the dialog is shown. If you have used another Android version previously, most apps will have already been granted the necessary permissions.

To allow a permission

- To allow a permission, tap **Allow**. You can mark the **Don't ask again** checkbox if you wish.

To deny a permission

- To deny a permission, tap **Deny** when the dialog is shown.
-  Some applications can still be used even if you have denied permissions.

Critical permissions

Some permissions are mandatory for apps to work as intended. In such cases, a dialog will inform you.

To configure applications

- 1 Find and tap **Settings > Apps & notifications**.
- 2 Select a configuration option, for example **App info**, then choose an application that you want to configure.

To allow critical permissions

- 1 Find and tap **Settings > Apps & notifications > App permissions**.
- 2 Select an option, then tap the relevant slider to adjust permissions.

Allowing or denying automatic application updates

If the automatic update feature is enabled, your applications get updated without you being asked, so you may not realise that large volumes of data are being downloaded. In order to avoid potentially high data transfer costs, you can disable automatic updates or enable automatic updates only over Wi-Fi connection. You have to disable the automatic update feature in the Play Store app to avoid the automatic updating of apps.

To enable or disable automatic updates for all applications in the Play Store

- 1 Find and tap .
- 2 Tap , then tap **Settings > Auto-update apps**.
- 3 Select the preferred option.

Application linking

Your device can determine the default app to handle a particular web link. This means that if the link is set, you don't need to select an app each time you open a link. You can change the default app any time you want.

To manage app links from the Settings menu

- 1 Find and tap **Settings > Apps**.
- 2 Tap  and find **Opening links**.
- 3 Select an app, and adjust the settings as desired.

Resetting your applications

You can reset an application or clear application data if your application stops responding or causes issues with your device.

To reset application preferences

- 1 Find and tap **Settings > Apps & notifications**.
 - 2 Tap **App info > ⋮ > Reset app preferences**, then tap **Reset apps**.
-  Resetting application preferences does not delete any application data from your device.

To clear application data

- 1 Find and tap **Settings > Apps & notifications > App info**.
 - 2 Select an application or service, then tap **Storage > CLEAR DATA > OK**.
-  When you clear application data, data for the selected application is deleted from your device permanently. The option to clear application data is not available for every application or service.

To clear application cache

- 1 Find and tap **Settings > Apps & notifications > App info**.
 - 2 Select an application or service, then tap **Storage > CLEAR CACHE**.
-  The option to clear the application cache is not available for every application or service.

To clear the application default setting

- 1 Find and tap **Settings > Apps & notifications > App info**.
 - 2 Select an application or service, then tap **Open by default > CLEAR DEFAULTS**.
- ! The option to clear the application default setting is not available for every application or service.

Language settings

You can select a default language for your device and change it again at a later time. You can also change the writing language for text input.

To change the language

- 1 Find and tap **Settings > System > Languages & input > Languages**.
 - 2 To change the language, drag and drop the desired language to the top of the list. If the desired language is not currently listed, tap **+** to add it.
- ! 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 menu that opens. You can then select the language you want.

Date and time

You can change the date and time on your device.

To set the date manually

- 1 Find and tap **Settings > System > Date & time**.
- 2 Disable the **Automatic date & time** function by tapping the slider.
- 3 Tap **Set date**.
- 4 Flick left or right, or use the arrows to set the desired date.
- 5 Tap **OK**.

To set the time manually

- 1 Find and tap **Settings > System > Date & time**.
- 2 Disable the **Automatic date & time** function by tapping the slider.
- 3 Tap **Set time**.
- 4 Select the relevant values for the hour and minute.
- 5 Tap **OK**.

To set the time zone

- 1 Find and tap **Settings > System > Date & time**.
- 2 Disable the **Automatic time zone** function by tapping the slider.
- 3 Tap **Select time zone**.
- 4 Select an option.

Enhancing the sound output

You can enhance the sound of your device by manually enabling individual sound settings such as Equaliser and Surround sound. You can enable the Dynamic normaliser to minimise volume differences between songs or videos.

To enhance the sound output automatically

- 1 Find and tap **Settings > Sound > Audio settings**.
- 2 Enable the **ClearAudio+** function by tapping the slider.

To adjust the sound settings manually

- 1 Find and tap **Settings > Sound > Audio settings**.
 - 2 If the **ClearAudio+** function is enabled, tap the slider to disable it.
 - 3 Tap **Sound effects > Equaliser**.
 - 4 To adjust the sound manually, drag the frequency band buttons. To choose a preset arrangement, tap **∨**, select an arrangement, then tap **OK** to confirm.
- 💡 The manual adjustment of sound output settings has no effect on voice communication applications. For example, there is no change in the voice call sound quality.

To minimise volume differences using the Dynamic normaliser

- 1 Find and tap **Settings > Sound > Audio settings**.
- 2 Enable the **Dynamic normaliser** function by tapping the slider.

Multiple user accounts

Your device supports multiple user accounts so that different users can log in separately to the device and use it. Multiple user accounts work well in situations where you share the device with other people or lend it to someone temporarily. The user who sets up the device for the first time becomes the owner of the device. Only the owner can manage the accounts of other users. Apart from the owner account, there are two different types of accounts:

- **Regular User:** This account type is suitable for someone who regularly uses your device.
 - **Guest User:** Enable the guest account option for someone who just wants to use your device temporarily.
- ! Some features are only available to the owner. For example, only the owner can allow downloads from sources other than Google Play™.
- 💡 You can create an account for family usage and set restrictions if necessary. For example, set a password requirement for shopping in the Google Play Store™.

About the Regular User account

By adding Regular User accounts, you can allow different users to have different home screens, wallpapers and general settings. They also get separate access to applications and memory storage for files such as music and photos. You can add up to seven regular user accounts on your device.

To add a regular user account

- 1 Make sure you are logged in as the owner, that is, the user who set up the device for the first time.
 - 2 Find and tap **Settings > Users & accounts > Users > Add user or profile**.
 - 3 Tap **OK**. The new account is created.
 - 4 Tap **Set up now**. The screen locks and an icon representing the newly added user appears in the top right corner.
 - 5 Unlock the screen by swiping upwards.
 - 6 Follow the on-screen instructions to set up the account for the user.
- 💡 You can also add a regular user account from the status bar on any screen. Just drag the status bar fully downwards and tap the user icon, then tap Add user.

To delete a regular user account from your device

- 1 Make sure you are logged in as the owner.
- 2 Find and tap **Settings > Users & accounts > Users**.
- 3 Tap **⚙️** beside the name of the user that you want to delete, then tap **Remove user > DELETE**.

About the Guest User account

If someone just wants to use your device temporarily, you can enable a guest account for this user. In guest mode, your device starts up as a freshly installed system with only the pre-installed apps. Once your guest is finished using your device, you can wipe the session clean so that the next guest can start fresh. The guest user account is pre-installed and cannot be deleted.

To activate the guest user account

- 1 Make sure you are logged in as the owner, that is, the user who set up the device for the first time.
- 2 Drag the status bar downwards using two fingers and tap .
- 3 Tap **Add guest**.

To clear the guest session data

- 1 Make sure you are logged in to the guest account.
- 2 Find and tap **Settings > Users & accounts > Users**.
- 3 Find and tap **Remove guest**.
- 4 Tap **Remove**.

 You can also clear the guest session from the status bar on any screen as long as you are logged in to the guest account. Just drag the status bar downwards and tap , then tap Remove guest.

Switching between multiple user accounts

To switch between multiple user accounts

- 1 To view the list of users, drag the status bar downwards using two fingers then tap .
- 2 Tap the icon representing the user account that you want to switch to. The lock screen for that user account appears.

 When you switch to the guest account, tap Start again if you want to wipe the previous session or tap Yes, continue to continue the previous session.

Settings for multiple user accounts

There are three different types of settings on devices with multiple users:

- Settings that can be changed by any user and affect all users. Examples include language, Wi-Fi, Airplane mode, NFC and Bluetooth®.
- Settings that only affect an individual user account. Examples include automatic data syncing, screen lock, various accounts added, and wallpaper.
- Settings that are only visible to the owner and affect all users, for example, VPN settings.

Typing text

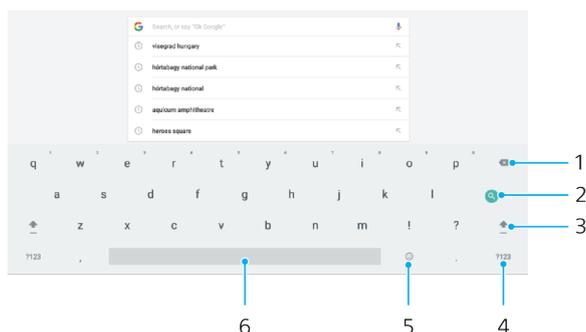
On-screen keyboards

There are a number of pre-installed text entry providers on your device.

- ! The default text entry provider may depend on the regional or language settings you use. One or more text entry providers might not be available in your region.

Google keyboard overview

You can enter text using the on-screen keyboard by tapping each letter individually, or you can slide your finger from letter to letter to form words.



- 1 Tap to delete a character before the cursor.
- 2 Tap to enter a hard return or search the content. Functionality may depend on text field type.
- 3 Tap to switch between lower case, upper case and all caps.
- 4 Tap to display numbers and symbols.
- 5 Tap to access smileys.
- 6 Tap to insert space.

To display the on-screen keyboard to enter text

- Tap a text entry field.

To enter text character by character

- 1 To enter a character visible on the keyboard, tap the character.
- 2 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 enter a full stop

- After you enter a word, double-tap the space bar.

To enter text using the gesture input function

- 1 When the on-screen keyboard is displayed, slide your finger from letter to letter to trace the word that you want to write.
- 2 After you finish entering a word, lift up your finger. A word suggestion appears based on the letters that you have traced.
- 3 If the word that you want does not appear, tap ✕ to see other options and select accordingly. If the desired option does not appear, delete the entire word and trace it again, or enter the word by tapping each letter individually.

To enable or disable Glide typing

- 1 Find and tap .
- 2 Tap **System** > **Languages & input**.
- 3 Tap **On-screen keyboard**, then select **Gboard**.
- 4 Find and tap **Glide typing**, then tap the **Enable glide typing** slider.

Editing text

You can select, cut, copy and paste text as you write. Double-tap on the written text to make editing options appear on the application bar.

Text editing bar

After selecting text by double-tapping on a word, an editing bar appears with several tools available:

- **Cut**
- **Copy**
- **Paste**
- **Share**
- **Select all**

! The Paste option only appears when you have text saved on the clipboard.

To select text

- 1 Double-tap a word to highlight it.
- 2 You can drag the tabs on both sides of the highlighted word to select more text.

To edit text

- 1 Double-tap a word to make the application bar appear.
- 2 Select the text that you want to edit, then use the application bar to make your desired changes.

Auto-fill

Auto-fill helps you save time when filling out forms. When you enable an Autofill service, information such as names, phone numbers, addresses, credit card information and more is saved for re-use. Auto-fill with Google is enabled by default, but you can disable it or change to another app as desired.

To select an auto-fill app

- 1 Find and tap **Settings** > **System** > **Languages & input**.
- 2 Tap **Advanced** > **Autofill service**.
- 3 Select an option or tap **+** to download a different Autofill service.

Weather and clock

Weather and clock settings

When you first turn on your device or if you are offline, only the basic weather and time are displayed on your Home screen. Once you connect to the internet, you can select from custom options including temperature, humidity, UV index and clock style.



- 1 Weather information
- 2 Clock
- 3 Tap to set up

To set weather information details for the first time

- 1 From your Home screen, tap **Tap to set up**.
- 2 Tap the feature you want to set and select the desired option.

To set the clock display format

- 1 From your Home screen, tap **Tap to set up**.
- 2 Tap **Clock style** and select the desired display format.

Weather and clock overview



- 1 Weather information
- 2 Clock
- 3 Weather and clock settings

To customise weather information details

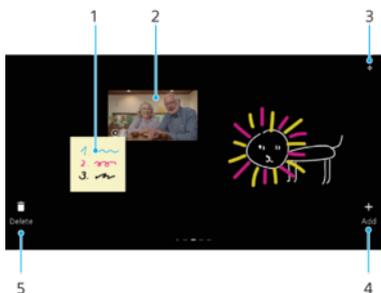
- 1 Find and tap **⚙**.
- 2 Tap the feature you want to set and select the desired option.

To customise the clock display format

- 1 Find and tap **⚙**.
- 2 Tap **Clock style** and select the desired display format.

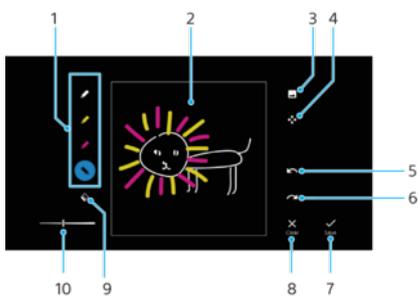
Board

Memos on the Board overview



- 1 Edit a memo
- 2 Play back a memo
- 3 Tap to edit your memos
- 4 Create a new memo or video memo
- 5 Delete a memo

Writing pad window overview



- 1 Change the pen colour
- 2 Write or draw on the board
- 3 Add a photo or image
- 4 Zoom in or out
- 5 Undo the previous action
- 6 Redo the operation that was undone
- 7 Save your memo
- 8 Discard your memo
- 9 Use the eraser
- 10 Change the pen or eraser width setting

To create a memo in handwriting

- 1 From your **Home screen**, flick the screen to display the Board.
- 2 Find and tap **+ >** .
- 3 Create your memo and tap **Save**. The created memo is now added to the Board.

To create a video memo

- 1 Make sure that the projector is oriented to project the screen onto a wall. This way the camera lens is turned towards you.
- 2 From your **Home screen**, flick the screen to display the Board. Tap + > .
- 3 Tap  to start recording. To pause tap .
- 4 Tap  to stop recording.

To zoom on a memo

- 1 From your **Home screen**, flick the screen to display the Board.
- 2 Tap .
- 3 Touch and hold the memo, then pinch in or out to zoom.

To move a memo

- 1 From your **Home screen**, flick the screen to display the Board.
- 2 Tap .
- 3 Touch and hold a memo, then drag it to the desired position.

To delete a memo

- 1 From your **Home screen**, flick the screen to display the Board. Find the photo or video that you want to delete.
- 2 Tap .
- 3 Tap  on the memo you want to remove.

To back up Board app data to an SD card

- 1 From your **Home screen**, flick the screen to display the Board.
- 2 Find and tap , then tap .
- 3 Select **Back up memos**, then tap **Back up**.

To restore Board app data from an SD card

- 1 From your **Home screen**, flick the screen to display the Board.
- 2 Find and tap , then tap .
- 3 Select **Restore memos**, then tap **Restore**.

Calendar

Calendar overview

You can use the Calendar application to manage and integrate calendars from online accounts synchronised to your device. Select which calendars you want to integrate in the Combined calendar view. You can also set the weather forecast to be displayed.

When an appointment time approaches, your device plays a notification sound to remind you.



- 1 Selected month
- 2 Selected day
- 3 Saved event
- 4 Current day
- 5 Settings
- 6 Access weather information
- 7 Saved events for the selected day
- 8 Add a new event

To synchronise with Google Calendar

- 1 From your **Home screen**, flick the screen to display the Calendar.
- 2 Tap **Sync with the calendar schedule**.

To create a Calendar event

- 1 From your **Home screen**, flick the screen to display the Calendar.
- 2 Tap **+**.
- 3 Enter or select the desired information for the event and reminder.
- 4 Tap **Save**.

To view a Calendar event

- 1 From your **Home screen**, flick the screen to display the Calendar.
- 2 Tap an underlined date. The event information will be displayed beside the calendar.

To edit a Calendar event

- 1 From your **Home screen**, flick the screen to display the Calendar.
- 2 Tap a listed event beside the calendar, then tap .

To dismiss an event reminder

- 1 When the reminder appears in the status bar, drag the status bar downwards. The Notification panel opens.
- 2 Tap the event notification.
- 3 Press .

To change the Calendar settings

- 1 From your **Home screen**, flick the screen to display the Calendar, then tap .
- 2 Select the desired settings for the displayed days of the week and for the weather forecast.

Video call

Using video call

You can make video calls using Skype. Sign in to your Skype account, then register a new contact's Skype account or select from saved ones in the Contacts application. You can have up to eight registered contacts.

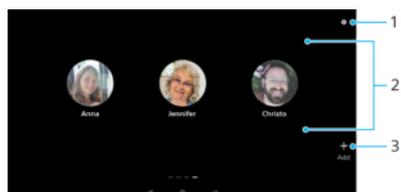
To register new contacts with a Skype account

- 1 From the **Home screen**, flick the screen to display the Video call widget.
 - 2 To add a new account tap the application widget, then tap **+**.
 - 3 Enter the first name, last name and Skype name, then tap **→**.
- ! Registered Skype accounts are saved in the Contacts application. If you edit or delete contacts here, they are edited or deleted in the Video call as well.
- 💡 To set your profile picture, tap the Contacts icon in the new account creation window.

To register saved contacts to the Video Call

- 1 From the **Home screen**, flick the screen to display the Video call widget.
- 2 To list contacts with Skype accounts, tap **⚙** in the upper right corner.
- 3 Tap the checkbox beside contacts you want to register.
- 4 To display registered contacts with a Skype account, tap **◀**.

Video call overview



- 1 Settings icon
- 2 Contacts with Skype account
- 3 Add a new Skype account

To start a Video call

- 1 From the **Home screen**, flick the screen to display the Video call widget.
- 2 To start a video call, select a contact, then tap **OK**.

Voice control

Using Voice control

Voice control responds to your voice with screen display or spoken content. For example you can give voice commands using phrases such as "Alarm" or "Check schedule" to set the alarm or timer, search for information, or receive Calendar notifications.

- ! You can set the voice interaction language to English, German, French, Spanish, Italian, or Russian.

To make initial settings for Voice control

- 1 Find and tap **Voice control**.
- 2 Read the legal information, then tap **I agree**.
- 3 Select a language, then tap **NEXT**.
- 4 When the voice data download is complete, tap **NEXT** and follow the on-screen instructions.
- 5 When the **Speaking to the device** screen appears, tap **NEXT**.
- 6 Speak out the requested sentences.
- 7 To finish the set-up, tap **DONE**.

Voice control settings overview

Voice interaction language	Sets the language for Voice control.
Interaction preference	Set the style of interaction.
Preferred map app	Choose your preferred map app.
Magic Word (app launcher)	Add, edit, and delete custom trigger words for installed apps.
Voice notifications	Select which apps you would like to hear notifications for.
Privacy protection	Prevent Voice control from accessing private information. If switched on, video calls and schedule notifications will be blocked.

To adjust your voice control settings

- 1 Find and tap .
- 2 Tap , then tap **Settings**.
- 3 Adjust the settings as desired.

To speak to the device

- 1 Find and tap **Voice control**.
- 2 Give a voice command using the example phrases.
- 3 Depending on the content, the device responds with voice sound or displays your request.
- 4 To end the conversation, say **Cancel** or tap .

Example phrases

Check the date	"Date", "What's the date today?"
Check the time	"Clock", "What time is it now?", "What's the time?"
Check the weather forecast	"Weather", "What's the weather like in New York?", "Is it going to rain in New York tomorrow?"
Make a call (video call through Skype)	"Make a call", "Call John", "Skype Mary".
Check events in your calendar	"Check schedule", "What's my next event?", "Do I have anything tomorrow?"

Schedule new events in your calendar	"Create an event", "Add an event for tomorrow", "Create an event for tomorrow at 10 a.m."
Set the alarm	"Alarm", "Wake me up at 6", "Wake me up".
Set the timer	"Timer", "Set the timer", "Set the timer for three minutes".
Check the news	"News", "Read the news", "Tell me the news".
Web search	"Do a web search", "Search for Jupiter ", "Web search for the Statue of Libery".
Play music	"Music", "Play music", "Play [Artist]", "Play [Album Title]", "Play the song [Song Title]".
App launch	"Open an app", "Launch [Magic Word]", "Open [Magic Word]".
Route search	"Route search", "How do I get to Central Park from Times Square?", "Show me how to get to the Empire State Building".
Show map	"Open the map", "I'd like to see the map", "Show me a map of New York".

Contacts

Adding and editing contacts

You can add, edit or delete contacts on your device. Add contact pictures to personalise contacts. You can also edit contact information about yourself.

To add a contact

- 1 Find and tap .
 - 2 Tap .
 - 3 If you're adding a contact for the first time and have multiple accounts synchronised to your device, select an account. This becomes the default account for saving your contacts. Later you can select where to save the contact by tapping  > **Saving to**.
 - 4 Enter or select the desired information for the contact.
 - 5 When you're finished, tap **Save**.
- ! To change the default setting for saving your contacts, tap  and select the new account. Alternatively, select Phone contact to save contacts only to your device. To move an existing contact to a new account, you must create the contact again and save it to the new account.
- 💡 If you add a plus sign and the country code before a contact's phone number, you do not have to edit the number again when you make calls from abroad.

To edit a contact

- 1 Find and tap .
 - 2 Tap the contact that you want to edit, then tap .
 - 3 Edit the desired information.
 - 4 When you are finished, tap **Save**.
- ! Some synchronisation services do not allow you to edit contact details.

To add or remove a contact picture

- 1 Find and tap .
 - 2 Tap the contact that you want to edit, then tap .
 - 3 Tap , then select an option.
 - 4 After the picture is updated, tap **Save**.
- 💡 You can also add a picture to a contact directly from the Album application. If you want to add a picture that is saved to an online account, you must download the picture first.

To delete contacts

- 1 Find and tap .
- 2 Touch and hold the contact that you want to delete.
- 3 Tap , then tap **DELETE**.
- 4 To delete several or all contacts, mark the checkboxes beside the contacts that you want to delete.
- 5 Tap , then tap **DELETE**.

To edit contact information about yourself

- 1 Find and tap .
- 2 Tap  > **My info**.
- 3 Tap , then enter the new information or make the changes you want.
- 4 When you are finished, tap **Save**.

Grouping contacts

You can create contact labels to organize groups of related contacts. You can name your groups as "Family" or "Friends" to differentiate them from your other contacts.

To create a new label for a group

- 1 Find and tap .
- 2 Tap , then tap **Create label**.
- 3 Select where to store your contacts.
- 4 Type a Label name, then tap **OK**.

To delete a group label

- 1 Find and tap .
- 2 Tap , then tap the label you want to delete.
- 3 Tap , then tap **Delete label**.

Transferring contacts

There are several ways to transfer contacts to your new device. You can sync contacts from an online account or import contacts directly from another device.

If you sync the contacts in your old device with an online account, you can transfer your contacts to your new device using that account.

You can also copy contacts to a memory card or use Bluetooth technology. For more specific information about transferring the contacts from your old device, refer to the relevant User guide.

Find out more about choosing a transfer method at <http://support.sonymobile.com/>

Transferring contacts using an online account

If you sync the contacts in your old device or your computer with an online account, for example, Google Sync™ or Microsoft® Exchange ActiveSync®, you can transfer your contacts to your new device using that account.

To turn auto-sync data on or off

- 1 Find and tap .
 - 2 Tap , then tap **Settings**.
 - 3 Tap **Accounts**, then tap the **Automatically sync data** slider to enable or disable the function.
 - 4 Tap **OK**.
- ! You need to be signed in to the relevant sync account before you can sync your contacts with it.

Other methods for transferring contacts

There are several other ways to transfer contacts from your old device to your new device. For example, you can copy contacts to a memory card, or use Bluetooth technology. For more specific information about transferring the contacts from your old device, refer to the relevant User guide.

To import contacts from a memory card

- 1 Find and tap .
- 2 Tap , then tap **Settings** > **Import** > **SD card or internal storage (.vcf file)**.
- 3 Select where to store your contacts.
- 4 Tap , then select **SD card**.
- 5 Select the files that you want to import by tapping them.

To import contacts using Bluetooth technology

- 1 Make sure you have the Bluetooth function turned on and that your device is set to visible.
- 2 When you are notified of an incoming file to your device, drag the status bar downwards and tap the notification to accept the file transfer.
- 3 Tap **Accept** to start the file transfer.
- 4 Drag the status bar downwards. When the transfer is complete, tap the notification.
- 5 Tap the received file and select where to store your contacts.

Backing up contacts

You can use internal storage or a memory card to back up contacts.

To export all contacts to a memory card

- 1 Find and tap .
- 2 Tap  > **Settings** > **Export** > **to SD card or internal storage (.vcf file)**.
- 3 Tap  > **SD card**.
- 4 Select a destination folder, then tap **Save**.

To export all contacts to internal storage

- 1 Find and tap .
- 2 Tap  > **Settings** > **Export** > **to SD card or internal storage (.vcf file)**.
- 3 Tap  > **Show internal storage**.
- 4 Tap , then tap your device's model number beside .
- 5 Select a destination folder or simply tap **Save**.

Email

Setting up email

Use the email application on your device to send and receive email messages through your email accounts. You can have one or several email accounts at the same time, including corporate Microsoft Exchange ActiveSync accounts.

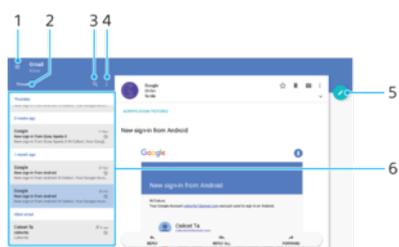
To set up an email account

- 1 Find and tap .
 - 2 Follow the instructions that appear on the screen to complete the setup.
- ! For some email services, you may need to contact your email service provider for information on detailed settings for the email account.

To add an extra email account

- 1 Find and tap .
- 2 Tap , then tap **Settings > Add account**.
- 3 Follow the on-screen instructions. If the settings for the email account cannot be downloaded automatically, complete the setup manually.
- 4 When you are finished, tap **NEXT**.

Sending and receiving email messages



- 1 View the menu and a list of all email accounts and folders
- 2 Sort email messages
- 3 Search for email messages
- 4 Access other options
- 5 Write an email message
- 6 List of email messages

To download new email messages

- When the email inbox is open, swipe downwards on the message list.
- ! Before trying to download new email messages, make sure that you have a working data connection.

To read your email messages

- 1 Find and tap .
- 2 If you are using several email accounts, tap , then tap  and select the account that you want to check. If you want to check all your email accounts at once, tap , then tap  and select **Combined inbox**.
- 3 In the email inbox, scroll up or down and tap the email message that you want to read.

To create and send an email message

- 1 Find and tap .
- 2 If you are using several email accounts, tap , then tap  and select the account from which you want to send the email.
- 3 Tap , then type the recipient's name or email address and select one or more recipients from the drop-down list.
- 4 Enter the email subject and message text, then tap .

To reply to an email message

- 1 In your email inbox, find and tap the message that you want to reply to, then tap **REPLY** or **REPLY ALL**.
- 2 Enter your reply, then tap .

To forward an email message

- 1 In your email inbox, find and tap the message that you want to forward, then tap **FORWARD**.
- 2 Enter the recipient's name or email address, then select one or more recipients from the drop-down list.
- 3 Enter your message text, then tap .

To save or view an email message attachment

- 1 Find and tap the email message containing the attachment that you want to view. Email messages with attachments are indicated by .
- 2 After the email message opens, find the attachment in the email body, then tap **Save** or **VIEW** next to it.

To save a sender's email address to your contacts

- 1 Find and tap a message in your email inbox.
- 2 Tap the name of the sender, tap **Add to contacts** then tap **OK**.
- 3 Select an existing contact, or tap **Create new contact**.
- 4 Edit the contact information if desired, then tap **Save**.

Organising your email messages

To sort your emails

- 1 Find and tap .
- 2 If you are using several email accounts, tap , then tap  and select the account containing the email that you want to sort. If you want to sort email in all your email accounts at once, tap , then tap  and select **Combined inbox**.
- 3 Tap , then select a sorting option.

To search for emails

- 1 Find and tap .
- 2 If you are using several email accounts, tap , then tap  and select the account that you want to search. If you want to search all your email accounts at once, tap , then tap  and select **Combined inbox**.
- 3 Tap .
- 4 Enter your search text.
- 5 The search results appear in a list sorted by date. Tap the email message that you want to open.

To view all folders for one email account

- 1 Find and tap .
- 2 Tap , then tap  and select the account that you want to check.
- 3 Under the account that you want to check, select **Show all folders**.

To delete email messages

- 1 Tap and hold the message that you want to delete until the checkboxes appear.
 - 2 Mark the checkboxes for the messages that you want to delete.
 - 3 Tap 
- ! You can also flick the message to the right to delete it.

To move an email message to another folder

- 1 In your email inbox, flick the message that you want to move to the left.
- 2 Tap **Move**, then select a folder.

Email account settings

To remove an email account from your device

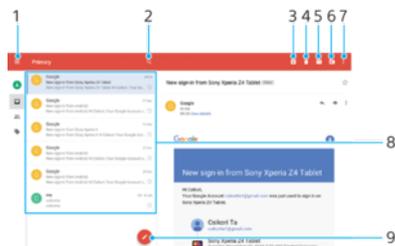
- 1 Find and tap .
- 2 Tap , then tap **Settings**.
- 3 Select the account you want to remove.
- 4 Tap **Delete account** > **OK**.

To change the inbox check frequency

- 1 Find and tap .
- 2 Tap , then tap **Settings**.
- 3 Select an account.
- 4 Tap **Check frequency** > **Check frequency** and select an option.

Gmail

If you have a Google account, you can use the Gmail application to read and write email messages.



- 1 View a list of all Gmail accounts and folders
- 2 Search for email messages
- 3 Archive an email message
- 4 Delete an email message
- 5 Mark an email message as unread
- 6 Move an email message to a folder
- 7 Access settings and options
- 8 List of email messages
- 9 Write an email message

To learn more about Gmail

- When the Gmail application is open, tap , then find and tap **Help & feedback**.

Music

Transferring music to your device

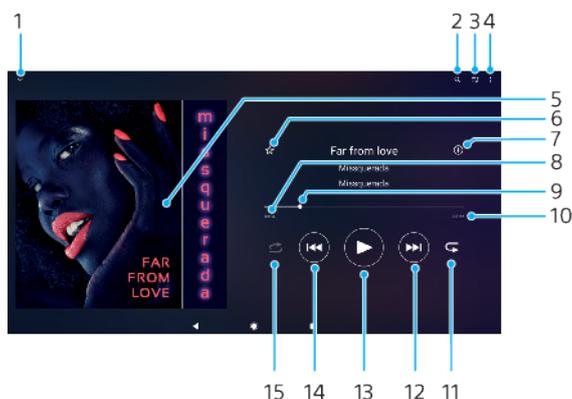
There are two ways to transfer music from a computer to your device:

- Connect your device to a computer using a USB Type-C cable. Select Transfer files on your device and then copy and paste or drag and drop the files using the computer. See *Managing files using a computer* on page 32.
 - You can use the Xperia™ Companion software to transfer your media files between the computer and your device. Learn more and download Xperia™ Companion for Windows or Mac at <http://support.sonymobile.com/global-en/xperia-companion/>.
- ! The Music application may not support all music file formats. For more information about supported file formats and the use of multimedia (audio, image and video) files, download the White paper for your device at <http://www.sonymobile.com/support/>.

Listening to music

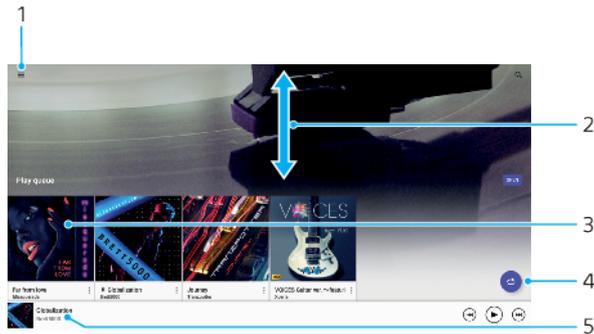
Use the Music application to listen to your favourite music and audio books.

Music player overview



- 1 Minimise the full screen player
- 2 Search all songs saved to your device
- 3 View the play queue
- 4 View menu options
- 5 Album art (if available)
- 6 Add or remove a song as a favourite
- 7 Elapsed time of current song
- 8 Add a song to a playlist
- 9 Progress indicator – drag or tap along the line to fast-forward or rewind
- 10 Length of current song
- 11 Repeat the current song or all songs in the play queue
- 12 Tap to go to the next song, touch and hold to fast-forward the current song
- 13 Play or pause a song
- 14 Tap to go to the previous song, touch and hold to rewind the current song
- 15 Shuffle songs in the play queue

Music home screen



- 1 Tap ≡ to open the Music menu
- 2 Scroll up or down to view content
- 3 Tap to start playing a song in the play queue
- 4 Play all songs in shuffle mode
- 5 Go to the music player screen

To play a song using the Music application

- 1 Find and tap .
- 2 Tap ≡.
- 3 Select a music category.
- 4 Tap a song to play it.

- ! You might not be able to play copyright-protected items. Make sure that you have the necessary rights for the content you wish to use.

To find song-related information online

- While a song is playing in the Music application, tap the album art in the music player screen and then tap **More about this**.
- 💡 Online resources related to the song can include videos on YouTube™, song lyrics, and artist information on Wikipedia.

To edit music information and download album art

- 1 While a song is playing in the Music application, tap the album art in the music player screen and then tap **Edit music info**.
 - 2 Edit the information as desired.
 - 3 To set or download album art, tap , then select an option.
 - 4 When you are finished, tap **Save**.
- 💡 You can also set album art to download automatically in the Music menu, under Settings.

To adjust the audio volume

- Press the volume key up or down.

To minimise the Music application

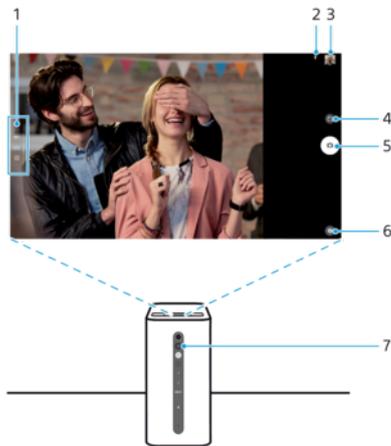
- When a song is playing, tap  to go to the **Home screen**. The Music application keeps running in the background.

To open the Music application when it is playing in the background

- While a song is playing in the background, drag the status bar downwards and tap the Music notification.
- Alternatively, find and tap .

Camera

Taking photos and recording videos



- 1 Select capturing mode
- 2 Save location
- 3 View photos and videos
- 4 Self-timer
- 5 Shutter button – Take photos  or record videos 
- 6 Capturing mode settings
- 7 Camera lens

- ! If you switch the projection mode from table to wall when using the Camera application, the image will be projected upside down. To reorientate the projected image, exit the camera and re-open it.
- 💡 To go back a step or exit the camera, swipe up from the bottom of the screen to make the navigation keys appear, then tap .

To take a photo from the lock screen

- 1 To activate the screen, briefly press the power key.
- 2 To activate the camera, touch and hold , then swipe it anywhere.
- 3 After the camera opens, tap .

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

- 1 Activate the camera.
- 2 Move the subject towards the front of the camera.
- 3 Tap the on-screen camera button . The photo is taken as soon as you release the camera button.

To use the zoom function

- When the camera is activated, pinch or spread on the camera screen.
- You can also use the volume key, pressing up or down. To enable this function, tap  then tap **More > Use Volume key as > Zoom**.

To record a video

- 1 Activate the camera.
- 2 If video mode is not selected, swipe the screen to select .
- 3 Move the subject towards the front of the camera.
- 4 To start recording, tap .
- 5 To pause when recording a video, tap . To resume recording, tap .
- 6 To stop recording, tap .

To take a photo when recording a video

- To take a photo while recording a video, tap . The photo is taken as soon as you release the camera button.

To view your photos and videos

- 1 Activate the camera, then tap a thumbnail to open a photo or video.
- 2 Flick left or right to view your photos and videos.

To delete a photo or video

- 1 Find the photo or video that you want to delete.
- 2 Tap the screen to display the toolbar.
- 3 Tap .
- 4 Tap **Delete** to confirm.

General camera settings

Capturing modes overview

You can choose from a range of capturing modes. Simply swipe up or down on the camera screen to switch between them.

-  **Manual**
Manually adjust camera settings such as resolution and white balance.
-  **Superior auto**
Optimise your settings to suit any scene.
-  **Video camera**
Manually adjust video settings to suit any scene.
-  **Camera apps**
Download camera applications manually.

 To learn more about how to take better photos, go to support.sonymobile.com.

Downloading camera applications

You can download free or paid camera applications from Google Play™ or other sources. Before you start downloading, make sure that you have a working internet connection, preferably over Wi-Fi to limit data traffic charges.

Auto face detection

The camera automatically detects faces and indicates them with frames. The face selected for focus is indicated by a coloured frame, closest to the centre. To focus on a different face, tap one of the other frames.

Auto-capturing

Turn on auto-capturing to take pictures automatically using one of the options below.

Smile Shutter

Use Smile Shutter™ technology to photograph a face just as it smiles. The camera detects up to five faces and selects one face for smile detection and auto focus. When the selected face smiles, the camera automatically takes a photo.

Off

When auto-capturing is off, you can take photos using the shutter button.

To take a photo using Smile Shutter™

- 1 Activate the camera.
- 2 Tap .
- 3 Find and tap **Auto-capturing > Smile Shutter**.
- 4 Point the camera at your subject. The camera selects which face to focus on.
- 5 The face appears inside a coloured frame and the photo is taken automatically as soon as a smile is detected.
- 6 If no smile is detected, press the shutter button to take the photo manually.

Touch capture

With Touch capture, simply tap anywhere on the camera screen to take a photo.

On

Tap the screen to take a photo.

Off

When Touch capture is off, you can take photos using the shutter button.

Auto photo/video preview

You can choose to preview photos or videos just after you shoot them.

On

After you shoot a photo or a video, a preview of it appears in the lower right corner of the screen for 3 seconds.

Off

The photo or video is saved after you shoot it, and no preview appears.

Use Volume key as

You can choose how you want to use the volume key when taking photos.

Zoom

Use the volume key to zoom in or out.

Volume

Use the volume key to adjust the volume of notifications and music.

Shutter

Use the volume key to take photos.

Sound

When you take a photo or start recording a video, the Camera makes a shutter sound. If you use the self-timer, it will make a series of beeps to mark the countdown. You can choose to turn these sounds on or off.

Data storage

You can choose to save your data either to a removable SD card or to your device's internal storage.

Internal storage

Photos or videos are saved on the device memory.

SD card

Photos or videos are saved on the SD card.

Grid lines

You can use grid lines as a visual aid while shooting to help you find the right composition for your photo.

- 💡 Grid lines are only shown on the camera screen while shooting, and do not appear in the final photo.

To adjust colour and brightness

- 1 Activate the camera.
 - 2 Tap  > **Colour and brightness**.
 - 3 Drag the sliders to the desired positions to adjust colour and brightness.
- ! This setting is only available in the Superior auto and Video camera modes.

White balance and exposure

White balance, which is only available in **Manual** capturing mode, adjusts the colour balance according to the lighting conditions. You can also adjust the exposure manually in the -2.0 EV to +2.0 EV range. For example, you can increase the image brightness or decrease the overall exposure by tapping the plus or minus controls accordingly when  is displayed. Focus and shutter speed can be set for either manual or automatic adjustment.

White balance



Auto

Adjust the colour balance automatically.



Incandescent

Adjust the colour balance for warm lighting conditions, such as under light bulbs.



Fluorescent

Adjust the colour balance for fluorescent lighting.



Daylight

Adjust the colour balance for sunny outdoor conditions.



Cloudy

Adjust the colour balance for a cloudy sky.

Still camera settings

To adjust the still camera settings

- 1 Activate the camera.
- 2 To display all settings, tap .
- 3 Select the setting that you want to adjust, then edit as desired.

Still camera settings overview

Resolution

Choose between several resolutions and aspect ratios before taking a photo. A photo with a higher resolution has a higher quality, but requires more memory.

13MP

4160×3120 (4:3)

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

10MP

4192×2358 (16:9)

10 megapixel resolution 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 device. Use this function to take self-portraits or group photos with everyone in the photo. You can also use the self-timer if you want to avoid shaking the camera when taking photos.

10 sec. delay

A photo is taken ten seconds after you press the shutter button or camera key.

3 sec. delay

A photo is taken three seconds after you press the shutter button or camera key.

Off

The photo is taken instantly when you press the shutter button or camera key. There is no delay.

HDR

Use the HDR (High Dynamic Range) setting to take a photo against strong back light or in conditions where the contrast is sharp. HDR compensates for the loss of detail and produces a picture that is representative of both dark and bright areas.

- ! This setting is only available in **Manual** capturing mode.

Video camera settings

To adjust the video camera settings

- 1 Activate the camera.
- 2 Swipe the screen to select .
- 3 To display settings, tap .
- 4 Select the setting that you want to adjust, then make your changes.

Video camera settings overview

Video resolution

Adjust the video resolution for different formats. HD refers to High Definition, while FPS refers to Frames Per Second. A higher FPS rate provides a smoother video, at the cost of a larger file size.

Full HD (30 fps)

1920×1080 (16:9)

Full HD (Full High Definition) format with 30 FPS and 16:9 aspect ratio.

HD

1280×720 (16:9)

HD (High Definition) format with 16:9 aspect ratio.

VGA

640×480 (4:3)

VGA format with 4:3 aspect ratio.

Smile Shutter (video)

Using the Smile Shutter™ feature the camera automatically takes snapshots of smiling faces while you continue to record your video. You can set Smile Shutter to react to big, average or small smiles.

To turn on Smile Shutter (video)

- 1 Activate the camera.
- 2 Tap .
- 3 Find and tap **More > Auto-capturing (video) > Smile Shutter**.

Further Camera support information

Use the Help menu to search for camera-related tests and other useful information. To access support, follow the steps below.

- 1 Open the camera application.
- 2 Tap  then tap **More > Help & feedback**

Photos and videos in Album

Viewing photos and videos

Use the Album application to view photos and play videos that you've taken with your camera, or to view similar content that you've saved to your device. All photos and videos are displayed in a chronologically ordered grid.

Album overview



- 1 Tap ≡ to open the Album home screen menu
- 2 View menu options
- 3 View a slideshow of your photos and videos
- 4 Drag the left edge of the screen to the right to open the Album home screen menu
- 5 View the date of items in the group
- 6 Tap a photo or video to view it
- 7 Scroll up or down to view content

To view photos and videos

- 1 Find and tap **Album**.
 - 2 Tap a photo or video that you want to view. If prompted, tap ▶.
 - 3 Flick left to view the next photo or video. Flick right to view the previous photo or video.
- ! The Album application may not support all file formats. For more information about supported file formats and the use of multimedia (audio, image and video) files, download the White paper for your device at www.sonymobile.com/support/.

To change the size of the thumbnails

- 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 zoom a photo

- 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, tap the screen to display the toolbars, then tap ⋮ > **Slideshow** to start playing all the photos in an album.
- 2 Tap a photo to end the slideshow.

To play a video

- 1 In Album, find and tap the video that you want to play.
- 2 Tap ▶.
- 3 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.

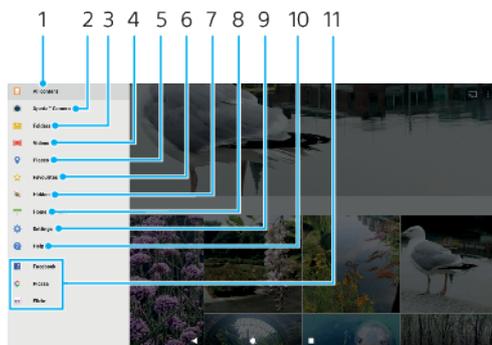
To adjust the sound volume of a video

- Press the volume key up or down.

Album home screen menu

From the Album home screen menu you can browse your photo albums, including photos and videos taken using special effects, as well as content that you have shared online via services such as Picasa™ and Facebook. Once you are logged in to such platforms, you can manage content and view online images. From the Album application, you can also add geotags to photos, perform basic editing tasks, and use methods such as Bluetooth wireless technology and email to share content.

Album menu overview



- 1 Return to the Album application home screen to view all content
- 2 View all photos and videos taken with your device's camera
- 3 View all photos and videos saved on your device in different folders
- 4 View all videos saved on your device
- 5 View your photos on a map or in Globe view
- 6 View your favourite photos and videos
- 7 View photos and videos that you have hidden from view
- 8 View photos and videos on other devices in the same network
- 9 Open the settings menu for the Album application
- 10 Open web support
- 11 View photos from online services

To view photos from online services in Album

- 1 Find and tap **Album**, then tap .
- 2 Tap the desired online service, then follow the on-screen instructions to get started. All available online albums that you have uploaded to the service are displayed.
- 3 Tap any album to view its content, then tap a photo in the album.
- 4 Flick left to view the next photo or video. Flick right to view the previous photo or video.

Sharing and managing photos and videos

You can share photos and videos that are saved on your device. You can also manage photos in batches or link photos to contacts. To free up space and avoid unpredictable data loss, regularly transfer your photos and videos to a computer or external storage device. See *Managing files using a computer* on page 32.

- ! You might not be able to copy, send or transfer copyright-protected items. Some items may not send if the file size is too large.

To share a photo or video

- 1 In Album, find and tap the photo or video that you want to share.
- 2 Tap the screen to display the toolbars, then tap .
- 3 Tap the application that you want to use to share the photo, then follow the steps to send it.

To use a photo as a contact picture

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap  > **Use as** > **Contact photo**.
- 2 Select a contact, then edit the photo as desired.
- 3 Tap **Save**.

To use a photo as wallpaper

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap  > **Use as** > **Wallpaper**.
- 2 Select an option, then edit the photo as desired.
- 3 Tap **Save**.

To rotate a photo

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
- 2 Tap **Rotate**, then select an option. The photo is saved in the new orientation.

To delete a photo or video

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
- 2 Tap **Delete**.

To work with batches of photos or videos in Album

- 1 When viewing thumbnails of photos and videos in Album, touch and hold an item until it is highlighted.
- 2 Tap other items that you want to work with to select them. If you want to select all items, tap , then tap **Select all**.
- 3 Use the tools in the toolbar to work with your selected items.

Hiding photos and videos

You can hide any photos and videos from the Album home screen. Once photos and videos are hidden from the Album home screen, they can only be viewed from the Hidden folder.

To hide a photo or video

- 1 In Album, find and tap the photo or video that you want to hide.
- 2 Tap the screen to display the toolbars, then tap .
- 3 Tap **Hide** > **OK**.

To view your hidden photos and videos

- 1 In Album, tap ≡, then tap **Hidden**.
- 2 Tap a photo or video to view it.
- 3 Flick left to view the next photo or video. Flick right to view the previous photo or video.

To unhide a photo or video

- 1 In Album, tap ≡, then tap **Hidden**.
- 2 Tap a photo or video that you want to unhide.
- 3 Tap the screen to display the toolbars, then tap ⋮.
- 4 Tap **Don't hide**.

Connectivity

Mirroring the screen of your device wirelessly on a TV

You can use the Screen mirroring feature to show the screen of your device on a TV or other large display without using a cable connection. Wi-Fi Direct® technology creates a wireless connection between the two devices, so you can sit back and enjoy your favourite photos from the comfort of your couch. You can also use this feature to listen to music from your device using the TV's speakers.

- ! When using Screen mirroring, the image quality may sometimes be negatively impacted if there is interference from other Wi-Fi networks.

To mirror the screen of another Xperia™ device on your own device

- 1 **Your device:** Find and tap **Settings > Device connection > Screen mirroring**.
- 2 Under **Receive**, tap **Start**.
- 3 **Other device:** Find and tap **Settings > Device connection > Screen mirroring > Start**.
- 4 Tap **OK** and select a device.
- 5 **Your device:** Tap **Accept** to allow the connection to your device.

To mirror the screen of your device on a TV screen

- 1 **TV:** Follow the instructions in the User guide of your TV to turn on the Screen mirroring function.
- 2 **Your device:** Find and tap **Settings > Device connection > Screen mirroring**.
- 3 Tap **OK** and select a device.

- ! Your TV must support Screen mirroring based on Wi-Fi CERTIFIED Miracast™ for the function to work. If your TV does not support Screen mirroring, you may need to purchase a wireless display adapter separately. Also, when using Screen mirroring, do not cover the Wi-Fi antenna area of your device.

To stop screen mirroring between devices

- 1 Find and tap **Settings > Device connection > Screen mirroring**.
- 2 Tap **Disconnect**, then tap **OK**.

Connecting your device to USB accessories

You can use a USB Type-C™ host adapter to connect your device to USB accessories such as USB mass storage devices, game controllers, USB keyboards and USB mice. If the USB accessory has a USB Type-C connector, a USB Type-C host adapter is not necessary.

USB Type-C host adapters are sold separately. Sony does not guarantee that all USB accessories are supported by your device.

- 💡 If your device is fully charged, it can be used for up to one hour without being connected to a power outlet.

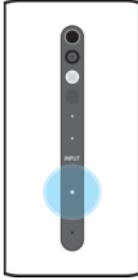
NFC (Near Field Communication)

Use NFC (Near Field Communication) to share data with other devices, such as videos, photos, web page addresses, music files or contacts. You can also use NFC to scan tags that give you more information about a product or service, as well as tags that activate certain functions on your device.

NFC is a wireless technology with a maximum range of one centimetre, so the devices sharing data must be held close to each other. Before you can use NFC,

you must first turn on the NFC function, and the screen of your device must be active and unlocked.

Hold your device close to another device or an NFC reader so that the NFC detection areas touch each other.



- ! NFC may not be available in all countries or regions. Using certain apps, some NFC functions can be enabled even when the device is switched off. Note that not all devices support this feature.

To enable or disable the NFC function

- 1 Find and tap **Settings** > **Device connection**.
- 2 Tap the **NFC** slider.

To share a contact with another device using NFC

- 1 Make sure that both devices have the NFC function turned on, and that both screens are active and unlocked.
- 2 To view contacts, find and tap .
- 3 Tap the contact that you want to share.
- 4 Hold your device and the receiving device close to each other so that the NFC detection areas of each device touch. When the devices connect, a thumbnail of the contact appears.
- 5 Tap the thumbnail to start the transfer.
- 6 When the transfer is done, the contact information is saved on the receiving device and displayed on its screen.

To share a music file with another device using NFC

- 1 Make sure that both your device and the receiving device have the NFC function turned on, and that both screens are active and unlocked.
- 2 To open the Music application, find and tap .
- 3 Select a music category and browse to the track you want to share.
- 4 Tap the track to play it. You can then tap  to pause the track. The transfer works whether the track is playing or paused.
- 5 Make sure the track is displayed on full screen.
- 6 Hold your device and the receiving device close to each other so that the NFC detection areas of each device touch. When the devices connect, a thumbnail of the track appears.
- 7 Tap the thumbnail to start the transfer.
- 8 When the transfer is done, the music file is saved on the receiving device.
- 9 To display the music file, drag down the status bar to open the Notification panel, and then tap **Beam complete**.

To share a photo or video with another device using NFC

- 1 Make sure that both devices have the NFC function turned on, and that both screens are active and unlocked.
- 2 To view photos and videos on your device, find and tap **Album**.
- 3 Tap the photo or video that you want to share.
- 4 Hold your device and the receiving device close to each other so that the NFC detection areas of each device touch. When the devices connect, 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 saved on the receiving device.
- 7 To display the photo or video, drag down the status bar to open the Notification panel, and then tap **Beam complete**.

To share a web address with another device using NFC

- 1 Make sure that both devices have the NFC function turned on, and that both screens are active and unlocked.
- 2 To open the web browser, find and tap .
- 3 Load the web page that you want to share.
- 4 Hold your device and the receiving device close to each other so that the NFC detection areas of each device touch. When the devices connect, a thumbnail of the web page appears.
- 5 Tap the thumbnail to start the transfer.
- 6 When the transfer is done, the web page is displayed on the screen of the receiving device.

Scanning NFC tags

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

To scan an NFC tag

- 1 Make sure that your device has the NFC function turned on and that the screen is active and unlocked.
- 2 Place your device over the tag so that the NFC detection area touches it. Your device scans the tag and displays the content collected. Tap the content of the tag to open it.

Connecting to an NFC compatible device

You can connect your device to other NFC compatible devices produced by Sony, such as a speaker or a headphone. When establishing this kind of connection, refer to the User guide of the compatible device for more information.

- ! You may need to have Wi-Fi or Bluetooth activated on both devices for the connection to work.

Bluetooth wireless technology

Use the Bluetooth function to send files to other Bluetooth compatible devices, or to connect to handsfree accessories. Bluetooth connections work better within 10 metres (33 feet), with no solid objects in between. In some cases you have to manually pair your device with other Bluetooth devices.

- ! Interoperability and compatibility among Bluetooth devices can vary.
- 💡 If you are using a device with multiple users, each user can change the Bluetooth settings, and the changes affect all users.

To turn the Bluetooth function on or off

- 1 Find and tap **Settings > Device connection > Bluetooth**.
 - 2 Tap the **Bluetooth** slider to enable or disable the function.
-  You can also turn Bluetooth on or off from the Quick settings panel.

Naming your device

You can give your device a name. This name is shown to other devices after you have turned on the Bluetooth function and your device is set to visible.

To give your device a name

- 1 Make sure that the Bluetooth function is turned on.
- 2 Find and tap **Settings > Bluetooth**.
- 3 Tap **:** > **Rename this device**.
- 4 Enter a name for your device.
- 5 Tap **RENAME**.

Pairing with another Bluetooth device

When you pair your device with another device, you can for example connect your device to a Bluetooth headset or a Bluetooth car kit, and use these other devices to share music.

Once you pair your device with another Bluetooth device, your device remembers this pairing. When pairing your device with a Bluetooth device for the first time, you may need to enter a passcode. Your device will automatically try the generic passcode 0000. If this does not work, refer to the user guide for your Bluetooth device to get the device passcode. You do not need to re-enter the passcode the next time you connect to a previously 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 device with several Bluetooth devices, but you can only connect to one Bluetooth profile at the same time.

To pair your device with another Bluetooth device

- 1 Make sure that the device you want to pair with has the Bluetooth function activated and is visible to other Bluetooth devices.
- 2 Find and tap **Settings > Device connection > Bluetooth**.
- 3 Tap the **Bluetooth** slider to enable the function. A list of the available Bluetooth devices appears.
- 4 Tap the Bluetooth device that you want to pair with.
- 5 Enter a passcode, if required, or confirm the same passcode on both devices.

To connect your device to another Bluetooth device

- 1 Find and tap **Settings > Bluetooth**.
- 2 Tap the Bluetooth device that you want to connect to.

To unpair a Bluetooth device

- 1 Find and tap **Settings > Bluetooth**.
- 2 Under **Paired devices**, tap  beside the name of the device that you want to unpair.
- 3 Tap **FORGET**.

Sending and receiving items using Bluetooth technology

Use Bluetooth technology to share items with other Bluetooth compatible devices such as phones or computers. You can send and receive the following kinds of items:

- Photos and videos

- Music and other audio files
- Web pages

To send items using Bluetooth

- 1 Make sure the Bluetooth function is turned on for the receiving device, and that the device is visible to other Bluetooth devices.
- 2 Open the application on the sending device which contains the item that you want to send. Scroll to the item.
- 3 Depending on the app and the item you want to send, you may need to touch and hold or open the item, then tap .
- 4 Select **Bluetooth**.
- 5 Turn on Bluetooth if prompted.
- 6 Tap the name of the receiving device.
- 7 On the receiving device, accept the connection if prompted.
- 8 On the sending device, confirm the transfer to the receiving device, if prompted.
- 9 Accept the incoming item on the receiving device.

To receive items using Bluetooth

- 1 Make sure that the Bluetooth function is on and is visible to other Bluetooth devices.
- 2 The sending device now starts sending data to your device.
- 3 If prompted, enter the same passcode on both devices, or confirm the suggested passcode.
- 4 When you are notified of an incoming file to your device, drag the status bar downwards and tap the notification to accept the file transfer.
- 5 Tap **Accept** to start the file transfer.
- 6 To view the progress of the transfer, drag the status bar downwards.
- 7 To open a received item, drag the status bar downwards and tap the relevant notification.

To view files you have received using Bluetooth

- 1 Find and tap **Settings > Device connection > Bluetooth**.
- 2 Tap  and select **Show files received**.

Smart apps and features that save you time

Google Feed

Use the Google app to search the internet. You can also enable a feed for regular updates – for example, you can get traffic information before commuting to work, find popular restaurants in your area, see your favourite team's current score, and more. The app can be accessed by tapping  in the Google folder, or you can reserve a pane on your Home screen for quick access and easy reading.

To reserve a pane on the Home screen for Google Feed

- 1 Touch and hold an empty area on your Home screen.
 - 2 Tap , then tap the **Google feed** slider.
 - 3 You can now swipe to the left-most pane on the Home screen to access the Google Feed interface.
- ! If you reserve the left-most pane for Google Feed, the main Home screen pane cannot be changed and additional panes cannot be added to the left. Only the left-most pane can be reserved.

To enable or disable data usage for Your feed

- 1 Find and tap **Settings > Google > Search > Your feed**.
- 2 Tap the **Data Saver** slider to enable or disable data usage for Your feed.

Accessibility

Magnification

Magnification allows you to zoom in to parts of the screen by tapping an area of the touchscreen three times in succession.

To enable or disable Magnification

- 1 Find and tap **Settings** > **Accessibility** > **Magnification**.
- 2 Select an option and tap the slider to enable the function.

To magnify an area and pan across the screen

- 1 Make sure that **Magnification** is enabled.
- 2 Depending on the selected magnification option, to temporarily magnify the area tap the screen three times or tap  first and then tap the screen.
- 3 Move the area by dragging it with two or more fingers.
- 4 To exit zoom mode, tap the area three times or tap  again.

 With certain applications, you can also zoom in or out by pinching an area.

Font size

You can enable the Font size option to increase the default size of text displayed on your device.

To set Font size

- 1 Find and tap **Settings** > **Accessibility**.
- 2 Tap **Font size**, and then set the desired font size by tapping the scale.

Colour correction

The Colour correction setting adjusts how colours are displayed on the screen for users who are colour blind or have difficulty distinguishing between colours.

To enable or disable Colour correction

- 1 Find and tap **Settings** > **Accessibility** > **Colour correction**.
 - 2 Tap the slider under **Colour correction** to enable or disable the function.
 - 3 Tap **Correction mode**, then select the appropriate colour sensitivity.
-  Colour correction is currently an experimental feature and may affect device performance.

Mono audio

The Mono audio setting makes both left and right audio channels get played back simultaneously when playing audio. Using Mono instead of Stereo playback is most useful for users with certain types of hearing loss or for safety reasons, for example when you need to listen to your surroundings.

To enable or disable Mono audio

- 1 Find and tap **Settings** > **Accessibility**.
- 2 Tap the slider beside **Mono audio** to enable or disable this function.

Support and legal

Support application

Use the Support app to find device and software information. You can read support topics, troubleshoot or use helpful apps such as the device test. Visit our Web support directly from the app to read User guides, knowledge articles or the Support forum.

- ! Support contact information is available from the Contact us menu even without a network connection.

To access the Support app

- Find and tap **Settings** > .
- 💡 Connect to the internet when using the Support application for the best available support.

Help in menus and applications

Some applications and settings have help available in the options menu, which is normally indicated by  in the individual applications.

Restarting, resetting and repairing

You can force your device to restart or shut down if it stops responding or won't restart normally. No settings or personal data get deleted.

You can also reset your device to its original factory settings. This action is sometimes necessary if your device stops functioning properly, but note that if you want to keep any important data, you should first back up this data to a memory card or other non-internal memory. For more information, see *Backing up and restoring content* on page 33.

If your device fails to turn on or you want to reset your device's software, you can use Xperia Companion to repair your device. For more information on using Xperia Companion, see *Xperia Companion* on page 31.

- 💡 If you are sharing a device with multiple users, you may need to log in as the owner, that is, the primary user, to reset your device to its original factory settings.

To restart your device

- ! Your device may fail to restart if the battery level is low. Connect your device to a charger and try restarting again.
- 1 Long press the power key.
 - 2 In the menu that opens, tap **Restart**. The device restarts automatically.

To force the device to shut down

- 1 Locate the POWER-OFF button on the bottom of the device.
 - 2 Using the tip of a pen or a similar object, press and hold down the POWER-OFF button until the device shuts down.
- ! Do not use overly sharp objects that could damage the POWER-OFF button.

To perform a factory data reset

- ! To avoid permanent damage to your device, do not interrupt a factory data reset procedure.

- 1 Back up any important data that is saved on the internal memory of your device to a memory card or other non-internal memory. If you have any encrypted files stored on an SD card, you should also remove the encryption to ensure you can still access them after the reset.
 - 2 Find and tap **Settings > System > reset**.
 - 3 Tap **Factory data reset > Reset device**.
 - 4 If required, draw your screen unlock pattern or enter your screen unlock password or PIN to continue.
 - 5 To confirm, tap **Erase everything**.
- 💡 Your device does not revert to an earlier software version of Android when you perform a factory data reset.

Repairing the device software

If you forget your screen unlock password, PIN or pattern, you can use the device repair feature in Xperia Companion to erase the security layer. You need to provide your Google account login details to perform this operation. By running the repair feature, you reinstall software for your device and you may lose some personal data in the process.

If your device seems to have frozen, restarts repeatedly or doesn't start at all after you've updated the Xperia software or after you've performed a software repair or a factory data reset, try forcing the device to shut down then try turning it back on. If the problem still exists, force the device to shut down then perform a software repair.

To find out the recovery time, visit Google's support page
<http://support.google.com>.

- 💡 When you receive a new Google account username or password, you might not be able to use them to log in.

To repair the device software using Xperia Companion

- ! Before performing a software repair, make sure you know your Google account username and password. Depending on your security settings, you may need to enter them in order to restart the device after a software repair.
- 1 Make sure that Xperia Companion is installed on your PC or Mac.
 - 2 Open the Xperia Companion software on the computer and click **Software repair** on the main screen.
 - 3 Follow the instructions that appear on the screen to reinstall the software and complete the repair.

Help us improve our software

You can allow the sending of usage info from your device so that Sony Mobile can receive anonymous bug reports and statistics that help improve our software. None of the information gathered includes personal data.

To allow the sending of usage info

- 1 Find and tap **Settings > About device > Usage info settings**.
- 2 Mark the **Send usage info** checkbox if it is not already marked.
- 3 Tap **Agree**.

Recycling your device

Got an old device 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 <http://blogs.sonymobile.com/about-us/sustainability/commitment/overview/>.

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Sony G1109

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