! Sony Entertainment Network with Video Unlimited and Music Unlimited is not available in every market. Separate subscription required. Additional terms and conditions apply.

To display the WALKMAN home screen

1   From the Home screen, tap ⠿ > 🔘.
2   If the WALKMAN home screen is not displayed, tap 🔘.

To add a shortcut to a song

1   From the WALKMAN home screen, browse to the song for which you want to create a shortcut.
2   Touch and hold the song title.
3   Tap **Add as shortcut**. The shortcut now appears in the WALKMAN home screen.

! You cannot add shortcuts to songs from Music Unlimited.

To rearrange shortcuts

• From the WALKMAN home screen, touch and hold a shortcut until it magnifies and your device vibrates, then drag the item to a new location.

To delete a shortcut

• From the WALKMAN home screen, touch and hold a shortcut until it magnifies and your device vibrates, then drag the item to 🗑.

! You can only delete shortcuts that you create yourself.

💡 You can also drag default shortcuts to 🗑 but they only get hidden, not deleted.

To update your music with the latest information

1   From the WALKMAN home screen, tap ⫶.
2   Tap **Download music info** > **Start**. Your device searches online and downloads the latest available album art and song information for your music.

💡 The SensMe™ channels application is enabled when you download music information.

To enable the SensMe™ channels application

• From the WALKMAN home screen, tap ⫶, then tap **Download music info** > **Start**.

! This application requires a mobile or Wi-Fi® network connection.

To delete a song

1   Open the WALKMAN home screen, then browse to the song that you want to delete.
2   Touch and hold the song title, then tap **Delete**.

💡 You can also delete albums this way.

Playlists

On the WALKMAN home screen, you can create your own playlists from the music that is saved on your device.

To create your own playlists

1 Open the WALKMAN home screen.
2 To add an album or a song to a playlist, touch and hold the album or song.
3 In the menu that opens, tap **Add to** > **Create new playlist**.
4 Enter a name for the playlist and tap **OK**.

💡 You can also tap the album art and then tap ➕ to create a new playlist.

To play your own playlists

1 Open the WALKMAN home screen, then tap **Playlists**.
2 Under **Playlists**, tap a playlist.
3 Tap a song to play it.

To add songs to a playlist

1 Open the WALKMAN home screen.
2 Browse to the song or album that you want to add to a playlist, then touch and hold the song or the album title.
3 Tap **Add to**.
4 Tap the name of the playlist to which you want to add the album or song. The album or song is added to the playlist.

To remove a song from a playlist

1 In a playlist, touch and hold the title of the song you want to delete.
2 Tap **Delete from playlist** from the list that appears.

To delete a playlist

1 Open the WALKMAN home screen, then tap **Playlists**.
2 Touch and hold the playlist that you want to delete.
3 Tap **Delete**.
4 Tap **Delete** again to confirm.

❗ You cannot delete default playlists.

Sharing music

To send a song

1 Open the WALKMAN home screen.
2 Browse to the song or album that you want to send, then touch and hold the song title.
3 Tap **Share**.
4 Select an application from the list, then follow the on-screen instructions.

💡 You can also send albums and playlists in the same way.

Sharing music on Facebook™

The Friends' music function collects links to music and music-related content that you and your friends have shared using Facebook™.

To "Like" a song on Facebook™

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

To manage music from your friends

1 Open the WALKMAN home screen, then tap **Friends' music** > **Recent**.
2 Tap an item to open it, then work on it as desired.
3 Tap 👍 to show that you "Like" the song on **Facebook™**. If desired, add a comment in the comments field.

To view your shared music

1 Open the WALKMAN home screen, then tap **Friends' music** > **My shares**.
2 Scroll to an item that you want to open, then tap it. All comments about the item, if any, are displayed.

Enhancing the sound

To improve the sound quality using the Equaliser

1 When a song is playing in the "WALKMAN" application, tap :.
2 Tap **Settings** > **Sound effects** > **Sound enhancements**.
3 To adjust the sound manually, drag the frequency band buttons up or down. To adjust the sound automatically, tap ▼ and select a style.

To turn on the surround sound feature

1 When the "WALKMAN" application is open, tap :.
2 Tap **Settings** > **Sound enhancements** > **Surround sound (VPT)**.
3 Select a setting, then tap **OK** to confirm.

Visualiser

The Visualiser adds visual effects to your songs as you play them. The effects for each song are based on the characteristics of the music. They change, for example, in response to changes in the volume, rhythm and frequency level of the music. You can also change the background theme.

To turn on the Visualiser

1 In the "WALKMAN" application, tap :.
2 Tap **Visualizer**.

💡 Tap the screen to switch to full screen view.

To change the background theme

1 In the "WALKMAN" application, tap :.
2 Tap **Visualizer**.
3 Tap : > **Theme** and select a theme.

Recognising music with TrackID™

Use the TrackID™ music recognition feature to identify a music track you hear playing in your surroundings. Just record a short sample of the song and you'll get artist, title and album info within seconds. You can purchase tracks identified by TrackID™ and you can view TrackID™ charts to see what TrackID™ users around the globe are searching for. For best results, use TrackID™ technology in a quiet area.

1 Record and identify music

2 View the search result history

3 View current music charts

4	Search music online
5	View TrackID™ options
6	View the music other people are tracking right now

! The TrackID™ application and the TrackID™ service are not supported in all countries/regions, or by all networks and/or service providers in all areas.

To identify music using TrackID™ technology

1 From your Home screen, tap ⠿
2 Find and tap **TrackID™**, then hold your device towards the music source.
3 Tap 🔍. If the track is recognised by the TrackID™ service, the results appear on the screen.

💡 To return to the **TrackID™** start screen, press ⤺.

To view TrackID™ charts

• Open the **TrackID™** application, then tap **Charts**. A chart from your own region is shown.

To view TrackID™ charts from another region

1 Open the **TrackID™** application, then tap **Charts**.
2 Tap ⋮ > **Regions** and then select a country or region.

To buy a track recognised by the TrackID™ application

1 After a track has been recognised by the **TrackID™** application, tap **Download**.
2 Follow the instructions on your device to complete your purchase.

💡 You can also select a track to buy by opening the **History** and **Charts** tabs. Or you can purchase tracks identified by an online text search in **TrackID™**.

To share a track

1 After a track has been recognised by the **TrackID™** application, tap **Share**, then select a sharing method.
2 Follow the instructions on your device to complete the procedure.

To view artist information for a track

• After a track has been recognised by the **TrackID™** application, tap **Artist info**.

To delete a track from the track history

1 Open the **TrackID™** application, then tap **History**.
2 Tap a track title, then tap **Delete**.
3 Tap **Yes** to confirm.

Music Unlimited online service

Music Unlimited is a subscription-based service that offers access to millions of songs over a mobile network or Wi-Fi® connection. You can manage and edit your personal music library in the cloud from a variety of devices, or sync your playlists and music using a PC that runs the Windows® operating system. Go to *www.sonyentertainmentnetwork.com* for more information.

! Sony Entertainment Network with Video Unlimited and Music Unlimited is not available on every market. Separate subscription required. Additional terms and conditions apply.

To get started with Music Unlimited

1 Open the **WALKMAN** home screen.
2 Tap **Music Unlimited**, then follow the on-screen instructions to get started with the Music Unlimited service.

FM radio

Listening to the radio

The FM radio in your device works like any FM radio. For example, you can browse and listen to FM radio stations and save them as favourites. You must connect a wired headset or headphones to your device before you can use the radio. This is because the headset or headphones act as an antenna. After one of these devices is connected, you can then switch the radio sound to the speaker, if desired.
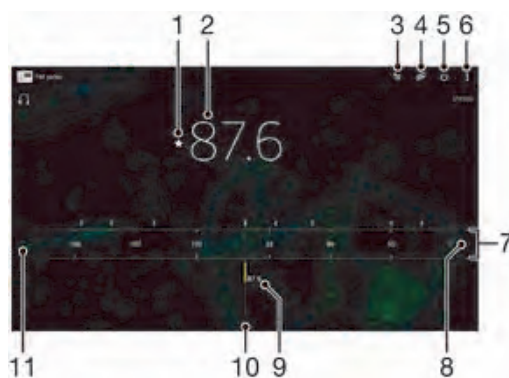
1	Save or remove a channel as a favourite
2	Tuned frequency
3	Favourites list
4	Launch the TrackID™ music recognition application
5	Radio on/off button
6	View menu options
7	Frequency band – drag left or right to move between channels
8	Move up the frequency band to search for a channel
9	A saved favourite channel
10	Tuning dial
11	Move down the frequency band to search for a channel

To listen to the FM radio

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

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

To move between radio channels

• Drag the frequency band left or right.

To start a new search for radio channels

1 When the radio is on, press ⦙.
2 Tap **Search for channels**. The radio scans the entire frequency band, and all available channels are displayed.

To switch the radio sound to the speaker

1 When the radio is on, press ⋮.
2 Tap **Play in speaker**.

💡 To switch the sound back to the wired headset or headphones, press ⋮ and tap **Play in headphones**.

To identify a song on the FM radio using TrackID™

1 While the song is playing on your device's FM radio, tap 🔲.
2 A progress indicator appears while the TrackID™ application samples the song. If successful, you are presented with a track result, or a list of possible tracks.
3 Press ↩ to return to the FM Radio.

❗ The TrackID™ application and the TrackID™ service are not supported in all countries/regions, or by all networks and/or service providers in all areas.

Favourite radio channels

To save a channel as a favourite

1 When the radio is open, navigate to the channel you want to save as a favourite.
2 Tap ☆.
3 Enter a name and select a colour for the channel, then press **Save**.

To listen to a favourite radio channel

1 Tap 📶.
2 Select an option.

To remove a channel as a favourite

1 When the radio is open, navigate to the channel you want to remove.
2 Tap ★, then tap **Delete**.

Sound settings

To switch between mono and stereo sound mode

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

To select the radio region

1 When the radio is on, press ⋮.
2 Tap **Set radio region**.
3 Select an option.

To adjust the Visualiser

1 When the radio is on, tap ⋮.
2 Tap **Visualizer**.
3 Select an option.

Camera

Taking photos and recording videos

1	Front camera
2	Main camera screen
3	Take photos or record video clips
4	Capturing mode settings icon
5	Go back a step or exit the camera
6	Switch between front and main camera
7	Display all settings
8	Zoom in or out

To take a photo from the lock screen

1 To turn on the screen, briefly press the power key ⏻.
2 To turn on the camera, swipe to the left in the upper part of the screen, or touch and hold 📷 and drag it upwards.
3 After the camera has switched on, tap 📷.

To take a photo by touching the screen

1 Turn on the camera.
2 To display all settings, tap ✖.
3 Tap **Touch capture** and select **On** if it is not already selected.
4 Point the camera towards the subject.
5 To enable auto focus, touch and hold a spot on the screen. When the focus frame turns blue, lift your finger to take the photo.

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

1 Turn on the camera.
2 Point the camera towards the subject.
3 Tap the on-screen camera button 📷. The photo is taken as soon as you release your finger.

To take a self-portrait using the front camera

1 Turn on the camera.
2 Tap 📷.
3 To take the photo, tap the on-screen camera button 📷. The photo is taken as soon as you release your finger.

To use the zoom function

• When the camera is on, press the volume key up or down.
• When the camera is on, zoom in or zoom out on the camera screen.

To record a video by tapping the screen

1 Turn on the camera.
2 Point the camera towards the subject.
3 Tap ● to start recording.
4 Tap ■ to stop recording.

! This function is only available in **Superior auto** capturing mode.

To view your photos and videos

1 Turn on 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 recorded video

1 Browse to the photo or video you want to delete.
2 Tap the screen to make 🗑 appear.
3 Tap 🗑.
4 Tap **Delete** to confirm.

Face detection

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

To turn on face detection

1 Turn on the camera.
2 Tap 😊, then select 🔲.
3 Tap ⋮, then tap 📷.
4 Tap **Focus mode** > **Face detection**.

To take a photo using face detection

1 When the camera is on and **Face detection** turned on, point the camera at your subject. Up to five faces can be detected, and each detected face is framed.
2 Tap the frame you want to select for focus. Do not tap if you want the camera to select focus automatically.
3 A yellow frame shows which face is in focus. Tap the screen to take the photo.

Using Smile Shutter™ to capture smiling faces

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.

To turn on Smile Shutter™

1 Turn on the camera.
2 Tap ⋮, then tap 📷
3 Tap **Smile Shutter** and select a smile level.

To take a photo using Smile Shutter™

1 When the camera is on and Smile Shutter™ is turned on, point the camera at your subject. The camera selects which face to focus on.
2 The face selected appears inside a coloured frame and the photo is taken automatically.
3 If no smile is detected, tap the screen to take the photo manually.

Adding the geographical position to your photos

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

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

To turn on geotagging

1 From your Home screen, tap ⋮⋮⋮.
2 Tap **Settings** > **Location**.
3 Drag the slider beside **Location** to the right.
4 Turn on the camera.
5 Tap ⯠, then tap ✕.
6 Drag the slider beside **Geotagging** to the right.
7 Tap **OK**.

General camera settings

Capturing mode settings overview

Superior auto
Optimise your settings to suit any scene.

Manual
Adjust camera settings manually.

Social live
Broadcast live video to Facebook™.

Timeshift burst
Find the best photo from a burst of images.

AR effect
Take photos with virtual scenes and characters.

Creative effect
Apply effects to photos or videos.

Sweep Panorama
Use this setting to take wide-angle, panoramic photos. Just tap the screen and move the camera steadily from one side to the other.

Background defocus
Blur the background of your photos to make your subject look sharper in comparison.

Superior auto

Superior auto mode detects the conditions in which you are shooting and automatically adjusts the settings to ensure you take the best photo possible.

Manual mode

Use Manual mode when you want to manually adjust your camera settings for taking photos and videos.

Background defocus mode

Use your camera's blurred background effect to make your subjects look sharper and more vivid in comparison to their background. In Background defocus mode, the camera takes two shots, identifies the background and then blurs it while keeping the subject sharp and in focus. It's just like shooting with a digital SLR camera. You can select from three different blur variations and tune the blur level in the preview display.

AR effect

You can apply AR (augmented reality) effects to your photos and make them more fun. This setting lets you integrate 3D scenes into your photos as you take them. Just select the scene you want and adjust its position in the viewfinder.

Creative effect

You can apply different effects to your photos or videos. For example, you can add a Nostalgic effect to make photos look older or a Sketch effect for a more fun image. For example, you can add a Nostalgic effect to make photos look older.

Timeshift burst

The camera takes a burst of 61 photos in a window of two seconds – one second before and after you press the camera key. So you can go back and find the perfect image.

To use Timeshift burst

1 Turn on the camera.
2 Tap 😊, then select 🟣 .
3 To take photos, press the camera key fully down and then release it. The photos taken appear in thumbnail view.
4 Scroll through the thumbnails and select the photo you want to save, then tap ✓.

Social live

Social live is a camera shooting mode that lets you stream video live to your Facebook™ page. You just need to have an active internet connection and be logged into Facebook™. Videos can be up to 10 minutes long.

To broadcast live video using Social live

1 Turn on the camera.
2 Tap 😊, then select 🔵 .
3 Log in to your Facebook™ account.
4 Tap 🔴 to start broadcasting.
5 To take a photo during the broadcast, tap 📷 .
6 To stop broadcasting, tap ⏹ .

Quick launch

Use Quick launch settings to launch the camera when the screen is locked.

Launch only
After you drag 📷 inwards, the main camera is launched from sleep mode.

Launch and capture
After you drag 📷 inwards, the still camera is launched from sleep mode and a photo is captured.

Launch and record video
After you drag 📷 inwards, the video camera is launched from sleep mode and starts recording.

Off

Geotagging

Tag photos with details of where you took them.

Auto upload

Automatically upload updates to photos to a pre-selected social networking service (SNS).

Touch capture

Identify a focus area, and then touch the camera screen with your finger. The photo is taken as soon as you release your finger.

Shutter sound

Choose to turn on or turn off the shutter sound.

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.

White balance

This function adjusts the colour balance according to the lighting conditions. The white balance setting icon ⦀ is available on the camera screen.

Auto
Adjusts the colour balance automatically to suit the lighting conditions.

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

Fluorescent
Adjusts the colour balance for fluorescent lighting.

Daylight
Adjusts the colour balance for sunny outdoor conditions.

Cloudy
Adjusts the colour balance for a cloudy sky.

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

Still camera settings

To adjust the still camera settings
1 Turn on 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 requires more memory.

8MP
3264×2448(4:3)
8 megapixel resolution with 4:3 aspect ratio. Suitable for photos you want to view on non-widescreen displays or print in high resolution.

5MP
3104×1746(16:9)
5 megapixel picture size with 16:9 aspect ratio. Suitable for photos that you want to view on non-widescreen displays or print in high resolution.

2MP
1920×1080(16:9)

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

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

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 where everyone can be in the photo. You can also use the self-timer to avoid shaking the camera when taking photos.

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

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

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

Smile Shutter™

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

Focus mode

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

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

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

Face detection
The camera automatically detects up to five human faces, indicated by frames on the screen. The camera automatically focuses on the nearest face. You can also select which face to focus on by tapping it on the screen. When you tap the camera screen, a blue frame shows which face is selected and in focus. Face detection cannot be used for all scene types. Continuous autofocus is on.

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

Object tracking
When you select an object by touching it in the viewfinder, the camera tracks it for you.

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

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.

ISO

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

Auto
Sets ISO sensitivity automatically.

50
Sets ISO sensitivity to 50.

100
Sets ISO sensitivity to 100.

200
Sets ISO sensitivity to 200.

400
Sets ISO sensitivity to 400.

800
Sets ISO sensitivity to 800.

1600
Sets ISO sensitivity to 1600.

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

Metering

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

Center
Adjusts the exposure to the centre of the image.

Average
Calculates the exposure based on the amount of light striking the whole image.

Spot
Adjusts the exposure in a very small part of the image that you want to capture.

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

Image stabiliser

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

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

Preview

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

Unlimited
The preview of the photo or video appears after you shoot it.

5 seconds
The preview of the photo or video apears for 5 seconds after you shoot it.

3 seconds
The preview of the photo or video appears for 3 seconds after you shoot it.

Edit
The photo or video opens for editing after you shoot it.

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

Face registration

You can register faces with the Camera application so that the viewfinder automatically focuses on these faces when they appear in the viewfinder.

Scene selection

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

SCN **Off**
The Scene selection feature is off and you can take photos manually.

Soft skin
Take photos of faces using an enhanced beauty effect.

Soft snap
Use for shooting photos against a soft background.

Anti motion blur
Use for minimising camera shake when shooting a slightly dark scene.

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

Backlight correction HDR
Use to improve details in high contrast shots. The built-in backlight correction analyses the image and automatically adjusts it to give you a perfectly lit shot.

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

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

Hand-held twilight
Use for taking hand-held low-light photos with reduced noise and blur.

High sensitivity
Use for taking photos without a flash under low light conditions. Reduces blur.

Gourmet
Use for shooting food arrangements in bright colour.

Pet
Use for taking photos of your pet. Reduces blur and red eyes.

Beach
Use in bright environments to avoid overexposed photos.

Snow
Use in bright environments to avoid overexposed photos.

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

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

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

Fireworks
Use for taking photos of fireworks in all their splendour.

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

Video camera settings

To adjust the video camera settings

1 Turn on the camera.
2 Tap one of the settings icons on the screen.
3 To display all settings, tap .
4 Select the setting you want to adjust, then make your changes.

66

Video camera settings overview

Video resolution

Adjust the video resolution for different formats.

Full HD
1920×1080(16:9)
Full HD (Full High Definition) format with 16:9 aspect ratio. 1980×1080 pixels.

HD
1280×720(16:9)
HD (High Definition) format with 16:9 aspect ratio. 1280×720 pixels.

VGA
640×480(4:3)
VGA format with 4:3 aspect ratio.

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

Self-timer

With the self-timer you can record a video without holding the device. Use it to record group videos where everyone can be in the video. You can also use the self-timer to avoid shaking the camera when recording videos.

On (10 sec.)
Set a 10-second delay from when you tap the camera screen until the video begins to record.

On (2 sec.)
Set a 2-second delay from when you tap the camera screen until the video begins to record.

Off
The video begins to record as soon as you tap the camera screen.

Smile Shutter™(video)

Use the Smile Shutter™ function to determine what kind of smile the camera reacts to before recording a video.

Focus mode

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

Single autofocus
The camera automatically focuses on the selected subject. Continuous autofocus is on.

Face detection
The camera automatically detects up to five human faces, indicated by frames on the screen. The camera automatically focuses on the nearest face. You can also select which face to focus on by tapping it on the screen. When you tap the camera screen, a yellow frame shows which face is selected and in focus. Face detection cannot be used for all scene types. Continuous autofocus is on.

Object tracking
When you select an object by touching it in the viewfinder, the camera tracks it for you.

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

HDR video

Use the video HDR (High-Dynamic Range) setting to record a video against strong back light or in conditions where the contrast is sharp. Video 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.

Metering

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

Center
Adjusts the exposure to the centre of the image.

Average
Calculates the exposure based on the amount of light striking the whole image.

Spot
Adjusts the exposure in a very small part of the image that you want to capture.

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

SteadyShot™

When recording a video, it can be difficult to hold the device steady. The stabiliser helps you by compensating for small movements of the hand.

Microphone

Select whether to pick up the surrounding sound when recording videos.

Preview

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

On
The preview of the video appears after you shoot it.

Edit
The video opens for editing after you shoot it.

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

Scene selection

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

SCN **Off**
The Scene selection feature is off and you can shoot videos manually.

Soft snap
Use for shooting videos against soft backgrounds.

Landscape
Use for videos of landscapes. The camera focuses on distant objects.

Night
When turned on, light sensitivity is increased. Use in poorly lit environments. Videos of fast-moving objects may get blurred. Hold your hand steady, or use a support. Turn off night mode when lighting conditions are good, to improve the video quality.

Beach
Use in bright environments to avoid overexposed videos.

Snow
Use in bright environments to avoid overexposed videos.

Sports
Use for videos of fast-moving objects. Short exposure time minimises motion blurring.

Party
Use for indoor videos in poorly lit environments. This scene picks up indoor background lighting or candlelight. Videos of fast-moving objects may get blurred. Hold your hand steady, or use a support.

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

Photos and videos in Album

Viewing photos and videos

Use the Pictures tab in 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.

1	The date of items in the group
2	View photos and videos in the Pictures tab
3	View photos and videos in the My albums tab
4	View menu options
5	Scroll up or down to view content
6	Tap a photo or video to view it

To view photos and videos

1   From your Home screen, tap ⠿.
2   Find and tap **Album**.
3   Tap a photo or video to view it.
4   Flick left to view the next photo or video. Flick right to view the previous photo or video.

💡 If the screen orientation does not change automatically when you turn your device sideways, tick the **Auto-rotate screen** checkbox under **Settings** > **Display**.

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 watch a slideshow of your photos with music

1   When you are viewing a photo, tap the screen to display the toolbars, then tap ⋮ > **SensMe™ slideshow**.
2   Select the music and theme that you want to use for the slideshow, then tap ▶. The Album application analyses your photos and uses SensMe™ music data to play a slideshow.
3   To pause playing, tap the screen to display the controls, then tap ⏸.

To play a video

1 Open the **Pictures** tab or the **My albums** tab in Album.
2 Using grid view or list view, locate the video you want to open.
3 Tap the video you want to play.
4 Tap **Movies**.
5 If the playback controls are not displayed, tap the screen to display them. To hide the controls, tap the screen again.

To pause a video

1 When a video is playing, tap the screen to display the controls.
2 Tap ⓘ.

To fast forward and rewind a video

1 When a video is playing, tap the screen to display the controls.
2 Drag the progress bar marker left to rewind, or right to fast forward.

To adjust the volume of a video

- Press the volume key.

Sharing and managing photos and videos

You can share photos and videos that you've stored on your device. You can also manage them in different ways. For example, you can work with photos in batches, delete photos and link them to contacts.

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

To 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 picture**.
2 If asked, select **Contacts** > **Just once**, then select a contact.

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 Follow the instructions on the screen.

To rotate a photo

1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
2 Select **Rotate**. 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, tap ⋮, then tap **Select items**.
2 Tap the items that you want to work with. Selected items are indicated by a blue frame.
3 Use the tools in the toolbars to work with your selected items.

To activate selection mode, you can also touch and hold an item until its frame turns blue. Then you can tap other items to select them.

Analysing photos with faces in Album

You can analyse any photos on your device that feature people's faces. Once enabled, the photo analysis feature stays on, and new photos get analysed as they are added. After running an analysis, you can then group all photos of the same person in one folder.

To turn on the photo analysis feature

1 From your Home screen, tap ⊞.
2 Find and tap **Album** > **My albums** > **Faces**.
3 All photos on your device get analysed and grouped in the Unnamed faces folder accordingly.

To name a face

1 In the **Faces** tile, tap the **Unnamed faces** folder, then browse to the **Other faces** folder and choose the face you want to name.
2 Tap **Add name**.
3 Type a name, then tap **Done** > **Add as new person**.

To edit a face name

1 When you are viewing a face in full screen view, tap the screen to display the toolbars, then tap ⋮ > **Edit name tags**.
2 Tap **OK**.
3 Tap the name of the face you want to edit.
4 Edit the name, then tap **Done** >**Add as new person**.

Editing photos with the Photo editor application

You can edit and apply effects to original photos that you've taken with your camera. For example, you can change the light effects. After you save the edited photo, the original unchanged version of the photo remains on your device.

To edit a photo

- When you are viewing a photo, tap the screen to display the toolbars, then tap ▱.

To crop a photo

1 When you are viewing a photo, tap the screen to display the toolbars, then tap ▱.
2 If prompted, select **Photo editor** > **Just once**.
3 Tap ⛶ > **Crop**.
4 Tap ▭ to select an option.
5 To adjust the crop frame, touch and hold the edge of the crop frame. When the squares at the edges disappear, drag inward or outward to resize the frame.
6 To resize all sides of the crop frame at the same time, touch and hold one of the four corners to make the squares at the edges disappear, then drag the corner accordingly.
7 To move the crop frame to another area of the photo, touch and hold inside the frame, then drag it to the desired position.
8 Tap **Apply Crop**.
9 To save a copy of the photo as you cropped it, tap **Save**.

72

To apply special effects to a photo

1 When you are viewing a photo, tap the screen to display the toolbars, then tap ⊡.
2 If prompted, select **Photo editor** > **Just once**.
3 Tap ⊓, then select an option.
4 Edit the photo as desired, then tap **Save**.

To improve a photo using advanced settings

1 When you are viewing a photo, tap the screen to display the toolbars, then tap ⊡.
2 If prompted, select **Photo editor** > **Just once**.
3 Tap ▭, then select an option.
4 To save a copy of the edited photo, tap **Save**.

To adjust the light settings for a photo

1 When you are viewing a photo, tap the screen to display the toolbars, then tap ⊡.
2 If prompted, select **Photo editor** > **Just once**.
3 Tap ◔, then select an option.
4 To save a copy of the edited photo, tap **Save**.

To set the saturation level of colours in a photo

1 When you are viewing a photo, tap the screen to display the toolbars, then tap ⊡.
2 If prompted, select **Photo editor** > **Just once**.
3 Tap ◍, then select an option.
4 To save a copy of the edited photo, tap **Save**.

Photo albums

The My albums tab in the Album application gathers together all your photo albums, including albums of photos and videos taken with the camera as well as content that you share online via services such as PlayMemories, Picasa and Facebook. Once you are logged in to such services, you can manage content, comment on photos and videos, and view comments from friends. 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.

1	View photos and videos using the PlayMemories online service
2	View your photos on a map
3	View your photos in globe mode
4	View photos using the Flickr™ online service
5	View all photos with faces
6	View photos and videos on Facebook™
7	View all photos and videos saved to your device's internal storage

73

8	View all photos and videos taken with your device's camera
9	View photos and videos on Picasa™
10	Scroll up or down to view content
11	View all photos and videos saved to the removable memory card

! The PlayMemories online service is not available in all countries or regions.

To view photos from online services in Album

1 From your Home screen, tap ⠿.
2 Find and tap **Album** > **My albums**.
3 Tap the desired online service.
4 Tap **Connect**. All available online albums that you have uploaded to the service are displayed.
5 Tap any album to view its content, then tap a photo in the album.
6 Flick left to view the next photo or video. Flick right to view the previous photo or video.

To view and add comments to online album content

1 When viewing a photo from an online album, tap the screen to display the toolbars, then tap ☷ to view the comments.
2 Enter your comments in the input field, then tap **Post**.

To "Like" a photo or video on Facebook™

• While viewing a photo or video from one of your Facebook™ albums, tap the screen to display the toolbars, then tap 👍 to show that you "Like" the item on **Facebook™**.

Viewing your photos on a map

Adding location information to photos is known as geotagging. You can view and tag your photos on a map and show friends and family where you were when you took a particular photo. See *Adding the geographical position to your photos* on page 73 for more information.

💡 If you have turned on location detection and enabled geotagging on the camera, you can tag your photos directly for map viewing at a later stage.

1	Search a location on the map.
2	View menu options.

3	Double tap to zoom in. Pinch to zoom out. Drag to view different parts of the map.
4	A group of photos and/or videos geotagged with the same location.
5	Thumbnails of the selected group of photos and/or videos. Tap an item to view it in full screen.

💡 If several photos were taken at the same location, only one of them appears on the map. The total number of photos appears in the top right corner, for example, 🖼. To view all photos in the group, tap the cover photo and then tap one of the thumbnails at the bottom of the screen.

To add a geotag to a photo

1 When you are viewing a photo, tap the screen to display the toolbars, then tap **Tap to set location** to open the map screen.
2 Find and tap the desired location to put the photo on the map.
3 To adjust the location of the photo, tap the location on the map to where you want to move the photo.
4 When you are finished, tap **OK** to save the geotag and return to the photo viewer.

To view geotagged photos on a map

1 From your Home screen, tap ⸬.
2 Find and tap **Album** > **My albums** > **Maps**.
3 Tap a photo to view it in full screen.

To view geotagged photos on a globe

1 From your Home screen, tap ⸬.
2 Find and tap **Album** > **My albums** > **Globe**.
3 Tap a photo to view it in full screen.

To change the geotag of a photo

1 When viewing a photo on the map in Album, touch and hold the photo until its frame turns blue, then tap the desired location on the map.
2 Tap **OK**.

To change the map view

• When viewing the map in Album, tap ⋮, then select **Classic view** or **Satellite view**.

Videos

Watching videos in the Movies application

Use the Movies application to play movies and other video content that you've saved or downloaded to your device. The Movies application also helps you get poster art, plot summaries, genre info and director details for each movie. You can also play your movies on other devices that are connected to the same network.

! Some video files may not be playable in the Movies application.

1	Tap to play your most recently watched video
2	Open the Video Unlimited application
3	View menu options
4	Browse all videos downloaded or saved to your device
5	Tap to play saved or downloaded video files
6	Scroll up or down to view content
7	Browse all applications downloaded or saved to your device
8	View all subscribed or downloaded files in Podcast

! Sony Entertainment Network with Video Unlimited and Music Unlimited is not available on every market. Separate subscription required. Additional terms and conditions apply.

To play a video in Movies

1. From your Home screen, tap ⠿, then find and tap **Movies**.
2. Find and tap the video that you want to play. If the video is not displayed on the screen, tap **All** in the **My Collection** tab, then find and tap the video that you want to play.
3. To display or hide the controls, tap the screen.
4. To pause playing, tap ⓘ. To resume playing, tap ▶.
5. To rewind, drag the progress bar marker to the left. To fast forward, drag the progress bar marker to the right.

To play a video on an external device

1. When the video is playing, tap the screen to display all the controls.
2. Tap ⋮ > **Throw**.
3. Select an external device on which to play the video. If there is no external device available, follow the on-screen instructions to add one.

To change settings in Movies

1. From your Home screen, tap ⠿, then find and tap **Movies**.
2. Tap ⋮ > **Settings**, then change the settings as desired.

To change the sound settings while a video is playing

1 While a video is playing, tap the screen to display the controls.
2 Tap ▮, then tap **Sound effects**.
3 Tick the checkboxes for the sound settings that you want to enable.
4 When you're finished, tap **OK**.

To share a video

1 When a video is playing, tap ▮, then tap **Share**.
2 In the menu that opens, tap the application you want to use to share the selected video, then follow the relevant steps to send it.

Transferring video content to your device

Before you start using the Movies application, it's a good idea to transfer movies, TV shows and other video content to your device from other devices, such as a computer. There are several ways to transfer your content:

- Connect your device to a computer using a USB cable and drag and drop the video files directly using the file manager application on the computer. See *Managing files using a computer* on page 114.
- If you have a PC, use the Media Go™ application from Sony™ to organise content and transfer video files to your device via the PC. Learn more and download the Media Go™ application.
- If your computer is an Apple® Mac®, you can use Sony™ Bridge for Mac to transfer video files from iTunes to your device.
  Learn more and download Sony™ Bridge for Mac.

Managing video content

To get movie information manually

1 Make sure that your device has an active data connection.
2 From your Home screen, tap ▦, then find and tap **Movies**.
3 Tap **All** in the **My Collection** tab to browse to the thumbnail of a file that you want to get information about.
4 Touch and hold the thumbnail for the video, then tap **Search for info**.
5 If prompted, allow your device to download video details using your mobile data connection.
6 In the search field, enter keywords for the video, then tap the confirm key on the keyboard. All matches are displayed in a list.
7 Select a search result, then tap **Done**. The information begins to download.

! You can get information about newly added videos automatically every time the Movies application opens if you tick the **Get video details** checkbox under Settings. Data transmission charges may apply.

☀ If the downloaded information is incorrect, search again using different keywords.

To clear information about a video

1 From your Home screen, tap ▦, then find and tap **Movies**.
2 Tap **All** in the **My Collection** tab to browse to the video that you want to edit.
3 Touch and hold the video thumbnail, then tap **Clear info**.

To delete a video

1 From your Home screen, tap ▦, then find and tap **Movies**.
2 Tap **All** in the **My Collection** tab to browse to the video that you want to delete.
3 Touch and hold the video thumbnail, then tap **Delete** from the list that appears.
4 Tap **Delete** again to confirm.

Video Unlimited service

Use the Video Unlimited service to rent and buy movies or TV shows that you can view not only on your Android™ device, but also on a PC, PlayStation® Portable (PSP®), PlayStation® 3 or PlayStation® Vita. Select your pick from the latest Hollywood releases, action movies, comedies, classics, and a range of other categories.

You need to create a Video Unlimited account if you want to buy or rent movies through the Video Unlimited service. If you already have a PlayStation® network account or a Sony Entertainment Network account, then you can use that account instead.

! If you are using a device with multiple users, you must log in as the owner, that is, the primary user, to use the Video Unlimited service.

! Sony Entertainment Network with Video Unlimited and Music Unlimited is not available on every market. Separate subscription required. Additional terms and conditions apply.

To get started with Video Unlimited

1 From your Home screen, tap ⠿.
2 Find and tap 🎬.
3 If you are starting Video Unlimited for the first time, tap **Continue** in the Welcome screen and enter your date of birth if required, then tap **Continue** again to go to the main screen of Video Unlimited.
4 Tap ⋮ > **Sign In**, then follow the on-screen instructions to sign in to your account, or create a new account, to buy or rent movies.

Connectivity

Mirroring the screen of your device on a TV using a cable

Connect your device to a TV set and start viewing content saved on your device on a larger screen. When you connect your device to the TV set, the TV launcher application opens. This application helps you to play media files from your device on TVs and other devices.

☀ You may have to purchase cable and adaptor separately.

To view content from your device on a TV which supports MHL input

1. Connect your device to the TV using an MHL cable. ▮ appears in your device's status bar after a connection is established.
2. The **TV launcher** application starts automatically. Follow the instructions to view your media files on the TV.

To view content from your device on a TV which supports HDMI™ input

1. Connect your device to an MHL adaptor, and connect the adaptor to a USB power supply.
2. Connect the adaptor to a TV using a HDMI™ cable. ▮ appears in your device's status bar after a connection is established.
3. The **TV launcher** application starts automatically. Follow the instructions to view your media files on the TV.

To view help about using the TV remote control

1. While your device is connected to the TV set, drag the status bar downwards to open the Notification panel.
2. Tap **MHL connected**.

☀ You can also press the yellow button on the TV remote control to open the Notification panel.

To disconnect your device from the TV set

- Disconnect the MHL™ cable or the MHL adaptor from your device.

Mirroring the screen of the tablet on your device wirelessly

Use Screen mirroring to let you enjoy what is on your Xperia™ tablet on an even bigger screen without using a cable connection. Bluetooth™ 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 a phone via your device's speakers.

To mirror the screen of a phone on your device

1. Make sure both devices have Bluetooth® paired with each other.
2. **Your Xperia™ phone**: From your Home screen, tap ⦂⦂⦂.
3. Find and tap **Settings** > **Xperia™ Connectivity** > **Screen mirroring**.
4. Tap **Standby mode** and select a device.

Mirroring the screen of your device on a TV wirelessly

Use Screen mirroring 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

79

photos from the comfort of your couch. You can also use this feature to listen to music from your device via the TV speakers.

❗ Your TV must support screen mirroring based on Wi-Fi CERTIFIED Miracast™ for the function described above to work. If your TV does not support screen mirroring, you need to purchase a wireless display adapter separately.

❗ 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 your device on a TV screen

1 **TV**: Follow the instructions in the User guide for your TV to turn on the screen mirroring function.
2 **Your device**: From your Home screen, tap ⠿.
3 Find and tap **Settings** > **Xperia™ Connectivity** > **Screen mirroring**.
4 Tap **Turn on Screen mirroring** and select a device.

❗ When using screen mirroring, do not cover the Wi-Fi antenna area of your device.

Sharing content with DLNA Certified™ devices

You can view or play media content saved to your device on other devices such as, for example, a TV, or a computer. Such devices must be DLNA Certified™ by the Digital Living Network Alliance and all devices must be connected to the same Wi-Fi® network in order to share content. You can also view or play content from other DLNA Certified™ devices on your device.

After you set up content sharing between devices, you can, for example, listen to music files stored on your home computer from your device, or view photos taken with your device's camera on a large-screen TV.

Playing files from DLNA Certified™ devices on your device

When you play files from another DLNA Certified™ device on your device, this other device acts as a server. In other words, it shares content over a network. The server device must have its content sharing function enabled and give access permission to your device. It must also be connected to the same Wi-Fi® network as your device.

To play a shared track on your device

1 Make sure the devices that you want to share files with are connected to the same Wi-Fi® network as your device.
2 From your Home screen, tap ⠿, then find and tap **WALKMAN**.
3 Select a device from the list of connected devices.
4 Browse the folders of the connected device and select the track that you want to play. The track starts playing automatically.

To play a shared video on your device

1 Make sure the devices that you want to share files with are connected to the same Wi-Fi® network as your device.
2 From your Home screen, tap ⠿, then find and tap **Movies**.
3 Select a device from the list of connected devices.
4 Browse the folders of the connected device and select the video that you want to play.

To view a shared photo on your device

1 Make sure the devices that you want to share files with are connected to the same Wi-Fi® network as your device.
2 From your Home screen, tap ⠿.
3 Find and tap **Album** > **My albums**. All your available online albums and connected devices are displayed.
4 Select a device from the list of connected devices.
5 Browse the folders of the connected device and select a photo to view it.

80

Preparing to play content from your device on DLNA Certified™ devices

Before you can view or play media files from your device on other DLNA Certified™ devices, you must set up file sharing on your device. The devices that you share content with are called client devices. For example, a TV, computer or tablet can act as client devices. Your device works as a media server when it makes content available to client devices. When you set up file sharing on your device, you must also give access permission to client devices. After you do so, such devices appear as registered devices. Devices that are waiting for access permission are listed as pending devices.

To stop sharing files with other DLNA Certified™ devices

1 From your Home screen, tap ⠿, then find and tap ⬤.
2 Tap ⦚, then tap **Media server**.
3 Drag the slider to turn off the **Share media** function.

To set access permissions for a pending device

1 From your Home screen, tap ⠿, then find and tap ⬤.
2 Tap ⦚, then tap **Media server**.
3 Select a device from the **Pending devices** list.
4 Select an access permission level.

To change the name of a registered device

1 From your Home screen, tap ⠿, then find and tap ⬤.
2 Tap ⦚, then tap **Media server**.
3 Select a device from the **Registered devices** list, then select **Change name**.
4 Enter a new name for the device.

To change the access level of a registered device

1 From your Home screen, tap ⠿, then find and tap ⬤.
2 Tap ⦚, then tap **Media server**.
3 Select a device from the **Registered devices** list.
4 Tap **Change access level** and select an option.

To get help about sharing content with other DLNA Certified™ devices

1 From your Home screen, tap ⠿, then find and tap ⬤.
2 Tap ⦚, then tap **Media server**.
3 Tap ❓.

Playing files on a Digital Media Renderer device

Using DLNA™ technology, you can push media content saved on your device to another device connected to the same Wi-Fi® network. The other device must be able to function as a Digital Media Renderer (DMR) device, which means that it can render, or play, content received from your device. A DMR device can be, for example, a TV with DLNA function, or a PC running Windows® 7 or higher.

! The settings for enabling the Digital Media Renderer may vary depending on the device used. Refer to the user guide for the respective device for more detailed information.

! Content with Digital Rights Management (DRM) cannot be played on a Digital Media Renderer device using DLNA™ technology.

To view photos or videos from your device on a DMR device

1 Make sure that you have correctly set up the DMR device and that it is connected to the same Wi-Fi® network as your device.
2 From your Home screen, tap ⠿.
3 Find and tap **Album**.
4 Browse to and open the file that you want to view.
5 Tap the screen to display the toolbars, then tap ⬚ and select a DMR device to share your content with. The selected files start playing in chronological order on the device that you select.
6 To disconnect from the DMR device, tap ⬚ and select your device. The file stops playing on the DMR device but continues playing on your device.

-ʘ- You can also share a video from the Movies application on your device by tapping the video and then tapping ⬚.

To play a music track from your device on a DMR device

1 Make sure that you have correctly set up the DMR device and that it is connected to the same Wi-Fi® network as your device.
2 From your Home screen, tap ⠿, then find and tap **WALKMAN**.
3 Select a music category and browse to the track that you want to share, then tap the track.
4 Tap ⬚ and select a DMR device to share your content with. The track plays automatically on the device that you select.
5 To disconnect from the DMR device, tap ⬚ and select your device. The track stops playing on the DMR device but continues playing on your device.

Playing games on a TV using a DUALSHOCK™3 wireless controller

Play PlayStation® Mobile games stored on your device on a TV and control the games with your DUALSHOCK™3 wireless controller. To mirror the game on the TV screen, see *Mirroring the screen of your device on a TV wirelessly* on page 91.

-ʘ- To setup a connection with a DUALSHOCK™3 wireless controller, a USB on-the-go adapter is required.

To connect a DUALSHOCK™3 wireless controller to your device

1 Make sure the Bluetooth™ function on your device is turned on.
2 Connect a USB ON-THE-GO (OTG) adaptor to your phone.
3 Connect the DUALSHOCK™3 wireless controller to the OTG adaptor using a USB cable
4 When a notification **Controller connected(wired)** appears in the status bar, unplug USB cable.
5 When a notification **Controller connected(wireless)** appears in the status bar, the wireless connection is ready

NFC

Use Near Field Communications (NFC) to share data with other devices, such as a video, photo, web page address, music file or contact. You can also use NFC to scan tags that give you more information about a product or service as well as tags that enable 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.

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

To turn on the NFC function

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **More…**.
3 Tick the **NFC** checkbox.

NFC detection area

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

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.
2 To view contacts, go to your Home screen, tap ⠿, then tap ⚹.
3 Tap the contact that you want to share.
4 Hold your device and the receiving device back to back so that the NFC detection areas of each device touch each other. 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 displayed on the screen of the receiving device and is also saved on the receiving device.

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.
2 To open the "WALKMAN™" application, tap ⋮⋮⋮, then 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 Hold your device and the receiving device back to back so that the NFC detection areas of each device touch each other. When the devices connect, a thumbnail of the track appears.
6 Tap the thumbnail to start the transfer.
7 When the transfer is complete, the music file plays immediately on the receiving device. At the same time, the file is saved on the receiving device.

! You might not be able to copy, send or transfer copyright-protected items.

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.
2 To view photos and videos in your device, go to your Home screen, tap ⋮⋮⋮, then find and tap **Album**.
3 Tap the photo or video that you want to share.
4 Hold your device and the receiving device back to back so that the NFC detection areas of each device touch each other. When the devices connect, a thumbnail of the track appears.
5 Tap the thumbnail to start the transfer.
6 When the transfer is done, the photo or video is displayed on the screen of the receiving device. At the same time, the item is saved on the receiving device.

✦ You can also use NFC to share a video from the Movies application.

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.
2 From your Home screen, tap ⋮⋮⋮.
3 To open the web browser, find and tap 🔖.
4 Load the web page that you want to share.
5 Hold your device and the receiving device back to back so that the NFC detection areas of each device touch each other. When the devices connect, a thumbnail of the track appears.
6 Tap the thumbnail to start the transfer.
7 When the transfer is done, the web page is displayed on the screen of the receiving device.

Scanning NFC tags

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

To scan an NFC tag

1 Make sure that your device has the NFC function turned on and that the screen is active.
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.
3 To open the tag, tap 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® enabled 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. Turn on the Bluetooth® function in your device and create wireless connections to other Bluetooth® compatible devices, such as computers, handsfree accessories, and phones. 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.

To turn on the Bluetooth® function and make your device visible

1 From your Home screen, tap ⠿.
2 Find and tap **Settings**.
3 Tap the on-off switch beside **Bluetooth** to turn on the Bluetooth® function.
4 Tap **Bluetooth**. Your device and a list of available Bluetooth® devices appear.
5 Tap your device name to make your device visible to other Bluetooth® devices.

To adjust your device's visibility time to other Bluetooth™ devices

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Bluetooth**.
3 Press ⦙ and select **Visibility timeout**.
4 Select an option.

Naming your 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 From your Home screen, tap ⠿.
3 Find and tap **Settings** > **Bluetooth**.
4 Tap ⦙ and select **Rename tablet**.
5 Enter a name for your device.
6 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, 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 your device with has the Bluetooth® function enabled and is visible to other Bluetooth® devices.
2   From your Home screen, tap ⸬.
3   Find and tap **Settings** > **Bluetooth**. All available Bluetooth® devices appear in a list.
4   Tap the Bluetooth® device that you want to pair with your device.
5   Enter a passcode, if required, or confirm the same passcode on both devices. Your device and the Bluetooth® device are now paired.

To connect your device to another Bluetooth® device

1   From your Home screen, tap ⸬.
2   Find and tap **Settings** > **Bluetooth**.
3   Tap the Bluetooth® device to which you want to connect your device.

To unpair a Bluetooth® device

1   From your Home screen, tap ⸬.
2   Find and tap **Settings** > **Bluetooth**.
3   Under **Paired devices**, tap ⚙ beside the name of the device that you want to unpair.
4   Tap **Unpair**.

Sending and receiving items using Bluetooth® technology

Share items with other Bluetooth® compatible devices, such as computers.

You can send and receive several kinds of items using the Bluetooth® function, such as:

* Photos and videos
* Music and other audio files
* Contacts
* Web pages

To send items using Bluetooth®

1   **Receiving device:** Make sure the Bluetooth® function is turned on and that the device is visible to other Bluetooth® devices.
2   **Sending device:** Open the application which contains the item that you want to send, and scroll to the item.
3   Depending on the application and on the item that you want to send, you may need to, for example, touch and hold the item, open the item, and press ⧏. Other ways to send an item may exist.
4   Select **Bluetooth**.
5   Turn on Bluetooth® if you are asked to do so.
6   Tap the name of the receiving device.
7   **Receiving device:** If asked, accept the connection.
8   **Sending device:** If asked, confirm the transfer to the receiving device.
9   **Receiving device:** Accept the incoming item.

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. From your Home screen, tap ⠿.
2. Find and tap **Settings** > **Bluetooth**.
3. Press ⠇ and select **Show received files**.

Smart apps and features that save you time

Controlling accessories and settings with Smart Connect

Use the Smart Connect application to set what happens on your device when you connect or disconnect an accessory. For example, you can decide to always start the FM radio application when you connect a headset.

You can also use Smart Connect to set a specific action or a group of actions to launch on your device at certain times of the day. For example, when you connect your headset between 7am and 9am, you can decide that:

- The "WALKMAN" application starts.
- The web browser opens the morning paper.
- The ring volume is set to vibrate.

With Smart Connect, you can also manage your accessories such as SmartTags and SmartWatch. Refer to the User guide of the specific smart accessory for more information.
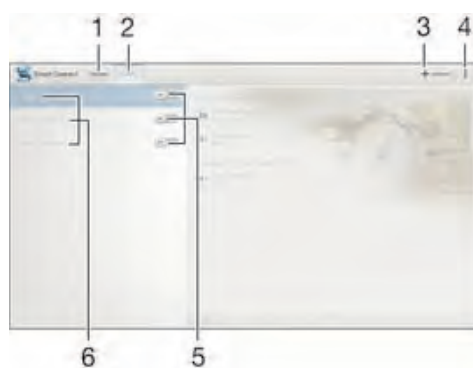
1	Tap to display all added devices
2	Tap to display all added events
3	Add a device or an event
4	View menu options
5	Tap to activate an event
6	Tap to view details of an event

To create a Smart Connect event

1 From your Home screen, tap ⦂⦂⦂, then find and tap ▤.
2 If you are opening Smart Connect for the first time, tap **OK** to close the introduction screen.
3 On the **Events** tab, tap ＋.
4 If you are creating an event for the first time, tap **OK** again to close the introduction screen.
5 Add conditions under which you want to trigger the event. A condition could be the connection with an accessory, or a specific time interval, or both.
6 Tap ➜ to continue.
7 Add what you want to happen when connecting an accessory, or set a specified time, then add what you want to happen when you disconnect the accessory or when the time interval comes to an end.
8 Tap ➜ to continue.
9 Set an event name, then tap **Finish**.

훯 To add a Bluetooth® accessory, you have to first pair it with your device.

To edit a Smart Connect event

1 Start the Smart Connection application.
2 On the **Events** tab, tap an event.
3 If the event is switched off, drag the slider to the right to turn it on.
4 Tap **Edit**, then adjust the settings as desired.

To delete an event

1 Start the Smart Connection application.
2 On the **Events** tab, touch and hold the event that you want to delete, then tap **Delete event**.
3 Tap **Delete** to confirm.

ϙ You can also tap to enter the event that you want to delete, then tap ⁝ > **Delete event** > **Delete**.

Managing devices

Use the Smart Connect application to manage a range of smart accessories that you can connect to your device, including SmartTags, SmartWatch and Smart Wireless Headset pro from Sony. Smart Connect downloads any necessary applications and also finds third-party applications, when available. Previously connected devices show in a list that allows you to get more information about the features of each device.

To pair and connect an accessory

1 Start the Smart Connection application. If you are opening Smart Connect for the first time, tap **OK** to close the introduction screen.
2 Tap **Devices**, then tap +.
3 Tap **OK** to start searching for devices.
4 In the search result list, tap the name of the device that you want to add.

To adjust the settings for a connected accessory

1 Pair and connect the accessory with your device.
2 Start the Smart Connection application.
3 Tap **Devices**, then tap the name of the connected accessory.
4 Adjust the desired settings.

Using your device as a wallet

You can use wallet applications and services that let you store credit card, debit card and other information on your device so that you can pay for goods without reaching for your real wallet. You can also keep information about special offers on your device.

To be able to pay for goods using your mobile device, you need to first sign up with a wallet payment service. They can be offered, for example, by Google or by your network operator. For more information about such wallet services, refer to your service provider. You can read more about Google Wallet™ at http://support.google.com/wallet/.

! Mobile payment services may not yet be available in all regions.

Travel and maps

Using location services

Location services allow applications, such as Maps and the camera, to use information from Wi-Fi® networks and Global Positioning System (GPS) information to determine your approximate location. If you're not within a clear line of sight to GPS satellites, your device can determine your location using the Wi-Fi® function. And if you're not within range of a Wi-Fi® network, your device can determine your location using your mobile network.

In order to use your device to find out where you are, you need to enable location services.

To enable location services

1 From your Home screen, tap :::.
2 Find and tap **Settings** > **Location**.
3 Drag the slider beside **Location** to the right.
4 Tap **Agree** twice to confirm.

! When you enable location services, both **GPS satellites** and **Google's location service** get enabled by default. You can disable either option manually.

To allow Google apps to access your location

1 From your Home screen, tap :::.
2 Find and tap **Settings** > **Google** > **Location settings**.
3 Drag the slider beside **Let Google apps access your location** to the right.

! You must be logged into your Google™ account to be able to use location services.

Improving GPS accuracy

The first time you use the GPS function in your device, it can take 5 to 10 minutes for your location to be found. To help the search, make sure you have a clear view of the sky. Stand still and don't cover the GPS antenna (the highlighted area in the image). GPS signals can pass through clouds and plastic, but not through most solid objects such as buildings and mountains. If your location isn't found after a few minutes, move to another location.

Google Maps™ and navigation

Use Google Maps™ to track your current location, view real-time traffic situations and receive detailed directions to your destination.

When you view a map, you use data traffic to get an Internet connection, and data is transferred to your device. So it's a good idea to save a map and make it available offline before you take a trip. This way, you can avoid high roaming costs.

! The Google Maps™ application requires the use of an Internet connection when used online. You may incur data connection charges when you connect to the Internet from your device. Contact your network operator for more information. The Google Maps™ application may not be available in every market, country or region.

1	View help and options.
2	Enter an address or name to search for a location, for example, a restaurant's name or address.
3	Select a transportation mode and get directions to your destination.
4	View your account profile.
5	Location mark – shows a searched location on the map.
6	Show your current location.

To show your location on the map

1 From your Home screen, tap ⠿.
2 Find and tap **Maps**, then tap ◈.

To search for a location

1 From your Home screen, tap ⠿.
2 Find and tap **Maps**.
3 In the search field, enter the name of the location you want to find.
4 Tap the Enter key on the keyboard to start the search, or select a suggested location from the list. If the search is successful, the location is indicated by 📍 on the map.

To get directions

1 While viewing a map, tap ⑂.
2 Select a transportation mode, then enter your starting point and your destination. The recommended routes appear in a list.
3 Tap an option from the list of recommended routes to view the directions on a map.

To make a map available offline

1 While viewing a map, tap the search field.
2 Scroll to the bottom and tap **Make this map area available offline**. The area shown on the map gets saved to your device.

To learn more about Google Maps™

• When you use Google Maps™, tap ⦚ , then tap **Help**.

Using data traffic when travelling

When you travel outside your home mobile network, you might need to access the Internet using mobile data traffic. In this case, you need to activate data roaming on your device. You are advised to check the relevant data transmission charges in advance.

! If you are using a device with multiple users, you may need to log in as the owner, that is, the primary user, to enable or disable data roaming.

To activate or deactivate data roaming

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **More…** > **Mobile networks**.
3 Tick or untick the **Data roaming** checkbox.

! You can't enable data roaming when mobile data is turned off.

Using your device with a car infotainment system

Connect your device to a MirrorLink™ certified car infotainment system using a USB cable to, for example, use a navigation app or play music from your device while driving. The car infotainment system mirrors all features on your device and gives you access to all applications. When connected, you can navigate the apps using the car infotainment system controls.

! Some applications may not be available in driving mode. Also, protected data, such as videos that are strictly protected under Digital Rights Management (DRM), are not made available via MirrorLink™.

To connect your device to a car infotainment system

• Connect your device and the car infotainment system using a USB cable. The screen of your device appears on the screen of the infotainment system.

! You may need to start MirrorLink™ manually if the connection between your device and the infotainment system is not established automatically.

To start MirrorLink™ manually

1 Make sure that your device is connected to the car infotainment system using a USB cable.
2 From your Home screen, tap ⠿.
3 Find and tap **Settings** > **Xperia™ Connectivity** > **Start MirrorLink™**.
4 Tap **OK**.

Airplane mode

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

᳁ Turning on Airplane mode reduces battery consumption.

To turn on Airplane mode

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **More…**.
3 Tick the **Airplane mode** checkbox.

᳁ You can also press and hold down the power key ⏻ and then select **Airplane mode** in the menu that opens.

Calendar and alarm clock

Calendar

Use the Calendar application to manage your time schedule. If you have signed into and sychronised your device with one or several online accounts that include calendars, for example, your Google™ account or Xperia™ with Facebook account, then calendar events from these accounts will also appear in the Calendar application. You can select which calendars you want to integrate into the combined Calendar view.

When an appointment time approaches, your device plays a notification sound to remind you. Also, ▦ appears in the status bar.

🔆 You can also synchronise your Outlook calendar with your device using PC Companion. If you do so, all appointments from your Outlook calendar will appear in the calendar view of your device.

1	Select a view type and the calendars that you want to view
2	Add a calendar event
3	Search for events
4	Return to the current date
5	Access settings and other options
6	Agenda for the selected day
7	Flick left or right to browse more quickly

To create a calendar event

1 From your Home screen, tap ⋮⋮⋮, then tap **Calendar**.
2 Tap +**New event**.
3 If you have synchronised your calendar with one or more accounts, select the account to which you want to add this event. If you only want to add this event on your device, tap **Device calendar**.
4 Enter or select the desired information and add attendees to the event.
5 To save the event and send out invitations, tap **Done**.

To view a calendar event

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

To view multiple calendars

1 From your Home screen, tap ⋮⋮⋮, then find and tap **Calendar**.
2 Tap ▭, then tick the checkboxes for the calendars you want to view.

To zoom the calendar view

• When you have selected the **Week** or the **Day** view, pinch the screen to zoom in.

To display national holidays in the Calendar application

1 From your Home screen, tap ⠿, then tap **Calendar**.
2 Tap ⁞, then tap **Settings** > **Calendar view settings**.
3 Tap **National holidays**.
4 Select an option, or a combination of options, then tap **OK**.

To display birthdays in Calendars

1 From your Home screen, tap ⠿, then tap **Calendar**.
2 Tap ⁞, then tap **Settings** > **Calendar view settings**.
3 Drag the slider besides **Birthdays** to the right.
4 Tap **Birthdays**, then select which contact group you want to display birthdays for.

To display weather forecast in Calendar

1 From your Home screen, tap ⠿, then tap **Calendar**.
2 Tap ⁞, then tap **Settings** > **Calendar view settings**.
3 Drag the slider next to **Weather forecast** to the right.
4 If **Location services** is disabled, tap **Add**, then search for the city you want to add.

💡 To enable **Location services**, see *Using location services* on page 102.

To change weather forecast settings in Calendar

1 From your Home screen, tap ⠿, then tap **Calendar**.
2 Tap ⁞, then tap **Settings** > **Calendar view settings**.
3 Tap **Weather forecast**.
4 Adjust the settings as you wish.

Alarm and clock

You can set one or more alarms and use any sound saved on your device as the alarm signal. The alarm does not sound if your device is turned off. But it does sound when the device is set to silent mode.

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

1	Access the alarm home screen
2	View a world clock and adjust settings
3	Access the stopwatch function
4	Access the timer function
5	Open date and time settings for the clock
6	Turn an alarm on or off
7	View options
8	Add a new alarm

To set a new alarm

1 From your Home screen, tap ⠿.
2 Find and tap **Alarm & clock**.
3 Tap +.
4 Tap **Time** and adjust the time by scrolling up and down.
5 Tap **Set**.
6 If desired, edit other alarm settings.
7 Tap **Done**.

To snooze an alarm when it sounds

• Tap **Snooze**.

To turn off an alarm when it sounds

• Slide 🕑 to the right.

To edit an existing alarm

1 Open the Alarm & clock application, then tap the alarm that you want to edit.
2 Make the desired changes.
3 Tap **Done**.

To turn on or off an alarm

• Open the Alarm & clock application, then drag the slider next to the alarm to the on or off position.

To delete an alarm

1 Open the Alarm & clock application, then touch and hold the alarm that you want to delete.
2 Tap **Delete alarm**, then tap **Yes**.

To set the sound for an alarm

1 Open the Alarm & clock application, then tap the alarm that you want to edit.
2 Tap **Alarm sound** and select an option, or tap 🎵 to select from your music files.
3 Tap **Done** twice.

To set a recurring alarm

1 Open the Alarm & clock application, then tap the alarm that you want to edit.
2 Tap **Repeat**.
3 Tick the checkboxes for the desired days, then tap **OK**.
4 Tap **Done**.

To activate the vibrate function for an alarm

1 Open the Alarm & clock application, then tap the alarm that you want to edit.
2 Tick the **Vibrate** checkbox.
3 Tap **Done**.

To set alarms to sound when the device is in silent mode

1 Open the Alarm & clock application, then tap the alarm that you want to edit.
2 Tick the **Alarm in silent mode** checkbox, then tap **Done**.

Support and maintenance

Support for your device

Use the Support application in your device to search a User guide, read troubleshooting guides, and find information about software updates and other product-related information.

To access the Support application

1 From your Home screen, tap ⠿.
2 Find and tap 📑, then select the required support item.

❗ Make sure that you have a working Internet connection, preferably over Wi-Fi®, to limit data traffic charges when using the Support application.

Help in menus and applications

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

Help us improve our software

You can enable 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 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **About tablet** > **Usage info settings**.
3 Tick the **Send usage info** checkbox if it is not already ticked.
4 Tap **Agree**.

Computer tools

Managing media files using Media Go™ for Microsoft® Windows®

The Media Go™ application for Windows® computers helps you transfer and manage photos, videos, and music in your device and computer. Read more about how to use the application, please go to *mediago.sony.com*.

You need one of these operating systems to use the Media Go™ application:

- Microsoft® Windows® 7
- Microsoft® Windows Vista®
- Microsoft® Windows® XP (Service Pack 3 or higher)

Updating your device

You should update the software on your device to get the latest functions, 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.

The easiest way to install a software update is to do it wirelessly from your device. However, some updates are not available for wireless download.

For more information about software updates, go to *Software update*.

To check for new software

1 From your Home screen, tap ⠿.
2 Find and tap **Update Center**.
3 To check that you have the latest system software installed, tap **System**. To check for updates to applications installed on your device, tap **Updates**.

Updating your device wirelessly

Use the Update Center application to update your device wirelessly. It handles both application updates and system updates and can also facilitate the download of new applications developed for your device. The updates that you can download over a mobile network depend on your operator. You are advised to use a Wi-Fi® network instead of a mobile network to download new software to avoid data traffic costs.

To download and install a system update

1 From your Home screen, tap ⠿.
2 Find and tap **Update Center** > **System**.
3 Select the desired system update, then tap ↓.
4 When the download is finished, tap ⤴ and follow the on-screen instructions to complete the installation.

To download and install application updates

1 From your Home screen, tap ⠿.
2 Find and tap **Update Center** > **System**.
3 To download a particular application update, select the update, then tap ↓. To download all available application updates, tap ⬇. Updates install automatically after download.

Finding a lost device

If you have a Google™ account, the my Xperia web service can help you locate and secure your device if you ever lose it. You can:

- Locate your device on a map.
- Sound an alert even if the device is in silent mode.
- Remotely lock the device and make the device display your contact information to anyone who finds it.
- As a last resort, remotely clear the internal and external memory of the device.

! The my Xperia service may not be available in all countries/regions.

To activate the my Xperia service

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Security** > **my Xperia** > **Activate**.
3 Mark the checkbox, then tap **Accept**.

! To verify that the my Xperia service can locate your device, go to *myxperia.sonymobile.com* and sign in using the same Google™ account that you have set up on your device.

IMEI number

Every device has a unique IMEI (International Mobile Equipment Identity) number. You should keep a copy of this number. If your device is stolen, your network provider can use your IMEI number to stop the device from accessing the network in your country.

To view your IMEI number

Battery and power management

Your device has an embedded battery. You can keep track of your battery consumption and see which applications are using the most power. You can also view an estimate of how much time is left before your battery runs out. The estimated battery time is based on your most recent usage pattern.

To make the battery last longer you can use one or more battery saving modes, which include STAMINA mode, Low battery mode, Location-based Wi-Fi®, and Queue background data mode. Each mode works in a different way and controls several power consuming functions on your device.

To view which applications use the most battery power

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Power management** > **Battery usage**.

To view the estimated battery time

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Power management**.

Improving battery time using STAMINA mode

Use STAMINA mode to automatically improve the battery time when the battery level reaches a set level. STAMINA mode can extend the standby time by disabling your mobile data and Wi-Fi® connections when the screen is inactive. Once the screen is active again, the paused connections are resumed immediately. You can also choose to exclude some applications or services from being paused by STAMINA mode.

STAMINA mode can also adjust the hardware performance while the device continues to function normally. In this way, you can use your device normally and the battery life can also last longer.

! If you are using a device with multiple users, you may need to log in as the owner, that is, the primary user, to enable or disable the **STAMINA mode** feature.

To activate STAMINA mode

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Power management**.
3 Drag the slider beside **STAMINA mode** to the right, then tap **Activate** if prompted. ⊞ appears in the status bar once the battery reaches a set level.

! If you are activating STAMINA mode for the first time, the **Extended standby** checkbox is ticked by default.

To choose when to activate STAMINA mode

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Power management** > **STAMINA mode** > **Activation**.
3 Drag the slider to adjust the battery level from which you want to enable STAMINA mode.
4 Tap **OK**.

☀ ⊞ appears in the status bar when the battery reaches the level you have set.

To activate Extended standby

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Power management**, then tap **STAMINA mode**.
3 Tick the **Extended standby** checkbox if it is not already ticked, then tap **Activate** if prompted.

To select which applications to run in STAMINA mode

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Power management**, then tap **STAMINA mode**.
3 Make sure that the **Extended standby** checkbox is ticked, then tap **Apps active in standby** > **Add applications**.
4 Scroll left or right to add or remove applications or services as desired.
5 When you're finished, tap **Done**.

To restrict the hardware performance

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Power management**, then tap **STAMINA mode**.
3 Tick the **Restrict performance** checkbox, then tap **Activate** if prompted.

! If the performance of your device is reduced sharply, unmark the **Restrict performance** checkbox to allow the hardware performance.

Improving battery time using Low battery mode

Use the **Low battery mode** feature to automatically start saving power when the battery reaches a certain charge level. You can set and readjust this charge level as desired. You can also decide which functions to keep active, for example, mobile data traffic, Wi-Fi® or auto-sync.

! If you are using a device with multiple users, only the owner, that is, the primary user, can adjust the settings for Low battery mode as well as activate or deactivate the feature. Changes made by the owner affect all other users.

To activate Low battery mode

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Power management**.
3 Drag the slider beside **Low battery mode** to the right.
4 If prompted, tap **Activate**. ◉ appears in the status bar when the battery reaches the level you have set.

To change the settings for Low battery mode

1 From your Home screen, tap :::.
2 Find and tap **Settings** > **Power management**.
3 Make sure that **Low battery mode** is enabled, then tap **Low battery mode**.
4 Change the settings, for example, readjust the battery level, as desired.

Improving battery time using Location-based Wi-Fi®

The **Location-based Wi-Fi** feature sets your device to only activate the Wi-Fi®
function when it comes within range of a saved Wi-Fi® network. This way you save
battery power but still have the convenience of automatic Wi-Fi® connections.

! If you are using a device with multiple users, you may need to log in as the owner, that is, the
primary user, to activate or deactivate the **Location-based Wi-Fi** feature. Changes made by
the owner affect all other users.

To activate the Location-based Wi-Fi® feature

1 From your Home screen, tap :::.
2 Find and tap **Settings** > **Power management**.
3 Drag the slider beside **Location-based Wi-Fi** to the right.

Improving battery time by queuing background data

You can improve battery performance by setting your device to send background
data at pre-defined intervals when you are not using it, that is, when the screen is not
active. If you are using a device with multiple users, you may need to log in as the
owner, that is, the primary user, to allow or disallow the queuing of background data.
Changes made by the owner affect all other users.

To allow the queuing of background data

1 From your Home screen, tap :::.
2 Find and tap **Settings** > **Power management**.
3 Mark the checkbox beside **Queue background data**.

Memory and storage

Your device has different types of memory and storage possibilities for photos, apps
and other files:

- The **internal storage** is about **12** GB and is used to store downloaded or transferred
content along with personal settings and data. Examples are alarm, volume and
language settings, emails, bookmarks, call logs, contacts, messages, calendar
events, photos, videos and music.
- You can use a removable **memory card** of up to **64** GB to get more storage space.
Most applications can read data from a memory card but only certain apps can save
files to this type of memory. You can, for example, set the camera application to save
photos directly to the memory card.
- The **dynamic memory (RAM)** is about **2** GB and cannot be used for storage. RAM is
used to handle running applications and the operating system.

! You may have to purchase a memory card separately.

Read more about the use of memory in Android devices by downloading the White
paper for your device at *Support documents*.

Improving memory performance

The memory in your device 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 have more than **100** MB of free internal storage and more than **100** MB of free
RAM.
- Close down 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 it.

To view the memory status

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Storage**.

To view the amount of free and used RAM

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Apps** > **Running**.

To clear the cache memory for all applications

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Storage**.
3 Tap **Cached data** > **OK**.

! 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 in your device.
2 From your Home screen, tap ⠿.
3 Find and tap **Settings** > **Storage** > **Transfer data to SD card**.
4 Tick the file types that you want to transfer to the memory card.
5 Tap **Transfer**.

To stop applications and services from running

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Apps** > **Running**.
3 Select an application or service, then tap **Stop**.

To format the memory card

1 From your Home screen, tap ⠿.
2 Find and tap **Settings** > **Storage** > **Erase SD card**.
3 To confirm, tap **Erase SD card** > **Erase everything**

! All content on the memory card is erased when you format it. Make sure you make backups of all data you want to save before formatting the memory card. To back up your content, you can copy it to a computer. For more information, see *Managing files using a computer* on page 114.

Managing files using a computer

If you have an Apple® Mac® computer, you use the Sony™ Bridge for Mac application to be able to access the file system of your device at *www.sonymobile.com/global-en/tools/bridge-for-mac*.

Use a USB cable connection between a Windows® computer and your device to transfer and manage your files. Once the two devices are connected, you can drag and drop content between your device and the computer, or between your device's internal storage and SD card, using the computer's file explorer.

This is where files are stored on your device:

- Photos and videos taken by the camera: Internal storage or SD card\DCIM.
- Downloaded files from Internet: Internal storage or SD card\Downloads.
- Received files using Bluetooth®: Internal storage or SD card\bluetooth.
- Received files using Android Beam (NFC): Internal storage\beam.
- Screenshots taken on a device: Internal storage\DCIM\Pictures\Screenshots.

If you're transferring music, video, pictures or other media files to your device, use the Media Go™ application on your computer. Media Go™ converts media files so that you can use them on your device. Read more and download Media Go™ at *mediago.sony.com*.

Transferring files using Media transfer mode via Wi-Fi®

You can transfer files between your device and other MTP compatible devices, such as a computer, using a Wi-Fi® connection. Before connecting, you first need to pair the two devices. If you're transferring music, video, pictures or other media files between your device and a computer, it's best to use the Media Go™ application on the computer. Media Go™ converts media files so you can use them on your device.

💡 In order to use this feature, you need a Wi-Fi® enabled device that supports Media transfer, for example, a computer running Microsoft® Windows Vista® or Windows® 7.

To prepare to use your device wirelessly with a computer
1. Make sure Media transfer mode is enabled on your device. It is normally enabled by default.
2. Connect your device to the computer using a USB cable.
3. **Computer**: Once the name of your device appears on the screen, click *Network configuration* and follow the instructions to pair the computer and the device.
4. When you have finished pairing, disconnect the USB cable from both devices.

To connect wirelessly to a paired device
1. Make sure Media transfer mode is enabled on your device. It is normally enabled by default.
2. From your Home screen, tap ⠿.
3. Find and tap **Settings** > **Xperia™ Connectivity** > **USB Connectivity**.
4. Tap the paired device that you want to connect to under **Wireless Media Transfer**.
5. Tap **Connect**.

❗ Make sure the Wi-Fi® function is turned on.

To disconnect from a paired device
1. From your Home screen, tap ⠿.
2. Find and tap **Settings** > **Xperia™ Connectivity** > **USB Connectivity**.
3. Tap the paired device that you want to disconnect from under **Wireless Media Transfer**.
4. Tap **Disconnect**.

To remove a pairing with another device
1. From your Home screen, tap ⠿.
2. Find and tap **Settings** > **Xperia™ Connectivity** > **USB Connectivity**.
3. Tap the paired device that you want to remove.
4. Tap **Forget**.

Restarting and resetting

You can force your device to shut down in situations where it stops responding or won't restart normally. No settings or personal data are deleted. You can also reset your device to its original factory settings, with or without deleting all of your personal data. This action is sometimes necessary if your device stops functioning properly.

❗ When your device cannot be turned on, you may need to charge your device first in the event the problem is caused by a flat battery, and then try to restart or reset as desired.

To force the device to shut down
1. Press and hold down both the volume up key and the power key for 10 seconds.
2. After the device vibrates three times continuously, release the keys. The device turns off automatically.

! To avoid permanent damage to your device, do not restart your device while a reset procedure is underway.

1 Before you start, make sure to back up any important data that is saved on the internal memory of your device to a memory card or other non-internal memory.
2 From your Home screen, tap ⠿.
3 Find and tap **Settings** > **Backup & reset** > **Factory data reset**.
4 To delete information, such as pictures and music, from your internal storage, tick the **Erase internal storage** checkbox.
5 Tap **Reset tablet**.
6 To confirm, tap **Erase everything**.

Using your device in wet and dusty conditions

! To ensure the water resistance of your device, all covers, including the covers for the micro USB port, the nano SIM card slot and the memory card slot, must be firmly closed.

Your smart device is waterproof and dust resistant in compliance with the Ingress Protection ratings IP55 and IP58, as explained in the table below. To view IP test results for your device, go to *www.sonymobile.com/global-en/legal/testresults/* and click on the relevant device name.

These specific IP ratings mean that your device is dust resistant and is protected against low pressure water stream as well as against the effects of immersion for 30 minutes in fresh (non-saline) water up to 1.5 metres deep.

You can use your device:

- in dusty environments, e.g. on a windy beach.
- when your fingers are wet.
- in some extreme weather conditions, e.g. when it's snowing or raining.
- in fresh (non-saline) water depths of 1.5 metres or less, for example, in a fresh water lake or river.
- in a chlorinated swimming pool.

Even though your device is resistant to dust and water, you should avoid exposing it unnecessarily to environments with excessive dust, sand and mud or to moist environments with extreme high or low temperatures. The level of waterproofing of the micro USB port, the nano SIM card slot, the memory card slot and the headset jack cannot be guaranteed in all environments or conditions.

Never immerse your device in salt water or let the micro USB port or headset jack come in contact with salt water. For example, if you're at the beach, remember to keep your device away from the sea water. Also, never expose the device to any liquid chemicals. For example, if you're washing dishes by hand using liquid detergent, avoid bringing your device in contact with the detergent. After exposure to non-fresh water, rinse your device using fresh water.

Normal wear and tear along with damage to your device can reduce its ability to resist dust or moisture. After using the device in water, dry off the areas around all covers, including the covers for the micro USB port, the nano SIM card slot and the memory card slot.

If the speaker or microphone get wet, their function may be effected until the water has completely dried. Please note that drying time can take up to three hours depending on the environment. During this time, you can, however, use other features in the device that do not use the speaker or microphone. All compatible accessories, including batteries, chargers, handsfree devices and micro USB cables, are not waterproof and dust resistant on their own.

Your warranty does not cover damage or defects caused by tampering or improper use of your device (including use in environments where the relevant IP rating limitations are exceeded). If you have any further questions about the use of your products, please contact our Customer support service for help. Also, for warranty information, refer to the *Important information* which can be accessed via the Setup guide on your device.

IP (Ingress Protection) rating

Your device has an IP rating, which means it has undergone certified tests to measure its resistance levels to both dust and water. The first digit in the two-digit IP rating indicates the level of protection against solid objects, including dust. The second digit indicates how resistant the device is to water.

Resistance to solid objects and dust	Resistance to water
IP0X: No special protection	IPX0. No special protection
IP1X. Protected against solid objects > 50 mm in diameter	IPX1. Protected against dripping water
IP2X. Protected against solid objects > 12.5 mm in diameter	IPX2. Protected against dripping water when tilted up to 15 degrees from normal position
IP3X. Protected against solid objects > 2.5 mm in diameter	IPX3. Protected against spraying water
IP4X. Protected against solid objects > 1 mm in diameter	IPX4. Protected against splashing water
IP5X. Protected against dust; limited ingress (no harmful deposit)	IPX5. Protected against water jet spray for at least 3 minutes
IP6X. Dust tight	IPX6. Protected against heavy jet spray for at least 3 minutes
	IPX7. Protected against the effects of immersion in up to 1 metre of water for 30 minutes
	IPX8. Protected against the effects of continued immersion in water depths greater than 1 metre. The exact conditions are specified for each device by the manufacturer.

! For more information, go to *www.sonymobile.com/testresults*.

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 *www.sonymobile.com/recycle*.

Limitations to services and features

Some of the services and features described in this User guide are not supported in all countries/regions or by all networks and/or service providers in all areas. Without limitation, this applies to the GSM International Emergency Number, 112. Please contact your network operator or service provider to determine availability of any specific service or feature and whether additional access or usage fees apply.

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

Legal information

SonySGP561

All product and company names mentioned herein are the trademarks or registered trademarks of their respective owners. All other trademarks are property of their respective owners. Any rights not expressly granted herein are reserved. Visit http://www.sonymobile.com/us/legal/ for more information.

This User guide may reference services or applications provided by third parties. Use of such programming or services may require separate registration with the third party provider and may be subject to additional terms of use. For applications accessed on or through a third-party website, please review such websites' terms of use and applicable privacy policy in advance. Sony does not warrant or guarantee the availability or performance of any third-party websites or offered services.

Your mobile device has the capability to download, store and forward additional content, for example, ringtones. The use of such content may be restricted or prohibited by rights of third parties, including but not limited to restriction under applicable copyright laws. You, and not Sony, are entirely responsible for additional content that you download to or forward from your mobile device. Prior to your use of any additional content, please verify that your intended use is properly licensed or is otherwise authorized. Sony does not guarantee the accuracy, integrity or quality of any additional content or any other third party content. Under no circumstances will Sony be liable in any way for your improper use of additional content or other third party content.

Visit http://www.sonymobile.com/ for more information.

This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a licence from Microsoft.

Content owners use Windows Media digital rights management technology (WMDRM) to protect their intellectual property, including copyrights. This device uses WMDRM software to access WMDRM-protected content. If the WMDRM software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect unprotected content. When you download licences for protected content, you agree that Microsoft may include a revocation list with the licences. Content owners may require you to upgrade WMDRM to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade.

This product is licensed under the MPEG-4 visual and AVC patent portfolio licences for the personal and non-commercial use of a consumer for (i) encoding video in compliance with the MPEG-4 visual standard ("MPEG-4 video") or the AVC standard ("AVC video") and/or (ii) decoding MPEG- 4 or AVC video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licenced by MPEG LA to provide MPEG-4 and/or AVC video. No licence is granted or shall be implied for any other use. Additional information including that relating to promotional, internal and commercial uses and licensing may be obtained from MPEG LA, L.L.C. See http://www.mpegla.com. MPEG Layer-3 audio decoding technology licenced from Fraunhofer IIS and Thomson.

SONY MOBILE WILL NOT BE LIABLE FOR ANY LOSS, ERASURE AND/OR DATA-OVERWRITING OF PERSONAL DATA OR FILES STORED ON YOUR DEVICE (INCLUDING BUT NOT LIMITED TO CONTACTS, MUSIC TRACKS AND PICTURES) ARISING FROM ANY UPDATE OF YOUR DEVICE BY ANY OF THE METHODS DESCRIBED IN THIS USER GUIDE OR DOCUMENTATION. IN NO EVENT SHALL SONY MOBILE OR ITS SUPPLIERS BE LIABLE TO YOU IN ANY WAY FOR ANY AND ALL DAMAGES, LOSSES AND CAUSES OF ACTION (WHETHER IN CONTRACT OR TORT, INCLUDING, BUT NOT LIMITED TO NEGLIGENCE OR OTHERWISE) WHICH EXCEED THE AMOUNT ACTUALLY PAID BY YOU FOR YOUR DEVICE.