XPERIA

SGP412

Basic Manual

Preface

Thank you for buying "Xperia™ ●" (simply called the "product" from here on).
Before using the product, read "Basic Manual" (this manual) and "取扱説明書詳細版 (Full Instruction Manual)" (Japanese) to ensure safe use and handling.

About Operating Instructions

■ Basic Manual (this manual)
Handles only basic operations for main features.
For detailed descriptions on various functions, refer to the "Instruction Manual" (Japanese) application installed on the product.
• Company names and product names referred to in this manual are trademarks or registered trademarks of respective companies. The TM, ® marks may be omitted in this manual.

■ "Instruction Manual" (Japanese) application
This product allows you to use the "Instruction Manual" (Japanese) application on the product to confirm detailed operational procedures.
Certain functions can be directly activated from the application screens on which their operations are described.
From the Home screen, [▦]▶[Instruction Manual] (Japanese)
• When you activate for the first time, follow the onscreen instructions to download and install application.

■ For Those Requiring an English Instruction Manual
You can download the English version of the Basic Manual from the website (available from approximately one month after the product is released).

Safety Precautions

Before you start using the product, make sure to read the "Cautions on using Xperia™ ●" to ensure correct use.

When using the product
• Communication is not possible even inside the service area in places where the signal does not reach (e.g. tunnels and basements). Also, communication is sometimes not possible in poor reception areas. Communication is sometimes interrupted if you move into a poor reception areas during communications.
• Take care not to inconvenience people around you when you use the product in a public place.
• When the product is used by a child, parents or guardians should thoroughly read the "Basic Manual" "Cautions on using Xperia™ ●" and "Specific Absorption Rate (SAR) of cell phones" and teach the child how to use it.
• Before you start using the product overseas, check the relevant laws and regulations of the country/region you visit.

■ Use of the product is not allowed in the following places!
• Do not use the product while driving a car or riding a motorbike or bicycle. Failure to do so might cause a traffic accident. Use of the product while driving a car or motorbike is prohibited by law. Use of the product while riding a bicycle may be punishable by some regulations.
• Do not use this product while you are aboard an airplane. Use of electric devices transmitting radio waves in airplane is prohibited by law. Some airline companies, however, allow their passengers to use tablet devices. For details, contact the airline company you use.

Regarding notations used in this document
• In this manual, keys are represented by simplified illustrations such as ⟲, ⌂, ▭.
• Operations of tapping menu items/icons/buttons on the screen etc. are indicated as [(name of the item etc.)].
• Screen illustrations shown in this manual may look different from the actual screens. In some cases, minor details or a part of a screen may be omitted.
• In this manual, "microSD™ memory card", "microSDHC™ memory card" and "microSDXC™ memory card" are abbreviated as "microSD memory card" or "microSD".

Do you have everything?

Before your start using the product, make sure that you have all the following packaged with the product.
• Xperia™ ●
  (with battery cover)*1

*1 Including warranty
  • 取扱説明書 (Instruction Manual) (Japanese)
  • Xperia™ ●のご利用にあたっての注意事項 (Cautions on using Xperia™ ●) (Japanese)
  • 携帯電話機の比吸収率などについて (Radio Frequency (RF) exposure and Specific Absorption Rate (SAR)) (Japanese)
  • 設定ガイド (Setting Guide) (Japanese)

The following items are not included in the package.
  • microSD memory card
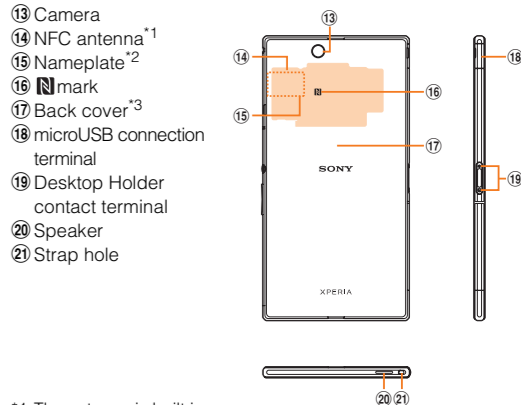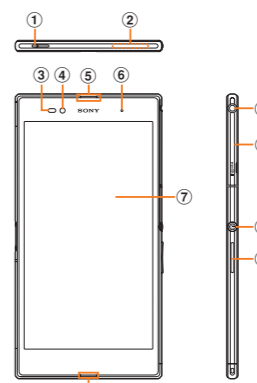 • AC adapter
  • Earphones
  • microUSB cable

❖Information
• Purchase a specified charger (sold separately).
• Illustrations used in this manual are just images for explanations. They may be different from actual ones.

Getting Ready

Names and functions of parts

① Second microphone: Reduces noise to make easy to listen.
② Bluetooth®/Wi-Fi®/GPS antenna part*1
③ Proximity sensor: Switches touch panel on and off to prevent from erroneous operation during a call/Auto-control for display brightness
④ Front camera
⑤ Earpiece
⑥ Notification LED
⑦ Display (Touch panel)
⑧ Microphone
⑨ Headset connection terminal
⑩ microSD memory card insertion slot
⑪ Power key/Screen lock key: ⊚
⑫ Volume key/Zoom key

⑬ Camera
⑭ NFC antenna*1
⑮ Nameplate*2
⑯ N mark
⑰ Back cover*3
⑱ microUSB connection terminal
⑲ Desktop Holder contact terminal
⑳ Speaker
㉑ Strap hole

*1 The antenna is built in. Covering around the antenna by the hand may affect the quality of communication.
*2 Do not remove the nameplate with stickers of IMEI information printed.
*3 Back cover is not removable. Removing so forcibly might cause loss of data or a fault. Also, battery is built into the main unit and not removable by customers.

CE mark and FCC ID

1 **Open the microSD memory card slot cover, and insert a fingernail into the hook at the edge of the label tray, then pull it out straight.**
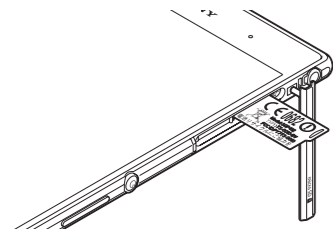
Attaching/Removing microSD memory card

Before attaching/removing the microSD memory card, make sure to turn off the product. Do not attach the AC adapter.

■ Attaching microSD memory card
1 **Confirm the orientation of the microSD memory card and insert it in the direction of the arrow**
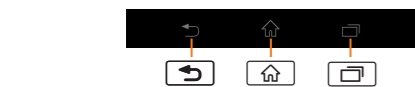 Insert the SD memory card with contact side down.

❖Information
• Insert a microSD memory card in the appropriate direction. Inserting a microSD memory card forcefully into the slot could result in failure to remove the microSD memory card or damage.

■ Removing microSD memory card
1 **While pressing the microSD memory card with tip of your finger, slide it out**
2 **Attach the battery pack and the battery cover, and press each tab to close firmly**

Charging

When you purchase your product, the battery pack is not fully charged. Make sure to charge the battery pack before use.

❖Information
• When the charging starts, notification LED turns in red/orange/green according to the battery level. Green LED indicates that the battery charge reaches 90 percent or more. To check the battery level, see the status bar in the top of the Home screen. Alternatively, from the Home screen, [▦]▶[Settings]▶[About phone]▶[Status] and see "Battery level". When the battery charge reaches 100 percent, "100%" is shown on the status bar, "Battery level" and the unlock screen.
• When the battery level becomes 14 percent or less, a pop-up window "Connect charger" appears. Tap "Battery info" to check battery usage.
• When you start charging the battery with the product powered off, the power turns on even though operation is not available. Do not charge the battery in a place where the use is prohibited such as in airplane or hospital.
• It may take longer to complete for charging with a PC or while using the camera function.

■ Charging with the AC adapter
Charging with AC adapter (sold separately) is explained.
1 **Open the microUSB connection terminal cover of the product and insert the microUSB plug of AC adapter (sold separately), with the printed side (▲) facing up, straight into the microUSB connection terminal of the product**
2 **Insert the power plug of AC adapter (sold separately) into an outlet**
  Notification LED lights on the product.
3 **When charging is complete, remove the microUSB plug of AC adapter (sold separately) from the product and close the microUSB connection terminal cover firmly**
4 **Remove AC adapter (sold separately) from the outlet**

■ Charging with a PC
The followings describe charging procedure by connecting the product to chargeable USB port on a PC using the microUSB cable of Sony Mobile AC adapter 05 (sold separately).
1 **Open the microUSB connection terminal cover and insert the microUSB plug of the microUSB cable, with the printed side (⇌) facing up, straight into the microUSB connection terminal of the product**
2 **Insert the USB plug of the microUSB cable into the USB port of a PC**
  Notification LED lights on the product.
  When a confirmation screen for installation of PC Companion software appears on the product, tap "Skip". When a screen for new hardware detection etc. appears on the PC, select "Cancel".
3 **When charging is complete, remove the microUSB plug of the microUSB cable from the product and close the microUSB connection terminal cover firmly**
4 **Remove the USB plug of the microUSB cable from the USB port of the PC**

❖Information
• Installation of MTP driver to a PC is required to charge the product with a Microsoft Windows XP PC, since "USB connection mode" is set to "Media transfer mode (MTP)" by default. Install Windows Media Player 10 or later to install MTP driver.

Turning on (Initial settings)

Turning the power on
1 ⊚ (over 1 sec)
  The product vibrates and after a while the unlock screen appears.
2 **Swipe the screen up or down**

■ Turning the power off
1 ⊚ (over 1 sec)
2 **[Power off]▶[OK]**

❖Information
• Press ⊚ for over 1 second and long-touch "Power Off" → [OK] to restart product.

Initial settings
When you turn on the product for the first time, swipe (flick) the screen up or down to unlock screen lock and follow the onscreen instructions to set language, functions, service, etc. For details, refer to "Setting Guide".

❖Information
• Setup items can be set or changed later as required. To change the language later, from the Home screen, [▦]▶[Settings]▶[言語と入力 (Language & input)]▶[地域／言語 (Language)]. To make settings, from the Home screen, [▦]▶[Settings]▶[Setup guide].

Screen Lock

When the screen lock is set, the backlight turns off to avoid the keys and touch panel from false operations.
• When the specified time elapses, the product's screen backlight turns off automatically and screen lock is activated.

1 **While the screen is displayed,** ⊚

■ Unlocking screen
The unlock screen appears when turning the power on or the backlight on by pressing ⊚.

1 **Swipe (flick) the screen up or down on the unlock screen**

❖Information
• By default, drag "📷" left to activate the camera, and drag "🎵" right to activate WALKMAN.

Basic Operation

Key icons
The followings are the main functions of ⟲, ⌂, ▭ keys located at the bottom of the screen.

⟲ Back	Return to the previous screen. Close a dialog box, menu, or the Notifications panel.
⌂ Home	Display the Home screen. Long-touch and drag it to "🔍" to activate "Google" application.
▭ Recently used applications	You can display recently used applications on a list and activate or delete them from the list. Also, you can use and set small apps.

Using the touch panel
The display on the product is a touch panel operated by touching it with your finger.

■ Tap/Double-tap
Tap: Gently touch a screen and then immediately release your finger. Double tap: Tap the same position twice.

■ Long-touch
Keep touching an item with your finger.

■ Slide
While your finger is gently touching the screen, trace it to the desired direction to move over.

■ Flick (swipe)
Operate the screen by quickly moving (flicking) your finger up, down, right, or left.

■ Pinch
Touch the screen with two fingers and widen (pinch-out) or narrow (pinch-in) the fingers' distance.

■ Drag
Keep touching an item or icon, trace it to the desired direction to move.

Home screen

Home screen consists of multiple screens. Slide/flick left or right to switch them. The center screen is the default screen to operate. Tap ⌂ to return to the Home screen any time.

① Home screen position
  Indicates which screen of the five Home screens you are in.
② Widgets
③ Wallpapers
④ Shortcuts
⑤ Application key

Adding to Home screen/Editing Home screen

You can change wallpaper or theme of the Home screen and add/delete/move shortcuts of applications, widgets, folders, etc. on the Home screen.
• You can add wallpapers by downloading from websites.

1 **Long-touch an area of the Home screen where no icons are displayed**
  Alternatively, pinch-in on the Home screen.

2 | WIDGETS | Add a widget on the Home screen. |
|---|---|
| APPS | Add a shortcut of an application, a setting screen, etc. on the Home screen. |

WALLPAPERS	Album	Select an image from albums to set as a wallpaper. • To set image range, drag or pinch to adjust cropping area and tap "Crop".
	Live Wallpapers	Select a content from albums to set as a wallpaper.
	(Xperia™'s Wallpaper)	Select an image to set as a wallpaper. • Images displayed to the right of "Albums"/"Live Wallpapers" are "Xperia™'s Wallpaper".
THEMES		Set the Home screen image or the unlock screen image.

■ Adding a folder
1 **From the Home screen, long-touch an icon**
2 **Drag the icon onto another icon**
3 **Enter a folder name▶[Done]**

■ Deleting shortcuts/widgets/folders
1 **From the Home screen, long-touch an icon or a folder you want to delete**
  🗑 appears at the bottom of the screen.
2 **Drag the icon or the folder to "🗑"**
  To delete the folder, tap "Delete" after Step 2. Shortcuts etc. in the folder are also deleted.

❖Information
• Long-touch a shortcut, widget, or folder icon to move.

Using the Applications screen

You can call up functions from the Applications screen. Application icons installed to the product are also displayed.
• When you tap application icons to use respective functions, you may incur communication charges depending on the function.

■ Starting an application
1 **From the Home screen, [▦]**
  The Applications screen appears. Slide or flick left or right to switch the Applications screen.
2 **Tap an application to use**

■ Main applications

📇	Contacts		▶	Play Store
	E-mail		📷/🖼	Camera, Album
	Browser			Maps
	Settings		🔍/🎤	Google, Voice Search
/31	Alarm & clock, Calendar			Instruction Manual

■ Downloading applications
You can download applications such as convenient tools and games from the Google Play and install them to use on the product.
• To use Google Play, you need to set a Google account. For details, refer to "Setting Guide".

■ Deleting (uninstalling) applications
Before deleting installed applications, back up contents related to the application that you want to save including data saved in the application.
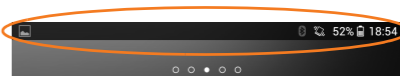
❖Information
• Some applications may not be deleted.

Knowing the status of the product

■ Status bar
The status bar is located at the top of the product screen. On the left of the status bar, notification icons appear to inform new mails, operations in progress, etc., and on the right, status icons appear to indicate the status of the product.

❖Information
• To delete a notification, tap "Clear" or flick the notification left or right to delete from the list.
• Some notifications may not be deleted depending on the content.
• When you set screen lock to "Swipe", slide the status bar downward to check the Notification panel without unlocking the screen.

■ Examples of notification icon

✉	New Gmail message
✉	New PC mail message
	Green Heat energy saving icon (Remove the AC adapter from the power outlet)

	USB connecting
	Wi-Fi®open network available

*1 Appears when switched to another screen such as the Home screen.

■ Main status icons

/	Battery level (100%, Charging)
/	Silent mode (Vibration, Mute)
	Airplane mode is activated.
/	Wi-Fi®connected, Wi-Fi®communicated

■ Notification panel
If any notification icons are displayed, slide down the status bar to open the Notification panel. You can check details of notification icons or start corresponding applications.

■ Notification LED
Notification LED informs charging prompt, battery level while charging, new mails, etc. by turning on or flashing.

| Status	Description
Red	The battery is charging when the remaining battery level is 14% or lower.
Orange	The battery is charging when the remaining battery level is 15% - 89%.
Green	The battery is charging when the remaining battery level is 90% or higher.
Flashing red	The remaining battery level is 14% or lower.
Flashing white	Indicates New Gmail message, new PC mail message.[*1]

[*1] Notification LED flashes when unlock screen is displayed, backlight turned off and screen lock is disabled.

❖Information
- When the remaining battery is not sufficient for turning the product ON, pressing ⊚ makes LED flash red three times.
- When you start charging with the product powered off, the notification LED turns in red. When the status of battery appears on the display, however, the notification LED lights in color for indicating the battery level.
- While using the "Album" application or "WALKMAN" application, the notification LED turns on according to the contents.

■ Setting the Silent Mode
Set the ringtone volume to 0. Note that setting the product to Silent mode does not mute sounds for shutter, playback of video or music, alarm, etc. And adjusting the volume of "Ringtone & notifications" in Sound settings or pressing upper part of ◁ ▷ cancels Silent mode.

1 ⊚ (over 1 sec)
2 [🔀]/[🔁]
   Tap " 🔀 " to set mute (ringtone volume 0) and tap " 🔁 " to set vibrator.

❖Information
- Slide the status bar downward and tap " 🔁 " to set vibrator or tap " 🔀 " to set mute (ringtone volume 0).

■ Setting Airplane mode
When airplane mode is set, all wireless functions (Wi-Fi® function, Bluetooth® function, NFC R/W P2P function) are turned off.

1 ⊚ (over 1 sec) ▶[Airplane mode]

❖Information
- Slide the status bar downward and tap "Airplane" to switch the airplane mode on or off.

Entering characters
Use software keyboard to enter characters.
The software keyboard appears when you tap the entry field for registering a contact, composing a mail, etc.

■ Switching keyboards
To input Japanese, use "Xperia™ Japanese keyboard" switching five input types of "Phonepad", "QWERTY keyboard", "Japanese syllabary", "Kana handwriting", "Kanji handwriting".

1 Tap a character input box
   Phonepad is set for portrait screen and QWERTY keyboard is for landscape screen by default.

2 Long-touch " 🔤 "
   Tap " 🔤 " for Kanji handwriting.

3 [🔤]/[🔤]/[🔤]/[🔤]/[🔤]
   The keyboard switches to Phonepad/QWERTY keyboard/ Japanese syllabary/Kana handwriting/Kanji handwriting.

❖Information
- Word suggestions or direct conversion candidates for the entered characters appear. Tap a word to enter.
- Tap " ⌫ " to delete the character before the cursor.
- Long-touch " 🔤 " to enter symbols (single byte/double byte), facemarks from the displayed list. Tap " 🔤 " for Kanji handwriting.
- On the Phonepad, you can enter characters by flicking a key up/down/left/right besides repeatedly tapping the key (toggle input).
- Tap " ▼ " at the bottom left of the screen to hide the software keyboard.

Support

Troubleshooting
Before you assume that the product is malfunctioning, check the following:

Symptom	What you should check
Power is not turned on even though ⊚ is pressed.	Is the battery pack charged?
	Is ⊚ pressed for over 1 second?
The power goes off.	Is the battery running out?
The power turns off while activation screen is displayed.	Is the battery running out?
Cannot charge the battery pack (Notification LED does not light, the battery icon does not change into charging).	Is the specified charging equipment (sold separately) attached properly?
Charging is not complete.	Is the temperature of the product raised or very low?
Cannot operate touch panel as intended.	Are you operating with gloved hands?
	Are you operating with a fingernail or foreign object on the screen?

| Symptom	What you should check
Cannot operate key/ touch panel.	Is the power turned on?
	Is "Screen lock" set?
	Turn off the power and then turn it on again.
Screen response is slow when you tap on the screen/press the keys.	When a large amount of data is saved in the product or transferring large-size data between the product and microSD memory card, the screen response may be delayed.
A message such as charge the battery appears.	The battery is almost dead.
Battery usage time is short.	Is the battery pack fully charged? Charge until the notification LED turns green.
	Is the battery pack end-of-life?
The display backlight turns off in a short while.	Is set "Sleep" period too short?
Display is dark.	Is "Brightness" set to dark?
	Is the proximity sensor covered by sticker?
Cannot recognize a microSD memory card.	Is the microSD memory card inserted properly?
	Is the microSD memory card unmounted?

Updating Software
You can update the product to the most recent software for optimal performance and to get the latest enhancements.
- You are recommended to back up your data before updating software.
- For details, visit **http://www.sonymobile.co.jp/support/** or refer to the "Instruction Manual" (Japanese) application or "取扱説明書詳細版 (Full instruction manual)" (Japanese) available on homepage.

■ Downloading and updating software
Update files can be downloaded from the Internet web site via wireless communication into the product directly.
- To download software updates only via Wi-Fi®, from the Home screen, [▦]▶[ツール (Tool)]▶[Update Center]▶[▤]▶[Settings]▶[Preferred data traffic] and select "Via Wi-Fi only". If you set to "Via mobile network/Wi-Fi" for updating, note that when Wi-Fi® communication becomes unstable, packet communication takes the place automatically, which may apply communication fees.

1 **From the Home screen, [▦]▶[ツール (Tool)]▶[Update Center]**
2 **[System]▶[🔄]**

■ Connecting to a PC for updating software
You can update software using PC Companion to be installed from the product.
- Install PC Companion to your PC beforehand.

Main specifications

Display	Approx. 5.0 inches TFT 16,777,216 colors 1,080 x 1,920 dots
Weight	Approx. 145 g (with battery pack)
Dimension (W x H x T)	Approx. 71 mm x 135 mm x 10.5 mm
Continuous stand-by time	In Japan	Approx. 440 hours (LTE) Approx. 480 hours (3G)
	Overseas (GSM)	Approx. 520 hours
Charging time	Using AC Adapter (sold separately): Approx. 140 min.
Continuous 1Seg viewing time	Approx. 280 min.
Continuous tethering time	Approx. 300 min. (LTE on WAN) Approx. 460 min. (3G on WAN)

❖Information
- The continuous stand-by time, continuous 1Seg viewing time and continuous tethering time may drop to less than half depending on the battery charging status, usage environment such as temperature, reception condition at the location where the product is used, and the function settings.