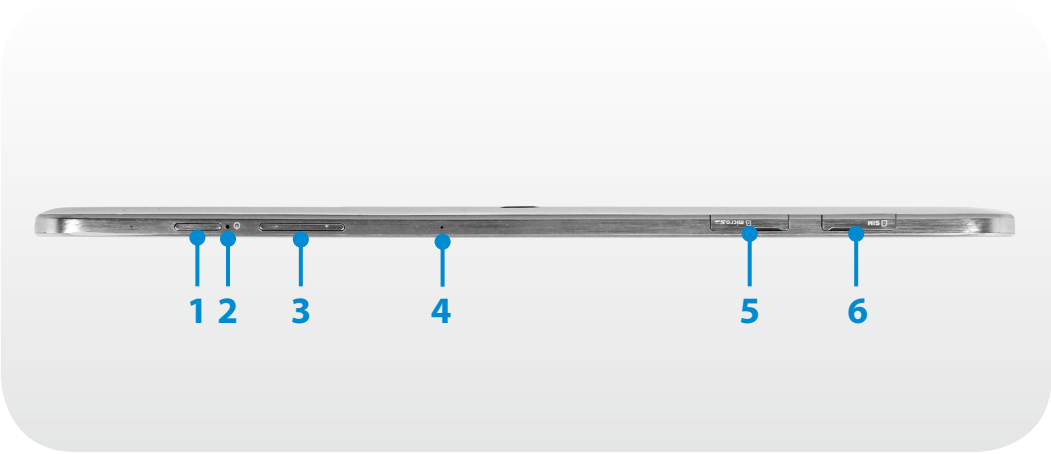


Top View



1	Power Button 	Turns the computer on and off.
2	Power Button LED	When the computer is on, the power button LED is lit.
3	Volume Control Button	Controls the volume.
4	Microphone	You can use the built-in microphone.
5	Micro SD Card Slot 	This slot is for micro SD cards.
6	SIM Card Slot  SIM (Optional)	This slot is for SIM cards.

Rear View



1 Camera

Using this camera, you can take still pictures and record video.

You can take a picture or make a movie using the **Charms > Start > Camera**.

2 Camera Flash

Used when taking photos.

3 NFC Antenna (Optional)

Provides NFC features for near field communication for various application services.

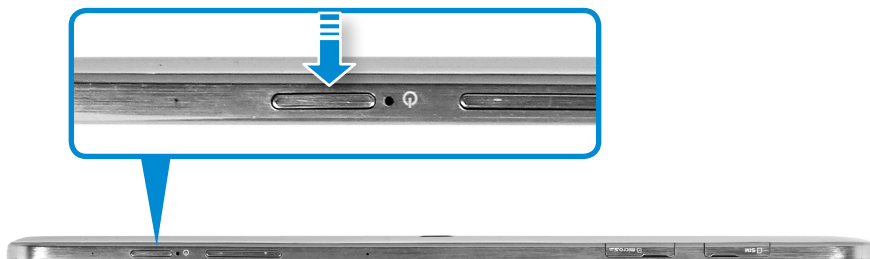


To replace the rear case, contact the local service center. Note that the replacement rear case does not have the model name/logo/part number on the surface.

For more information, please ask for assistance from the service center.

Turning the computer on

- 1 Connect the **AC adapter**.
- 2 Press and hold the **Power button**  for a moment to turn the computer on.



- 3 **Power button LED** is lit while the computer is turned on.



About Windows Activation

When you turn the computer on for the first time, the Windows activation screen appears.

Follow the activation procedures according to the instructions on the screen to use the computer.

When you turn on the computer for the first time, the factory date settings are displayed. Set your local time and date.



This model returns to the factory date settings if the battery is completely discharged.

Adjusting the screen brightness

When the computer runs on battery power, the LCD brightness is automatically set to low.

- 1 Slightly drag from the right edge of the screen toward the center to display the **Charms menu**.
- 2 Increase the bar by pressing the **Settings**  > **Screen** .

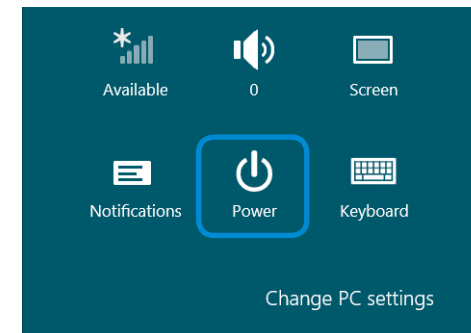
Turning the computer off



- Since the procedures to turn the computer off may differ depending on the installed operating system, please turn the computer off according to the procedures for the purchased operating system.
- Save all your data before clicking on **Shut down**.

1 Slightly drag from the right edge of the screen toward the center to display the **Charms menu**.

2 Click **Settings**  > **Power**  > **Shut down**.



If you want to power off your computer when you are logged out, unlock the screen and click **Power**  > **Shut down**.



Chapter 2.

Using Windows 8

What is Microsoft Windows 8?	32
Screen At a Glance	33
Using the Charms	35
Using Apps	37
Windows Hot Key Function	41

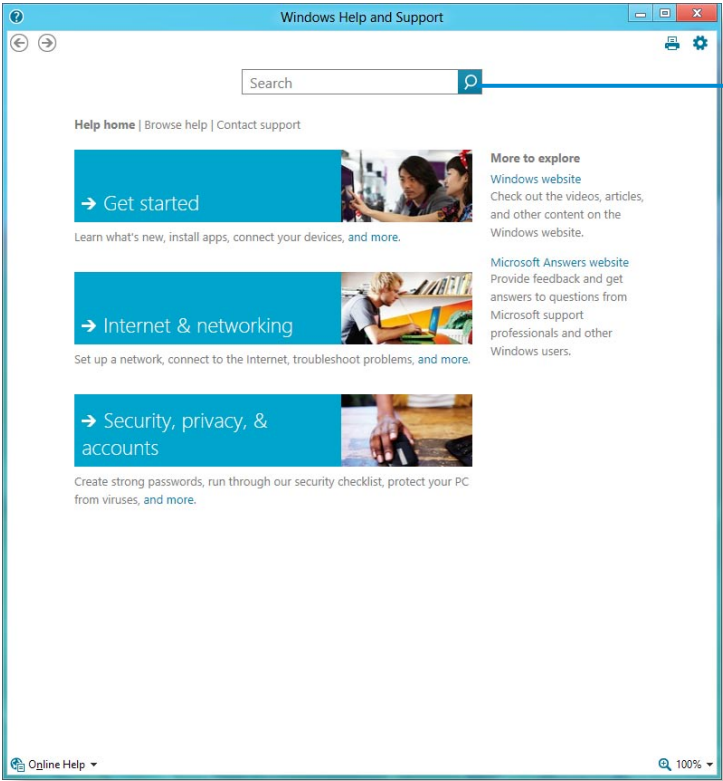
Microsoft Windows 8 (hereafter referred to as Windows) is an operating system that is required for operating a computer. To use your computer optimally, you need to know how to use it properly. Therefore, It is better to learn how to use Windows by utilizing **Windows Help and Support**.

- The screen may appear somewhat different depending on the model and the operating system.
- Since this guide has been prepared based on Windows 8, some of the instructions may differ depending on the version. It may also be modified without prior notice.

Displaying Help

Move the pointer on the screen to the top or bottom right edge of the screen to view the **Charm menu**.
Alternatively, slightly drag the right edge inward with your finger to view the **Charm menu**.
Select **Charm menu** > **Settings** > **Help**.

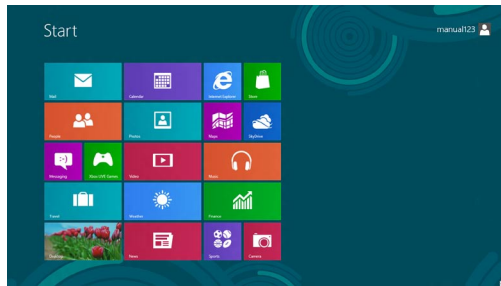
- If you are connected to the internet, you can access the most recent online Help.



Searching for Help

Get Started	You can view basic instructions on how to use your computer including new function(s) for the Windows OS.
Internet & networking	After connecting to the network, you can check the Help section required to use the internet.
Security, privacy, & accounts	You can check the Help information required to protect your computer and personal information.

Windows 8 provides both the new **Start screen** mode and the **Desktop** mode of the existing OS.



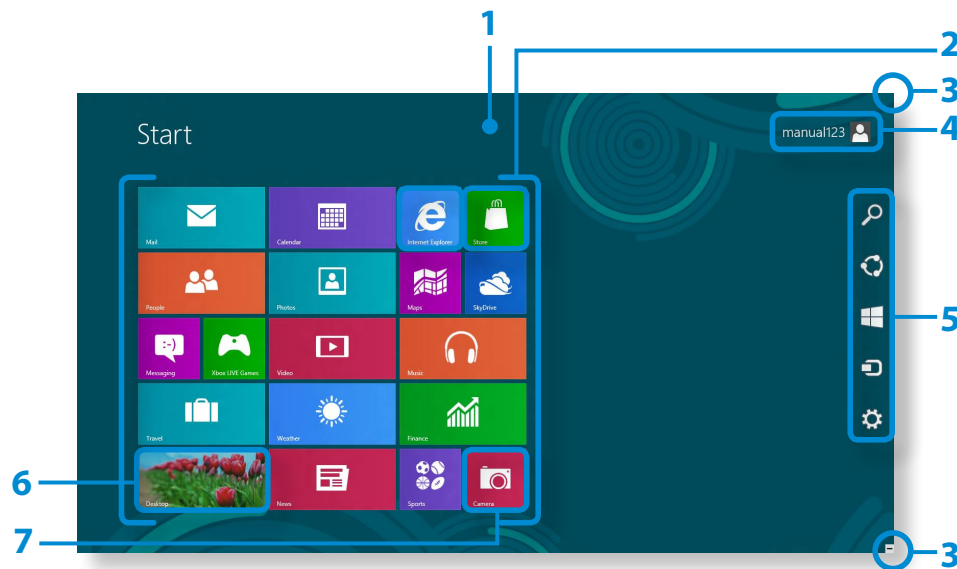
Start Screen



Desktop

Start Screen

When you turn on the computer, the **Start screen** is displayed, which allows you to use the applications (Application, App, hereafter referred to as an **App**) at the same location.



1	Start Screen	Refers to the default Start screen of Windows 8.
2	App	Refers to the apps that are currently installed.
3	Displaying the Charms	The Charms is hidden at the right of the screen. Place your mouse pointer at the edge of the top or bottom right of the screen to display the Charms. Alternatively, slightly drag the right edge inward with your finger to view the Charm menu.
4	User Account	This refers to the currently used user account.
5	Charms	This refers to the menu that allows you to use functions such as Search, Share, Start, Device and Settings.
6	Desktop	Switches to Desktop mode.
7	Camera	Allows you to take pictures or make a movie.

Desktop

This provides similar functions to those provided by the Desktop in prior Windows versions.



1	Desktop	Refers to the Desktop.
2	Displaying the Charms	The Charms is hidden at the right of the screen. Place your mouse pointer at the edge of the top or bottom right of the screen to display the Charms. Alternatively, slightly drag the right edge inward with your finger to view the Charm menu.

3

Charms

This refers to the menu that allows you to use functions such as Search, Share, Start, Device and Settings.

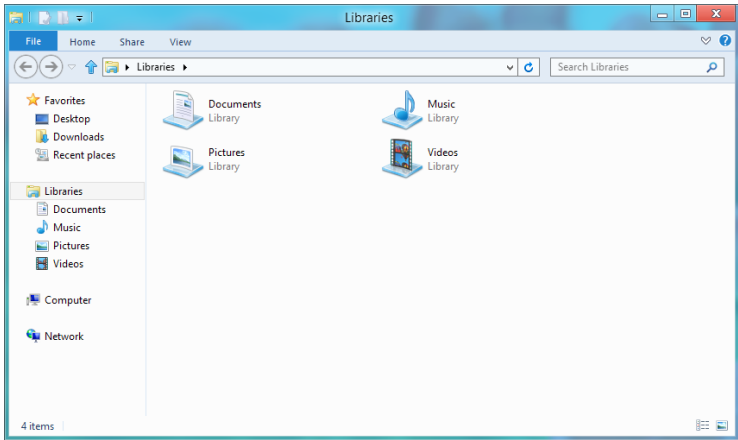
4

Switching to the Start Screen

Click the corner of the bottom left of the screen to switch to the Start screen.

Displaying Documents and Files

Click Windows Explorer in the taskbar on the Desktop  to search for documents and files.



Using the Charms

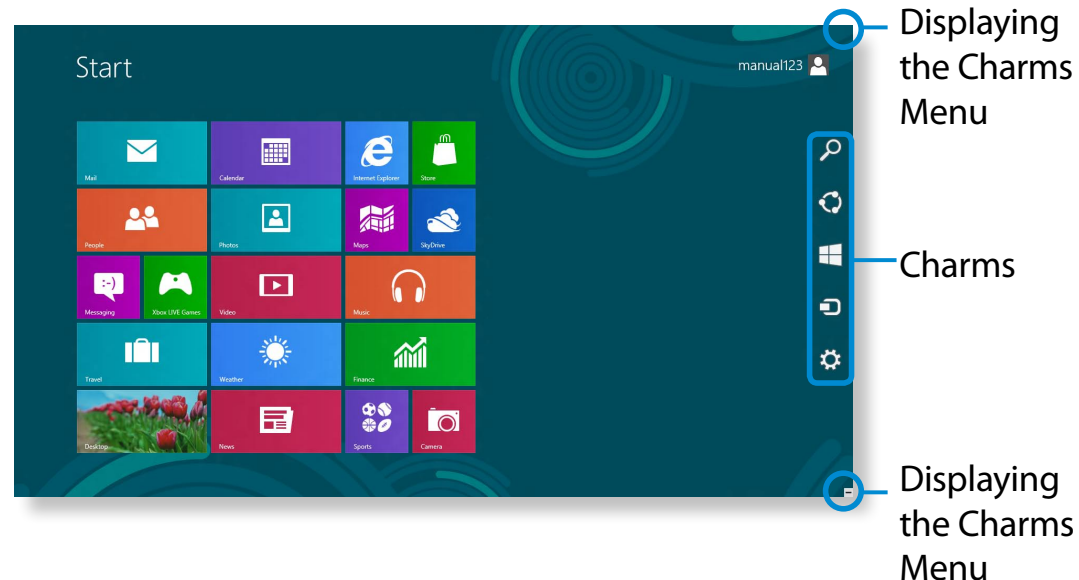
The Charms is a new type of menu that combines the Start menu with the Control Panel of existing Windows.

The Charms allows you to quickly configure the device(s) connected to your computer, search for App(s)/file(s), and use the sharing function, etc.

Activating the Charms

Slightly drag the right edge inward with your finger to view the **Charm menu**.

Alternatively, tap the top or bottom right edge of the screen to view the **Charm menu**.



Search

If you want to search for a program or file in the App(s)/Settings/File(s), simply enter a keyword in the Search charm and start Search.

You can also search within an App or on the Web.



Share

You can use this menu to transfer a picture or file to another user. You can easily share pictures or files with other users simply by associating multiple Apps with the Share charm.



Start

You can move to the Start screen.



Device

As this allows you to move directly to a desired device, you can handle tasks such as importing pictures from a digital camera, streaming a video to your TV or transferring files to a device on the current screen.

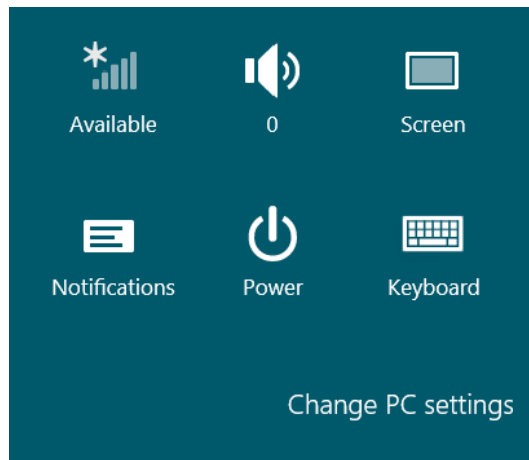


Settings

The Settings charm allows you to perform basic tasks such as adjusting the volume, turning off the PC, etc. If you select the Settings charm while a specific App is running, the settings for the currently running App are displayed.

Changing the Settings

Frequently used Windows menus are collected.
Click the **Charms > Settings**.



Icon	Name	Function Description
	Wireless Network	You can connect to a wireless network. Select a wireless network to connect to.
	Adjusting the Volume	You can adjust the volume or mute the sound.
	Screen	You can adjust the screen brightness.
	Notice	You can set the interval at which an App sends notices.
	Power	You can turn off your computer or select the Power Options.
	Keyboard	You can set the Language or launch Touch keyboard.

Change PC settings

You can change more settings.

An App refers to an application program (hereafter referred to as an **App**). In a larger sense, it refers to all the software programs installed on the operating system.

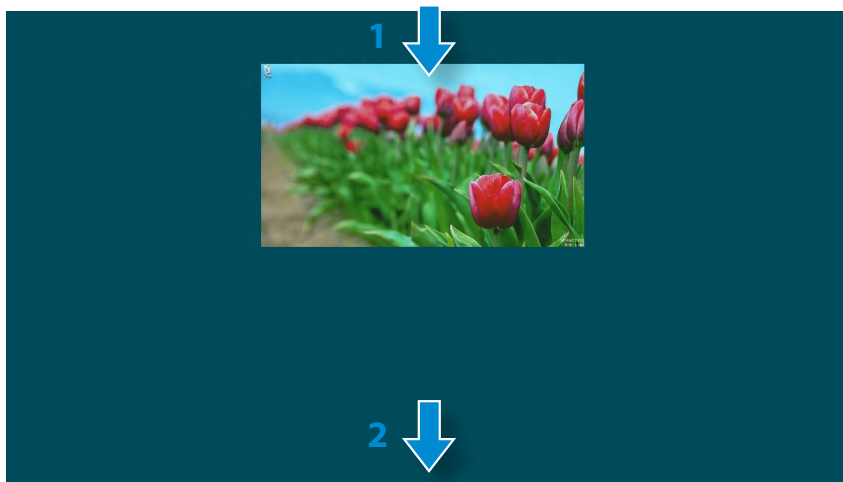
Windows 8 provides basic Apps for frequently performed tasks.

Starting/Exiting an App

Click on an App in the Start screen to activate it.

To exit the App

- 1 Move your mouse pointer to the top of the screen. Your mouse pointer changes to a **hand shape**.
- 2 Click and hold your mouse button and then drag it to the bottom of the screen. The App moves downward and disappears and exits.



Using Apps



You can use the following function with the mouse.

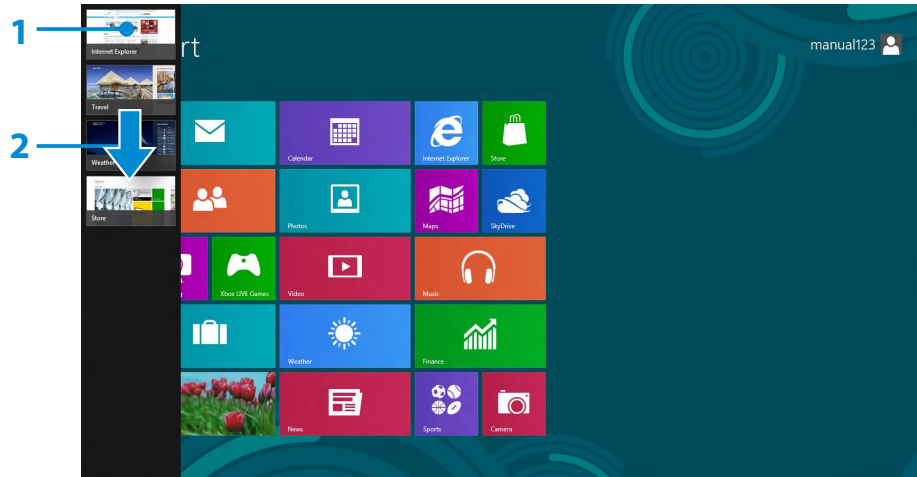
Displaying Currently Running App(s)

- 1 Move your mouse pointer to the top left corner of the screen to display the last run App.
- 2 Then, move your mouse pointer down to display a list of the currently running Apps in order.

- Click on an App in that list or drag it to the center of the screen. Now, you can check the selected App which is currently running.

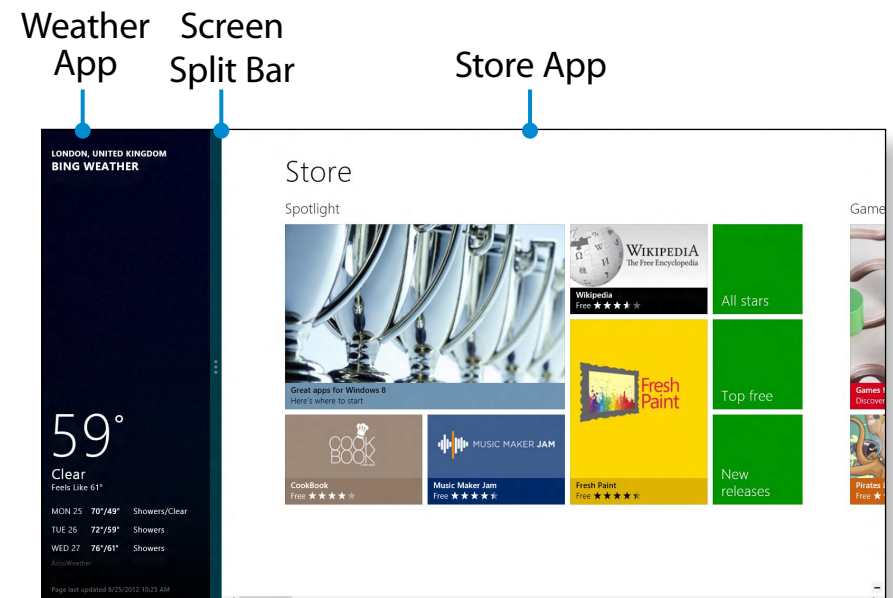


Right-click over the App in the list and click **Close** to exit the App.



Running Two Apps at the Same Time

- Select the **Apps** in the **Start screen**.
- Move your mouse pointer to the top of the screen. Your mouse pointer changes to a **hand shape**.
- If you click and hold your mouse button and move left or right, you can split the screen to display multiple Apps.
- Move the **Screen Split Bar** to change the screen split ratio. Supported screen split ratios are 3:7 or 7:3.



Ex) If you run the Weather App and Store App at the same time

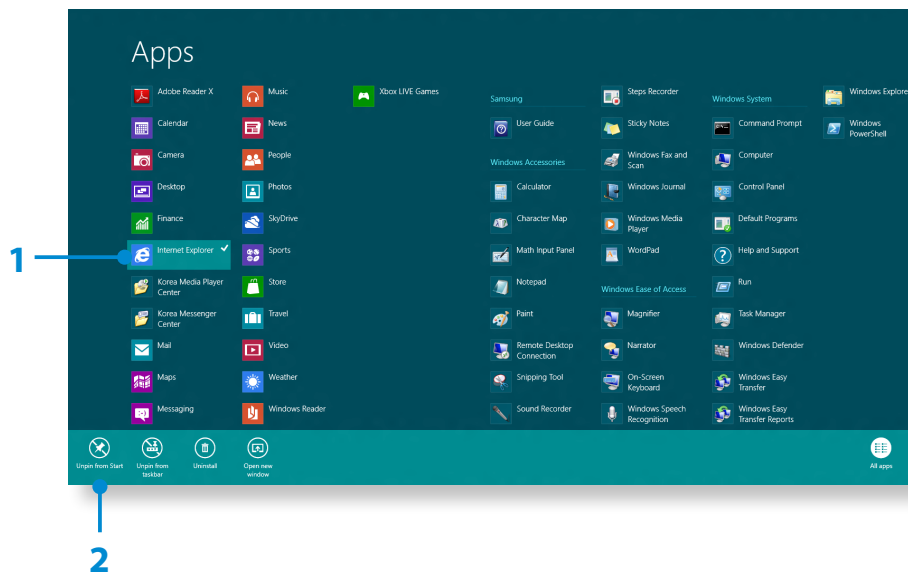
Adding/Removing an App to/from the Start Screen

In the **Start screen**, slightly drag the top edge of the screen inward.

Click **All Apps**  at the bottom of the screen to display all the Apps that are currently installed.

1 If you right-click over the App to be added, the relevant menu is activated at the bottom of your screen.

2 Click **Pin to start**  or **Unpin from Start** .



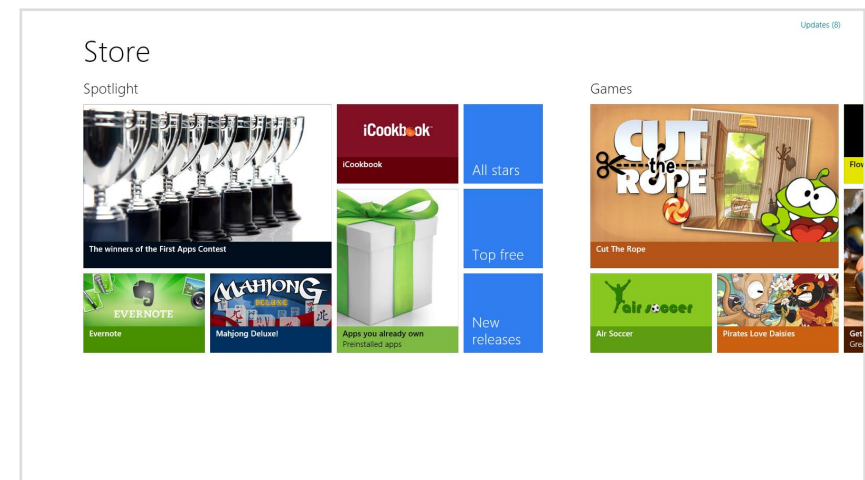
Ex) When removing an App in the Start screen

Using the Windows Store

If you run the App Store in the Start screen, the Apps in the Windows Store are displayed.

However, a Microsoft account is required to purchase App(s) in the Windows Store.

Continue after registering your Microsoft Account in the Charms.



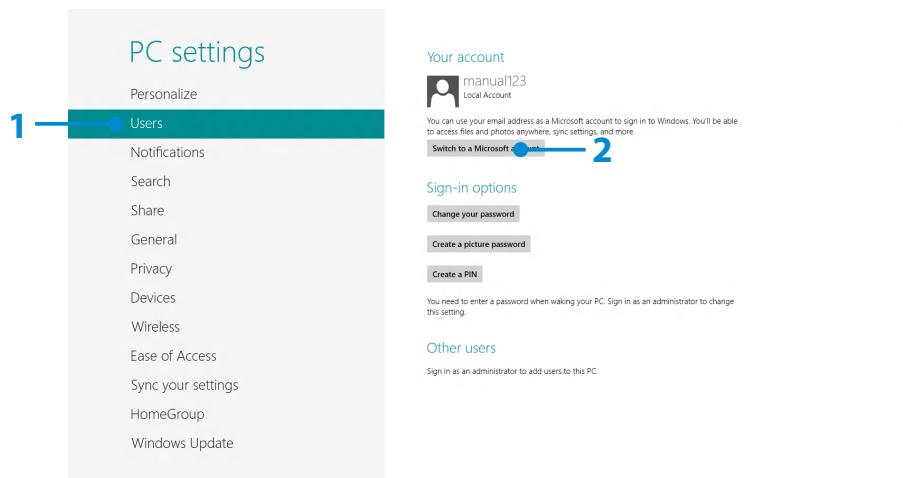
Samsung cannot solve errors occurring with other apps installed from the Windows Store. Contact customer support for the app directly.

Configuring your Microsoft Account

A Microsoft Account allows you to synchronize your settings with other device(s) running Windows 8 online allowing you to share file(s) or settings.

You should register a Microsoft Account to download or purchase App(s) from the Store.

- 1 Run the **Charms** and click **Settings > Change PC Settings**.
- 2 Click **Users > Your account > Switch to a Microsoft account**.
- 3 Register your account through the following relevant procedures.



You can use the following convenient hot keys in Windows 8.



You can use the following function when an external-type keyboard is connected.

Function	Hot Keys	Function Description
Displaying the Start Screen	Windows Key	Switches to Start mode.
Displaying the Desktop	Windows Key + D	Switches to Desktop mode.
Running the Charms	Windows Key + C	Activates the Charms.
Locking the Screen	Windows Key + L	Locks the screen.
Opening the Ease of Access Center	Windows Key + U	Opens the Ease of Access Center configuration.
Opening the Second Screen Settings	Windows Key + P	Opens the External Monitor Settings menu.

Function	Hot Keys	Function Description
Opening the Advanced Management Tool	Windows Key + X	Opens the Advanced Management Tool.
Exit App	Alt + F4	Exits the currently running App.



Chapter 3.

Using the computer

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You can use the computer using the touch screen only, without using the keyboard and mouse.
The touch screen function is only supported for models which have the function installed at the factory.



- Operate the touch screen using your finger or the S Pen. Other tools such as a ballpoint pen are not recognized and using sharp objects may damage or scratch the surface of the LCD.
- If a S Pen (optional) is provided, you can use the S Pen instead.
- Since touching the touch screen with a conductive material such as a metallic object may cause a malfunction, take care not to touch the screen with this kind of object.

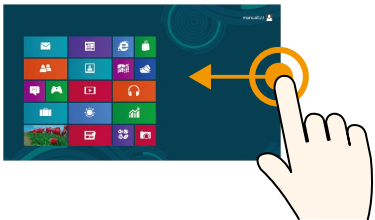
Using the Touch Screen

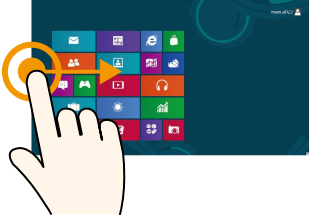
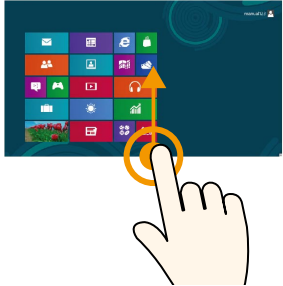
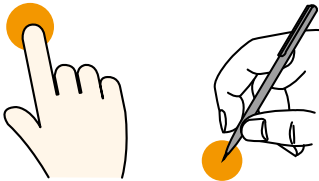
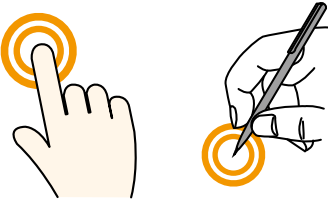
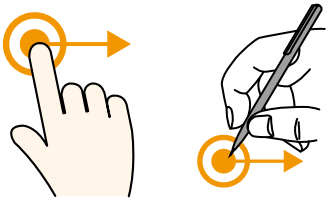


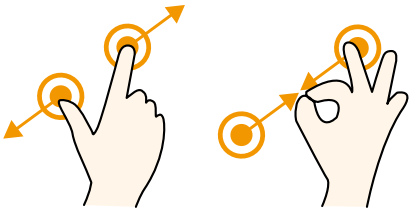
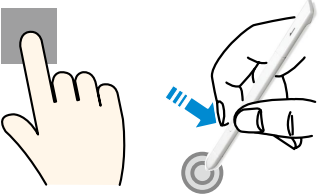
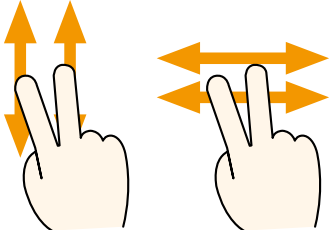
- This function is provided by touch screen models running Windows 8 and will only work for some applications.
- In addition, note that the supported functions are dependant on the application.
- You can use the S Pen (optional) as you use your fingers. The descriptions here are for using your fingers.

Learning basic touch screen operations

You can easily learn how to use the touch screen conveniently.

Touch Operation	Function Description
 Dragging from the right edge toward the center	Displays the Charms menu which is hidden at the right of the screen.

Touch Operation	Function Description
	Dragging from the left edge toward the center Displays the last run App.
	Dragging from the bottom edge upward or from the top edge downward Displays the options for the currently running application.
	Touching slightly (Clicking) Slightly press with your finger to select an item. (If you slightly touch a specific menu, option, application icon, etc. on the screen, the corresponding capability is activated.)
	Touching twice (Double-clicking) Slightly press twice with your finger to select an item.
	Touching and dragging Moves the selected target or moves to the next page. You can draw a picture or write some letters with this operation.

Touch Operation	Function Description
	Rotating with more than 2 fingers Rotates the selected target.
	Spreading 2 fingers widely or bringing them towards each other Zooms in or out of the target.
	Touching and holding for a while (Right-clicking your mouse) Provides the same function as right-clicking your mouse button. Displays the additional options which can be set for the selected target or more detailed information.
	Touching and dragging 2 fingers up/down, left/right (Scrolling) Moves up/down, left/right. Provides the same function as scrolling your mouse.

Using the S Pen (optional)

If a S Pen is supplied with the product, you can operate the computer with the pen instead of your fingers.

You can use the S Pen as you would use your fingers.

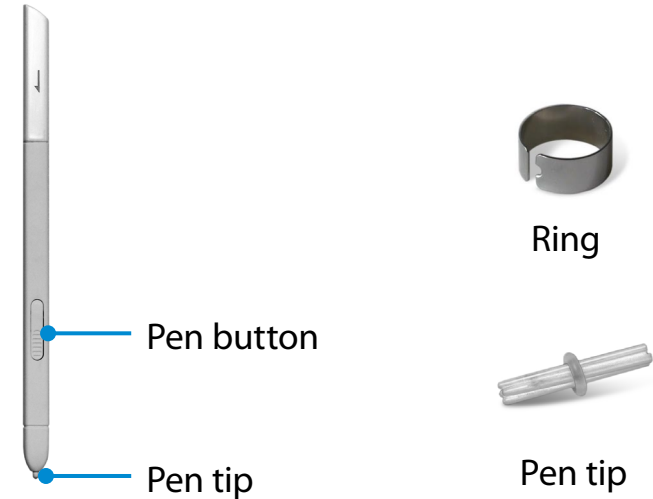
Taking Out the S Pen

Take out your S Pen toward the right.

After using the S Pen, keep it in the S Pen slot.



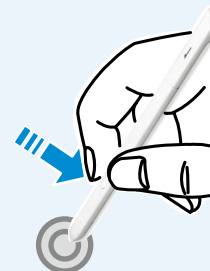
S Pen structure and functions



Pen tip
(Use this to perform the role
of the left mouse button)

This performs the function of your finger tip when you touch the screen.

Pen button
(Use this to perform the role
of the right mouse button.)



If you press the pen button when the S Pen tip is on the screen, circles appear around the pointer on the screen. Touch the screen with the S Pen while holding down the pen button. This performs the right-click function.

Replacing the pen tip

If the pen tip is damaged, you can replace the pen tip as follows:

- 1 Hold the pen tip by inserting it into the hole of the ring and remove the tip by pulling it out.



- 2 Insert the new pen tip into the S Pen.



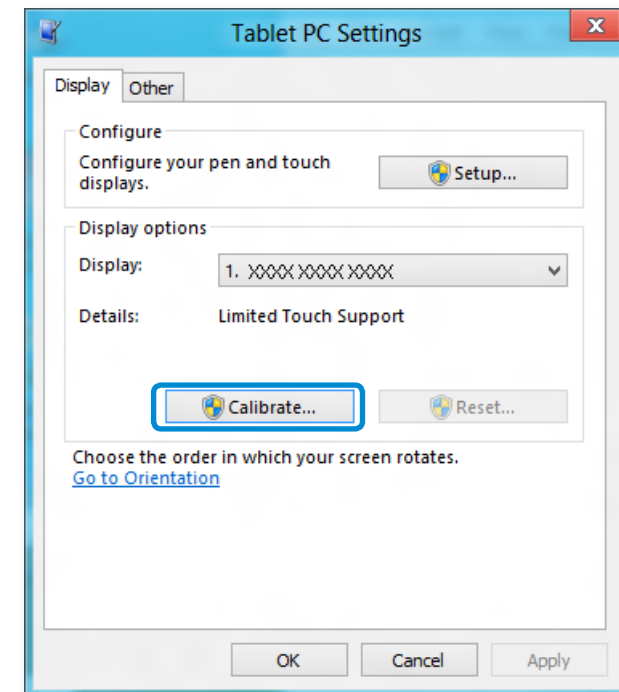
Take care so that the pen tip does not spring out when taking it out.

Screen Calibration

When the pointer on the screen does not precisely match the points you touch, calibrate the touch screen using the **Tablet PC Settings** menu.

The calibration process for the touch screen may differ depending on the operating system and may not be available in some operating systems. The following descriptions assume the Windows 8 operating system.

- 1 Click **Charms menu** on the Desktop > **Settings** > **Control Panel** > **Hardware and Sound** > **Tablet PC Settings** > **Calibrate**.



- 2 Select the screen type to calibrate. If the **Calibration** screen appears, touch the point represented by the “+” mark and then remove your finger.

The “+” mark appears sequentially from the top left to the bottom right of the screen.



- 3 When the **Do you want to save the calibration data?** window appears, click **Yes**.

The touch screen input points are calibrated.

Entering Characters

You can enter characters using the **keyboard** and the **Tablet PC Input Panel**.

Entering characters may differ depending on the operating system and is not supported by some operating systems.

If you are using your computer for a long period of time, it is recommended using the keyboard.

Entering characters is explained using an example with notepad.

Using the Tablet PC Input Panel

The **Tablet PC Input Panel** is an onscreen keyboard provided by **Windows**.

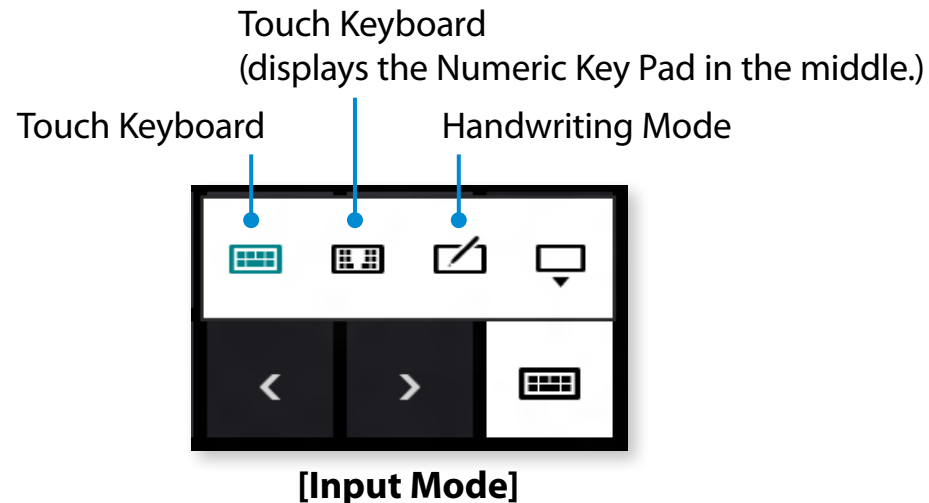
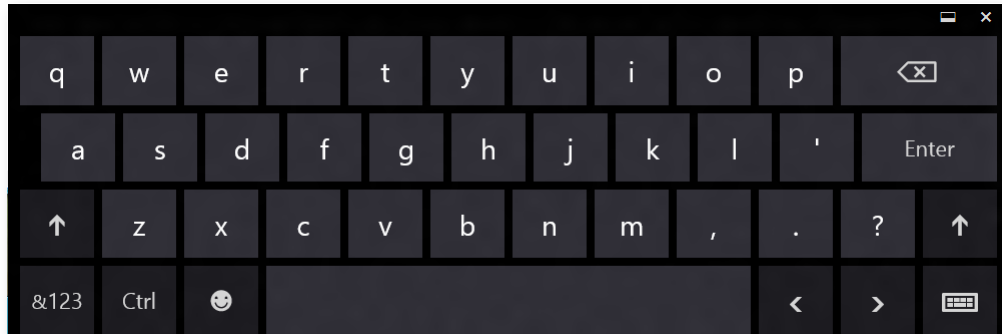
Follow the descriptions and illustrations on how to use the **touch keyboard** and **handwriting mode**.

- 1 In the **Start screen**, slightly drag the top edge of the screen toward the center.

Press **All Apps**  **> Notepad**.

- 2 Put your hand on the Notepad screen to display the cursor.

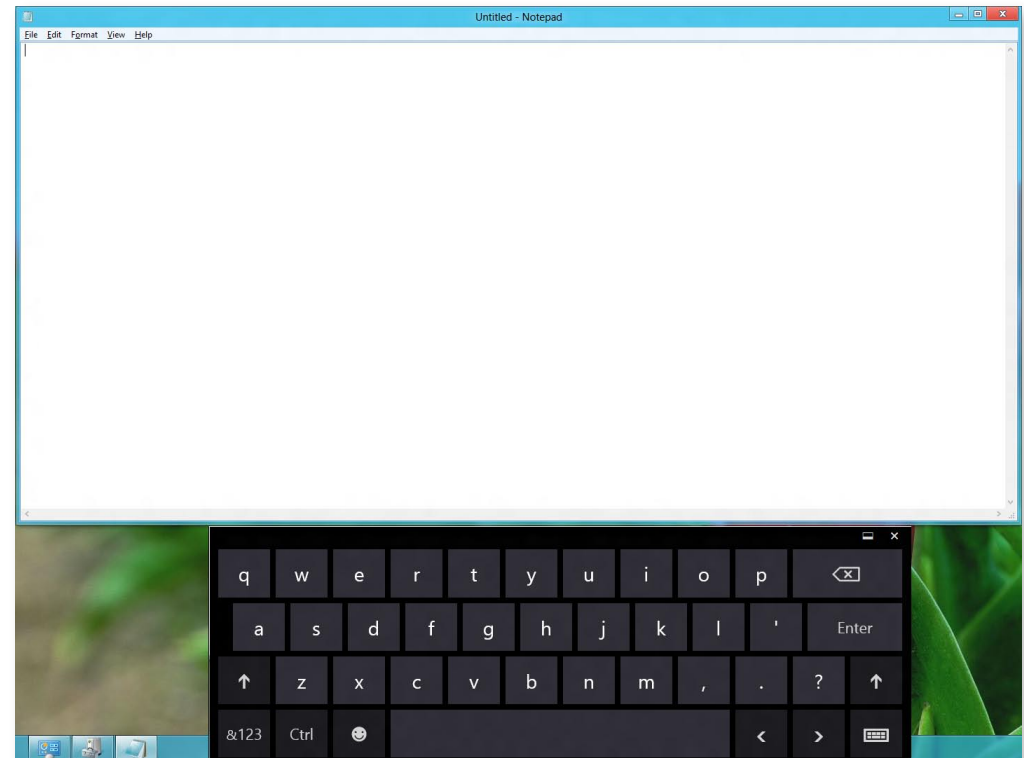
- 3 On the Desktop, press the  at the right of the taskbar to display the **Tablet PC Input Panel**.



Entering characters using the Touch Keyboard

The **Touch keyboard** has the standard keyboard layout which allows you to select keys to enter characters.

- 1 Press the **Touch Keyboard** icon  in the Tablet PC Input Panel.
- 2 Press the keys to enter your characters.



Entering characters in Handwriting Mode

You can enter characters by writing them in the Handwriting Mode Input Panel on the touch screen.



Handwriting Mode may not be available in some languages.

- 1 Press the **Handwriting Mode** icon  in Tablet PC Input Panel.
- 2 Write characters in the input area of the **Handwriting Mode Input Panel** on the touch screen.



- 3 Press the **Insert** button to enter characters.

Touch screen use precautions

- Use the touch screen with clean and dry hands. In a humid environment, remove the moisture from your hands and the touch screen surface before use.
- Avoid directly spraying liquid cleansing solution onto the touch screen. The liquid solution may enter the touch screen through the bottom edge.

When using a liquid cleansing solution, dampen a cloth in the solution and clean the screen with the cloth (a cleansing solution or cloth containing abrasives may damage the touch screen.)

- Do not apply a severe impact to the touch screen or press the screen with a sharp object such as a ball-point pen.
This may damage the touch screen.
- If your finger only touches the touch screen slightly, your touch may not be recognized.
- If you wish to use a pen, please use the provided S Pen (optional). Otherwise, the computer may not work properly.
- Take care that you do not drop the S Pen as this may damage the pen tip.
- When pressing the touch screen, press over an item precisely taking care not to press other items.
- If the touch screen is contaminated by a foreign substance such as a bug or water, the touch screen will not work properly.

Using the multi-card slot, you can read and write data on various types of memory cards.

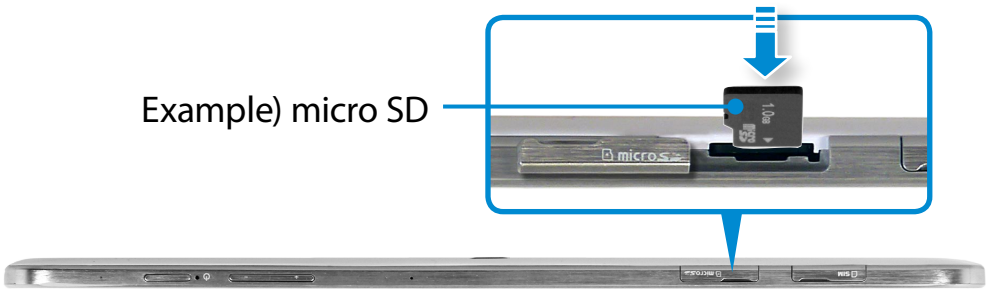
When you insert a memory card, make sure to insert the memory card in the correct direction. Pushing an incorrectly inserted memory card may damage the card itself or the slot.



- You can use memory cards as a removable disk and conveniently exchange data with digital devices such as a digital camera, etc.
- Separately purchase memory cards of your desired capacity.
- The color of the multi-card slot may differ from the picture in this manual.
- Before using the slot, remove the dummy card from inside the slot. (Only for models providing dummy cards.)
- Insert the memory card into the multi-card slot in the direction printed on the slot.
- The data transfer rate may differ depending on the specification of the memory card.

Using the card

- 1 Insert a memory card into the multi-card slot in the correct direction.



Memory Card Naming

The following table shows the full names of memory cards for each abbreviation.

Abbreviation	Memory Card's Name
micro SD	micro Secure Digital
mini SD	mini Secure Digital
micro SDHC	micro Secure Digital High Capacity
micro SDXC	micro Secure Digital eXtended Capacity
mini SDHC	mini Secure Digital High Capacity

Multi Card Slot (Optional)

- 2 The following message appears on the top right. Click to **open the folder and click** View Files.

Removable Disk (F:)
Tap to choose what happens with memory cards.



If a message appears to notify you of any problem, click the corresponding window > **Continue without Scanning**. You can perform the following process described in No. 3.

- 3 **Windows Explorer** runs on the Desktop. You can save, move and delete data on the corresponding drive.

To remove a memory card

Push the card to eject it. Then, hold the tip of the card and pull it. Alternatively, just hold the end of the card and remove it.

To format a memory card

When using the memory card for the first time, you must format the card before using it.



Formatting a card deletes all data saved on the card. If the card includes data, backup the data before formatting it.

- 1 Click the **Windows Explorer**  icon in the taskbar on the Desktop.
- 2 Right-click over a card drive with the touchpad and select **Format**.
- 3 Click **Start** to the formatting.



- To share a memory card with a digital device such as digital camera, it is recommended to format the memory card in the digital device before use. If you format a memory card on the computer and then insert the memory into the digital device, you may need to format the memory card again in the digital device.
- If there is a write-protection device in the memory card and the device is set to the lock position, you cannot format, write data, nor erase data from the card.
- Repeatedly inserting and removing a memory card may damage the memory card.
- SDIO (Secure Digital Input Output) is not supported.
- You cannot read or write copyright-protected data.

If you connect an external display device such as a monitor, TV, projector, etc., you can view the picture on the wider screen of the external device when you give a presentation or watch a video or movie.

Connecting to the monitor port (Optional)

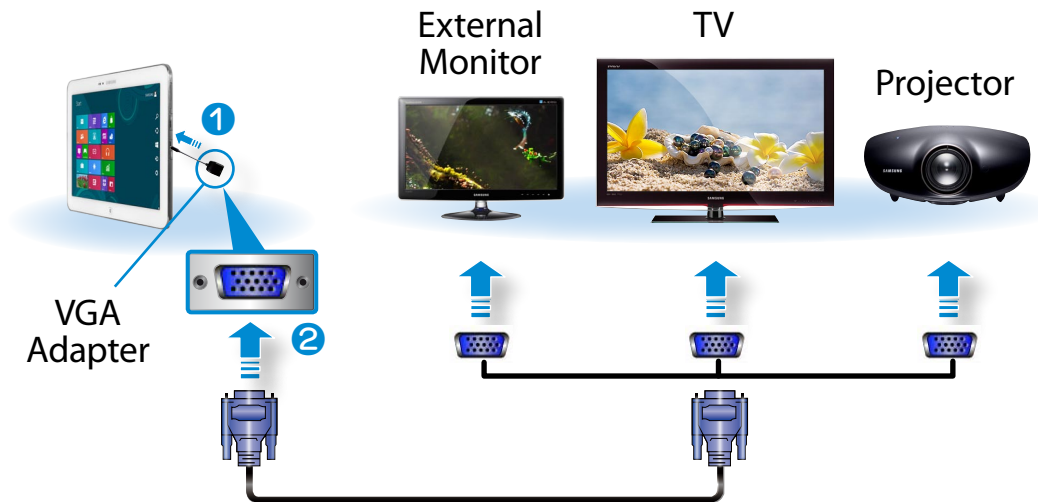
Connect an external monitor, TV, or projector that supports the D-SUB interface to display the image on a wider screen.

You can give better presentations by connecting the computer to a projector.



The VGA adapter is optional and to be purchased.

- 1 Open the micro HDMI port, and connect the **VGA adapter**.
Connect the VGA cable (15-pin) to the connected VGA adapter and then connect the other end of the VGA cable to the D-SUB port of the monitor or the TV.



- 2 Connect the power cord of the connected monitor, TV or projector and turn the power on.



Change your TV to external device mode when connecting to the TV.