SAMSUNG

User Manual

About this manual

- This user manual is specially designed to detail the computer's functions and features.

- The user manual supplied with the computer may vary depending on the model.

- Please read this manual before using the computer to ensure safe and proper use.

- Optional items, some devices and software referred to in the user manual may not be provided or subject to upgrades. Note that the computer environment referred in the user manual may not be the same as your environment.

- Descriptions are based on the computer's default settings and Windows 8.1 operating system. Available features and additional services may vary by computer or operating system.

- This user manual describes procedures for using the touchpad, mouse, and touch screen. Instructions for using the touch screen are for models with the touch screen feature.

- Images and screenshots are those of the representative model of the series and may differ in appearance from the actual product.

- Content may differ from the final product and is subject to change without prior notice. For the latest version of the manual, refer to the Samsung website, *www.samsung.com*.

Instructional icons and expressions

⚠️ **Warning**: situations that could cause injury to yourself or others

🔴 **Caution**: situations that could cause damage to the computer or other equipment

✏️ **Note**: notes, usage tips, or additional information

⟶ The order of options or menus you must select to perform a step. For example, select the **Settings** charm → **Power** (represents select the **Settings** charm and then **Power**).

Select Click or touch. For example, when using a mouse or touchpad, select **Settings** means click **Settings**. When using a touch screen, it means touch **Settings**.

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Computer specifications or the contents of this manual may be changed without prior notice due to an upgrade of the computer's functions.

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As an ENERGY STAR® Partner, Samsung has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

- The ENERGY STAR Program has reduced greenhouse gas emissions and saved energy through voluntary labeling.

- Power management setting of this product have been enabled by default, and have various timing settings from 1 minute to 5 hours.

- The product can wake with a button press on the chassis from sleep mode.

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Caution for the data

Samsung Electronics shall not be liable for any data loss. Please take care to avoid losing any important data and back up your data to prevent any such data loss.

Operating system and software support

If you change the product's factory OS (Operating System) to another OS or if you install software which is not supported by the product's original factory OS, you will not receive any technical support, product exchange or refund, and a fee will be charged when requesting a service.

Please use your computer with the original factory OS. If you install an OS other than the factory OS, data may be deleted or the computer may not start.

Recommended screen resolutions

The recommended screen resolution for Windows is "FHD" (1,920x1,080) and for Windows 8.1 is "QHD+" (3,200x1,800).

If you set the resolution higher than the recommended value, it may result in problems with some applications, due to limitations of the operating system.

Product capacity representation

Storage capacity representation

The capacity of the storage device (HDD, SSD) of the manufacturer is calculated assuming that 1KB=1,000 Bytes.

However, the operating system (Windows) calculates the storage device capacity assuming that 1KB=1,024 Bytes, and therefore the capacity representation of the HDD in Windows is smaller than the actual capacity due to the difference in capacity calculation. For example, for a 80GB HDD, Windows represents the capacity as 74.5GB, 80x1,000x1,000x1,000 byte/(1,024x1,024x1,024)byte = 74.505GB.

In addition, the capacity representation in Windows may be even smaller because some programs such as Recovery may reside in a hidden area of the HDD.

Memory capacity representation

The memory capacity reported in Windows is less than the actual capacity of memory. This is because BIOS or a video adapter uses a portion of memory or claims it for further use. For example, for 1GB(=1,024MB) memory installed, Windows may report the capacity as 1,022MB or less.
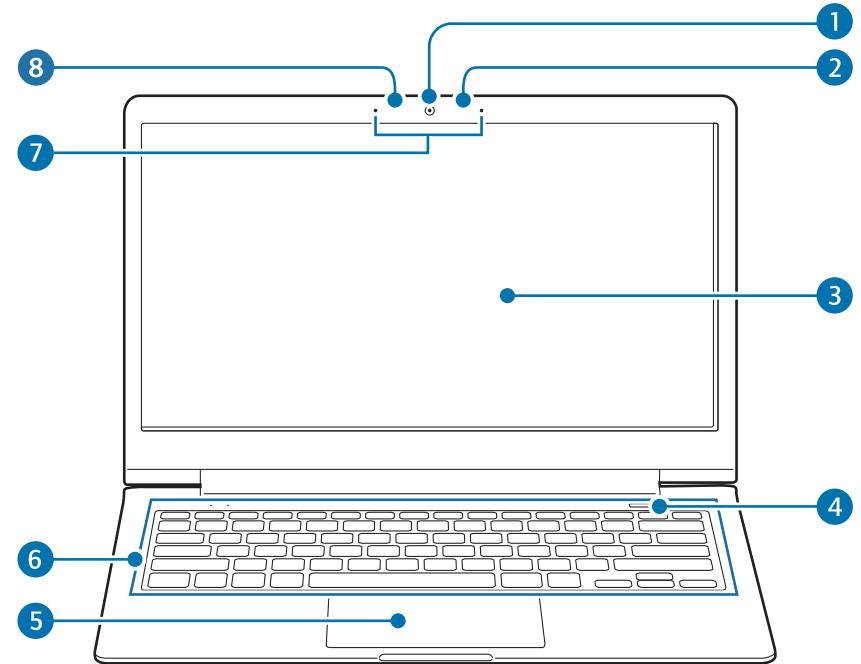
Table of contents

Getting started

Layout

📝
- Features or options may differ depending on the model.
- The items marked as optional may not be provided or may be provided in different locations.
- Since some space on the SSD is reserved for system recovery and operations, the displayed capacity of the SSD may be less than the actual capacity.
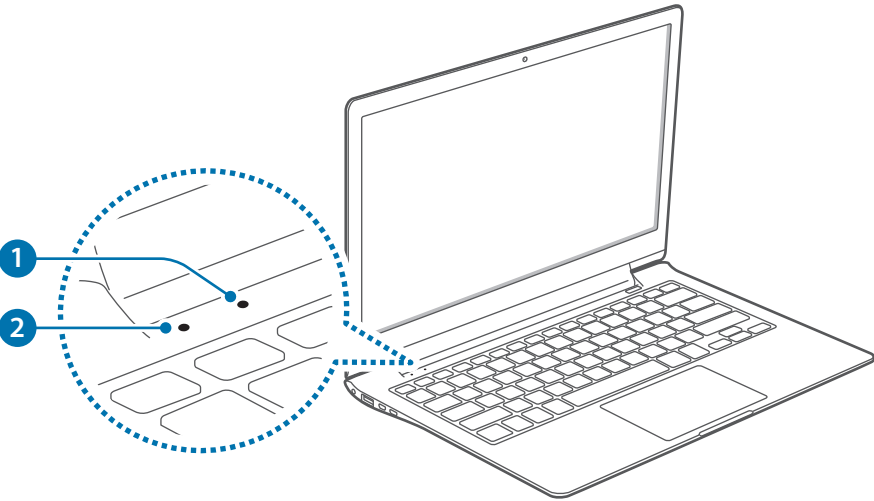
Front view

Number/Name	Description
① **Camera**	• Takes photos or videos. • Use the camera application on the **Start** screen to take photos or videos.
② **Light sensor**	• This sensor detects the ambient illumination of the computer. If the ambient illumination becomes dark, the LCD becomes dimmer and the keyboard backlight is lit. On the contrary, if the ambient illumination becomes brighter, the LCD becomes brighter and the keyboard backlight is turned off. • Do not cover the sensor.

Number/Name	Description
③ **LCD/Touch screen (optional)**	• Displays the user interface. • Recognizes touches on the screen. (Only for models with the touch screen.)
④ **Power button**	• Press to turn the computer on.
⑤ **Touchpad**	• Move the cursor and click options. • Works actions as those of a mouse.
⑥ **Keyboard**	• Press keys to enter data.
⑦ **Microphone**	• Use the built-in microphone.
⑧ **Camera indicator light**	• Indicates the camera status.

Operating indicator light

Number/Name	Description
1 **Power LED** ⏻	• Turns on when the computer is turned on.
2 **Charge LED**	• Shows the battery's charging status. – **Red** or **Orange**: While charging is in progress – **Green**: When charging is complete or the battery is not installed – **Off**: When the AC adapter is disconnected and the computer is running on the battery

Right view
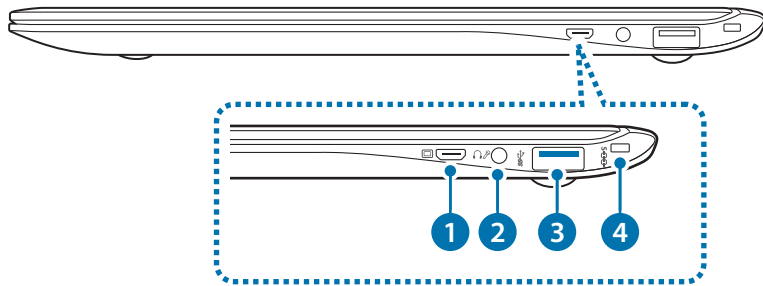
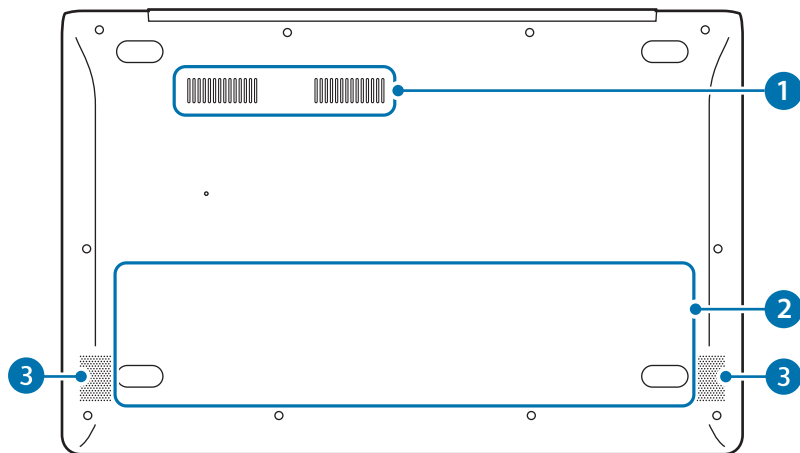| Number/Name	Description
① Monitor port ▭	• Connect external display devices that support a 15-pin analog connector. • You can connect a VGA adapter (optional).
② Ear-set/Headset jack ⌒🎤	• Connect a headset or ear-set.
③ USB 3.0 port ss⇌	• Connect a USB device.
④ Slim security slot s⊶	• Secure the computer by connecting an optional lock and cable to it.

Left view
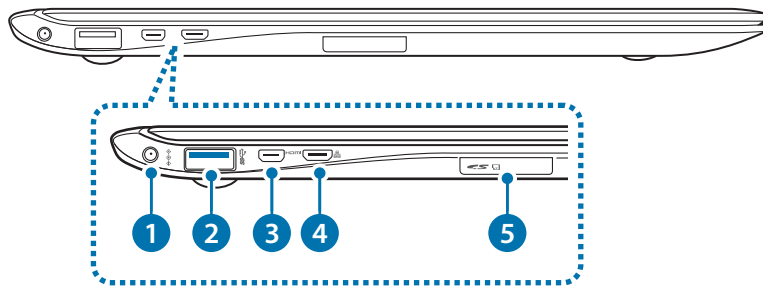
About the chargeable USB port

- It may take longer to charge the battery when charging a USB device.

- The battery power level may be reduced when charging a USB device while the computer is powered by the battery.

- The charging status of the USB device is not displayed on the computer.

- To turn on the chargeable function while the computer is turned off:

  Open the **Settings** application and select **Power Management** → **USB Charging** → **ON**.

- This feature may not be available with some USB devices.

Number/Name	Description
❶ DC jack	• Connect the AC adapter to supply the power to the computer.
❷ Chargeable USB 3.0 port (optional)	• Connect and charge a USB device.
❸ Micro HDMI port	• Connect external display devices that support HDMI.
❹ Wired LAN port	• Connect an Ethernet cable to this port when connecting to the Internet via a wired LAN. Use a LAN adapter (optional) to connect to a wired LAN.
❺ Memory card slot	• Insert a memory card into the slot.

Bottom view

Number/Name	Description
❶ Fan vents	• The internal heat of the computer is emitted through these holes. • If the vents are blocked the computer may overheat. Avoid blocking the vents as this may be dangerous.
❷ Internal battery	• Provides power to the computer when not connected to an AC adapter. • To remove or replace the internal battery, take it to the Samsung Service Center. You will be charged for this service.
❸ Speaker	• Emits sound from the computer.

> After replacing the bottom of the computer, the model name, serial number and some logos on will no longer be present. For more information, contact the Samsung Service Center to request assistance.

Connecting the AC adapter

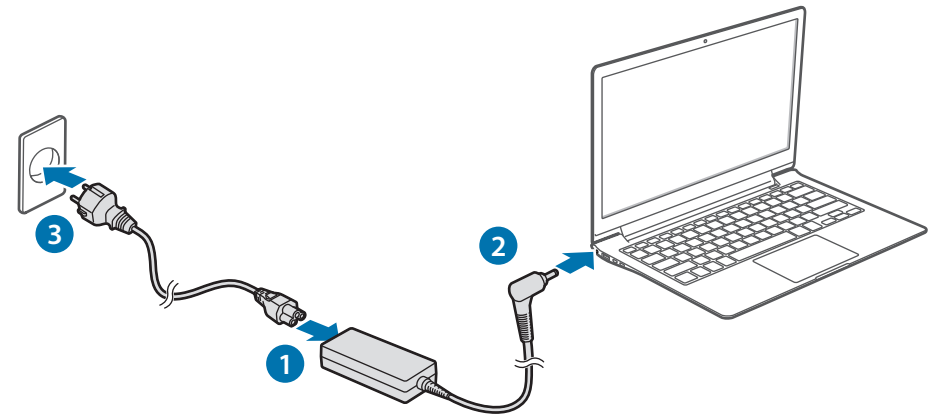Charge the battery before using it for the first time. Use the AC adapter to charge the battery.

> • Use only Samsung-approved AC adapters, batteries, and cables. Unapproved adapters or cables can cause the battery to explode or damage the computer.
>
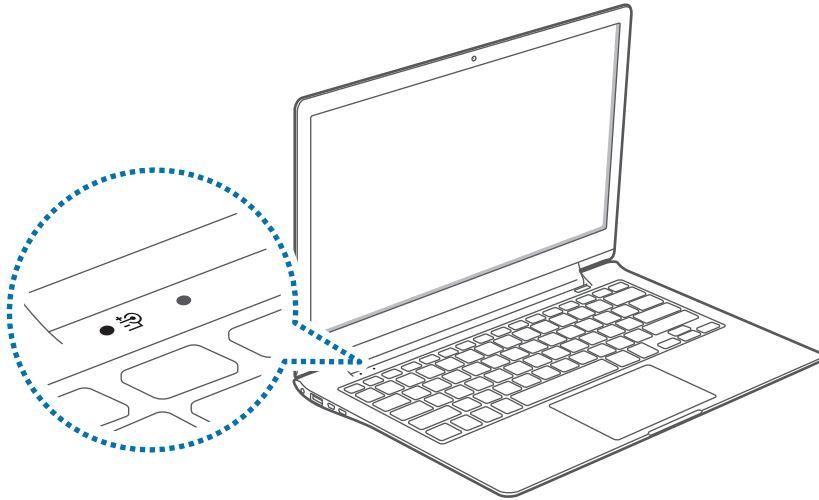> • Incorrectly connecting the charger may cause serious damage to the computer.

> To restore the battery power after cutting it, connect the AC adapter.

1 Connect the power cable to the AC adapter.

2 Connect the AC adapter to the DC jack of the computer.

3 Plug the power cable into an electric socket.

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When charging is complete, the charge status turns green.

Charge LED	Status
🔴 🟠	• **Red** or **Orange**: Charging
🟢	• **Green**: Fully charged
⚪	• **No color**: AC adapter not connected

4 After charging, disconnect the AC adapter from the computer.

5 Unplug it from the electric socket.

> • This computer is equipped with an internal battery. The battery is not user-serviceable or user-replaceable.
>
> • To have battery removed or replaced safely, take the device to a Samsung Service Center. You will be charged for this service.
>
> • You can use the computer while it is charging, but the battery charging time may increase. If the battery temperature rises too much, the charging may stop as a safety measure.

Battery status

Move the cursor over the battery icon on the taskbar to view the current battery charge when disconnecting the AC adapter from the computer.

> 5 hr 21 min (64%) remaining
>
> 10:00 AM
> ENG   1/1/2014
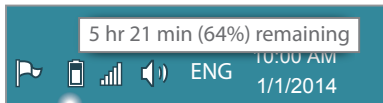
Viewing the current battery charge when the computer is turned off

Connect or disconnect the AC adapter from the computer to view the current battery charge when the computer is turned off.

100%
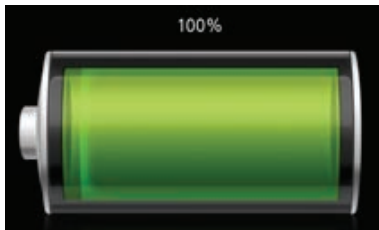
Battery usage time

Batteries are replacement items and over time the battery's capacity to hold a charge and its power level is reduced. If a battery can only hold its charge for half of the time that it could when new, it is recommended to purchase a new, replacement battery.

When not using the battery for extended periods, charge the battery to 30-40% of full charge before storing it. This extends battery life.
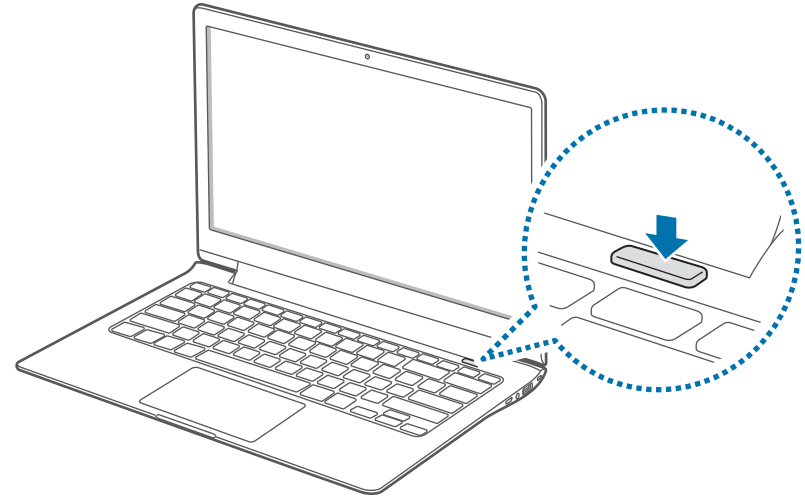
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Turning the computer on and off

Turning on

1 Before turning on the computer, charge the battery.

2 Open the LCD panel.
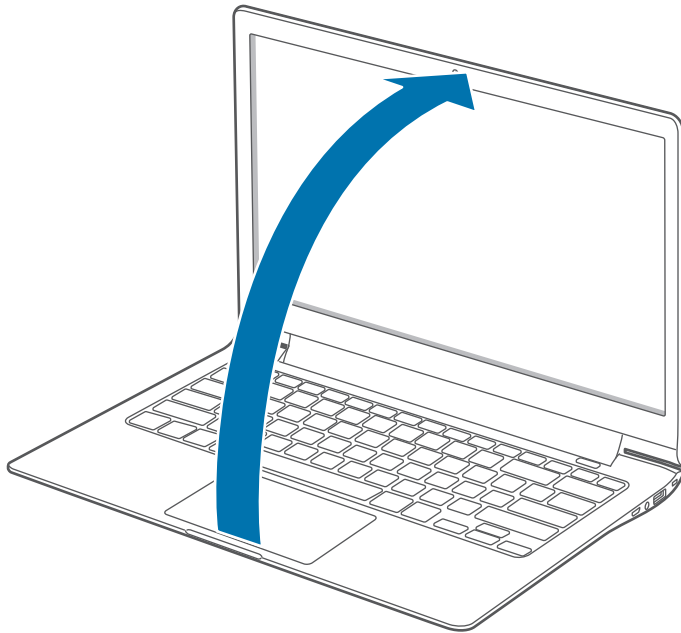
3 Press the Power button.

The Power LED turns on.

4 Activate Windows by following the on-screen instructions.

- The Windows activation screen appears only when turning on the computer for the first time.

- The computer's date and time may be incorrect when you turn it on for the first time. They may also be incorrect if the battery has been fully discharged or removed. To set the date and time, go to the desktop taskbar and right-click the clock area. Then, click **Adjust date/time** and set the current date and time

- To adjust the brightness of the screen, see LCD brightness.
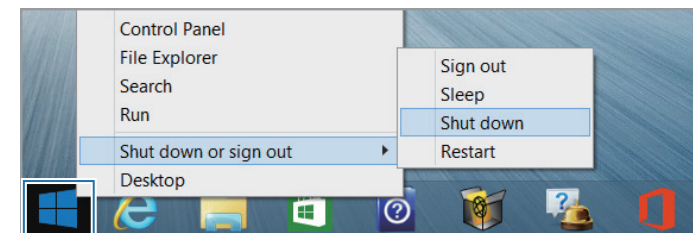
- To adjust the sound, see Volume.

Turning off

Turning off on the desktop

1 To select the Start button, do one of the following:

- **Touch screen**: Touch and hold the Start button ( ) at the lower-left edge of the desktop.

- **Mouse**: Right-click the Start button ( ) at the lower-left edge of the desktop.

2 Select **Shut down or sign out→ Shut down**.

- Save all the data before turning off the computer.

- 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.
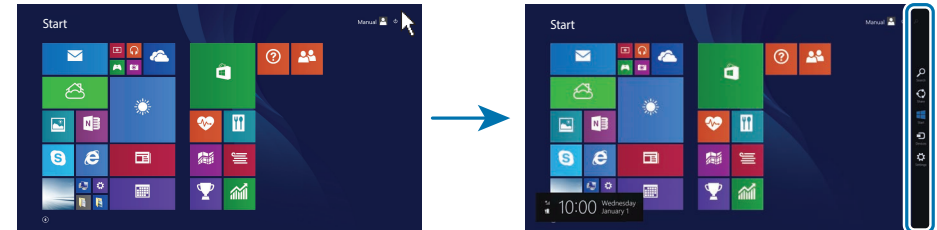
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Turning off on the Start screen

1 Select **Power** ( ) at the upper-right corner of the **Start** screen.

Manual

Start

Manual

2 Select **Shut down**.

Turning off on the Charms

1 To open the Charms, do one of the following:

· **Touch screen**: Swipe inward from the right edge of the touch screen.

· **Touchpad**/**Mouse**: Move the cursor to the upper- or lower-right edge of the screen.

Start

Start

10:00 Wednesday January 1

2 Select the **Settings** charm → **Power** → **Shut down**.

Sleep

Shut down

Available   Restart   Brightness

ENG

Notifications   Power   Keyboard
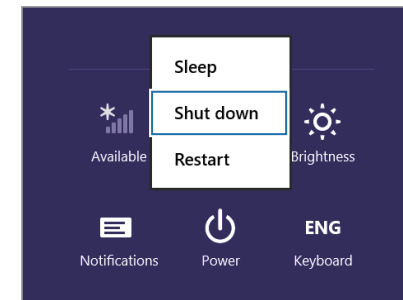
Unlocking the screen

To unlock the lock screen, do one of the following:

- **Touch screen**: Swipe the lock screen from bottom to top.
- **Mouse**: Click the lock screen.
- **Keyboard**: Press any key.
- **Touchpad**: Tap the touchpad.

If the account has a password, enter the password to log in after unlocking the screen.

Windows

About Windows

Microsoft Windows is an operating system that is used to control a computer. For optimal use of the computer, learn how to use the operating system properly. It is best to learn how to use Windows by using **Windows Help and Support**, and **Help+Tips**.

> * Images and available features may differ depending on the model and operating system.
>
> * This manual is designed for Windows 8.1 and content may differ depending on the OS version.
>
> * The image displayed on the desktop screen may differ between models and OS versions.

Help

To access the help, do one of the following:

* **Keyboard**: Press the **F1** key.

* **Touch screen**: Swipe inward from the right edge of the touch screen to open the Charms and select the **Settings** charm → **Help**.

* **Mouse**: Move the cursor to the upper- or lower-right edge of the screen to open the Charms and select the **Settings** charm → **Help**.