

- 3 Select **Charms menu** > **Devices** > **Second Screen**.
Select a desired monitor mode.

	PC screen only The contents are only displayed on the PC monitor (current device).
	Duplicate The contents of the current device are displayed on the external device as well.
	Extend The screen of the current device is expanded to the external device.
	Second screen only The contents are displayed only on the screen of the external device.



Alternatively, to set up dual view:

Open the **Display Settings** window in the Control Panel, select **Monitor 2** and select the **Expand to fit to this monitor** checkbox to set dual view. For more detailed information, refer to the Windows online help.

Connecting through the Micro HDMI port (Optional)

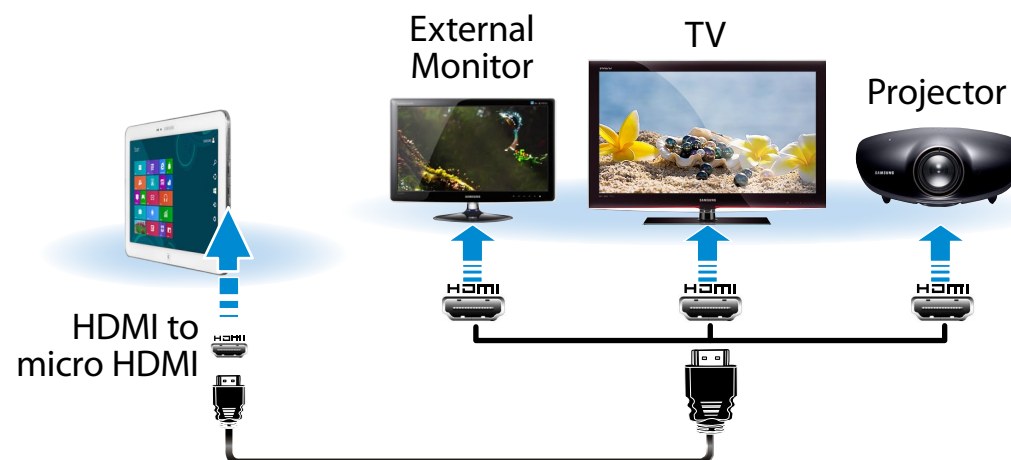
By connecting the computer to a TV with a HDMI port, you can enjoy both a high visual quality and a high sound quality.

After connecting a TV through HDMI, you have to configure the screen and sound.



You have to additionally purchase the HDMI to micro HDMI cable.

- 1 Connect the HDMI to micro HDMI cable to the HDMI port of the TV.





- This is only supported for models that support a TV output port (HDMI).
- When a TV provides more than one HDMI port, connect the computer to the **DVI IN** port.
- When connecting the computer to a TV, switch the external input mode of the TV to **HDMI**.

2 Select **Charms menu > Devices**  **> Second Screen**.
Select a desired monitor mode.



PC screen only

The contents are only displayed on the PC monitor (current device).



Duplicate

The contents of the current device are displayed on the external device as well.



Extend

The screen of the current device is expanded to the external device.



Second screen only

The contents are displayed only on the screen of the external device.



External Monitor / TV is not supported in the DOS Command Prompt window.

Using the Micro USB Port (optional)

You can use the Micro USB adapter to connect a USB device to the computer.



The Micro USB adapter is optional and is sold separately.

1 Connect the **Micro USB adapter** to the **Micro USB port** of the computer.

2 Connect a USB device to the Micro USB port.



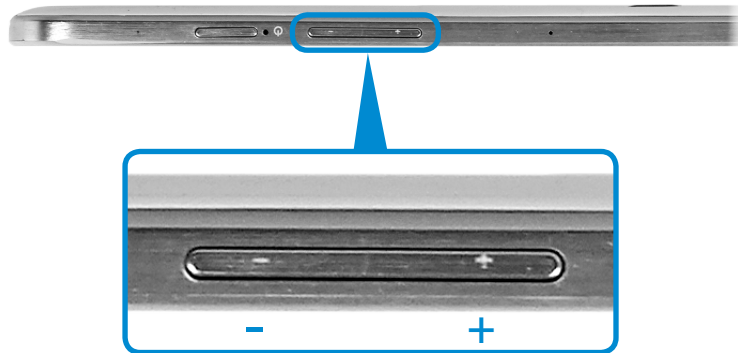
The Micro USB port does not support the USB 3.0 protocols.

Adjusting the Volume

You can adjust the volume using the volume control button and the volume control program.

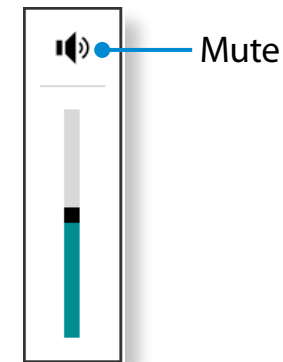
Adjusting the volume with the buttons

You can adjust the volume by using the volume buttons on the top bezel of the computer.



Adjusting the Volume using the Volume Adjustment Program

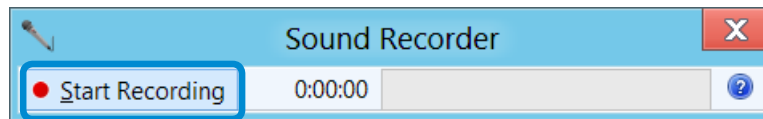
Click the **Charms menu** > **Settings** ⚙ > 🔊 to adjust the control bar.



Using the Sound Recorder

The procedures to record sound using the Windows Recorder are described below.

- 1 Connect a microphone to the microphone jack.
Or use built-in microphone.
- 2 Right-click over the **Volume** icon  on the taskbar and select **Recording Device**.
- 3 Check if the microphone is set as the default recording device.
If this is the case, it is already set as the default device. If not, right-click over the microphone and select **Set default**.
- 4 Right-click over the **Charms** menu > **Start**  to click **All Apps**  > **Sound Recorder**. Then press **Start Recording** to record.



Connecting and using a Ear-set / headset Jack

When there is no sound after connecting an earset or headset, configure the settings as follows.

- 1 On the Desktop, click the **Charms** menu > **Settings**  > **Control Panel** > **Hardware and Sound** > **Sound** > **Play** tab.
- 2 Select the **Speakers (Intel SST Audio Device (WDM))**, click **Set Default** and click **OK**.



The screen brightness is automatically set to the brightest level when AC power is connected and the brightness is automatically set dimmer when the computer runs on battery power to extend the battery use time.

Controlling the Brightness Using the Keyboard

- 1 Click the **Charms menu** > **Settings**  > **Screen Adjustment icon**  .
- 2 Adjust the brightness with the screen brightness control bar.



Switching the picture mode

You can switch the picture mode to your preferred viewing pleasure, such as optimizing the display for movies or electronic books.

On the desktop, right-click an empty area and click **All apps** > **Settings** > **Display** > **Picture Tones**.

- Standard: Standard picture mode.
- Movie: Switch to this mode when the ambient lighting is dark or when watching movies.
- Low-contrast scene: This will make a darker scene brighter for distinction.
- Sharp: This will make the picture clear and sharp.
- Read: Suitable for reading electronic books.
- No effect: This is the default picture mode.



- **Saving battery power consumption**

Decreases the LCD brightness when the computer is running on battery power to save battery power consumption.

- **LCD bad pixels principle of computer**

Samsung observes the specifications regarding strict quality and reliability of LCD. But in spite of that, it is inevitable that there might be a small number of bad pixels. A large number of bad pixels can cause problems in appearance, but a small number of pixels doesn't affect the computer performance.

Therefore Samsung observes and manages the following dot principles:

- Bright dot : 2 or less
- Black dot : 4 or less
- Combination of Bright and Dark : 4 or less

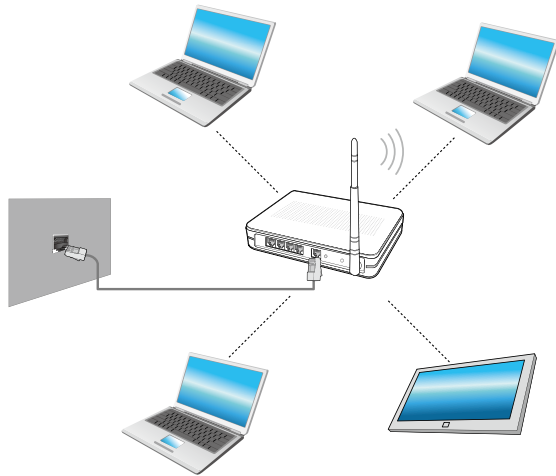


- **Instructions for Cleaning the LCD**

Clean the LCD panel with a soft cloth lightly moistened with computer cleansing detergent moving in one direction.

Cleaning the LCD panel with excessive force can damage the LCD.

A wireless network (Wireless LAN) environment is a network environment that enables communication between multiple computers at home or a small-size office through wireless LAN devices.



- The screen figures and terms may differ depending on the model.
- The descriptions below are for computer models with a Wireless LAN card or device. A Wireless LAN device is optional.
The pictures in this manual may differ from the actual product depending on your wireless LAN device model.
- If the wireless LAN is turned off, select **Settings > Wireless Network** and set it to **ON**.



What is an Access Point (AP)?

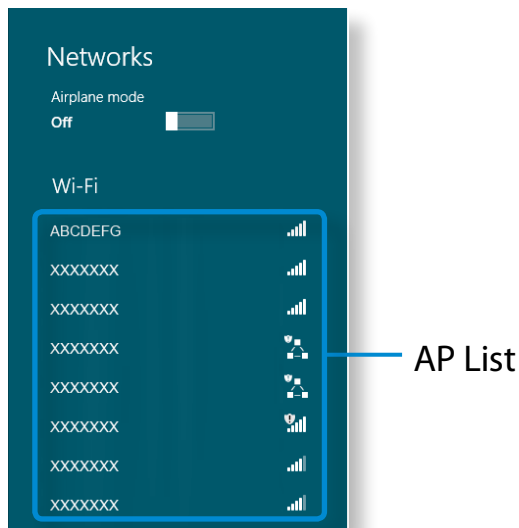
An AP is a network device that bridges wired and wireless LANs, and corresponds to a wireless hub in a wired network. You can connect multiple wireless LAN installed computers to an AP.

Connecting to a Wireless LAN

If there is an AP, you can connect to the Internet via the AP using the Wireless LAN connection method provided by Windows.

1 If you click the **Charms menu** > **Settings**  > **Network Connections**  icon, a list of available APs appears.

If you select an AP to connect to, the **Connect** button appears.

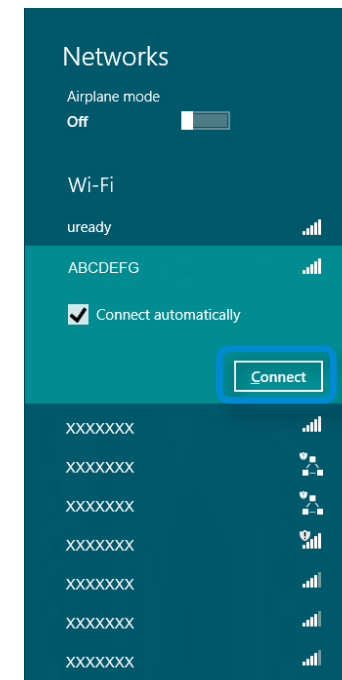


2 Click **Connect**.

If a network key is set for the AP, enter the network key and then click **OK**.



For the network key, please ask your network administrator.



3 When the AP connection is completed, Connected is displayed next to the corresponding AP. You can now use the wireless network.

A wireless wide area network (WWAN) is a mobile broadband network that is available in mobile phone service areas.



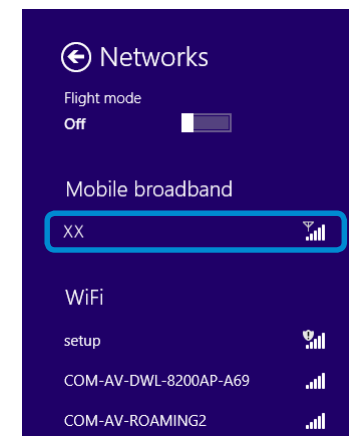
- The descriptions below are for computer models with mobile broadband devices. A mobile broadband device is optional.
- Depending on the version of the operating system, some functions may not be provided or different functions may be provided.
- The pictures in this manual may differ from the actual product depending on your WWAN device model.
- For more information on the mobile broadband network, contact the network provider.
- You must activate the SIM before you connect to the mobile broadband.

To find the hardware information for the SIM activation, open the **Charms** and click **Settings**  > **Change PC settings** > **Wireless** > **View mobile broadband hardware information**. You can check IMEI, phone number, and SIM ICC ID information.

- To set a SIM card's PIN for security, open the **Charms** and click **Settings**  > **Network**. Press and hold the carrier name and click **View link properties** > **Secure**.

1

Click **Charms** > **Settings**  > **Network** to display available mobile broadband networks as shown below.



If there are no available network service providers listed under Mobile broadband, turn off the computer, and insert the SIM card correctly, and then turn on the computer.

2

Select a carrier, and then click **Connect**.



Clicking **Connect** in a foreign country activates automatic data roaming. Therefore, you may be charged for the data usage.

3

If the Profile settings screen appears, follow the onscreen instructions to enter the required information.

4

The network connection is established and Internet access is available.

About NFC (Near Field Communication)

- This is a set of standards to establish radio communications within a short distance (usually no more than 10 centimeters). You can share the contents safely and conveniently without any cumbersome setup process.
- Various features such as video/photo transfers, P2P games, mobile payments, reading/writing tags, NFC device communications and so on can be utilized depending on the NFC device.
- You can use the NFC function on devices that have the NFC mark.



For more information on how to use the device, refer to the user manual of the device.

Simultaneously sharing a website between two computers

This section describes how to connect two NFC computers. You can connect a website displayed on computer A with computer B at the same time.

- 1 Open a website on **computer A** using Internet Explorer.

- 2 On **computer A**, select **Charm menu** > **Device**  > **Sent by Tap**.

- 3 Put the **NFC antenna**  of the NFC **computer B** into contact with the **NFC antenna**  of **computer A**.



- 4 If the following message appears on the **B computer**, tap on the screen.

Receive content?
Tap to receive content from another device.

- 5 Now, the website contents in computer A are delivered to computer B.
You can see the computer A's website on the computer B's Internet Explorer.

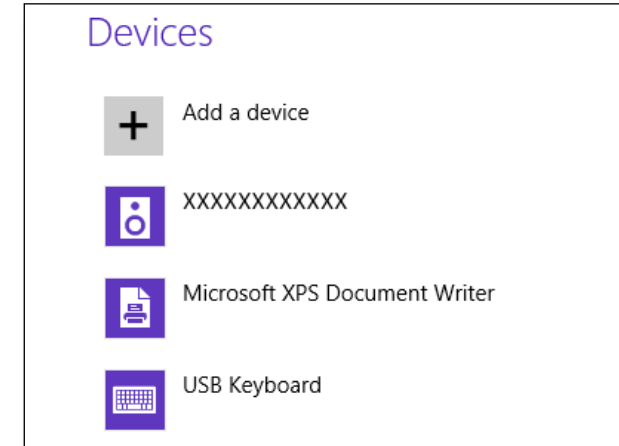
Connecting a device

This section describes how to connect an NFC-supported Bluetooth speaker.

- 1 Turn the computer on. Turn the Bluetooth speaker on.
- 2 Put the NFC mark of the speaker into contact with the **NFC antenna**  at the back of the computer.
- 3 The device connection confirmation message appears at the top right of the screen. Tap on the message.
Connect the device according to the instructions on the screen.

Add a device?
Tap to set up your XXXXXXXXXXXX

- 4 The device is connected. You can now use the speaker.
Select **Charm menu > Settings > Change PC Settings > Device**  to view the connected device.



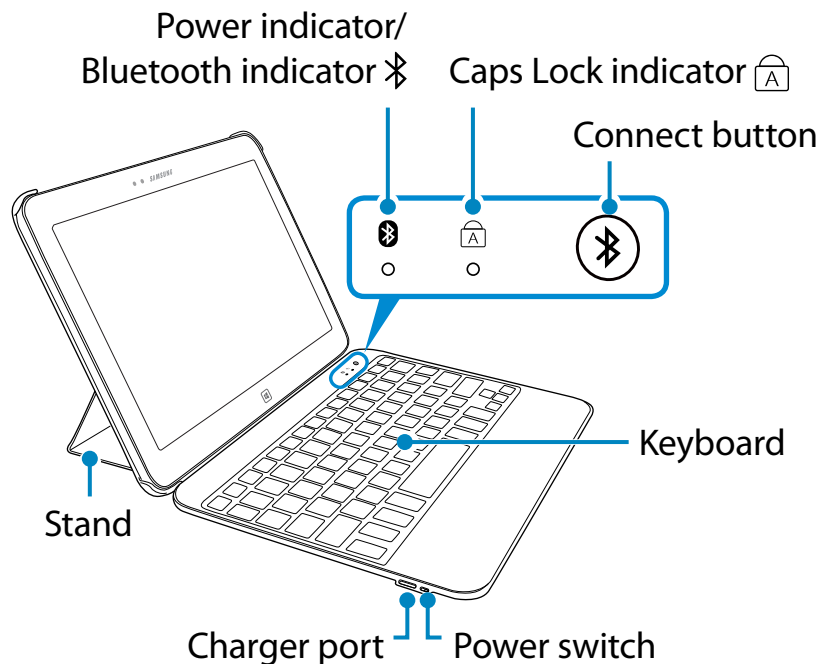
Restrictions

- You can make only one-to-one connection between NFC devices at a time.
- Because the NFC function is not compatible between Windows and Android operating systems, only the URL of the NFC function is transferred to an Android-based mobile device that is connected to the computer.



- Make sure the following items are included in the device package: book cover keyboard, charging adapter, and user manual.
- The layout and appearance of the keyboard may differ from the actual model.
- This keyboard is designed for the Windows 8 operating system, and it may not fully work on other operating systems.

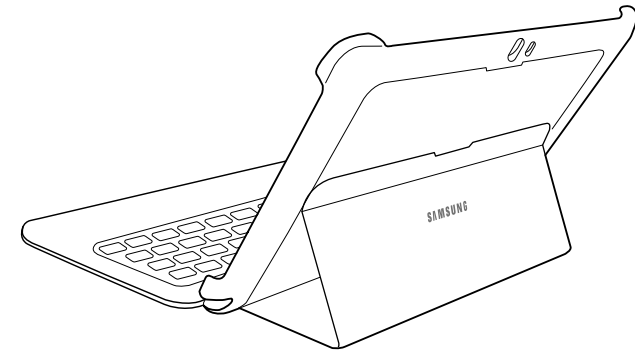
Layout



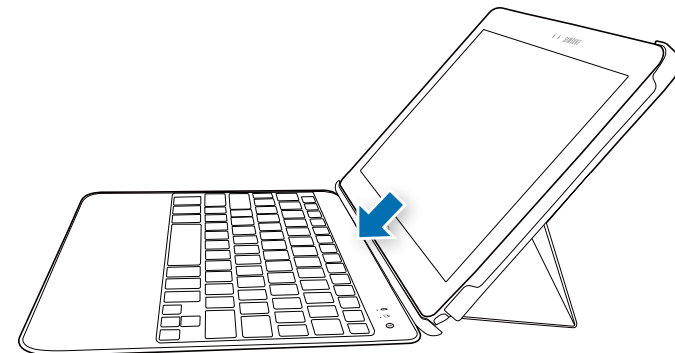
Attaching/detaching the computer

Attaching the computer

- 1 Fold the stand and position it as shown.

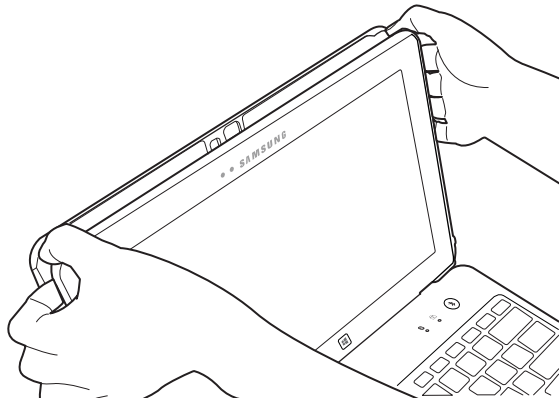


- 2 Attach the computer to the keyboard.



Detaching the computer

Hold the computer on both sides, and use both thumbs to pull it out from the keyboard. The computer detaches.

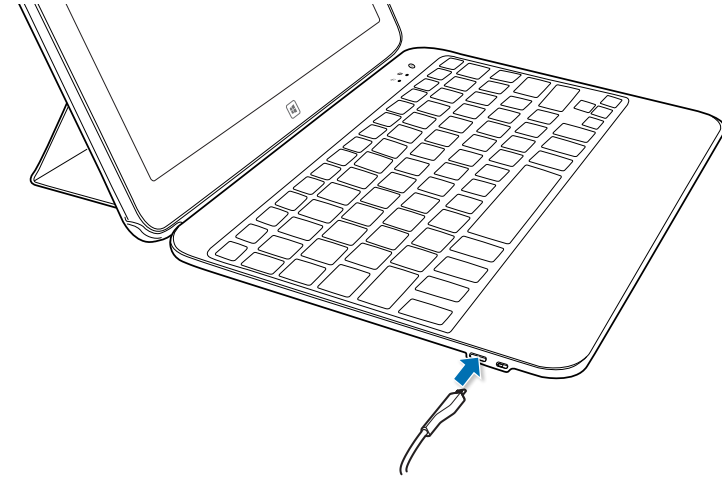


Charging the keyboard

This keyboard has a built-in battery. Before using the keyboard for the first time, fully charge the battery.

! Use only the provided or Samsung-approved charger. Use of unauthorized chargers may damage the keyboard or cause the keyboard to malfunction.

- 1 Connect the charger to the keyboard's charger port.



- 2 Connect the charger to an electric socket. The Power indicator turns red while the keyboard is charging. If charging fails, reconnect the charger and try again.
- 3 When charging is complete, the Power indicator turns blue. Disconnect the charger from the keyboard.

Standard usable time according to the charging time

Charging time	Standard usable time	
Approx. 2 hours	Normal usage	Standby
	Approx. 100 hours	Approx. 1 month



- The charging time and the keyboard’s usable time may differ depending on the usage conditions.
- The built-in battery is consumable, of which the usable time decreases naturally over time.

Checking the remaining battery capacity

To check the keyboard’s remaining capacity, press and hold the left [Ctrl] key for 3 seconds. The Bluetooth indicator blinks 5 times in the following colours:

Remaining capacity	Indicator colour
Above 80%	Blue
20% - 80%	Violet
Below 20%	Red

Turning the keyboard on or off

Turning on the keyboard

Move the **power switch** to the ON position. The blue **Bluetooth indicator** blinks 4 times.

Turning off the keyboard

Move the power switch to the OFF position.

Pairing the keyboard

To pair two Bluetooth devices for the first time, it is required to register a password for the pairing between them.

- 1 Turn on the computer.
- 2 Turn on the keyboard.
- 3 Press and hold the **Connect button** on the keyboard for 3 seconds to enter the pairing mode.
 - When the keyboard turns on for the first time, it enters the pairing mode automatically.



It stays in the pairing mode for 3 minutes.

- 4 In the bottom-right notification area at the desktop, right-click the Bluetooth icon, and then click **Add Bluetooth device**. The computer starts scanning for the available Bluetooth devices.

- 5 Select the Bluetooth keyboard from the results list.

- 6 Type in the numbers on screen, and then press **Enter**.



Number information may not be displayed depending on the computer mode. In this case, use the onscreen keyboard to enter a password for the pairing, and then press **Next**. Now type in the same password using the keyboard, and then press Enter.

- 7 When two Bluetooth devices are paired, the keyboard's Bluetooth indicator blinks blue 3 times. If no user input is made for about 1 minute, the Bluetooth indicator turns off. To reactivate the keyboard, press any key.

 If the keyboard stops operating, check the connection and pairing status between the two devices and try again. To regain the pairing, follow the instructions below:

- Check the pairing status from the computer’s Bluetooth Setup menu.
- Press any key on the keyboard, or turn off the keyboard, and then turn it back on. The keyboard tries to set the pairing for 10 seconds.

Indicator status

When the keyboard turns on	The blue Bluetooth indicator ⌘ rapidly blinks 4 times.
When the keyboard enters the pairing mode	The blue Bluetooth indicator ⌘ stays solid for about 3 minutes.
When the keyboard fails to enter the pairing mode	The blue Bluetooth indicator ⌘ blinks once every 6 seconds for 3 minutes, and then it turns off.
If the Bluetooth keyboard runs out of battery	The red Bluetooth indicator ⌘ blinks.

Device specifications

Item	Specifications and description
Frequency range	2402 - 2480MHz
Input	AC 100 - 240V, 50/60Hz
Output	0.25 - 2.5 mW
Effective wireless range	Max. 10m

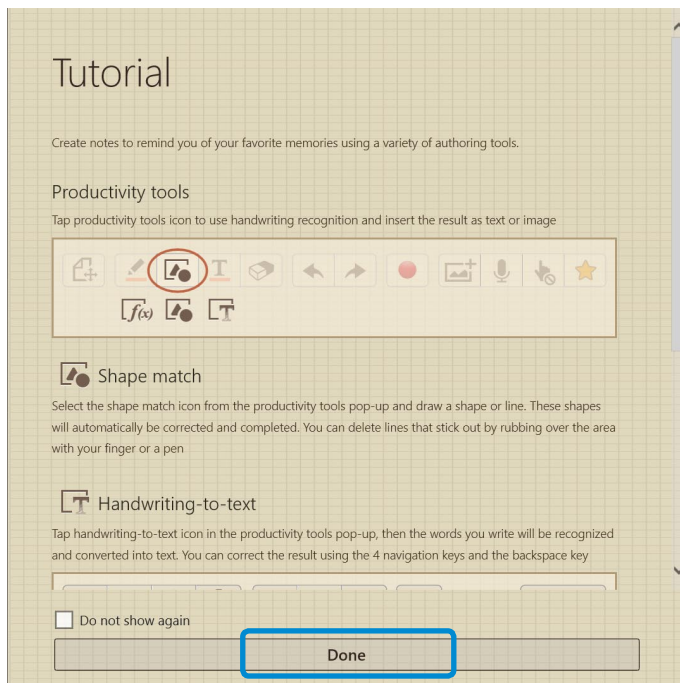
You can design your note using various formats such as idea writing, recipe, diary, travel sketch and so on.



Depending on the version of the program, some functions may not be provided or different functions may be provided.

Creating a note

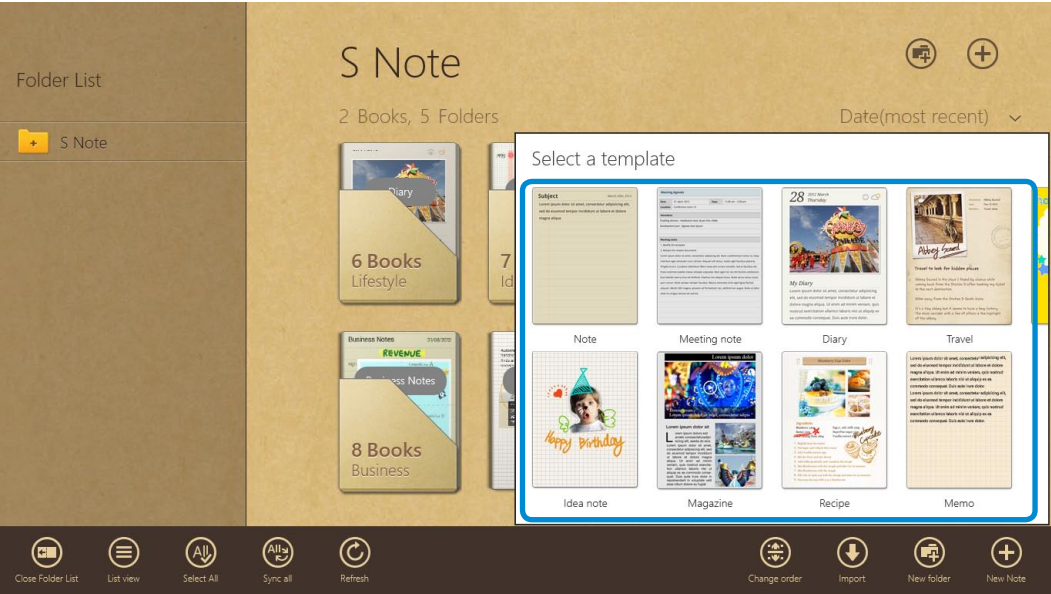
- 1 Select **S Note** in the Start screen.
- 2 The S Note app is launched and the S Note guide appears. Tap **Finish**.



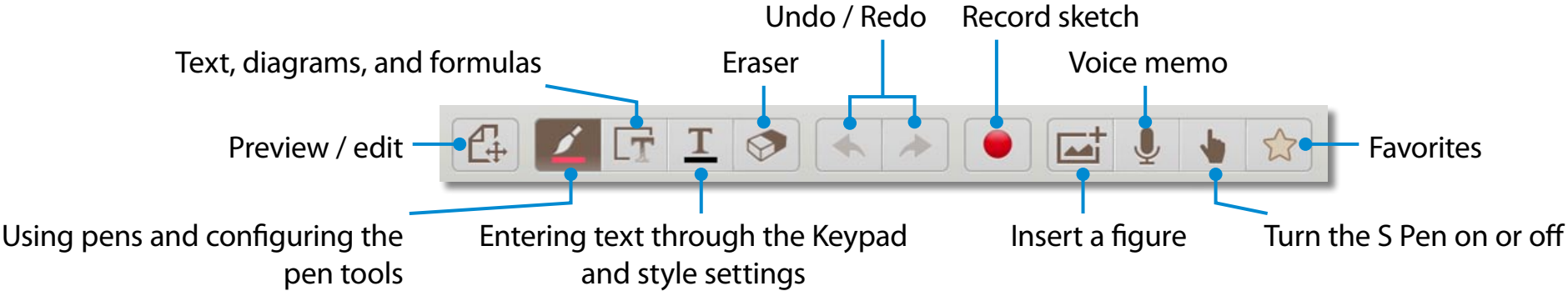
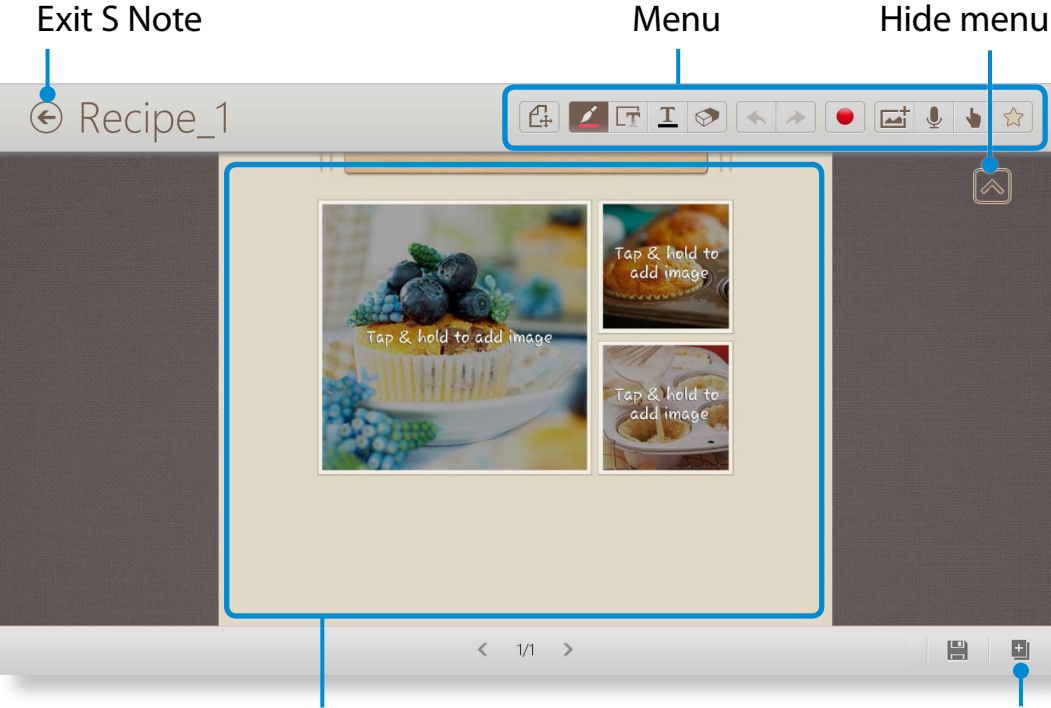
- 3 From the Appbar, tap the **New note** .



4 Various note format options will appear.
Select a format.



5 Create a note using the Menu.
E.g. When you selected Recipe



► Inserting a figure (photo)

We will describe inserting a photo as an example.

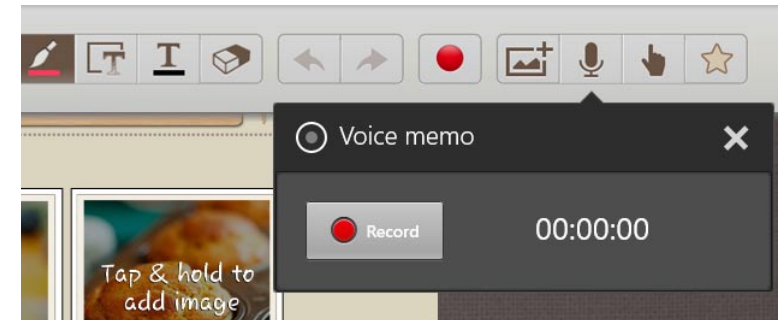
- 1 Tap the  icon.
- 2 Select the figure insertion method.
- 3 If you tap on Take a picture, the picture taking screen appears. Tap on the screen to take a picture.



- 4 If the photo has been taken, tap **OK**.
- 5 The photo is inserted into the recipe screen. Adjust the size and location of the photo.
- 6 Inserting a figure is completed.
You can also insert various items such as text boxes, clipart, etc.

► Recording a voice memo

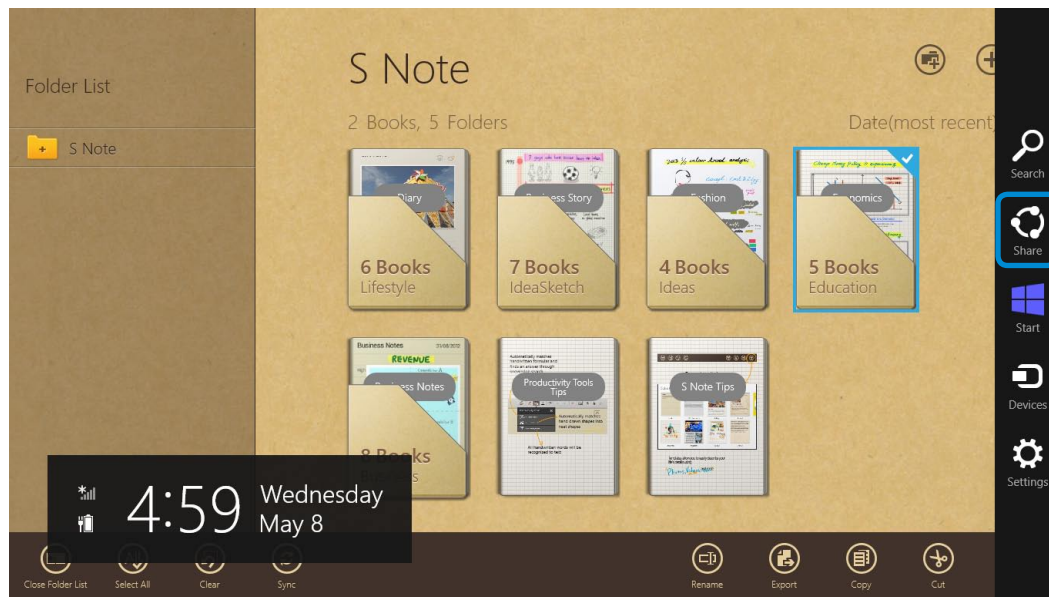
- 1 Tap the  icon.
- 2 The voice memo window appears. Tap the **Record**  button.



- 3 When the recording is complete, tap the **Stop**  button.
- 4 The recording is complete. To make a new recording, tap **Replace**.
- 6 When creating a note is completed, drag the bottom center upward. Tap **Save** to finish creating the note.
- 7 Tap the  icon to exit the note app. Then you can view the newly created note icon.

Sending a note via email

- 1 Slightly drag the note to be sent via email downward in the folder. The note is selected.
- 2 Select **Charm menu** > **Share**  > **Email**.



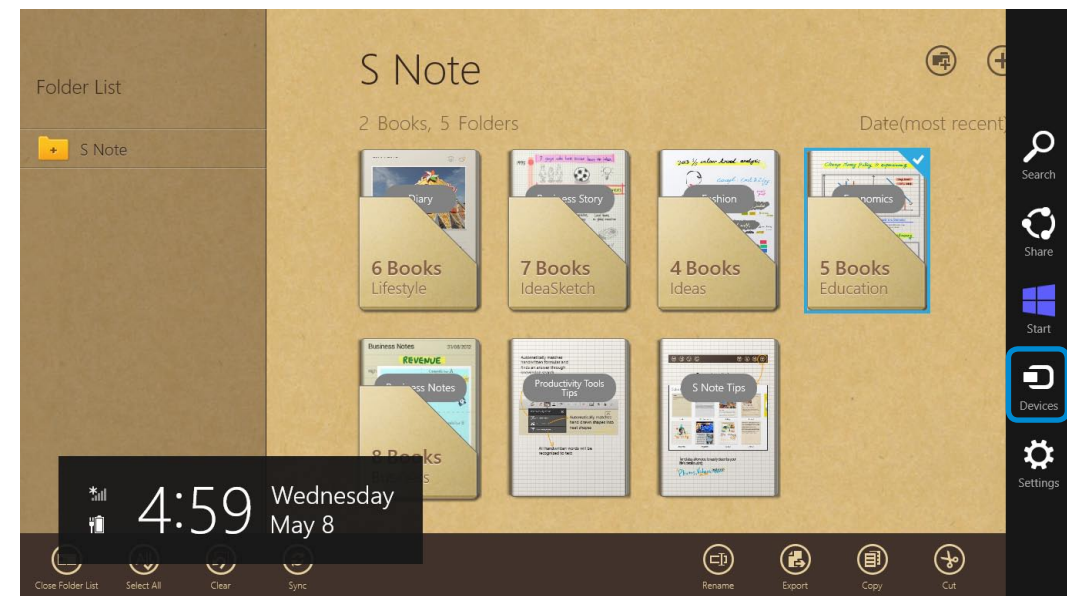
- 3 Send an email according to the instructions below.



- You need a Microsoft account to use the email app.
- To register a note to an app other than the email app, select **Charm menu** > **Settings** > **Change PC Settings** > **Sharing** and set the **App to be used for sharing** option to **On**.

Printing a note

- 1 Slightly drag the note to be printed downward in the folder. The note is selected.
- 2 Select **AppBar** > **More** > **Print**.
Alternatively, select **Charm menu** > **Device** and select a printing device.



- 3 Print the note according to the instructions.

You can enjoy photo, video and music files with the S Camera+, S PhotoStudio and S Player+ apps.

S Camera+	You can take photos and record videos with the S Camera+ app, and view them directly in this app.
S PhotoStudio	You can edit photos/videos recorded with S Camera+.
S Player+	You can view the photo, video and music files saved on the computer.



Depending on the version of the program, some functions may not be provided or different functions may be provided.



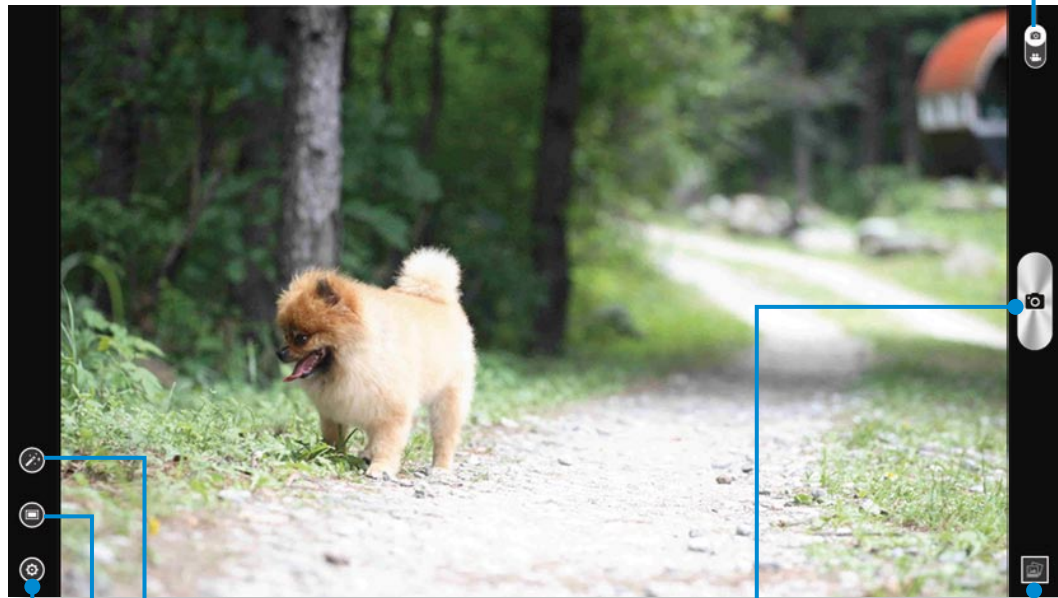
Third-party software related services

- For descriptions about and service requests for third-party software, please contact the relevant manufacturer.
- Some troubleshooting actions in response to service requests may not work depending on the software manufacturer.

Using the S Camera+ app

- 1 On the Start screen, select **S Camera+**.

Switch between Photo and Video mode



Advanced settings

Switch the recording mode

Apply frame and filtering effects

Start
recording

Picture
preview

- 2 To take a picture, slide the camera mode bar into the Photo  position.
To make a video recording, slide the camera mode bar to the Video  position.
- 3 Focus on the target, and click  to start recording.
- 4 You can view the picture or video using the **Picture preview**  or **Gallery** app.



The S Camera+ app is not available in Desktop mode.

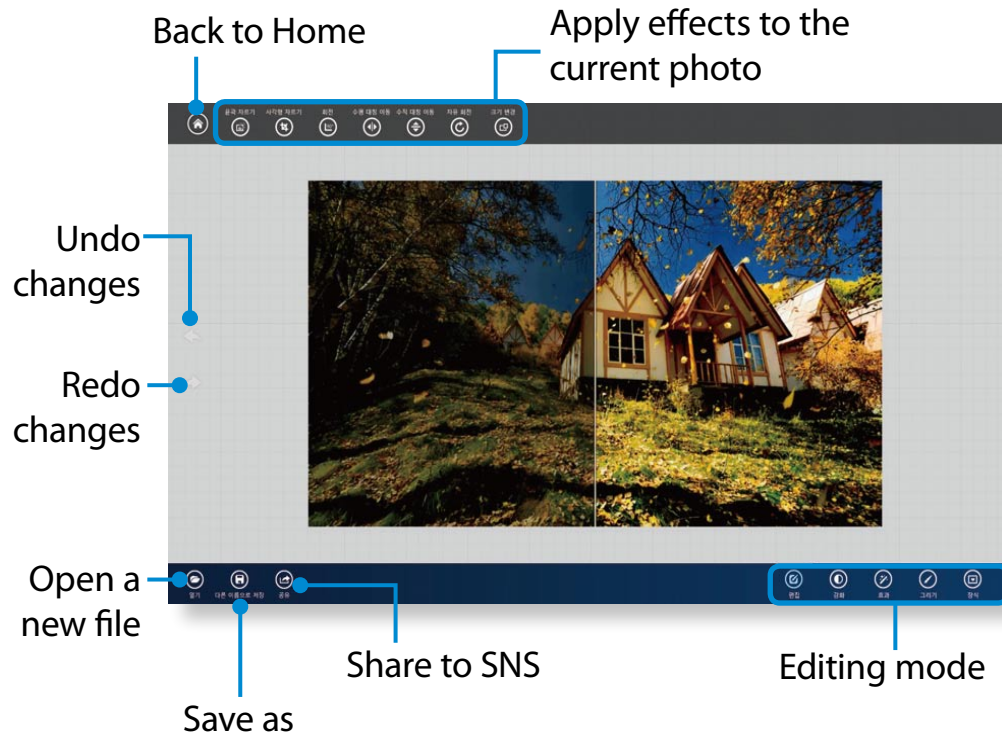


Precautions while taking a picture or video

- Do not take a picture or video of others without their consent.
- Do not take a picture or video in locations where this is not allowed.
- Do not take picture or videos in locations where you may infringe on others' privacy or confidential information may be exposed.

Using the PhotoStudio app

- 1 On the Start screen, select **S PhotoStudio**.
- 2 Select a photo to edit.
- 3 Select an editing mode from the lower-right bar. The content of the top-left bar differs depending on the selected editing mode.
- 4 When done, save the image as a different name.



Using the S Player+ app

- 1 On the Start screen, select **S Player+**.
- 2 From the menu bar, click **Open > Open File...**, and then select a file to play.



Samsung Kies

You can use Samsung Kies to sync multimedia files and documents between the computer and mobile devices, or upgrade the firmware of the connected mobile device to the latest version.



For more information, refer to the Help section of this application.

HomeSync

You can use the computer as Cloud storage to save the uploaded files from Samsung mobile devices. Specify a shared folder and get instant access to the content of the folder on the move.



For more information, refer to the Help section of this application.

SideSync

You can use SideSync to share and control the display between the computer and Samsung mobile devices, or share files between them. Select one from the following two options:

- **Keyboard/Mouse Sharing** : You can use the computer's keyboard or mouse on mobile devices.
- **Phone Screen Sharing** : You can view the mobile device's screen on the computer.



For more information, refer to the Help section of this application.

SW Update is a software program that searches for Samsung software programs and drivers installed when you purchased the computer and helps you update any drivers or programs.



- You can check updatable files before performing the update only when you are connected to the internet.
- SW Update does not provide any updates for device drivers or software programs installed separately by the user.

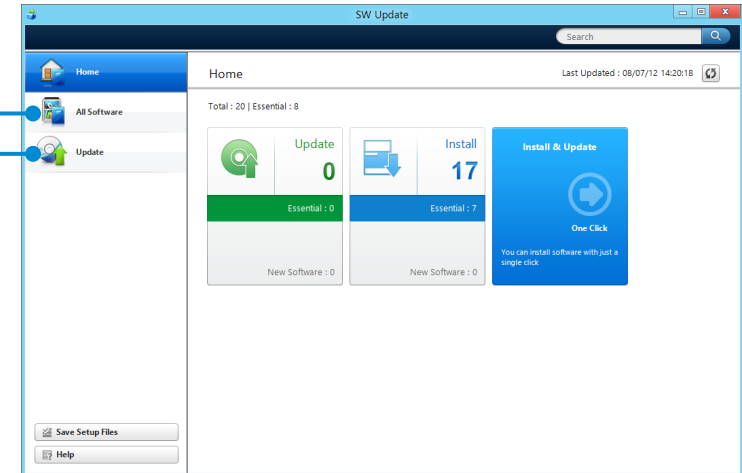
1 Right-click over the **Start screen**.
Click **SW Update** in the **All Apps**  menu item.

2 If the program is running for the first time, the User Agreement for personal information use appears.
Click **Agree**.

3 The **SW Update** program runs.

Select the items that you want to update before proceeding with the update process.

Software List
Software
Update



The Support Center program, which is Samsung's computer's troubleshooting guide, supports diagnosing the system and has a FAQ for frequently occurring problem(s).



Support Center may not be provided or may be a different version depending on the model.

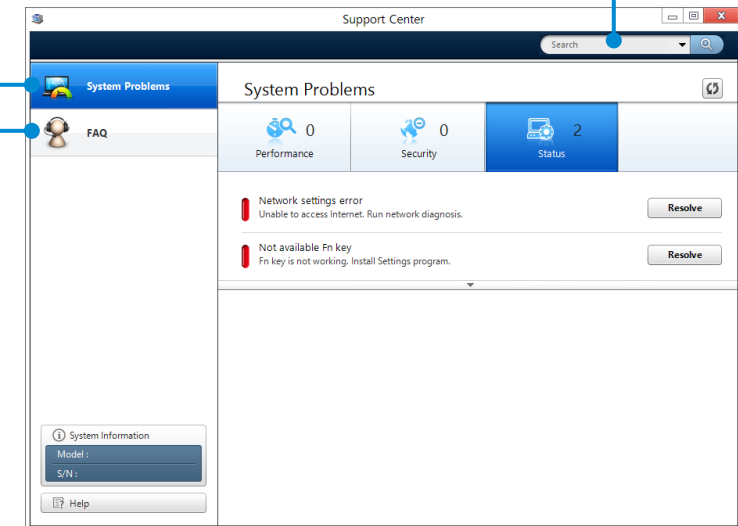
- 1 Right-click over the **Start screen**.
Click **Support Center** in the **All Apps**  menu item.

- 2 Support Center is activated and starts diagnosing your computer.

After the diagnosing process is finished, the System Status menu displays a list of the current problems to be solved as shown.

Diagnosing
Computer and
Troubleshooting
FAQ for
computer's
major problems

Searching for
computer's problems



- 3 You can solve a problem by clicking the Troubleshoot button for the problem.