

# Inspiron 17 5000

## Setup and Specifications

**Computer Model:** Inspiron 5770  
**Regulatory Model:** P35E  
**Regulatory Type:** P35E001



# Notes, cautions, and warnings

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**NOTE:** A NOTE indicates important information that helps you make better use of your product.



**CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



**WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Set up your computer

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- 1 Connect the power adapter and press the power button.

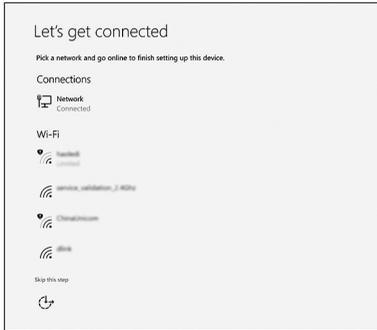


 **NOTE:** To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.

2 Finish operating system setup.

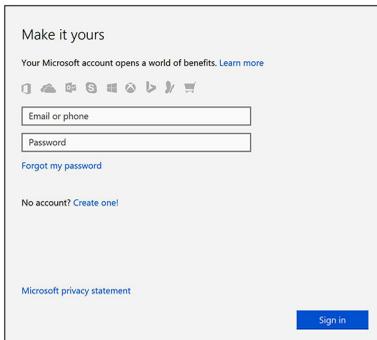
**For Windows:**

a) Connect to a network.



**NOTE: If you are connecting to a secure wireless network, enter the password for the network when prompted.**

b) Sign in to your Microsoft account or create a new account.



**For Ubuntu:**

Follow the instructions on the screen to finish setup.



3 Locate Dell apps in Windows.

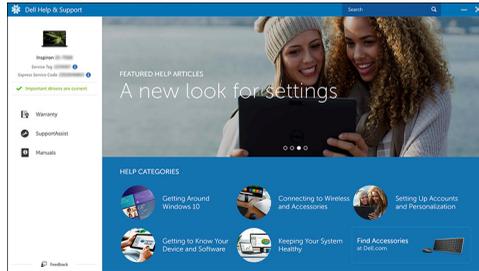
**Table 1. Locate Dell apps**



Register your computer



Dell Help & Support



SupportAssist—Check and update your computer

4 Create recovery drive for Windows.



**NOTE: It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.**

For more information, see [Create a USB recovery drive for Windows.](#)



# Create a USB recovery drive for Windows

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Dell recommends that you create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.



**NOTE:** The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

- 1 Connect the USB flash drive to your computer.
- 2 In Windows search, type *Recovery*.
- 3 In the search results, click **Create a recovery drive**.  
The **User Account Control** window is displayed.
- 4 Click **Yes** to continue.  
The **Recovery Drive** window is displayed.
- 5 Select **Back up system files to the recovery drive** and click **Next**.
- 6 Select the **USB flash drive** and click **Next**.  
A message appears, indicating that all data in the USB flash drive will be deleted.
- 7 Click **Create**.



**NOTE:** This process may take several minutes to complete.

- 8 Click **Finish**.

## Reinstall Windows using a USB recovery drive



**CAUTION:** This process formats the hard drive and removes all data on your computer. Ensure that you back up data on your computer before beginning this task.



**NOTE:** Before reinstalling Windows, ensure your computer has more than 2 GB of memory and more than 32 GB of storage space.

- 1 Connect the USB recovery drive to your computer.
- 2 Restart your computer.

- 3 Press F12 after the Dell logo is displayed on the screen to access the boot menu. A **Preparing one-time boot menu** message appears.
- 4 After the boot menu loads, select the USB recovery device under **UEFI BOOT**. The system reboots and a screen to **Choose the keyboard layout** is displayed.
- 5 Choose your keyboard layout.
- 6 In the **Choose an option** screen, click **Troubleshoot**.
- 7 Click **Recover from a drive**.
- 8 Choose one of the following options:
  - **Just remove my files** to do a quick format.
  - **Fully clean the drive** to do a complete format.
- 9 Click **Recover** to start the recovery process.

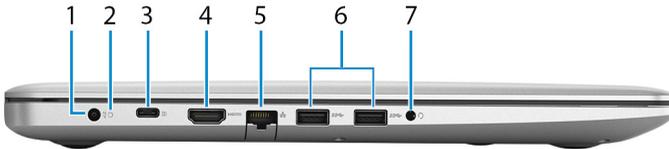
This will take several minutes to complete and your computer will restart during this process.



# Views

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## Left



### 1 Power-adaptor port

Connect a power adapter to provide power to your computer and charge the battery.

### 2 Battery-status light/Hard-drive activity light

Indicates the battery-charge status or the hard-drive activity.

 **NOTE: Hard-drive activity light is supported only on computers shipped with hard drive.**

 **NOTE: Press Fn+H to toggle between the battery-status light and hard-drive activity light.**

### 3 USB 3.1 Gen 1 (Type-C) port with Power Delivery/DisplayPort

Connect peripherals such as external storage devices, printers, and external displays.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 15 W power output that enables faster charging.

 **NOTE: An adapter (sold separately) is required to connect a DisplayPort device.**

### 4 HDMI port

Connect a TV or another HDMI-in enabled device. Provides video and audio output.

### 5 Network port

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access.

### 6 USB 3.1 Gen 1 ports (2)

Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 5 Gbps.

7 **Headset port**

Connect headphones or a headset (headphone and microphone combo).

## Right



1 **SD-card slot**

Reads from and writes to the SD card.

2 **USB 2.0 port**

Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 480 Mbps.

3 **Optical drive**

Reads from and writes to CDs, DVDs, and Blu-ray discs.



**NOTE: Blu-ray support is only available in certain regions.**

4 **Security-cable slot (for Noble locks)**

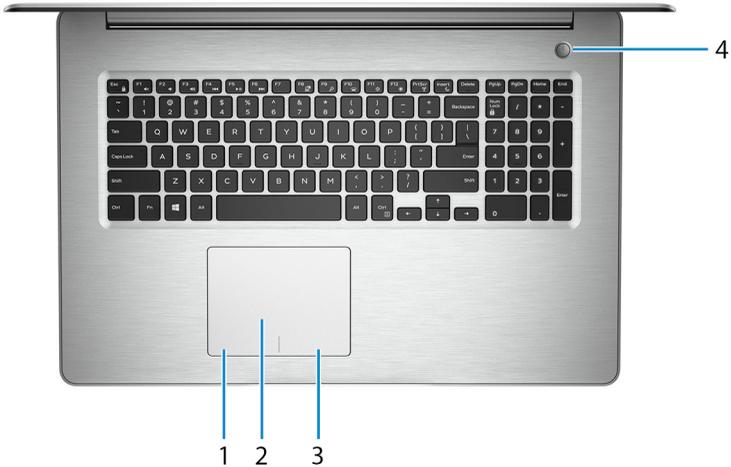
Connect a security cable to prevent unauthorized movement of your computer.

# Display



- 1 Left microphone**  
Provides digital sound input for audio recording and voice calls.
- 2 Camera**  
Enables you to video chat, capture photos, and record videos.
- 3 Camera-status light**  
Turns on when the camera is in use.
- 4 Right microphone**  
Provides digital sound input for audio recording and voice calls.

# Base



**1 Left-click area**

Press to left-click.

**2 Touchpad**

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two finger tap to right-click.

**3 Right-click area**

Press to right-click.

**4 Power button with optional fingerprint reader**

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for four seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button to log in.



 **NOTE:** Before using the fingerprint reader, configure it in Windows to recognize your fingerprint as a passcode and enable access. For more information, see [www.dell.com/support/windows](http://www.dell.com/support/windows).

 **NOTE:** You can customize power-button behavior in Windows. For more information, see *Me and My Dell* at <http://www.dell.com/support/manuals>.

## Bottom



**1 Left speaker**

Provides audio output.

**2 Service Tag label**

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

**3 Right speaker**

Provides audio output.

# Specifications

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## Computer model

**Table 2. Computer model**

Computer model	Inspiron 5770
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## System information

**Table 3. System information**

Processor	<ul style="list-style-type: none"><li>• 8<sup>th</sup> generation Intel Core i5/i7</li><li>• 7<sup>th</sup> generation Intel Core i3/i5/i7</li><li>• 6<sup>th</sup> generation Intel Core i3</li><li>• Intel Pentium</li></ul>
Chipset	Integrated in processor

## Operating system

**Table 4. Operating system**

Operating systems supported	<ul style="list-style-type: none"><li>• Ubuntu</li><li>• Windows 10 Home (64-bit)</li><li>• Windows 10 Professional (64-bit)</li></ul>
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## Dimensions and weight

**Table 5. Dimensions and weight**

Height	25 mm (0.98 in)
Width	415.40 mm (16.35 in)
Depth	279.20 mm (11 in)



Weight

2.90 kg (6.39 lb)



**NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.**

## Memory

**Table 6. Memory specifications**

Slots	Two SODIMM slots
Type	Dual-channel DDR4
Speed	Up to 2400 MHz
Configurations supported:	
Per memory module slot	2 GB, 4 GB, 8 GB, and 16 GB
Total memory	4 GB, 6 GB, 8 GB, 12 GB, and 16 GB

## Ports and connectors

**Table 7. Ports and connectors**

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<b>External:</b>	
Network	One RJ-45 port
USB	<ul style="list-style-type: none"><li>• One USB 3.1 Gen 1 (Type-C) port/ DisplayPort (optional)</li><li>• Two USB 3.1 Gen 1 ports</li><li>• One USB 2.0 port</li></ul>
Audio/Video	<ul style="list-style-type: none"><li>• One HDMI 1.4b port</li><li>• One headset (headphone and microphone combo) port</li></ul>

**Table 8. Ports and connectors**

Internal:	
M.2 slot	<ul style="list-style-type: none"><li>• One M.2 slot for the Wi-Fi and Bluetooth combo card</li><li>• One M.2 slot for solid-state drive</li></ul>
Technology supported	PCI Express

## Communications

**Table 9. Supported communications**

Ethernet	10/100 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none"><li>• Wi-Fi 802.11ac + Wi-Fi 802.11a/b/g/n</li><li>• Wi-Fi 802.11b/g/n</li><li>• Bluetooth 4.0</li><li>• Bluetooth 4.1</li><li>• Bluetooth 4.2</li><li>• Miracast</li></ul>



**NOTE: Windows 10 currently supports up to Bluetooth 4.1.**

## Wireless module

**Table 10. Wireless module specifications**

Transfer rate	Up to 433 Mbps	Up to 867 Mbps	Up to 150 Mbps
Frequency bands supported	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz	2.4 GHz only
Encryption	<ul style="list-style-type: none"><li>• 64-bit and 128-bit WEP</li><li>• CKIP</li><li>• TKIP</li><li>• AES-CCMP</li></ul>	<ul style="list-style-type: none"><li>• 64-bit and 128-bit WEP</li><li>• CKIP</li><li>• TKIP</li><li>• AES-CCMP</li></ul>	<ul style="list-style-type: none"><li>• 64-bit and 128-bit WEP</li><li>• CKIP</li><li>• TKIP</li><li>• AES-CCMP</li></ul>



# Audio

**Table 11. Audio specifications**

Controller	Realtek ALC3246 with Waves MaxxAudio Pro
Speakers	Two
Speaker output	<ul style="list-style-type: none"><li>• Average – 2 W</li><li>• Peak – 2.5 W</li></ul>
Microphone	Digital-array microphones
Volume controls	Media-control shortcut keys

# Storage

**Table 12. Storage specifications**

Interface	<ul style="list-style-type: none"><li>• SATA 6 Gbps for hard drive</li><li>• SATA 6 Gbps for solid-state drive</li><li>• SATA 1.5 Gbps for optical drive</li></ul>
Hard drive	One 2.5-inch drive
Maximum configuration supported	Up to 2 TB (5400 rpm)
Solid-state drive (SSD)	<ul style="list-style-type: none"><li>• M.2 SATA SSD</li><li>• M.2 NVMe SSD</li></ul>
Maximum configuration supported	<ul style="list-style-type: none"><li>• M.2 SATA SSD—Up to 256 GB</li><li>• M.2 NVMe SSD—Up to 512 GB</li></ul>
Technology supported	PCI Express
Optical drive	One 9.5 mm DVD+/-RW drive or Blu-ray Disc writer





**NOTE: Blu-ray support is only available in certain regions.**

## Media-card reader

**Table 13. Media-card reader specifications**

Type	One SD-card slot
Cards supported	SD card

## Keyboard

**Table 14. Keyboard specifications**

Type	<ul style="list-style-type: none"><li>• Standard keyboard</li><li>• Backlit keyboard (optional)</li></ul>
Shortcut keys	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p>



**NOTE: Press Fn+Esc to switch the primary behavior of the function keys (F1–F12) between two modes – multimedia key mode and function key mode.**



**NOTE: You can define the primary behavior of the shortcut keys by pressing Fn+Esc or by changing Function Key Behavior in System Setup.**

[Keyboard shortcuts](#)



# Camera

**Table 15. Camera specifications**

Resolution	<ul style="list-style-type: none"><li>• Still image: 0.92 megapixel</li><li>• Video: 1280 x 720 (HD) at 30 fps</li></ul>
Diagonal viewing angle	75 degrees

# Touchpad

**Table 16. Touchpad**

Resolution	<ul style="list-style-type: none"><li>• Horizontal: 1228</li><li>• Vertical: 928</li></ul>
Dimensions	<ul style="list-style-type: none"><li>• Height: 80 mm (3.15 in)</li><li>• Width: 105 mm (4.13 in)</li></ul>

# Power adapter

**Table 17. Power adapter specifications**

Type	<ul style="list-style-type: none"><li>• 45 W—for integrated configuration</li><li>• 65 W—for discrete configuration</li></ul>
Diameter (connector)	4.5 mm
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.30 A/1.60 A/1.70 A
Output current (continuous)	2.31 A/3.34 A
Rated output voltage	19.50 VDC
Temperature range	

Operating	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)

## Battery

**Table 18. Battery specifications**

Type	3-cell "smart" lithium ion (42 WHr)
Dimensions:	
Width	97.15 mm (3.82 in)
Depth	184.15 mm (7.25 in)
Height	5.9 mm (0.23 in)
Weight (maximum)	0.2 kg (0.44 lb)
Voltage	11.40 VDC
Life span (approximate)	300 discharge/charge cycles
Temperature range:	
Operating	0°C to 35°C (32°F to 95°F)
Storage	-40°C to 65°C (-40°F to 149°F)
Coin-cell battery	CR-2032
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

## Video

**Table 19. Video specifications**

	Integrated	Discrete
Controller	<ul style="list-style-type: none"> <li>Intel UHD Graphics 620 on computers shipped with 8<sup>th</sup> generation Intel Core i5/i7 processors</li> <li>Intel HD Graphics 620 on computers shipped with</li> </ul>	AMD Radeon 530



	<b>Integrated</b>	<b>Discrete</b>
	7 <sup>th</sup> generation Intel Core i3/i5/i7 processors	
	<ul style="list-style-type: none"> <li>Intel HD Graphics 610 on computers shipped with Intel Pentium processor</li> </ul>	
Memory	Shared system memory	Up to 4 GB GDDR5

## Display

**Table 20. Display specifications**

<b>Type</b>	<b>17.3-inch HD+ Non-touchscreen TN (Twisted Nematic) panel</b>	<b>17.3-inch FHD Non-touchscreen IPS (In-Plane Switching) panel</b>
Resolution (maximum)	1600 x 900	1920 x 1080
Viewing angle	40/40/10/30	80/80/80/80
Pixel pitch	0.2388 mm	0.1989 mm
Dimensions		
Height (excluding bezel)	382.08 mm (15.04 in)	381.89 mm (15.03 in)
Width (excluding bezel)	214.92 mm (8.46 in)	214.81 mm (8.46 in)
Diagonal (excluding bezel)	439.42 mm (17.30 in)	439.42 mm (17.30 in)
Refresh rate	60 Hz	
Operating angle	0 degrees (closed) to 135 degrees	
Controls	Brightness can be controlled using shortcut keys	

## Computer environment

**Airborne contaminant level:** G1 as defined by ISA-S71.04-1985

**Table 21. Computer environment**

	<b>Operating</b>	<b>Storage</b>
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G <sup>†</sup>	160 G <sup>‡</sup>
Altitude (maximum)	-15.20 m to 3048 m (-50 ft to 10,000 ft)	-15.20 m to 10,668 m (-50 ft to 35,000 ft)

\* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse when the hard drive is in use.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.



# Keyboard shortcuts

 **NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

**Table 22.** List of keyboard shortcuts

Keys	Description
	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Toggle keyboard backlight (optional)
	Decrease brightness
	Increase brightness
 + 	Turn off/on wireless
 + 	Toggle Scroll Lock

Keys	Description
 + 	Toggle Fn-key lock
 + 	Pause/Break
 + 	Sleep
 + 	System request
 + 	Open application menu
 + 	<p data-bbox="499 544 958 595">Toggle between battery-status light and hard-drive activity light</p> <p data-bbox="499 616 958 695"> <b>NOTE: Hard-drive activity light is supported only on computers shipped with a hard drive.</b></p>

# Getting help and contacting Dell

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## Self-help resources

You can get information and help on Dell products and services using these self-help resources:

### Table 23. Self-help resources

Information about Dell products and services

[www.dell.com](http://www.dell.com)

Dell Help & Support app



Accessing help

In Windows search, type **Help** and **Support**, and press Enter.

Online help for operating system

[www.dell.com/support/windows](http://www.dell.com/support/windows)

[www.dell.com/support/linux](http://www.dell.com/support/linux)

Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.

[www.dell.com/support](http://www.dell.com/support)

Dell knowledge base articles for a variety of computer concerns.

- 1 Go to [www.dell.com/support](http://www.dell.com/support).
- 2 Type the subject or keyword in the **Search** box.
- 3 Click **Search** to retrieve the related articles.

Learn and know the following information about your product:

See *Me and My Dell* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

- Product specifications
- Operating system
- Setting up and using your product
- Data backup
- Troubleshooting and diagnostics

To locate the *Me and My Dell* relevant to your product, identify your product through one of the following:

- Select **Detect Product**.

- Factory and system restore
- BIOS information
- Locate your product through the drop-down menu under **View Products**.
- Enter the **Service Tag number** or **Product ID** in the search bar.

## Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see [www.dell.com/contactdell](http://www.dell.com/contactdell).



**NOTE: Availability varies by country and product, and some services may not be available in your country.**



**NOTE: If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.**

