Inspiron 15 5000
Setup and Specifications
Notes, cautions, and warnings

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

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

![Image of connecting power adapter]

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.

   ![Network Connection](image)

   **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.

   ![Microsoft Account Sign-in](image)

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

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

Left

1. **Power-adapter 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**

**For computers with optical drive**

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.

**For computers without optical drive**

**For computers without optical drive**

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 **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.
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.

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

Computer model

Table 2. Computer model

| Computer model | Inspiron 5570 |

System information

Table 3. System information

Processor

- 8th generation Intel Core i5/i7
- 7th generation Intel Core i3/i5/i7
- 6th generation Intel Core i3
- Intel Pentium
- Intel Celeron

Chipset

Integrated in processor

Operating system

Table 4. Operating system

Operating systems supported

- Ubuntu
- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)

Dimensions and weight

Table 5. Dimensions and weight

Height

- 22.70 mm (0.89 in)–with optical drive
Width: 380 mm (14.96 in)
Depth: 258 mm (10.16 in)
Weight:
- 19.90 mm (0.78 in)—without optical drive
- 2.12 kg (4.67 lb)—without optical drive
- 2.33 kg (5.14 lb)—with optical drive

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

### Memory

**Table 6. Memory specifications**

<table>
<thead>
<tr>
<th>Slots</th>
<th>Two SODIMM slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Dual-channel DDR4</td>
</tr>
<tr>
<td>Speed</td>
<td>Up to 2400 MHz</td>
</tr>
<tr>
<td>Configurations supported:</td>
<td></td>
</tr>
<tr>
<td>Per memory module slot</td>
<td>2 GB, 4 GB, 8 GB, and 16 GB</td>
</tr>
<tr>
<td>Total memory</td>
<td>4 GB, 6 GB, 8 GB, 12 GB, and 16 GB</td>
</tr>
</tbody>
</table>

### Ports and connectors

**Table 7. Ports and connectors**

<table>
<thead>
<tr>
<th>External:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network</td>
</tr>
<tr>
<td>USB</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
External:
Audio/Video
- One HDMI 1.4b port
- One headset (headphone and microphone combo) port

Table 8. Ports and connectors

Internal:
M.2 slot
- One M.2 slot for the Wi-Fi and Bluetooth combo card
- One M.2 slot for solid-state drive

Technology supported: PCI Express

Communications

Table 9. Supported communications

<table>
<thead>
<tr>
<th>Ethernet</th>
<th>10/100 Mbps Ethernet controller integrated on system board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless</td>
<td>Wi-Fi 802.11ac + Wi-Fi 802.11a/b/g/n</td>
</tr>
</tbody>
</table>

NOTE: Windows 10 currently supports up to Bluetooth 4.1.

Wireless module

Table 10. Wireless module specifications

<table>
<thead>
<tr>
<th>Transfer rate</th>
<th>Up to 433 Mbps</th>
<th>Up to 867 Mbps</th>
<th>Up to 150 Mbps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency bands supported</td>
<td>Dual band 2.4 GHz/5 GHz</td>
<td>Dual band 2.4 GHz/5 GHz</td>
<td>2.4 GHz only</td>
</tr>
</tbody>
</table>
Encryption
- 64-bit and 128-bit WEP
- CKIP
- TKIP
- AES-CCMP

Audio

**Table 11. Audio specifications**

**Controller**
Realtek ALC3246 with Waves MaxxAudio Pro

**Speakers**
Two

**Speaker output**
- Average – 2 W
- Peak – 2.5 W

**Microphone**
Digital-array microphones

**Volume controls**
Media-control shortcut keys

Storage

**Table 12. Storage specifications**

**Interface**
- SATA 6 Gbps for hard drive
- SATA 6 Gbps for solid-state drive
- SATA 1.5 Gbps for optical drive

**Hard drive**
One 2.5-inch drive

**Maximum configuration supported**
Up to 2 TB (5400 rpm)

**Solid-state drive (SSD)**
- M.2 SATA SSD
- M.2 NVMe SSD

**Maximum configuration supported**
- M.2 SATA SSD–Up to 256 GB
- M.2 NVMe SSD–Up to 512 GB
Technology supported
- Optical drive (optional)

PCI Express
- 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

<table>
<thead>
<tr>
<th>Type</th>
<th>One SD-card slot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cards supported</td>
<td>SD card</td>
</tr>
</tbody>
</table>

Keyboard

Table 14. Keyboard specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Standard keyboard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Backlit keyboard (optional)</td>
</tr>
</tbody>
</table>

Shortcut keys

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.

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.
Camera

Table 15. Camera specifications

Resolution
- Still image: 0.92 megapixel
- Video: 1280 x 720 (HD) at 30 fps

Diagonal viewing angle
75 degrees

Touchpad

Table 16. Touchpad

Resolution
- Horizontal: 1228
- Vertical: 928

Dimensions
- Height: 80 mm (3.15 in)
- Width: 105 mm (4.13 in)

Power adapter

Table 17. Power adapter specifications

Type
- 45 W—for integrated configuration
- 65 W—for discrete configuration

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

<table>
<thead>
<tr>
<th>Type</th>
<th>3-cell &quot;smart&quot; lithium ion (42 Whr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions:</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>97.15 mm (3.82 in)</td>
</tr>
<tr>
<td>Depth</td>
<td>184.15 mm (7.25 in)</td>
</tr>
<tr>
<td>Height</td>
<td>5.9 mm (0.23 in)</td>
</tr>
<tr>
<td>Weight (maximum)</td>
<td>0.2 kg (0.44 lb)</td>
</tr>
<tr>
<td>Voltage</td>
<td>11.40 VDC</td>
</tr>
<tr>
<td>Life span (approximate)</td>
<td>300 discharge/charge cycles</td>
</tr>
<tr>
<td>Temperature range:</td>
<td></td>
</tr>
<tr>
<td>Operating</td>
<td>0°C to 35°C (32°F to 95°F)</td>
</tr>
<tr>
<td>Storage</td>
<td>–40°C to 65°C (–40°F to 149°F)</td>
</tr>
<tr>
<td>Coin-cell battery</td>
<td>CR-2032</td>
</tr>
</tbody>
</table>

Video

Table 19. Video specifications

<table>
<thead>
<tr>
<th>Integrated</th>
<th>Discrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controller</td>
<td>AMD Radeon 530</td>
</tr>
<tr>
<td>• Intel UHD Graphics 620 on computers shipped with 8th generation Intel Core i5/i7 processors</td>
<td></td>
</tr>
</tbody>
</table>
Integrated Discrete

- Intel HD Graphics 620 on computers shipped with 7th generation Intel Core i3/15/i7 processors
- Intel HD Graphics 610 on computers shipped with Intel Pentium and Celeron processors

Memory
Shared system memory
Up to 4 GB GDDR5

Display

Table 20. Display specifications

<table>
<thead>
<tr>
<th></th>
<th>15.6-inch HD Non-touchscreen TN (Twisted Nematic) panel</th>
<th>15.6-inch FHD Touch/Non-touchscreen TN (Twisted Nematic) panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution (maximum)</td>
<td>1366 x 768</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>40/40/10/30</td>
<td>40/40/10/30</td>
</tr>
<tr>
<td>Pixel pitch</td>
<td>0.252 mm</td>
<td>0.179 mm</td>
</tr>
<tr>
<td>Dimensions:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height (excluding bezel)</td>
<td>344 mm (13.54 in)</td>
<td></td>
</tr>
<tr>
<td>Width (excluding bezel)</td>
<td>194 mm (7.63 in)</td>
<td></td>
</tr>
<tr>
<td>Diagonal (excluding bezel)</td>
<td>395 mm (15.55 in)</td>
<td></td>
</tr>
<tr>
<td>Refresh rate</td>
<td>60 Hz</td>
<td></td>
</tr>
<tr>
<td>Operating angle</td>
<td>0 degrees (closed) to 135 degrees</td>
<td></td>
</tr>
<tr>
<td>Controls</td>
<td>Brightness can be controlled using shortcut keys</td>
<td></td>
</tr>
</tbody>
</table>

Computer environment

**Airborne contaminant level:** G1 as defined by ISA-S71.04-1985
<table>
<thead>
<tr>
<th></th>
<th>Operating</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature range</td>
<td>0°C to 35°C</td>
<td>-40°C to 65°C</td>
</tr>
<tr>
<td></td>
<td>(32°F to 95°F)</td>
<td>(−40°F to 149°F)</td>
</tr>
<tr>
<td>Relative humidity (max)</td>
<td>10% to 90%</td>
<td>0% to 95%</td>
</tr>
<tr>
<td></td>
<td>(non-condensing)</td>
<td>(non-condensing)</td>
</tr>
<tr>
<td>Vibration (max)*</td>
<td>0.66 GRMS</td>
<td>1.30 GRMS</td>
</tr>
<tr>
<td>Shock (max)</td>
<td>110 G†</td>
<td>160 G‡</td>
</tr>
<tr>
<td>Altitude (max)</td>
<td>−15.20 m to 3048 m</td>
<td>−15.20 m to 10,668 m</td>
</tr>
<tr>
<td></td>
<td>(−50 ft to 10,000 ft)</td>
<td>(−50 ft to 35,000 ft)</td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Keys</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>Mute audio</td>
</tr>
<tr>
<td>F2</td>
<td>Decrease volume</td>
</tr>
<tr>
<td>F3</td>
<td>Increase volume</td>
</tr>
<tr>
<td>F4</td>
<td>Play previous track/chapter</td>
</tr>
<tr>
<td>F5</td>
<td>Play/Pause</td>
</tr>
<tr>
<td>F6</td>
<td>Play next track/chapter</td>
</tr>
<tr>
<td>F8</td>
<td>Switch to external display</td>
</tr>
<tr>
<td>F9</td>
<td>Search</td>
</tr>
<tr>
<td>F10</td>
<td>Toggle keyboard backlight (optional)</td>
</tr>
<tr>
<td>F11</td>
<td>Decrease brightness</td>
</tr>
<tr>
<td>F12</td>
<td>Increase brightness</td>
</tr>
<tr>
<td>Fn +</td>
<td>Turn off/on wireless</td>
</tr>
<tr>
<td>Fn + S</td>
<td>Toggle Scroll Lock</td>
</tr>
<tr>
<td>Keys</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Fn + Esc</td>
<td>Toggle Fn-key lock</td>
</tr>
<tr>
<td>Fn + B</td>
<td>Pause/Break</td>
</tr>
<tr>
<td>Fn + Insert</td>
<td>Sleep</td>
</tr>
<tr>
<td>Fn + R</td>
<td>System request</td>
</tr>
<tr>
<td>Fn + Ctrl</td>
<td>Open application menu</td>
</tr>
<tr>
<td></td>
<td>Toggle between battery-status light and hard-drive activity light</td>
</tr>
<tr>
<td>Fn + H</td>
<td>NOTE: Hard-drive activity light is supported only on computers shipped with a hard drive.</td>
</tr>
</tbody>
</table>
# Getting help and contacting Dell

## 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 |
| Dell Help & Support app | ![Dell Help & Support app icon] |
| Accessing help | In Windows search, type Help and Support, and press Enter. |
| Online help for operating system | www.dell.com/support/windows  
                             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 |
| Dell knowledge base articles for a variety of computer concerns. | |

Learn and know the following information about your product:

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

See *Me and My Dell* at www.dell.com/support/manuals.

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.

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.