

# Inspiron 15 5000 Gaming Setup and Specifications

**Computer Model:** Inspiron 15-5577  
**Regulatory Model:** P57F  
**Regulatory Type:** P57F003



# 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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Identifier	GUID-27FF3FA2-3BEA-41A6-B9D9-FB6EB4E09104
Status	Released

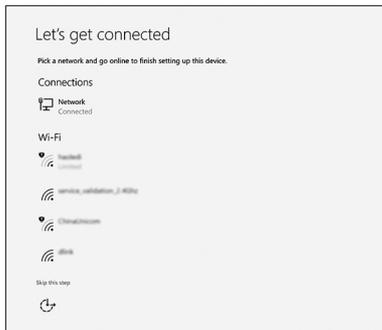
# Set up your computer

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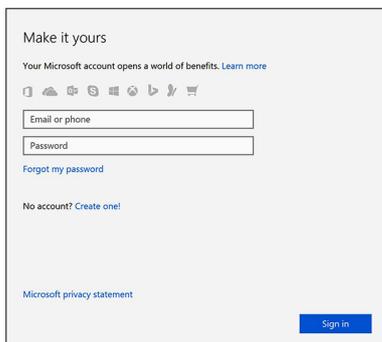
- 1 Connect the power adapter, and press the power button.



- 2 Finish operating system setup.
- a) Connect to a network.



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



3 Locate Dell apps in Windows.

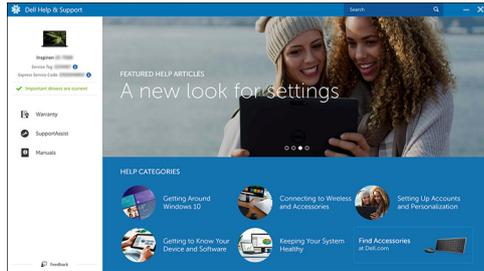
**Table 1. Locate Dell apps**



Register your computer



Dell Help and Support



SupportAssist — Check and update your computer

Identifier	GUID-2D826681-EB3C-4C25-8020-51D72DC4E332
Status	Released

## Views

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Identifier	GUID-637FA36E-8FAC-4CA8-96FF-EAB7A8B3C5DE
Status	Released

### Front



#### 1 Power and battery-status light/hard-drive activity light

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



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

#### Hard-drive activity light

Turns on when the computer reads from or writes to the hard drive.

#### Power and battery-status light

Indicates the power and battery-charge status.

**Solid white** — Power adapter is connected and the battery has more than 5% charge.

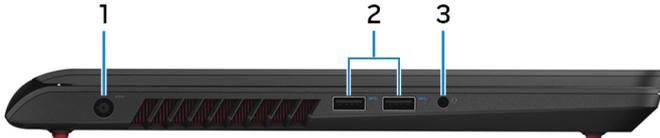
**Amber** — Computer is running on battery and the battery has less than 5% charge.

#### Off

- Power adapter is connected and the battery is fully charged.
- Computer is running on battery and the battery has more than 5% charge.
- Computer is in sleep state, hibernation, or turned off.

Identifier	GUID-7A84CBA4-E49D-4AB8-AF45-1E851AB5CC91
Status	Released

## Left



1 **Power-adaptor port**

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

2 **USB 3.0 ports (2)**

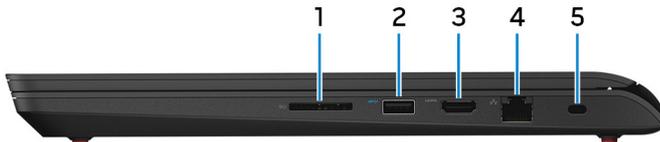
Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

3 **Headset port**

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

Identifier	GUID-F767097B-8228-459C-BC28-A88A51DCBECA
Status	Released

## Right



1 **Media-card reader**

Reads from and writes to media cards.

2 **USB 3.0 port with PowerShare**

Connect peripherals such as external storage devices and printers.

Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

 **NOTE:** If your computer is turned off or in hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in the BIOS setup program.

 **NOTE:** Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.

### 3 HDMI port

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

### 4 Network port

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

### 5 Security-cable slot

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

Identifier	GUID-E18DDDF1-0D7C-4BEF-AA23-8B57449D7B2B
Status	Released

## 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**

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

Press to put the computer in sleep state if it is turned on.

Press and hold for 4 seconds to force shut-down the computer.



**NOTE: You can customize the power-button behavior in Power Options. For more information, see *Me and My Dell* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).**

Identifier	GUID-8294FC39-6A37-4D9B-A94D-4BFEF9DDA798
Status	Released

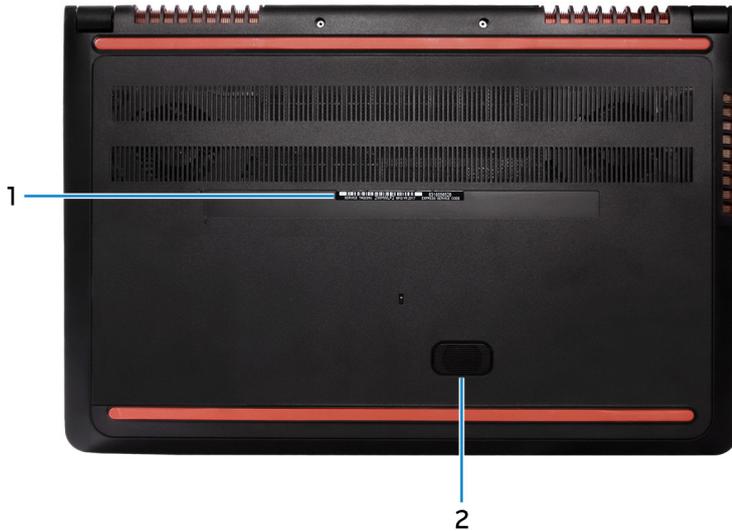
## Display



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

Identifier	GUID-B09B5E18-31EA-4322-8286-232078DDC2CE
Status	Released

## Bottom



1 **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.

2 **Subwoofer**

A speaker unit that is designed to produce low frequency bass sounds.

Identifier	GUID-444129F4-3593-4202-9DC5-193AC5E31C25
Status	Released

## Specifications

Identifier	GUID-9B910710-DC8A-439D-93F2-802002669B19
Status	Released

## Dimensions and weight

**Table 2. Dimensions and weight**

Height	25.3 mm (0.99 in)
Width	383 mm (15.07 in)
Depth	265 mm (10.43 in)
Weight (maximum)	2.57 kg (5.66 lb)



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

Identifier	GUID-15944E64-749A-4877-B132-1182EA2A79D5
Status	Released

## System information

**Table 3. System information**

Computer model	Inspiron 15-5577
Processor	7 <sup>th</sup> generation Intel Core i5/i7
Chipset	Intel HM175

Identifier	GUID-75C3ED1C-1BB5-4C43-854D-648447036C7B
Status	Released

## Memory

**Table 4. Memory specifications**

Slots	Two SODIMM slots
Type	Dual-channel DDR4
Speed	2400 MHz
Configurations supported	4 GB, 8 GB, 12 GB, 16 GB, and 32 GB

Identifier	GUID-8D4B30D6-16D2-4FEE-8ACA-5A46B4D95A3C
Status	Released

## Ports and connectors

**Table 5. Ports and connectors specifications**

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**External:**

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Network	One RJ-45 port
USB	<ul style="list-style-type: none"> <li>• One USB 3.0 port with PowerShare</li> <li>• Two USB 3.0 ports</li> </ul>
Audio/Video	<ul style="list-style-type: none"> <li>• One HDMI port</li> <li>• One headset (headphone and microphone combo) port</li> </ul>

**Table 6. Ports and connectors specifications**

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**Internal:**

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M.2 Card	<ul style="list-style-type: none"> <li>• One M.2 slot for SSD card (SATA)</li> <li>• One M.2 slot for WiFi/Bluetooth</li> </ul>
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Identifier	GUID-B0F4E4D1-B123-43C2-A0FB-122BF342425C
Status	Released

## Communications

**Table 7. Communication specifications**

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless (with Antenna Diversity)	<ul style="list-style-type: none"> <li>· Wi-Fi 802.11ac</li> <li>· Bluetooth 4.1</li> <li>· Bluetooth 4.2</li> </ul>

Identifier	GUID-2B709644-13F4-4A71-ADA4-98E66BCB78BC
Status	Released

## Audio

**Table 8. 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>
Subwoofer	One
Microphone	Digital-array microphones
Volume controls	Media-control shortcut keys

Identifier	GUID-9CE97403-5B91-4856-8461-7D02CFFE03DD
Status	Released

## Storage

**Table 9. Storage specifications**

Interface	<ul style="list-style-type: none"> <li>• SATA 6 Gbps</li> <li>• PCIe NVMe</li> </ul>
Hard drive	One 2.5-inch drive (SATA)
Solid-state drive (SSD)	One M.2 drive (SATA or PCIe NVMe)
Capacity	
Hard drive	<ul style="list-style-type: none"> <li>• Up to 1 TB (hard-drive only configuration)</li> <li>• Up to 1 TB hard drive + up to 128 GB SSD (dual drive configuration)</li> </ul> <p> <b>NOTE: You can purchase up to 512 GB SSD separately and upgrade later.</b></p>
SSD	Up to 512 GB (PCIe NVMe SSD only configuration)

Identifier	GUID-2FBC1019-5CA0-4550-8F5D-00C50E984D52
Status	Released

## Media-card reader

**Table 10. Media-card reader specifications**

Type	One 2-in-1 slot
Cards supported	<ul style="list-style-type: none"> <li>• SD card</li> <li>• MultiMedia Card (MMC)</li> </ul>

Identifier	GUID-025F509D-0768-4351-81D8-E23BDDA30061
Status	Released

## Keyboard

**Table 11. 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: You can define the primary behavior of the function keys (F1-F12) by changing Function Key Behavior in BIOS setup program.**

[Keyboard shortcuts](#)

Identifier	GUID-274AC23F-3620-4B8B-A28F-66AFAF9EED8A
Status	Released

## Camera

**Table 12. Camera specifications**

Resolution	<ul style="list-style-type: none"> <li>Still image: 1 megapixel</li> <li>Video: 1280 x 720 (HD) at 30 fps (maximum)</li> </ul>
Diagonal viewing angle	74 degrees

Identifier	GUID-AB708560-B327-4C97-A56B-20856A738FAC
Status	Released

## Touch pad

**Table 13. Touch pad**

Resolution	<ul style="list-style-type: none"> <li>Horizontal: 800</li> <li>Vertical: 800</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>Height: 80 mm (3.14 in)</li> <li>Width: 105 mm (4.13 in)</li> </ul>

Identifier	GUID-D5C80C64-D7F0-49F0-9EC9-006EB5ACE020
Status	Released

## Power adapter

**Table 14. Power adapter specifications**

Type	130 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.80 A
Output current (continuous)	6.70 A
Rated output voltage	19.50 VDC
Temperature range: Operating	0°C to 40°C (32°F to 104°F)
Temperature range: Storage	–40°C to 70°C (–40°F to 158°F)

Identifier	GUID-E72DF54C-5D2C-49F8-98D9-F7D59C66D486
Status	Released

## Battery

**Table 15. Battery specifications**

Type	6-cell “smart” lithium ion (74 WHr)
Dimensions:	
Width	177.80 mm (7 in)
Depth	87.85 mm (3.45 in)
Height	11.30 mm (0.44 in)
Weight (maximum)	0.35 kg (0.77 lb)
Voltage	11.10 VDC
Charging time (approximate)	4 hours (when the computer is off)
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range	<ul style="list-style-type: none"> <li>• Operating: 0°C to 35°C (32°F to 95°F)</li> <li>• Storage: -40°C to 65°C (-40°F to 149°F)</li> </ul>
Coin-cell battery	CR-2032

Identifier	GUID-A0E40862-B507-448A-8508-908F167C0A77
Status	Released

## Display

**Table 16. Display specifications**

Type	<ul style="list-style-type: none"> <li>• 15.6-inch FHD touch screen</li> </ul>
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- 15.6-inch FHD non-touch screen

Viewing angle (Left/Right/Up/Down)

Touch screen (In-plane switching panel) 80/80/80/80

Non-touch screen

- Twisted nematic panel:  
40/40/10/30
- In-plane switching panel:  
80/80/80/80

Resolution (maximum) 1920 x 1080

Pixel pitch 0.179 mm

Height (excluding bezel) 193.59 mm (7.62 in)

Width (excluding bezel) 344.16 mm (13.55 in)

Diagonal (excluding bezel) 394.87 mm (15.60 in)

Refresh rate 60 Hz

Operating angle 0 degrees (closed) to 135 degrees

Controls Brightness can be controlled using shortcut keys

**Identifier** GUID-A39BE823-676A-42FA-918D-B9ABB37AC4D9

**Status** Released

## Video

**Table 17. Video specifications**

	<b>Integrated</b>	<b>Discrete</b>
Controller	Intel HD Graphics 630	NVIDIA GeForce GTX 1050
Memory	Shared system memory	4 GB GDDR5

Identifier	GUID-0E3A882B-FBBE-40BF-AED7-9ABBDC8032A5
Status	Released

## Computer environment

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

**Table 18. Computer environment**

	Operating	Storage
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)	-15.2 m to 3048 m (-50 ft to 10,000 ft)	-15.2 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.

Identifier

GUID-F3A4F6A3-CA18-469D-8562-AC8F85D6FF9E

Status

Released

# Keyboard shortcuts

Table 19. 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
	Decrease brightness
	Increase brightness
 + 	Turn off/on wireless
 + 	Pause/Break

<b>Keys</b>	<b>Description</b>
	Sleep
	Toggle scroll lock
	Open application menu
	Toggle between power and battery-status light/hard-drive activity light
	Toggle Fn-key lock

Identifier	GUID-8B6ECA9D-83CA-45F7-BD6B-BB1F8EFAF446
Status	Released

# 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 20. Self-help resources**

Self-help resources	Resource location
Information about Dell products and services	<a href="http://www.dell.com">www.dell.com</a>
Dell Help & Support app	
Accessing help	In Windows search, type Help and Support, and press Enter.
Online help for operating system	<a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a>
Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.	<a href="http://www.dell.com/support">www.dell.com/support</a>
Dell knowledge base articles for a variety of computer concerns.	<ol style="list-style-type: none"> <li>1 Go to <a href="http://www.dell.com/support">www.dell.com/support</a>.</li> <li>2 Type the subject or keyword in the <b>Search</b> box.</li> <li>3 Click <b>Search</b> to retrieve the related articles.</li> </ol>
Learn and know the following information about your product: <ul style="list-style-type: none"> <li>• Product specifications</li> </ul>	See <i>Me and My Dell</i> at <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a> .

Self-help resources	Resource location
<ul style="list-style-type: none"> <li>• Operating system</li> <li>• Setting up and using your product</li> <li>• Data backup</li> <li>• Troubleshooting and diagnostics</li> <li>• Factory and system restore</li> <li>• BIOS information</li> </ul>	<p>To locate the <i>Me and My Dell</i> relevant to your product, identify your product through one of the following:</p> <ul style="list-style-type: none"> <li>• Select <b>Detect Product</b>.</li> <li>• Locate your product through the drop-down menu under <b>View Products</b>.</li> <li>• Enter the <b>Service Tag number</b> or <b>Product ID</b> in the search bar.</li> </ul>

## 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.**