Dell G3 3590

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.**

Contents

Set up your Dell G3 3590

ⓘ **NOTE: The images in this document may differ from your computer depending on the configuration you ordered.**

1   Connect the power adapter and press the power button.
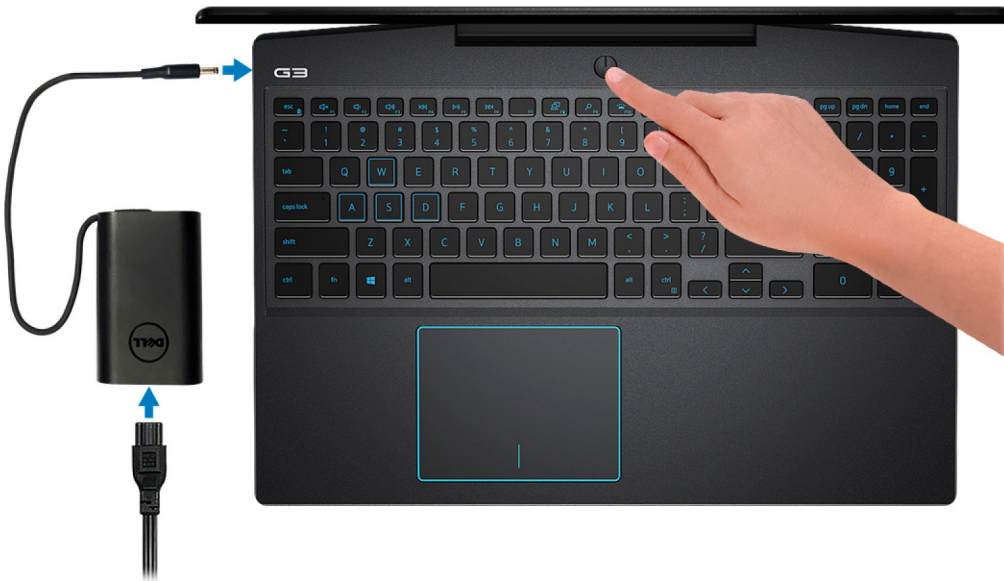
ⓘ **NOTE: To conserve battery power, the computer might enter power saving mode (sleep state). Connect the power adapter and press the power button to turn on the computer.**

2   Finish Windows setup.

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends that you:

- Connect to a network for Windows updates.

  ⓘ **NOTE: If connecting to a secured wireless network, enter the password for the wireless network access when prompted.**

- If connected to the internet, sign-in with or create a Microsoft account. If not connected to the internet, create an offline account.

- On the **Support and Protection** screen, enter your contact details.

3   Locate and use Dell apps from the Windows Start menu—Recommended

Table 1. Locate Dell apps

Resources	Description
	My Dell

Resources	Description
	Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.

SupportAssist

Pro-actively checks the health of your computer's hardware and software. The SupportAssist OS Recovery tool troubleshoots issues with the operating system. For more information, see the SupportAssist documentation at www.dell.com/support.

ⓘ NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.

Dell Update

Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the knowledge base article SLN305843 at www.dell.com/support.

Dell Digital Delivery

Download software applications, which are purchased but not pre-installed on your computer. For more information about using Dell Digital Delivery, see the knowledge base article 153764 at www.dell.com/support.

Views of Dell G3 3590

Right

1 **SD-card slot**
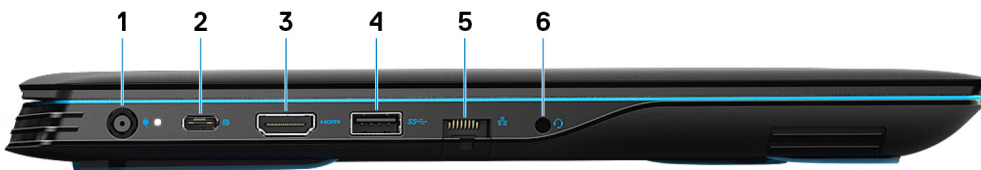
   Reads from and writes to the SD card.

2 **USB 2.0 ports (2)**

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

3 **Security-cable slot (wedge-shaped)**

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

Left

1 **Power-adapter port**

   Connect a power adapter to provide power to your computer.

2 **USB 3.1 Gen 2 (Type-C) port with DisplayPort (for computers shipped with NVIDIA GeForce GTX 1650 and NVIDIA GeForce GTX 1660 Ti)**

   Connect peripherals such as external storage devices, printers, and external displays. Provides data transfer speed of up to 10 Gbps.

   Supports DisplayPort 1.4 and also enables you to connect to an external display using a display adapter.

   ⓘ **NOTE: A USB (Type-C)-to-DisplayPort adapter (sold separately) is required to connect to a DisplayPort device.**

3 **HDMI port**

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

4 **USB 3.1 Gen 1 port**

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

5   **Network port**

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

6   **Headset port**

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

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

ⓘ **NOTE:** The power-status light on the power button is available only on computers without the fingerprint reader. Computers shipped with the fingerprint reader integrated on the power button will not have the power-status light on the power button.

ⓘ **NOTE:** To reset the battery, press and hold the power button for 25 seconds.

Display
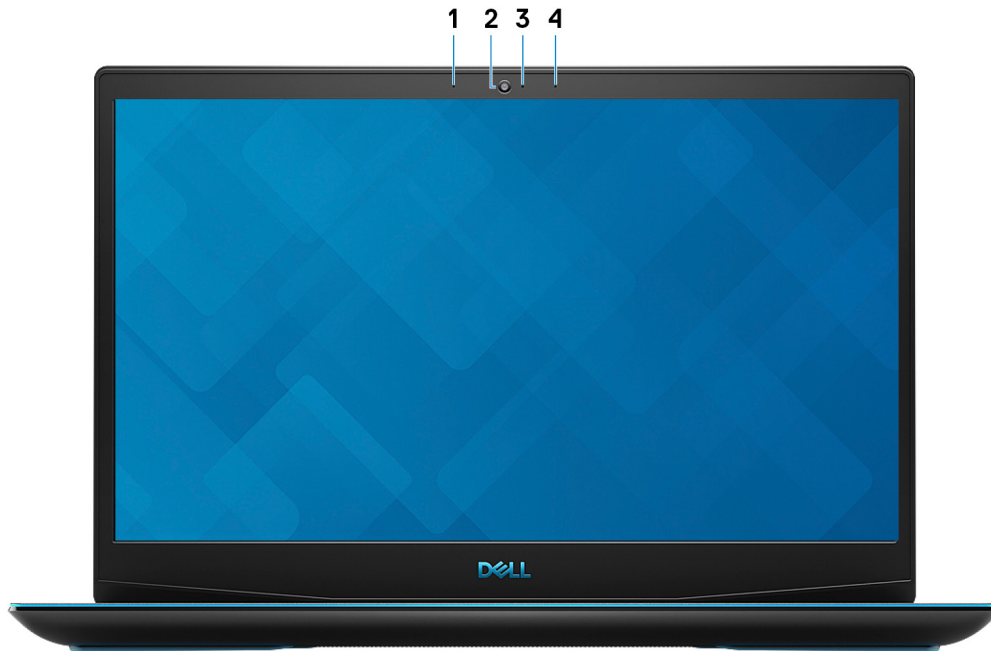
1   **Left microphone**

    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.

Bottom

1   **Left speaker**

Provides audio output.

2   **Right speaker**

Provides audio output.

3   **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.

Specifications of Dell G3 3590

Dimensions and weight

Table 2. Dimensions and weight

Description	Values
Height:	
Front	21.60 mm (0.85 in.)
Rear	23.18 mm (0.91 in.)
Width	365.50 mm (14.39 in.)
Depth	254 mm (10 in.)
Weight	2.34 kg (5.16 lb) - minimum

> (i) **NOTE:** The weight of your computer depends on the configuration ordered and the manufacturing variability.

Processors

Table 3. Processors

Description	Values	
Processors	9th Generation Intel Core i5-9300H	9th Generation Intel Core i7-9750H
Wattage	45 W	45 W
Core count	4	6
Thread count	8	12
Speed	Up to 4.1 GHz	Up to 4.5 GHz
Cache	8 MB	12 MB
Integrated graphics	Intel UHD Graphics 630	Intel UHD Graphics 630

Chipset

Table 4. Chipset

Description	Values	
Processor	99th Generation Intel Core i5-9300H	9th Generation Intel Core i7-9750H
Chipset	HM370	HM370
DRAM bus width	64-bit	64-bit
Flash EPROM	16 MB	16 MB
PCIe bus	Up to Gen 3.0	Up to Gen 3.0

Operating system

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

Memory

Table 5. Memory specifications

Description	Values
Slots	Two SODIMM slots
Type	DDR4
Speed	2666 MHz
Maximum memory	32 GB
Minimum memory	4 GB
Memory size per slot	4 GB, 8 GB, and 16 GB
Configurations supported	4 GB DDR4 at 2666 MHz (1 x 4 GB) 8 GB DDR4 at 2666 MHz (2 x 4 GB) 8 GB DDR4 at 2666 MHz (1 x 8 GB) 12 GB DDR4 at 2666 MHz (1 x 4 GB + 1 x 8 GB) 16 GB DDR4 at 2666 MHz (2 x 8 GB) 16 GB DDR4 at 2666 MHz (1 x 16 GB) 32 GB DDR4 at 2666 MHz (2 x 16 GB)

Ports and connectors

Table 6. External ports and connectors

Description	Values
External:	
Network	One RJ45 port
USB	• One USB 3.1 Gen 2 Type-C port with DisplayPort (for computers shipped with NVIDIA GeForce GTX 1650 and NVIDIA GeForce GTX 1660 Ti) • One USB 3.1 Gen 1 port • Two USB 2.0 ports
Audio	One headset (headphone and microphone combo) port
Video	One HDMI 2.0 port
Media card reader	One SD-card slot
Docking port	Not supported
Power adapter port	7.40 mm x 5.08 mm
Security	One security-cable slot (wedge-shaped)

Table 7. Internal ports and connectors

Description	Values
Internal:	

M.2	• One M.2 slot for Wi-Fi and Bluetooth combo card
	• One M.2 slot for one of the following:
	  – Solid-state drive (2230/2280)
	  – Intel Optane Memory M15 (2280)
	  – Intel Optane Memory H10 with solid-state storage (2280)
	
	ⓘ **NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.**

Communications

Ethernet

Table 8. Ethernet specifications

Description	Values
Model number	Realtek RTL8111 Ethernet controller (integrated on system board)
Transfer rate	10/100/1000 Mbps

Wireless module

Table 9. Wireless module specifications

Description	Values		
Model number	Qualcomm QCA9377 (DW1820)	Intel 9560 (160 MHz)	Intel AX200
Transfer rate	Up to 433 Mbps	Up to 1.73 Gbps	Up to 2.4 Gbps
Frequency bands supported	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz
Wireless standards	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac)	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac)	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 801.11ax)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 4.2	Bluetooth 5	Bluetooth 5

Audio

Table 10. Audio specifications

Description	Values
Controller	Realtek ALC3254 with Nahimic 3D Audio for Gamers
Stereo conversion	Supported
Internal interface	Intel High-Definition Audio (HDA) via HDMI
External interface	• Headset combo connector • Digital-array microphone input on camera module

Description	Values
Speakers	Two
Internal speaker amplifier	Supported (audio codec built-in amplifier)
External volume controls	Keyboard shortcut controls
Speaker output:	
Average	2 W
Peak	2.5 W
Subwoofer output	Not supported
Microphone	Dual-array microphones

Storage

Your computer is shipped with **one** of the following configurations:

- One M.2 card (solid-state drive or Intel Optane Memory H10 with solid-state storage)
- One 2.5-inch hard drive
- One M.2 card (solid-state drive or Intel Optane Memory H10 with solid-state storage) and one 2.5-inch hard drive

  ⓘ| NOTE: **The solid-state drive or the Intel Optane Memory H10 with solid-state storage is the primary drive.**
- One 2.5-inch hard drive and one M.2 card (Intel Optane Memory M15)

  ⓘ| NOTE: **The 2.5-inch hard drive is the primary drive.**

Table 11. Storage specifications

Form factor	Interface type	Capacity
2.5-inch hard drive	SATA AHCI, up to 6 Gbps	• 1 TB (5400 RPM) • 1 TB + 8 GB Hybrid • 2 TB (5400 RPM)
M.2 2230/2280 solid-state drive	• SATA PCIe (up to x4) • PCIe NVMe 3.0 x4, up to 32 Gbps • PCIe 3.0, 8 Gbps (up to 4 lanes)	Up to 1 TB
M.2 2280 Intel Optane Memory H10 with solid-state storage	Solid-state storage: PCIe NVMe 3.0 x2	Solid-state storage: Up to 512 GB

Intel Optane memory (optional)

Intel Optane technology utilizes 3D XPoint memory technology and functions as a non-volatile storage cache/accelerator and/or storage device depending on the Intel Optane memory installed in your computer.

Your computer supports the following Intel Optane memory:

- Intel Optane Memory M15
- Intel Optane Memory H10 with solid-state storage

Intel Optane Memory M15

Intel Optane Memory M15 functions only as a non-volatile storage cache/accelerator, enabling enhanced read/write speeds for hard-drive storage. It neither replaces nor adds to the memory (RAM) installed on your computer.

Table 12. Intel Optane Memory M15 specifications

Description	Values
Interface	PCIe 3.0 x2
Connector	M.2
Form factor	2280
Capacity	32 GB or 64 GB

ⓘ NOTE: Intel Optane Memory M15 is supported on computers that meet the following requirements:

- 7th Generation or higher Intel Core i3/i5/i7 processors
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.9.1.1018 or higher

Intel Optane Memory H10 with solid-state storage

Intel Optane Memory H10 with solid-state storage functions as both a non-volatile storage cache/accelerator (enabling enhanced read/write speeds for hard-drive storage) and a solid-state storage solution. It neither replaces nor adds to the memory (RAM) installed on your computer.

Table 13. Intel Optane Memory H10 with solid-state storage specifications

Description	Values
Interface	PCIe 3.0 x4 • One PCIe 3.0 x2 for Optane memory • One PCIe 3.0 x2 for solid-state storage
Connector	M.2
Form factor	2280
Capacity (Optane memory)	Up to 32 GB
Capacity (solid-state storage)	Up to 512 GB

ⓘ NOTE: Intel Optane Memory H10 with solid-state storage is supported on computers that meet the following requirements:

- 9th Generation or higher Intel Core i3/i5/i7 processors
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.9.1.1018 or higher

Media-card reader

Table 14. Media-card reader specifications

Description	Values
Type	One SD-card slot
Cards supported	• Secure Digital (SD) • Secure Digital High Capacity (SDHC) • Secure Digital Extended Capacity (SDXC) ⓘ **NOTE: The maximum capacity supported by the media card varies depending on the standard of the media card used in your computer.**

Keyboard

Table 15. Keyboard specifications

Description	Values
Type	• Standard keyboard • Backlit keyboard (optional) • Four-zone RGB backlit keyboard (optional)
Layout	QWERTY
Number of keys	• United States and Canada: 101 keys • United Kingdom: 102 keys • Japan: 105 keys
Size	X = 19.05 mm key pitch Y = 18.05 mm key pitch
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: You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.** See Keyboard shortcuts

Camera

Table 16. Camera specifications

Description	Values
Number of cameras	One
Type	HD RGB camera
Location	Front
Sensor type	CMOS sensor technology
Resolution:	
Still image	0.92 megapixel (HD)
Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle	78.6 degrees

Touchpad

Table 17. Touchpad specifications

Description	Values
Resolution:	
Horizontal	1229
Vertical	749
Dimensions:	
Horizontal	105 mm (4.13 in.)
Vertical	80 mm (3.15 in.)

Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com.

Power adapter

Table 18. Power adapter specifications

Description	Values	
Type	130 W (E4 Series)	180 W (E4 Series)
Diameter (connector)	7.40 mm x 5.08 mm	7.40 mm x 5.08 mm
Input voltage	100 VAC–240 VAC	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz	50 Hz–60 Hz
Input current (maximum)	2.50 A	2.34 A
Output current (continuous)	6.70 A	9.34 A
Rated output voltage	19.50 VDC	19.50 VDC
Temperature range:		
Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage	−40°C to 70°C (−40°F to 158°F)	−40°C to 70°C (−40°F to 158°F)

Battery

Table 19. Battery specifications

Description	Values
Type	3-cell "smart" lithium-ion (51 WHr)
Voltage	11.40 VDC
Weight (maximum)	0.23 kg (0.51 lb)
Dimensions:	
Height	7.05 mm (0.28 in.)
Width	67.65 mm (2.66 in.)
Depth	241.25 mm (9.50 in.)
Temperature range:	
Operating	0°C to 70°C (32°F to 158°F)
Storage	−20°C to 65°C (−4°F to 149°F)
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Charging time (approximate)	3 hours (when the computer is off)

Description	Values
Life span (approximate)	300 discharge/charge cycles
Coin-cell battery	CR-2032
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

Display

Table 20. Display specifications

Decsription	Values		
Type	FHD Anti-Glare	FHD Anti-Glare	FHD Anti-Glare
Panel technology	In-Plane Switching (IPS)	In-Plane Switching (IPS)	In-Plane Switching (IPS)
Luminance (typical)	220 nits	300 nits	300 nits
Dimensions (active area):			
Height	193.60 mm (7.62 in.)	193.60 mm (7.62 in.)	193.60 mm (7.62 in.)
Width	344.20 mm (13.55 in.)	344.20 mm (13.55 in.)	344.20 mm (13.55 in.)
Diagonal	394.90 mm (15.60 in.)	394.90 mm (15.60 in.)	394.90 mm (15.60 in.)
Native resolution	1920 x 1080	1920 x 1080	1920 x 1080
Megapixels	2.07	2.07	2.07
Color gamut	NTSC 45%	NTSC 72%	NTSC 72%
Pixels per inch (PPI)	141	141	141
Contrast ratio (min)	700:1 (typical)/600:1 (minimum)	700:1 (typical)/600:1 (minimum)	800:1 (typical)/600:1 (minimum)
Response time (max)	35 ms rise/fall	35 ms rise/fall	9 ms rise/fall
Refresh rate	60 Hz	60 Hz	144 Hz
Horizontal view angle	+/- 85 degrees	+/- 85 degrees	+/- 85 degrees
Vertical view angle	+/- 85 degrees	+/- 85 degrees	+/- 85 degrees
Pixel pitch	0.179 mm	0.179 mm	0.179 mm
Power consumption (maximum)	4.2 W	6.2 W	7.8 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare

Decsription	Values		
Touch options	No	No	No

Fingerprint reader (optional)

Description	Values
Sensor technology	Capacitive
Sensor resolution	500 PPI
Sensor area	5.5 mm (0.22 in.) x 4.5 mm (0.18 in.)
Sensor pixel size	108 x 88 pixels

Video

Table 22. Video specifications

Discrete graphics

Controller	External display support	Memory size	Memory Type
NVIDIA GeForce GTX 1050	One HDMI 2.0 port	3 GB	DDR5
NVIDIA GeForce GTX 1650	• One USB 3.1 Gen 2 (Type-C) port with DisplayPort • One HDMI 2.0 port	4 GB	DDR5
NVIDIA GeForce GTX 1660 Ti	• One USB 3.1 Gen 2 (Type-C) port with DisplayPort • One HDMI 2.0 port	6 GB	DDR6

Table 23. Video specifications

Integrated graphics

Controller	External display support	Memory size	Processor
Intel UHD Graphics 630	• One USB 3.1 Gen 2 (Type-C) port with DisplayPort (optional) • One HDMI 2.0 port	Shared system memory	9th Generation Intel Core i5/i7

Computer environment

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

Table 24. 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†	160 G‡
Altitude (maximum)	−15.2 m to 3,048 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.

Using Game Shift

Game Shift improves gaming performance by increasing the fan speed for optimal thermal cooling of the processor.

Enabling Game Shift

To enable Game Shift, press **F7** (if **fn** default is enabled; otherwise, press **fn** + **F7**). For more information, see Keyboard shortcuts.

Alienware Command Center displays a blue G icon, a notification pops up to indicate that Game Shift is enabled.

Disabling Game Shift

When you are not using the computer for gaming, disable Game Shift by pressing **F7** (if **fn** default is enabled; otherwise, press **fn** + **F7**).

Game Shift is also disabled when:

· You set your computer to a sleep state.
· You restart your computer.
· Game Shift has been active for 24 consecutive hours.
· You start a new game.
· You terminate the game that has been running on Game Shift.
· You change power plans or thermal profiles of the computer.

Installing Game Shift after reinstalling the operating system

Alienware Command Center and Alienware OC Controls are installed at the factory. If you reinstall the operating system, you have to reinstall Alienware Command Center and Alienware OC Controls before you can use Game Shift.

ⓘ **NOTE: Ensure that the Windows operating system and all the compatible drivers are reinstalled in your computer. Windows update is also required.**

After you have reinstalled the operating system, Alienware Command Center, and Alienware OC Controls, install Game Shift:

1 Go to Dell support site www.dell.com/support.
2 Enter Dell G3 3590 and click **Search**.
3 Click **Drivers & downloads**.
4 Download and install **Alienware Command Center**.
5 Download and install **Alienware OC Controls**.
6 Restart your computer. You can now enable Game Shift (see Enabling Game Shift).

Keyboard shortcuts

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

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press **Shift** and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, 2 is typed out; if you press **Shift** + **2**, @ is typed out.

The keys **F1** to **F12** at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing **F1** mutes the audio (refer to the table below).

However, if the function keys **F1** to **F12** are needed for specific software applications, multi-media functionality can be disabled by pressing **fn** + **Esc**. Subsequently, multi-media control can be invoked by pressing **fn** and the respective function key. For example, mute audio by pressing **fn** + **F1**.

ⓘ **NOTE: You can also define the primary behavior of the function keys (F1 to F12) by changing Function Key Behavior in the BIOS setup program.**

Table 25. List of keyboard shortcuts

Function key	Redefined key (for multimedia control)	Behavior
⊄× F1	fn + ⊄× F1	Mute audio
⊄› F2	fn + ⊄› F2	Decrease volume
⊄)) F3	fn + ⊄)) F3	Increase volume
⊲⊲ F4	fn + ⊲⊲ F4	Play previous track/chapter
⊳ǁ F5	fn + ⊳ǁ F5	Play/Pause
⊳⊳ F6	fn + ⊳⊳ F6	Play next track/chapter
G F7	fn + G F7	Enable/disable Game Shift
⊡ F8	fn + ⊡ F8	Switch to external display

Function key	Redefined key (for multimedia control)	Behavior
🔍 F9	fn + 🔍 F9	Search
🔆 F10	fn + 🔆 F10	Toggle keyboard backlight (optional) ⓘ **NOTE:** Non-backlight keyboards have the F10 function key without the backlight icon. In this case, the function key does not toggle the keyboard backlight function.
☀ F11	fn + ☀ F11	Decrease brightness
☀ F12	fn + ☀ F12	Increase brightness

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Table 26. List of keyboard shortcuts

Function key	Behavior
fn + prtsc	Turn off/on wireless
fn + B	Pause/Break
fn + insert	Sleep
fn + S	Toggle scroll lock
fn + H	Toggle between power and battery-status light/hard-drive activity light
fn + R	System request
fn + ctrl	Open application menu
fn + esc	Toggle fn-key lock
fn + pg up	Page up

Function key	Behavior
fn + **pg dn**	Page down
fn + **home**	Home
fn + **end**	End

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 27. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell	
Tips	
Contact Support	In Windows search, type `Contact 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.	1 Go to 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: • Product specifications • Operating system • Setting up and using your product • Data backup • Troubleshooting and diagnostics • Factory and system restore • BIOS information	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**. • 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/region and product, and some services may not be available in your country/region.**

ⓘ **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.**