


# Inspiron 15 5000 2-in-1

## Setup and Specifications

## Notes, cautions, and warnings

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

 **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

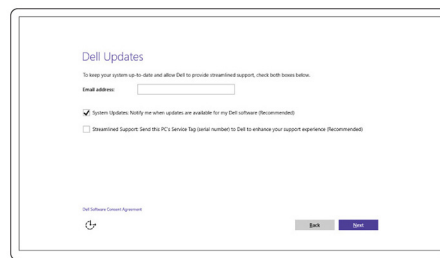
1. Connect the power adapter and press the power button.



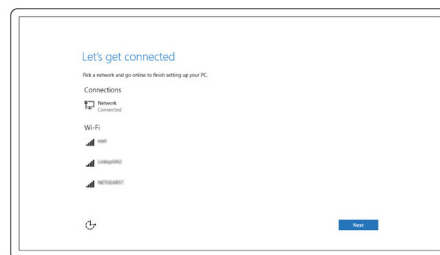
2. Finish operating system setup.

## For Windows

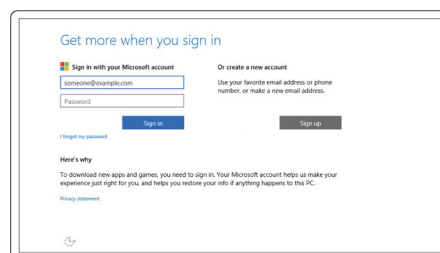
- a. Enable security and Dell updates.



- b. Connect to a wireless network.





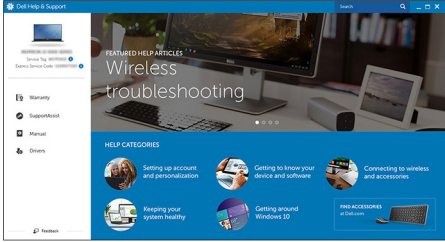

- c. Sign-in to your Microsoft account or create a new account.



## For Ubuntu:


Follow the instructions on the screen to finish setup.

3. Explore Dell resources on your desktop.

	Register your computer
	Dell Help & Support 
	SupportAssist — Check and update your computer

# Create a USB recovery drive for Windows

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:** This process may take up to an hour to complete.

 **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**.
8. Click **Finish**.  
For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).


## Topics:

- [Reinstall Windows using a USB recovery drive](#)

## 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.

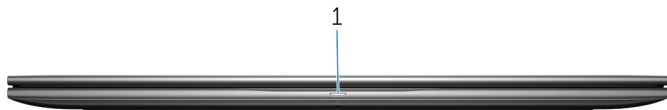
 **NOTE:** This process may take up to an hour to complete and your computer will restart during the recovery process.

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.

**Topics:**

- [Front](#)
- [Left](#)
- [Right](#)
- [Base](#)
- [Display](#)
- [Bottom](#)
- [Modes](#)

## Front

**1. Power and battery-status light/hard-drive activity light**

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

**i** **NOTE:** Press Fn+H to toggle this light between 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.

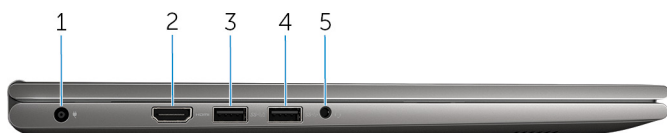
**Solid white** — Power adapter is connected and the battery has more than 5% charge.

**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.

## Left

**1. Power-adapter port**

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

**2. HDMI port**

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

**3. USB 3.0 port with PowerShare**

Connect peripherals such as 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.

#### 4. USB 3.0 port

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

#### 5. Headset port

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

## Right



#### 1. Power button

Press to turn on the computer if it is turned off or in sleep 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).

#### 2. Volume-control buttons

Press to increase or decrease the volume.

#### 3. Media-card reader

Reads from and writes to media cards.

#### 4. USB 2.0 port

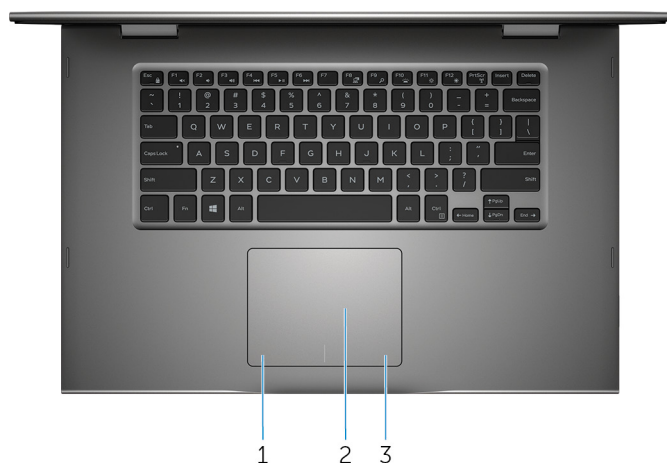
Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 480 Mbps.

#### 5. Security-cable slot

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



## Base



### 1. Left-click area

Press to left-click.

### 2. Touch pad

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

### 3. Right-click area

Press to right-click.

## Display



### 1. Left microphone

Provides digital sound input for audio recording and voice calls.

### 2. Infrared emitter (optional)

Emits infrared light, which enables the infrared camera to sense depth and track motion.

### 3. Infrared camera (optional)

Enables you to video chat, capture photos, and record videos. Depth-sensing feature of the camera enhances security when paired with Windows Hello.

#### 4. Camera

Enables you to video chat, capture photos, and record videos.

#### 5. Camera-status light

Turns on when the camera is in use.

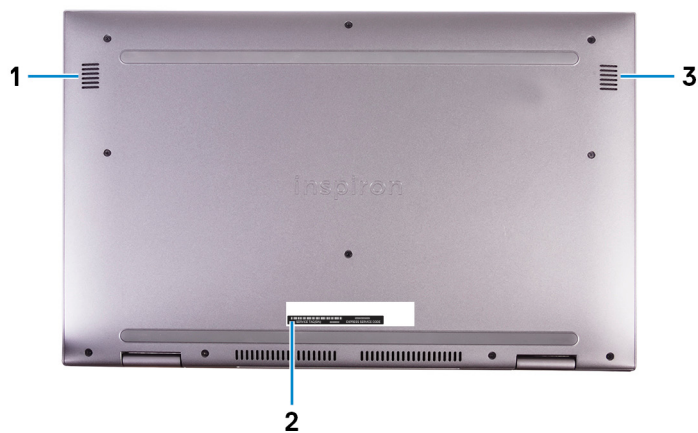
#### 6. Right microphone

Provides digital sound input for audio recording, voice calls, and so on.

#### 7. Service tag location

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

## 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.

# Modes

## Notebook



## Tablet



## Stand



## Tent



# Specifications

## Topics:


- Computer model
- Dimensions and weight
- System information
- Operating system
- Memory
- Ports and connectors
- Video
- Audio
- Storage
- Media-card reader
- Display
- Keyboard
- Camera
- Touch pad
- Battery
- Power adapter
- Communications
- Computer environment

## Computer model

**Table 1. Computer model**

Computer model	Inspiron 15-5578
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## Dimensions and weight

Height	20.20 mm (0.80 in)
Width	380.90 mm (15 in)
Depth	253.10 mm (9.96 in)
Weight (maximum)	2.09 kg (4.61 lb)
	 <b>NOTE:</b> The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.

## System information

Computer model	Inspiron 15-5578
Processor	<ul style="list-style-type: none"> <li>• 7th generation Intel Core i3/i5/i7</li> <li>• Intel Celeron Dual Core</li> <li>• Intel Pentium Dual Core</li> </ul>

Chipset	Integrated in processor
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## Operating system

**Table 2. Operating system**

Operating systems supported	<ul style="list-style-type: none"> <li>• Ubuntu</li> <li>• Windows 10 Pro Standard</li> <li>• Windows 10 Home Standard</li> <li>• Windows 10 Home Plus</li> </ul>
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## Memory

Slots	Two SODIMM slots
Type	Dual-channel DDR4
Speed	2133 MHz
Configurations supported	4 GB, 8 GB, 12 GB, and 16 GB

## Ports and connectors

<b>External:</b>	
USB	<ul style="list-style-type: none"> <li>• One USB 3.0 port with PowerShare</li> <li>• One USB 3.0 port</li> <li>• One USB 2.0 port</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>

<b>Internal:</b>	
M.2 Slot	One M.2 slot for Wi-Fi and Bluetooth combo card

## Video

Controller	<ul style="list-style-type: none"> <li>• Intel HD Graphics 610 - Intel Celeron and Pentium</li> <li>• Intel HD Graphics 620 - Intel Core i3/i5/i7</li> <li>• Intel Iris Graphics 640 - Intel Core i7</li> </ul>
Memory	Shared system memory

## Audio

Controller	Realtek ALC3253 with Waves MaxxAudio Pro
Speakers	Two
Output	<ul style="list-style-type: none"> <li>• Average – 2 W</li> <li>• Peak – 2.5 W</li> </ul>

Microphone	Digital-array microphones in camera assembly
Volume controls	Media-control shortcut keys and volume-control buttons

## Storage

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive
Solid-state drive	One 2.5-inch drive

## Media-card reader

Type	One SD-card slot
Cards supported	SD card

## Display

Type	15.6-inch FHD touch screen
Resolution (maximum)	1920 x 1080
Pixel pitch	0.17925 mm
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 360 degrees
Viewing angle	160 degrees
Controls	Brightness can be controlled using shortcut keys
Height	193.59 mm (7.62 in)
Width	344.16 mm (13.55 in)
Diagonal	396.24 mm (15.60 in)

## Keyboard

Type	<ul style="list-style-type: none"> <li>• Backlit keyboard</li> <li>• Standard keyboard</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> <p><b>i</b> <b>NOTE:</b> You can define the primary behavior of the shortcut keys by pressing Fn+Esc or by changing <b>Function Key Behavior</b> in System Setup.</p> <p><a href="#">Keyboard shortcuts</a></p>

## Camera

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	74 degrees

## Touch pad

Resolution	<ul style="list-style-type: none"><li>Horizontal: 1260</li><li>Vertical: 960</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>

## Battery

Type	3-cell 42 WHr smart lithium ion
Dimension: Width	97.15 mm (3.82 in)
Dimension: Depth	184.15 mm (7.25 in)
Dimension: Height	5.90 mm (0.23 in)
Weight (maximum)	0.20 kg (0.44 lb)
Voltage	11.40 VDC
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: Operating	0°C to 35°C (32°F to 95°F)
Temperature range: Storage	–40°C to 65°C (–40°F to 149°F)
Coin-cell battery	CR-2032

## Power adapter

Type	45 W/65 W
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)
Temperature range: Storage	–40°C to 70°C (–40°F to 158°F)



# Communications

Wireless	<ul style="list-style-type: none"><li>• Wi-Fi 802.11 ac</li><li>• Bluetooth 4.0</li><li>• Bluetooth 4.1 (optional)</li><li>• Miracast</li><li>• Intel WiDi</li></ul>
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## Wireless module

**Table 3. Wireless module specifications**

Type	Intel 3165	QCA61x4A (DW1820)
Transfer rate	Up to 433 Mbps	Up to 867 Mbps
Frequency bands supported	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz
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>

## Computer environment

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


































	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)	–15.20 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

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
 + 	Toggle scroll lock
 + 	Toggle Fn-key lock
 + 	Pause/Break
 + 	Sleep
 + 	System request
 + 	Open application menu
 + 	Toggle between power and battery-status light/hard-drive activity light
 + 	Home
 + 	End
 + 	Page up



Keys	Description
 + 	Page down

# 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 4. Self-help resources**

Self-help resources	Resource location
Information about Dell products and services	<a href="http://www.dell.com">www.dell.com</a>
My Dell	
Tips	
Contact Support	In Windows search, type <b>Contact Support</b> , and press Enter.
Online help for operating system	<a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a> <a href="http://www.dell.com/support/linux">www.dell.com/support/linux</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="https://www.dell.com/support/home/?app=knowledgebase">https://www.dell.com/support/home/?app=knowledgebase</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> <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>	See <i>Me and My Dell</i> at <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a> . To locate the <i>Me and My Dell</i> relevant to your product, identify your product through one of the following: <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.