

# Boot on a USB key

## What is the purpose of the BIOS?

Among other things, it allows you to check the correct operation of the motherboard and simple peripherals (keyboard, floppy disk drive, hard disk, CD-ROM drive, etc.). The BIOS also designates the program that loads the disk on which your computer's operating system is located.

The PC starts up in sequences which it executes in a precise order. Thus, every computer has a BIOS, which, when the computer is switched on, carries out hardware checks. The BIOS then attempts to boot an operating system on your various peripherals (USB key, DVD-Rom, hard disk, etc). Usually, this is the hard disk, which allows you to start Windows. If this is not possible, you will get errors such as "Operating system not found".

Sometimes it is necessary to boot a PC on CD to get it back on track. Similarly, live CDs of Linux distributions, such as Ubuntu or Linux Mint, become viable options once placed on a USB stick and modified to retain data. Before Windows (all versions) or Linux can be installed, it is necessary to configure the computer to allow them to be launched before the operating system. This involves defining the desired removable media (CD or USB key) at boot time, before the main hard disk.

## I - Way n°1: Accessing the BOOT MENU (Not recommended)

⚠ This way is given just for information: use ways n°2 or n°3 instead!

1) Find in this table the shortcut corresponding to the brand of the computer to access the BOOT MENU.

Manufacturer	Models	Boot Menu
Acer	Aspire, Predator, Spin, Swift, Extensa, Ferrari, Power, Altos, TravelMate, Veriton	F12
Asus	ZenBook, VivoBook, StudioBook, ASUS Laptop, Chromebook, Commercial, Gaming, FX / ZX, ASUS TUF Gaming	Échap
Dell	Alienware, Inspiron, Latitude, Precision, XPS, Vostro	F12
HP	Pavilion, TouchSmart, Pro, Vectra, Stream, Vectra, OMEN, ENVY, OmniBook, EliteBook, ProBook, Zbook, Tablet	Échap
Lenovo	ThinkPad, IdeaPad, Yoga, 3000 Series, Legion, ThinkCentre, ThinkStation, H535, N Series, etc.	F12
Sony	VAIO SVD, SVE, SVF, SVP, SVS, SVT, SVZ, VGN, VPC Series	F11
Samsung	Galaxy Book, Notebook, ATIV Book, ATIV One	F10
Toshiba	Portégé, Satellite, Tecra, Equium	Échap
Compaq	Presario, Prolinea, Deskpro, Systempro, Portable	Échap
Fujitsu	LifeBook, Esprimo, Amilo, Tablet, DeskPower, Celsius	F12
Packard Bell	8900 Series, 9000 Series, Pulsar, Platinum, EasyNote, imedia, iextreme	F12

2) Switch the computer off and on again by successively pressing the shortcut you found in step 1.

3) Select your USB key with the direction arrows.

4) Press Enter and you have successfully booted on your bootable USB key.

## II - Way n°2: Accessing the BIOS via a shortcut when booting up the PC (Recommended)

⚠ If you can't find your shortcut or if it doesn't work, use way no. 3 instead! This allows you to access the BIOS directly and securely. It also allows you to access it on any PC of any brand without any search! 1) Trouvez dans ce tableau le raccourci correspondant à la marque de l'ordinateur pour accéder au BIOS.

Manufacturer	Models	BIOS Setup
Acer	Aspire, Predator, Spin, Swift, Extensa, Ferrari, Power, Altos, TravelMate, Veriton	F2
Asus	ZenBook, VivoBook, StudioBook, ASUS Laptop, Chromebook, Commercial, Gaming, FX / ZX, ASUS TUF Gaming	F2
Dell	Alienware, Inspiron, Latitude, Precision, XPS, Vostro	F2
HP	Pavilion, TouchSmart, Pro, Vectra, Stream, Vectra, OMEN, ENVY, OmniBook, EliteBook, ProBook, Zbook, Tablet	F10
Lenovo	ThinkPad, IdeaPad, Yoga, 3000 Series, Legion, ThinkCentre, ThinkStation, H535, N Series, etc.	F1
Sony	VAIO SVD, SVE, SVF, SVP, SVS, SVT, SVZ, VGN, VPC Series	F2
Samsung	Galaxy Book, Notebook, ATIV Book, ATIV One	F2
Toshiba	Portégé, Satellite, Tecra, Equium	F2
Compaq	Presario, Prolinea, Deskpro, Systempro, Portable	F10
Fujitsu	LifeBook, Esprimo, Amilo, Tablet, DeskPower, Celsius	F2
Packard Bell	8900 Series, 9000 Series, Pulsar, Platinum, EasyNote, imedia, iextreme	F2

- 2) Switch the computer off and on again by successively pressing the shortcut you found in step 1.
- 3) Go to the Security tab or the Boot tab to set Secure boot to disabled.
- 4) Go to the Boot tab and select your USB key with the direction arrows.
- 4) Press F6 the number of times it takes to move your USB key to the top of the list.
- 5) Press F10 and click Yes for the Save and exit option.

Note: the shortcuts used in the BIOS are not necessarily the same for you! They should be marked right, left or bottom.

### III - Way n°3: Accessing the BIOS via the advanced options (Recommended)

- 1) Go to Settings - Update and Security - Recovery
- 2) Click Restart Now.
- 3) Click Troubleshooting, then Advanced Options, then Change UEFI firmware settings, then restart.
- 4) Now that you are on the BIOS, perform steps 3 to 5 as described in step 2.

**And there you have it, with these three ways, you are sure to be able to boot on a USB stick on any PC of any brand! any brand! Thank you for following this tutorial!**