

# 4 differences between wired mouse and wireless mouse

Wired or wireless mice can both be the perfect choice, depending on the specific purpose they will serve. Each has its own strengths and advantages, limiting or extending flexibility, speed, and freedom of movement on their own.

It can be difficult to choose between a responsive wired mouse and an ultraportable wireless mouse, especially with so many great deals with both options. So, let's compare with TipsMake.com to compare wired and wireless mice to find out which is the perfect choice for you.

## How wired mouse works



The classic basic wired mouse is the easiest way to control the user interface on a laptop or computer. It always uses a cable to connect to the device, hence the name wired mouse.

One obvious advantage of a wired mouse is that it uses no batteries, but instead draws power from the device itself. In general, no special drive is needed for a wired mouse to work. You just need to plug in the mouse and start using it in seconds.

## How wireless mouse works



As the name suggests, the wireless mouse does not require a wired connection to work. It looks and works a lot like a wired mouse, but it doesn't use any cables to connect to the device. Instead, the mouse uses wireless technology - usually Bluetooth or a proprietary protocol similar to WiFi.

Therefore, it is easier to carry on the go and allows to control the interface without having to get close to the device or restrict movement by the length of the cable.

Mouse with a custom wireless protocol always needs a proprietary connector to work. In contrast, models that use Bluetooth can usually connect to any Bluetooth receiver, including the laptop's built-in receiver.

Unlike wired mice that draw power from the host device, wireless mice are powered by a built-in rechargeable lithium-ion battery or AA or AAA batteries. Alternatively, they may include a charging cable that temporarily turns the mouse into a wired one.

## 4 main differences between wired mouse and wireless mouse



There are a few key differences between wired and wireless mice, which can become the #1 choice in specific situations. For example, in games, response time is an important aspect.

Similarly, there are specific cases where the advantage of being able to move freely or power consumption should be prioritized. Here are the key differences between wired and wireless mice, and how they will affect the

overall experience.

## **1. Speed**

Due to the nature of transmitting information over a radio protocol, wireless mice are generally slower than wired mice, because mice transmit information significantly faster over wires. You usually won't notice this during normal use, but it can be seen clearly in gaming, where even the slightest lag matters.

Most modern wireless gaming mice use advanced technology that provides a realistic experience with no lag.

## **2. Freedom of movement**

The long and tangled USB cable on a wired mouse is obviously not convenient for travel. In this respect, the wireless mouse is more portable and travel-friendly, and offers more freedom of movement and is not limited by the length of the cable.

## **3. Power supply**

Power consumption is a very important factor, especially in a moving situation. When using a wireless mouse, please note that the mouse uses battery power and needs to be charged or inserted in order to work. With a wireless mouse that uses power from the host device, you don't have to worry about this.

## **4. Compatibility**

Last but not least, there is a big difference in compatibility between wired and wireless mice. Wired mice always require a USB port to work. On the other hand, Bluetooth mice are compatible with any device with a built-in Bluetooth receiver.

# **Compare the pros and cons of wired and wireless mice**

With all of the foregoing, here are the main pros and cons of using a wired mouse over a wireless mouse:

### **Wired mouse**

The main benefit of wired mice is that they respond more quickly and accurately, along with the fact that they don't need to be charged. Wired mice generally also tend to be cheaper. On the other hand, you always have to reserve a USB port for your wired mouse, and movement is limited by the length of the cable and the cord can get tangled if not handled carefully.

### **Wireless mouse**

The main weakness of the wireless mouse is functionality and speed, while its strength is its compact and comfortable design. The main disadvantages are slower response times and possible lag in low-cost models and the need to recharge or change batteries frequently.

Wireless mice are generally more expensive, and Bluetooth models are only compatible with those with Bluetooth receivers. On the other hand, you can move more freely without any cables, which is ideal for on-the-

go.

Of course, the priority of these aspects can vary according to each person's situation and needs.

While battery life or wireless mouse charging may not be as convenient as simply plugging it into the host device, it becomes less important when you're traveling and when the advantages of portability, Comfort, ergonomic form and freedom of movement are essential. Again, knowing your priorities well can help you make the right choice.

## Is wireless mouse good for gaming?

Wireless mice were once shunned by gamers due to the latency associated with low-end models. Most gamers prefer the accuracy and speed guaranteed by a wired mouse.

However, good wireless mice, often expensive, can have as low latency as wired mice, to the point of being imperceptible to human senses.

## So is a wired or wireless mouse better?

As mentioned above, the final decision will always depend on individual preferences. For example, if you travel or use your laptop every day, it is more convenient to use a wireless mouse, without tangled or cluttered cables, and more freedom to move on a wider surface.

If you are a gamer, you may be more concerned with the accuracy of a wired mouse. Moreover, if you are looking for a device as cheap as possible, a wired mouse will be a suitable solution both in the short and long term. In the first place, a wired mouse will cost less, and you won't have to worry about any additional battery costs.

While wired mice ensure performance and efficiency, wireless mice are also a great choice for ergonomic design and convenience. Both use highly developed technologies and you should not skip either option before coming to a final decision. Instead, test each type of mouse and discover their strengths and weaknesses before making a choice.

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