ACCESSIBILITY GUIDE FOR PEOPLE WITH MOTOR WEAKNESS IN ENVIRONMENT MAC OS X SNOW LEOPARD

If you have trouble using the keyboard, mouse or trackpad on your laptop, you can quickly set the options you need through the universal access panel. Thanks to this automation can perform common tasks, customizing input devices and navigation by keyboard and mouse easier.

Here are points to be discussed in this guide:

1. Previous recommendations about the use of keyboard
2. Setting the options for users who have difficulty using the keyboard or mouse
   2.1 Keyboard Settings
   2.2 Mouse Settings
3. Additional configurations of accessibility for people with mobility impairments

1. Previous recommendations about the use of keyboard

   If you do not have a Mac keyboard, you can use a Windows keyboard for this operating system. Equivalent keys are:
### Windows key | Mac key
---|---
1 | Alt | Option `\`
2 | Start(.swift) | Command \`
3 | Shift | Shift ⌘
4 | Control | Control \`
5 | Bloq Num | Bloq Num Shift + Erase
6 | Bloq Mayús | Control + F14
7 | Esc ( escape ) | Esc ⌘
8 | Impr Screen | ⌘ + Shift/MAY + 3
| | | ⌘ + Shift/MAY + 4

### 2. Setting the options for user who have difficulty using the keyboard or mouse

If you have trouble using the keyboard or mouse, you can quickly set the options you need through the Accessibility Panel. For this, follow these steps:

**On the desktop:**
- Click on the **Apple menu**.
- Select **System Preferences**. (See Picture 1).
• Click on **Universal Access**. (See Picture 2).

![System Preferences](image)

*Picture 2*

To configure the keyboard and mouse, you should check appliances 2.1 and 2.2

**2.1 Keyboard Settings**

After accessing the Universal Access, follow these steps for basic configuration of a keyboard accessible:

• Click on Keyboard tab indicated in Figure 3. In addition, you make sure that you selected “**on**” in the "Sticky Keys." This is to help you if you have trouble pressing a key combination (e.g: Control + Option). (See Picture 3).
If you have troubles touch, such as Parkinson's or similar problems, it is recommended to activate the Self of the "Slow Keys" (See Indicated in the Picture 3). To customize this option, click on Set Key Repeat.

In addition is recommended to leave activated the default opciones. (See Picture 3).

If you have customized the option Slow Keys, It will appear a scene where you can set the Key Repeat Rate pressing a button and Delay until Repeat. (See Picture 4).
- Picture 4-

- Although in the customization of Slow Keys, it is recommended to check "**All controls**" on the tab of **Keyboard Shortcuts**. (See Picture 5).

- You can also enter the previous option by clicking on Mouse included in Universal Access pane and then click on "**Open keyboard preferences**..." (See Picture 6).

- If at any time you change the preferences settings of the keyboard, press **Control + F7**.
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- Picture 5 -

- Picture 6 -
2.2 Mouse Settings

After accessing the Universal Access, follow these steps for basic configuration of a keyboard accessible:

- Click on Mouse
- Select On in the option Mouse Keys and activate the box “Press the option key five times”. (See Picture 7).

- You can have the control mouse movement adjusting the bars shown in this window. (See Picture 7).
3. Additional configurations of accessibility for people with mobility impairments

If you have trouble using the keyboard or the common mouse, you can change with the help of an assistant. Below are several alternatives to these problems:

On the Universal Access Panel:

- To set up a Bluetooth keyboard:
  - Click on Mouse and then click on “Open Keyboard Preferences…” (See Picture 6).
  - In the bottom right, click on the button Set up Bluetooth Keyboard.
  - Appear a window like following:

  ![Keyboard settings window](image)

  - Picture 8-

  - When it detects the keyboard, click on Continue and follow pressing intro toward until you complete the wizard.
• To change the keyboard:
  - Click on Keyboard and then click on the button “Set Key Repeat…”
  - In the window opened (See Picture 4), click on the button “Change Keyboard Type…”
  - Appear a window like following:

  ![Keyboard Setup Assistant](image)

  - Picture 9 -

  - Follow pressing intro toward until you complete the wizard.

• To change the Mouse:
  - This option requires a special device made by Apple.
  - For more information visit the following link: