

User's Guide - USBSafe Program

Version: preliminary

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Smart Design Solution for People

Overview:

Myson Century provides the USBSafe program to make the CS881X USB mass storage devices be removed safely. Before removing a USB mass storage device, this program ensures whether it's safe to stop it now. So, a user can unplug it without risk of system crash or losing valuable data.

Note: The USBSafe program only functions under Windows 98.

Installation:

When users install the CS881X driver package, this program will be installed, either.

Using USBSafe:

Pop-up notification icon:

It automatically runs when there is a CS881X USB mass storage device on the system. When it runs, it pops up the notification icon on the status bar (or named notification area). When there is no any CS881X USB mass storage device on the system, the notification icon disappears.

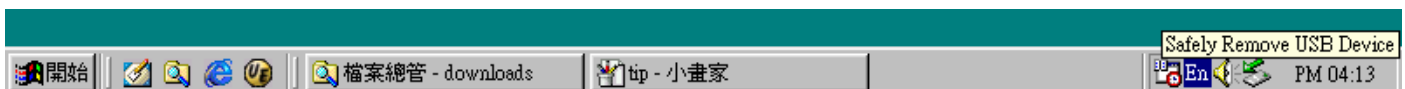
Figure 1



Hover on the notification icon:

The short standard ToolTip, "Safely Remove USB Device", will show.

Figure 2



Active the context menu:

Left click the notification icon. It brings the context menu, on where available and attached CS881X USB mass storage devices display. A menu item represents a CS881X mass storage device. It shows the name of the physical hard drive and relative logical drive letters.

Figure 3



Choose the CS881X USB mass storage device to be removed:

Select its menu item (Figure 3). The USBSafe program tries to stop that device. If the device is stopped successfully, the USBSafe program will prompt user a message box, entitled “Safe To Remove Hardware” (Figure 4), then the user can unplug the device safely. Conversely, if the device cannot be stopped right now, the USBSafe program will notify user with a message box, entitled “Problem Stopping USB Mass Storage Device” (Figure 5). In such case, the user should not unplug the device.

Figure 4



Figure 5



FAQs:

1. Try to stop a CS881X USB mass storage through USBSafe program,

i. while it is busy accessing files: The user must wait a period time for system response. The system definitely refuses this request. Then the USBSafe program informs the user this device cannot be stopped right now. The user should wait for completion of file access or cancel the current file operation. Then use USBSafe program to stop this device again (See below).

Note: When USBSafe program is trying to stop the device again, it is possible that system still rejects this request. Hence, the user could get same message, says “cannot stop the device right not....” This is because some system components are not ready for the device removal. If it happens, the user can wait a reasonable period of time before using USBSafe program to stop the device again.

ii. while other mass storages is busy transferring data: The user must wait a period time for system response. When system is ready, the USBSafe program notifies the user it’s safe to remove the device.

2. After stopping a CS881X USB mass storage through USBSafe program, the device is not actually detached from the system.

When a new USB is been plugging in or device manager, the stopped USB mass storage will be enumerated again.

Recommendations:

1. Plug or unplug a USB mass storage when it is necessary.
2. Before unplugging a USB mass storage, use the USBSafe program to stop it first.
3. Before stopping a USB mass storage, first make sure there is no access to that device.
4. When a USB mass storage cannot be stopped right now, wait a reasonable time before using USBSafe program to stop it again.
5. When plugging or unplugging a USB mass storage, be patient to wait for system response.