

sysfs-bus-usb..txt

What: /sys/bus/usb/devices/.../power/level  
Date: March 2007  
KernelVersion: 2.6.21  
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Description:

Each USB device directory will contain a file named power/level. This file holds a power-level setting for the device, either "on" or "auto".

"on" means that the device is not allowed to autosuspend, although normal suspends for system sleep will still be honored. "auto" means the device will autosuspend and autoresume in the usual manner, according to the capabilities of its driver.

During normal use, devices should be left in the "auto" level. The "on" level is meant for administrative uses. If you want to suspend a device immediately but leave it free to wake up in response to I/O requests, you should write "0" to power/autosuspend.

Device not capable of proper suspend and resume should be left in the "on" level. Although the USB spec requires devices to support suspend/resume, many of them do not. In fact so many don't that by default, the USB core initializes all non-hub devices in the "on" level. Some drivers may change this setting when they are bound.

This file is deprecated and will be removed after 2010. Use the power/control file instead; it does exactly the same thing.