

Document Title : Procedure to load aceXtreme SDK BU-69092S1 USB Driver at boot time on Linux

Document No : AN0006

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Last edited : Oct 08, 2024

Introduction : The aceXtreme SDK device driver for DDC's USB devices is named acexusb.ko. Upon a system restart, this driver gets unloaded and thus needs reloading upon every bootup. If not loaded, USB 1553 devices from DDC are not detected by the DDC Card Manager. This document describes the steps for setting up Linux to load acexusb.ko file automatically on boot up.

Procedure :

- 1) Open a "terminal" window on Linux and enter root mode by running "su" command in the terminal.
- 2) Locate the USB driver file acexusb.ko file in the folder "root/acextreme/drivers/legacy/acexusb/prj/".
- 3) Copy the acexusb.ko file into kernel space using the following command on terminal.

```
sudo cp acexusb.ko /lib/modules/5.4.0-56-generic/kernel/drivers/
```

(Note: 5.4.0-56 is an example kernel version. Change this to the kernel version of your Linux computer)

- 4) Add the driver module to /etc/modules file using the following command:
echo 'acexusb' | sudo tee -a /etc/modules
- 5) Update the list of module dependencies using the command below:
sudo depmod
- 6) Restart the computer.
- 7) Open a terminal and enter root mode by running "su" command in the terminal.
- 8) Navigate to "DDC Card Manager" folder (cd /acextreme/ddccm/bin).
- 9) Run ddccm and assign logical device numbers.