

## Using a HL-340 USB Serial Adapter against 2.6.23 linux kernel

This device is:

idVendor 0x4348  
idProduct 0x5523

There is a patch in -mm kernel tree, so I guess it goes to 2.6.24 soon. But if you don't want to wait, here is a solution using the new ch341 usb serial driver:

```
wget http://www.csie.ntu.edu.tw/~b94101/ch341\_drv.tar.bz2  
(http://www.csie.ntu.edu.tw/~b94101/ch341\_drv.tar.bz2)
```

Then extract the files and comment out lines 301 and 303 of ch341.c file and also line 35 of the tty\_ioctl.c file.

Finally run ins.sh to compile and load the modules and use minicom, cu, cutecom or what you prefer to connect to the /dev/ttyUSB0 device.

I've seen some people trying to use pl2303 driver with a little patch to use this device. It doesn't work.

This entry was written by [tiagovaz](#), posted on January 4, 2008 at 22:15 (2008-01-04T22:15:16+0000), filed under [english](#) and tagged [debian](#), [driver](#), [gnu](#), [hacking](#), [kernel](#), [linux](#), [serial](#), [usb](#). Bookmark the [permalink](#). Follow any comments here with the [RSS feed for this post](#). Both comments and trackbacks are currently closed.

## 14 Comments

1. [FJ\\_Sanchez](#)  
Posted March 3, 2008 at 13:33 | [Permalink](#)

That works! There are too much people spreading the pl2303 patch... and exactly, this didn't work. This one works perfect!

Thank you.

2. axiohm

Posted April 2, 2008 at 13:00 | [Permalink](#)

i tried to install the package in Ubuntu 7.04 with 2.6.20 kernel version and it failed doing so.

How can i install the driver to my Ubuntu box?

Thanks!

3. slyfox

Posted May 22, 2008 at 03:45 | [Permalink](#)

Indeed, linux supports ch341 now. Remember to put pl2303 in /etc/modprobe.d/blacklist to prevent the kernel from using it as the converter.

The correct converter should be ch341-uart.

4. Kanwar

Posted October 14, 2008 at 03:22 | [Permalink](#)

I have this version of linux

Linux version 2.6.24-19-generic (buildd@terranova) (gcc version 4.2.3 (Ubuntu 4.2.3-2ubuntu7)) #1 SMP Wed Aug 20 22:56:21 UTC 2008

I tried the first post steps for my HL-340 USB to Serial Converter. All the data I receive is garbage. I did not install any patch for 2.6.24. Where to find this patch?

I have set the 115200 baud rate from the GTK terminal. Here is my terminal dump.

```
root@kanwar-laptop:/home/kanwar/Desktop/ch341_drv# /bin/sh ins.sh
make -C /lib/modules/2.6.24-19-generic/build SUBDIRS=/home/kanwar/Desktop/ch341_drv
modules
make[1]: Entering directory `/usr/src/linux-headers-2.6.24-19-generic'
Building modules, stage 2.
MODPOST 2 modules
make[1]: Leaving directory `/usr/src/linux-headers-2.6.24-19-generic'
insmod: error inserting 'tty_ioctl.ko': -1 Invalid module format
insmod: error inserting 'ch341.ko': -1 File exists
```

I also tried to add a line

blacklist pl2303 in blacklist file. Still the same.

Any help will be appreciated. I am new to linux and i have just started to play with it.

Thanks.

5. Stream

Rebooting the system will fix this issue.

okkkkkkkkkkkkkkkkkkkkkkkkkkk

Is there any chance of putting HL-340 with this vendor id and product id, working in MAC OS X?

Thanks for the post, but i've tried to follow your step, and i get this message when i run the ins.sh file:

```
make[2]: *** [/home/X/ch341_drv/ch341.o] Error 1
make[1]: *** [_module_/home/X/ch341_drv] Error 2
make[1]: se sale del directorio `/usr/src/linux-headers-2.6.31-16-generic'
make: *** [default] Error 2
insmod: can't read 'tty_ioctl.ko': No such file or directory
insmod: can't read 'ch341.ko': No such file or directory
```

## Whats am i doing wrong?

Thanks for the help.

I'm a bit stuck...

Many thanks.

Thanks for the post! 64bit OpenSuse 11.1, Kernel 2.26.27.48-0.2-default also recognizew the adapter. When a second adapter is plugged in, it is enumerated as /dev/ttyUSB1.

$$/W_0$$

It din't work here

```
root@ruudberry:/ch341_drv# ./ins.sh
make -C /lib/modules/3.6.11+/build SUBDIRS=/ch341_drv modules
make: *** /lib/modules/3.6.11+/build: No such file or directory. Stop.
make: *** [default] Error 2
Error: could not load module tty_ioctl.ko: No such file or directory
Error: could not load module ch341.ko: No such file or directory
```

Maybe someone can help me out..

## 12. Inderpreet

Posted July 11, 2014 at 07:45 | [Permalink](#)

Reblogged this on [The Embedded Code](#) and commented:

I bought these Arduino Nano clones from Aliexpress and it turns out they might not work on the Rpi. This post seems to have an answer. I wanted to bookmark the solution but I am sharing it here instead.

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2. By [Find a driver for 1a86:7523 usb to serial converter \(W2K\) | Luan78zao's Blog](#) on September 13, 2010 at 05:28  
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