

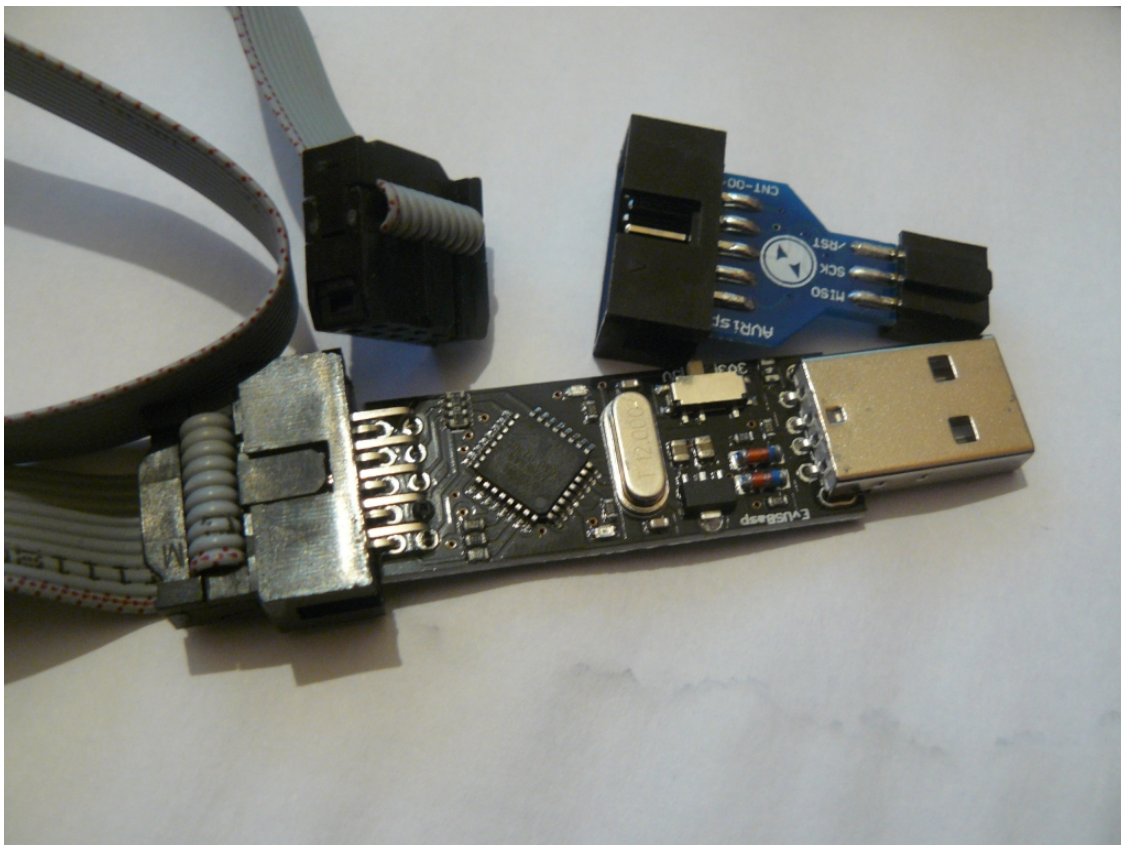
USBasp AVR Arduino Programmer Drivers

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There are a few variants of the USBasp, mostly they work the same and need the same drivers.

This guide is for the ones that look like this, but as I say mostly they work the same so try it anyway.



Linux Drivers

Your system should already have the necessary driver, but might need a tweak to allow non-root users to access the USBasp

Create a text file `/etc/udev/rules.d/99-USBasp.rules` and inside that file put the following single line

```
SUBSYSTEM=="usb", ATTR{product}=="USBasp", ATTR{idProduct}=="05dc",  
ATTRS{idVendor}=="16c0", MODE="0666"
```

this is tested on my Ubuntu systems, your milage may vary, you probably need to restart udev (`/etc/init.d/udev restart`), or just reboot.

Google is your friend.

Mac Drivers

Nope, I don't think you need any, it will probably "just work".

Windows Drivers

Windows is of course the bothersome child, but it's not too hard once you know how.

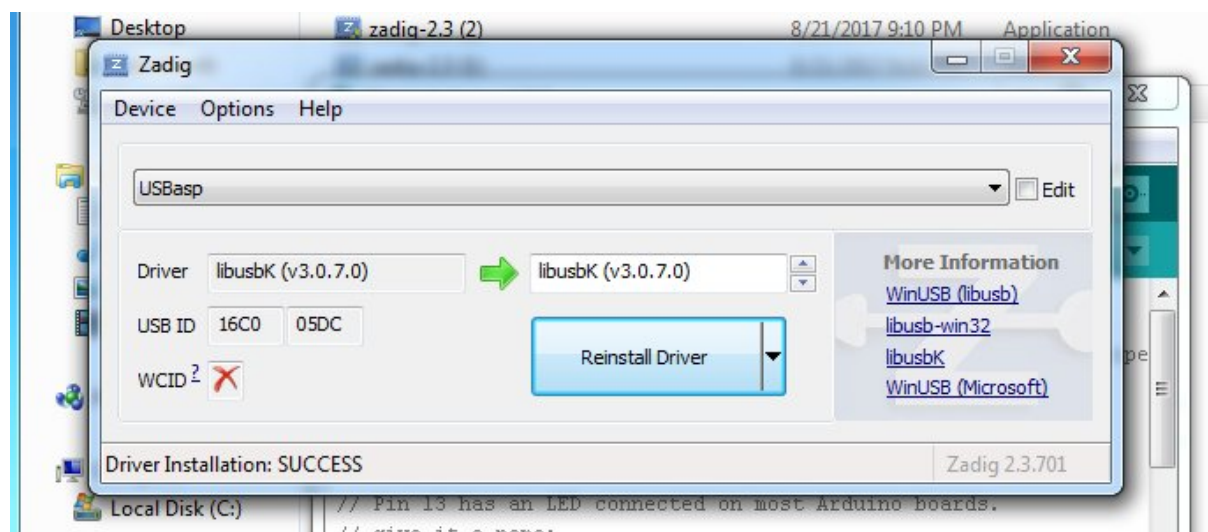
You need to install "libusb", the simplest way to install is to use the "Zadig" software, first download it...

[Zadig 2.3, for Windows 7 + \(Not XP or Vista\)](#)

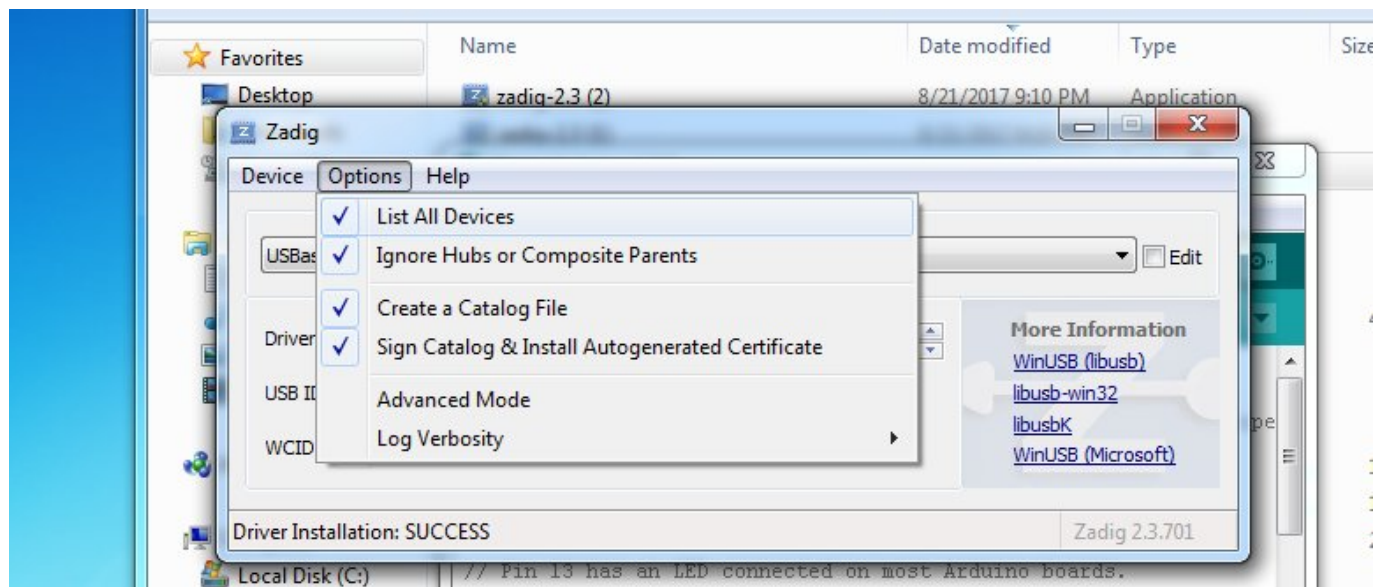
[Zadig 2.2 for Windows XP](#)

[Zadig 2.2 for Windows Vista](#)

Now connect your USBasp and run the Zadig program. In the Zadig window a drop-down shows all the found devices which it might be able to help with and hopefully USBasp is in there.



If it's now shown in the drop down, try selecting "List All Devices" from the Options menu



now in the area on the right side of the arrow, you will see some little up and down arrows, this selects the driver to install for that device, on the left of the green arrow is the driver already installed for that device if any. **You probably want to select "libusbK" if it is available on the right of that green arrow.**

But you can always run zadig again and try a different driver if you have no luck the first time.

The [Zadig website is here](#), Zadig is GPL open source software.

Troubleshooting Windows

If you get a message like "could not find USB device with vid=0x16c0 pid=0x5dc"

This probably indicates that zadig (or you) selected the wrong driver, re-run zadig and try a different one, typically at least for a 64bit system, libusbK is what you want.

If the zadig install times-out and says it failed to install

Don't worry just reboot (you might not be able to quit Zadig, doesn't matter, just reboot), it probably worked anyway. Try again if not.

If you don't see USBasp in the devices list in Zadig

Remember to plug in your USBasp before starting Zadig, and select Options > List All Devices in zadig's window in case it think's it's already installed.

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