
Subject: Linking with usb library

Posted by [malaugh](#) on Wed, 27 Jun 2007 23:52:14 GMT

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Forgive my basic questions but I am a newbie at Linux programming and Ultimate++.

I am writing a program that communicates with a USB device. It uses the function `usb_init()`, `usb_open()` etc., which are contained in a library called `libusb.a` in the `/usr/lib` directory. I wrote a simple console program to test the library interface

```
usb_init();
usb_find_busses();
usb_find_devices();
usb_busses = usb_get_busses();
for (bus = usb_busses; bus; bus = bus->next)
{
    for (dev = bus->devices; dev; dev = dev->next)
    {
        printf("idVendor:0x%04x\n",dev->descriptor.idVendor);
        printf("idProduct:0x%04x\n",dev->descriptor.idProduct);
    }
}
return 0;
```

I can compile and run this program with the following gcc command:

```
gcc UsbList.cpp -lusb -lstdc++ -o UsbList
```

When I try to compile and run it under Ultimate++ I get linker errors, it cannot find `usb_init`, `usb_find_busses`, `usb_find_devices`, or `usb_get_busses`.

How to I tell Ultimate++ to link with the usb library?

Thanks