

Newbie help with simple C program, USB device under Debian

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2007-09/msg02678.html>

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Sending this again as it did not seem to get to the list when I first sent it this morning.

I am need of some help with a USB device under Debian; trying last night multiple times to no avail.

I have a Dallas Semiconductor Thermochron temperature data logger that I am trying to set. The data logger (DS1921G-F5) is attached to a USB bridge (DS1921G-F5). I downloaded their linux utilities which consist of two simple C programs: One to set a "mission" and the other to download the datat logged:

thermo21.c thermo21.h thermodl.c thermoms.c

The readme states:

/These utilities are used to download (thermodl) and mission (thermoms) a DS1921G Thermochron iButton. The DS1921Z/DS1921H are not supported with this application.

THERMODL:

usage: thermodl 1wire_net_name <output_filename> </Fahrenheit>
- Thermochron download on the 1-Wire Net port
- 1-wire_net_port required port name
example: "COM1" (Win32 DS2480B),"/dev/cua0"
(Linux DS2480B),"1" (Win32 TMEX)
- <output_filename> optional output filename
- </Fahrenheit> optional Fahrenheit mode (default Celsius)
- version 1.03

Required on the command line is the 1-Wire port name:

example: "COM1" (Win32 DS2480B)
"/dev/cua0" (Linux DS2480B)
"1" (Win32 TMEX)
"\\.DS2490-1" (Win32 USB DS2490)
"{1,5}" (Win32 DS2480B multi build)

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"{1,6}" (Win32 USB DS2490 multi build)

"{1,2}" (Win32 DS1410E multi build)

/When the device is plugged in dmesg shows:

```
usb 1-10: new full speed USB device using ohci_hcd and address 6
```

```
PM: Adding info for usb:1-10
```

```
PM: Adding info for No Bus:usbdev1.6_ep00
```

```
usb 1-10: configuration #1 chosen from 1 choice
```

```
PM: Adding info for usb:1-10:1.0
```

```
PM: Adding info for No Bus:usbdev1.6_ep81
```

```
PM: Adding info for No Bus:usbdev1.6_ep02
```

```
PM: Adding info for No Bus:usbdev1.6_ep83
```

In /dev I have:

```
usbdev1.1_ep81
```

```
usbdev1.6_ep83
```

```
usbdev1.6_ep02
```

Trying something like: `/sh thermodl /dev/usbdev1.1_ep81 t.txt /results`
in an error.

```
/thermodl.c: line 1:
```

```
//-----: No
```

```
such file or directory
```

```
thermodl.c: line 2: syntax error near unexpected token `('
```

```
thermodl.c: line 2: `// Copyright (C) 2000 Dallas Semiconductor  
Corporation, All Rights 'eserved.
```