

LAOS Laser - Bug #77

Have to send job twice?

2013-03-13 09:30 - peteruithoven

Status:	Closed	Start date:	2013-03-13
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	firmware	Estimated time:	0.00 hour
Target version:			

Description

When I'm using Visicut and I just turned on the machine the first time I send a job trough Visicut it never arrives. Visicut will show a progress bar that it's sending, laoslaser display says "it's receiving file...", but it never works. Then after a short while Visicut will think it worked (it didn't) and I can send the job again. Then it works and it sends the job almost instantly. And it keeps working fine as long as I don't shut down the lasercutter.

I have no clue if this is a bug in the laoslaser firmware or in Visicut. Does anyone else have this problem?

I added the info + config file on the list of lasercutters, under Fablab Amersfoort.

http://redmine.laoslaser.org/projects/laos/wiki/A_list_of_users_with_LAOS_converted_lasercutters

I'm using the latest firmware (laoslaser-9-3-2013.bin).

History

#1 - 2013-03-14 14:13 - parag0n

- Category set to firmware

I'm also getting this problem on our laser cutter.

Sometimes it can take 20 minutes of various reboots to make it accept a file, once it accepts it keeps working until next reset.

I had a look using wireshark, and it seemed that the LAOS board wasn't closing out the TFTP connection correctly. I can upload more information, and the wireshark dump if needed.

#2 - 2013-05-07 18:32 - peteruithoven

parag0n, please do. I've got no clue how I could debug this otherwise.

#3 - 2013-05-22 22:30 - peteruithoven

Alright, did some testing, trough a serial monitor, listening to the mbed.

I enabled the TFTP_DEBUG and added some print's of my own.

I'll add some comments between []'s for clarity.

First time I send a file:

```
onListenUDPSocketEvent
  state: 0 [listen]
Listen: Incoming file visicut11.lgc on TFTP connection from 10.0.0.10 clientPort 52455

Main::GetFile()
```

Second time I send a file:

```
onListenUDPSocketEvent
  state: 2 [writing]
Listen: Incoming file visicut12.lgc on TFTP connection from 10.0.0.10 clientPort 52456
```

```
onListenUDPSocketEvent
  state: 2
  0x03 [case handling 0x03]
  data: 7
Read packet 1 with blocksize = 129

Read last block 129
```

Third time I send a file:

```
onListenUDPSocketEvent
  state: 0
Listen: Incoming file visicut13.lgc on TFTP connection from 10.0.0.10 clientPort 60339

Main::GetFile()

onListenUDPSocketEvent
  state: 2
  0x03
  char: 7
Read packet 1 with blocksize = 129

Read last block 129
```

Fourth time I send a file:

```
onListenUDPSocketEvent
  state: 0
Listen: Incoming file visicut14.lgc on TFTP connection from 10.0.0.10 clientPort 58713

Main::GetFile()

onListenUDPSocketEvent
  state: 2
  0x03
  char: 7
Read packet 1 with blocksize = 129

Read last block 129
```

So somehow the onListenUDPSocketEvent isn't called and/or there is something wrong with the state. Sadly enough I don't get enough of the system to debug further. Why is it for example in a writing state? Why does it stay there when you send a new file? How can I simply print what comes in?

#4 - 2013-06-03 13:12 - DeanoC

Also getting similar issues, making it really hard to use.

#5 - 2013-12-15 02:21 - peteruithoven

Using the MBED compiled firmware seems to mostly solve the issue. Especially the consistent first time send issue seems gone. Awesome side benefit to using the MBED compilation method.

#6 - 2014-08-17 17:44 - peteruithoven

- *Status changed from New to Closed*

As far as I can tell after using the new version in our Fablab for quite a while this issue seems solved.