



Lorenzo Busoni <lbusoni@gmail.com>

MoCon ??

5 messaggi

Lorenzo Busoni <lbusoni@arcetri.astro.it>

21 marzo 2013 18:09

A: Julian Ziegleder <ziegleder@mpe.mpg.de>

Cc: Marco Bonaglia <mbona@arcetri.astro.it>, Tommaso Mazzoni <tmazzoni@arcetri.astro.it>, Sebastian Rabien <srabien@mpe.mpg.de>, Wolfgang Gaessler <gaessler@mpia.de>, Jose Borelli <borelli@mpia.de>, Martin Kulas <kulas@mpia-hd.mpg.de>

Hi Julian

I got a problem with PupilMotorBlue.

There is a red sign on the GUI instead of the green tick and the software is refusing to go on saying "device is unreachable" so our new wonderful state machine fails at the very first step.

Actually we did a test yesterday and it was working so I think is not a SW problem, but an HW one.

What could I check?

SW guys: what is the exact meaning of Device is unreachable in the MoCon case? Could the communication with the motor (so cabling etc) be involved in the error, or it is just something internal to the MoCON itself?

I attach a screenshot (if it helps)

Ciao

L.

```
2013-03-21 17:52:56.601000 NOTICE LGSWCtrl dx-lgsw:11756.7fa77ffff700
argos Nice/Property/CmdSequencer.cc:40 static PyObject*
```

```
Nice::CmdSequencer::Nice_log(PyObject*, PyObject*) [Going from
POWERED_UP to SETTING_UP]
```

```
2013-03-21 17:52:56.604282 NOTICE LGSWCtrl dx-lgsw:11756.7fa77ffff700
argos Nice/Property/CmdSequencer.cc:40 static PyObject*
```

```
Nice::CmdSequencer::Nice_log(PyObject*, PyObject*) [Connecting to
PUPIL_MOTOR_BLUE at node REMOTE.PUPIL_MOTOR_BLUE on service
DX_PupilMotorBlue@192.168.29.143:10082]
```

```
2013-03-21 17:52:56.684380 NOTICE LGSWCtrl dx-lgsw:11756.7fa77ffff700
argos Nice/Property/CmdSequencer.cc:40 static PyObject*
```

```
Nice::CmdSequencer::Nice_log(PyObject*, PyObject*) [Connecting to
PUPIL_MOTOR_YELLOW at node REMOTE.PUPIL_MOTOR_YELLOW on service
DX_PupilMotorYellow@192.168.29.143:10083]
```

```
2013-03-21 17:52:56.757388 NOTICE LGSWCtrl dx-lgsw:11756.7fa77ffff700
argos Nice/Property/CmdSequencer.cc:40 static PyObject*
```

```
Nice::CmdSequencer::Nice_log(PyObject*, PyObject*) [Connecting to
PUPIL_MOTOR_RED at node REMOTE.PUPIL_MOTOR_RED on service
DX_PupilMotorRed@192.168.29.143:10084]
```

```
2013-03-21 17:52:56.832177 NOTICE LGSWCtrl dx-lgsw:11756.7fa77ffff700
argos Nice/Property/CmdSequencer.cc:40 static PyObject*
```

```
Nice::CmdSequencer::Nice_log(PyObject*, PyObject*) [DX_PupilMotorBlue:
Going to Nominal position [[100,200]]]
```

```
Traceback (most recent call last):
```

```
File "/home/argos/apps/lib/python/site-packages/argos/util/decorator.py",
```

```

line 94, in wrappedMethod
  result= f(self, *args, **kwargs)
  File "/home/argos/apps/lib/python/site-packages/argos/lgsw/state_machine.py",
line 103, in _enter_SETTING_UP
  each.goToNominalPositionStart()
  File "/home/argos/apps/lib/python/site-packages/argos/device/motor_xy_device.py",
line 21, in goToNominalPositionStart
  self._checkReachability()
  File "/home/argos/apps/lib/python/site-packages/argos/device/motor_xy_device.py",
line 96, in _checkReachability
  raise RuntimeError("%s is unreachable" % (self.name()))
RuntimeError: DX_PupilMotorBlue is unreachable
2013-03-21 17:52:56.833492 ERROR LGSWCtrl dx-lgsw:11756.7fa77ffff700
argos Nice/Property/CommandSequencer.cc:34 static PyObject*
Nice::CommandSequencer::Nice_log(PyObject*, PyObject*) [Failed to perform
actions in SETTING_UP to reach SET_UP: DX_PupilMotorBlue is
unreachable]

```

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Screenshot-6.png
 114K

Lorenzo Busoni <lbusoni@arcetri.astro.it> 21 marzo 2013 18:49
 A: Julian Ziegler <ziegler@mpe.mpg.de>
 Cc: Marco Bonaglia <mbona@arcetri.astro.it>, Tommaso Mazzoni <tmazzoni@arcetri.astro.it>, Sebastian Rabien <srabien@mpe.mpg.de>, Wolfgang Gaessler <gaessler@mpia.de>, Jose Borelli <borelli@mpia.de>, Martin Kulas <kulas@mpia-hd.mpg.de>

Hi All,
 with my wonderful IDL Mocon routine I'm able to move all 6 motors
 without any problem.
 Now I restarted the basdards and I find that the DX_PupilMotorBlue is
 happy again. (Note I didn't reboot MoCon before using IDL, it would
 have been a much too easy objection)
 So it has been either a HW temporary malfunctioning or a SW one or a
 tremor in the Force.
 Anyway, the MoCon sucks and IDL wins. Forever
 L.

2013/3/21 Lorenzo Busoni <lbusoni@arcetri.astro.it>:
 [Testo tra virgolette nascosto]

2013/3/21 Lorenzo Busoni <lbusoni@arcetri.astro.it>:

[Testo tra virgolette nascosto]

Sebastian Rabien <srabien@mpe.mpg.de>

22 marzo 2013 00:09

A: Lorenzo Busoni <lbusoni@arcetri.astro.it>

Cc: Julian Ziegleder <ziegleder@mpe.mpg.de>, Marco Bonaglia <mbona@arcetri.astro.it>, Tommaso Mazzoni <tmazzoni@arcetri.astro.it>, Wolfgang Gaessler <gaessler@mpia.de>, Jose Borelli <borelli@mpia.de>, Martin Kulas <kulas@mpia-hd.mpg.de>

Dear All,

we had many of the 'device is unreachable' errors with the laser system.
 On the MoCon and on other devices e.g. Lasers.
 Finally Martin had a workaround which was ..??asking the device again??
 I still suspect that the poll rate for information could have to do with it?

Regrds,
 Sebastian

Am 21.03.2013 18:49, schrieb Lorenzo Busoni:

[Testo tra virgolette nascosto]

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Dr. Sebastian Rabien
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 Giessenbachstrasse, 85748 Garching, Germany
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Martin Kulas <kulas@mpia.de>

22 marzo 2013 10:43

A: Lorenzo Busoni <lbusoni@arcetri.astro.it>

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Hi Lorenzo!

On Thu, Mar 21, 2013 at 06:09:16PM +0100, Lorenzo Busoni wrote:
 > I got a problem with PupilMotorBlue.
 > There is a red sign on the GUI instead of the green tick and the
 > software is refusing to go on saying "device is unreachable" so our
 > new wonderful state machine fails at the very first step.
 > Actually we did a test yesterday and it was working so I think is not
 > a SW problem, but an HW one.
 > What could I check?
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 > MoCon case? Could the communication with the motor (so cabling etc) be
 > involved in the error, or it is just something internal to the MoCON
 > itself?

In my opinion, the unreachable error message of the MoCon means
 that the MoCon basdard is unable to communciate with the motor hardware.
 Reasons for these communcation failures are manifold.
 A look in the log file of the pupil motor red basdard might be
 helpful.

Ciao,
Martin

[Testo tra virgolette nascosto]

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 Koenigstuhl 17
 D-69117 Heidelberg, Germany

Julian Ziegleder <ziegleder@mpe.mpg.de>

25 marzo 2013 09:12

A: Lorenzo Busoni <lbusoni@arcetri.astro.it>

Cc: Martin Kulas <kulas@mpia.de>, Marco Bonaglia <mbona@arcetri.astro.it>, Tommaso Mazzoni <tmazzoni@arcetri.astro.it>, Sebastian Rabien <srabien@mpe.mpg.de>, Wolfgang Gaessler <gaessler@mpia.de>, Jose Borelli <borelli@mpia.de>, Martin Kulas <kulas@mpia-hd.mpg.de>, Frank Kittmann <kittmann@mpia.de>

Hi Lorenzo,

The mocon I brought 2 weeks ago is configured to use RS232 AND ethernet. I think we had the experience that this setting could cause problems because the mocon interface might be too slow for the high polling frequency of the SW. If you still have problems you could try the ethernet-only setting (see user guide p.21, <https://bscw1.mpe.mpg.de/bscw/bscw.cgi/361977>)

Sorry, I didn't change this setting because I expected some necessary on-site reconfigurations.

Greetings,
Julian

[Testo tra virgolette nascosto]

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