

雷鸟灯控系统设备测试软件使用说明

Revision: 1.1

<http://www.yelighting.com>

领焰科技技术支持部 2012-12-15

简介

当您在雷鸟灯光控制台、灯光网络控制器、灯光重演器等产品时遇到故障无法使用，可以通过本软件的检测来确定硬件设备是否工作正常，以达到快速排除硬件故障的目的。

概要介绍

雷鸟灯光控制系统是领焰公司自主研发生产的具有国际领先水平的舞台灯光控制系统，系统包括灯光控制台、灯光网络扩展器、灯光重演器等系列产品。

查阅本手册将占去您大约十分钟的时间。

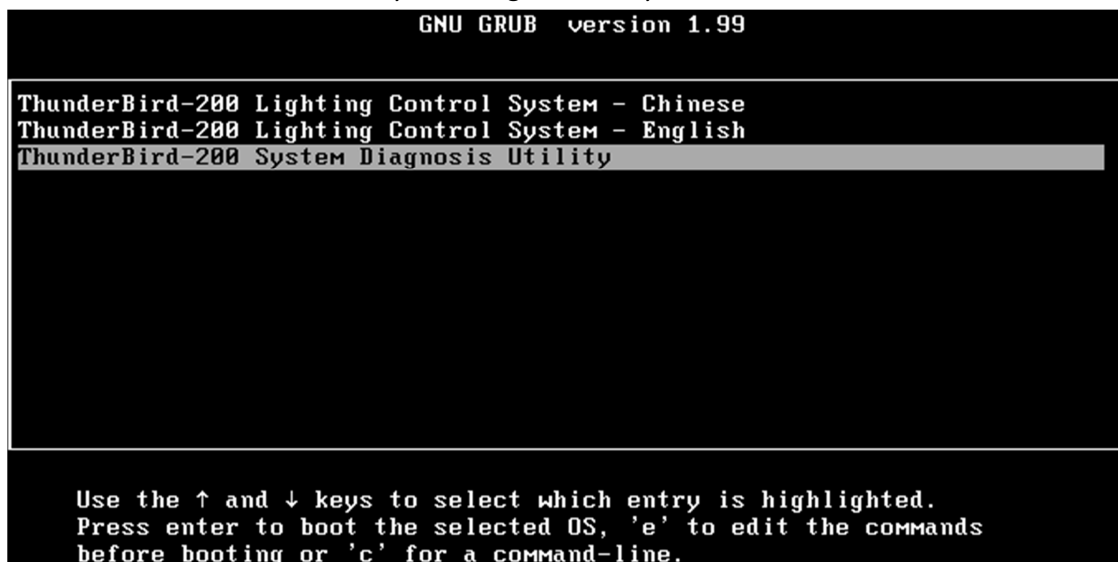
本手册支持产品列表：

领焰灯光控制台；雷鸟网络扩展器（NPU）；雷鸟重演器（RPU）

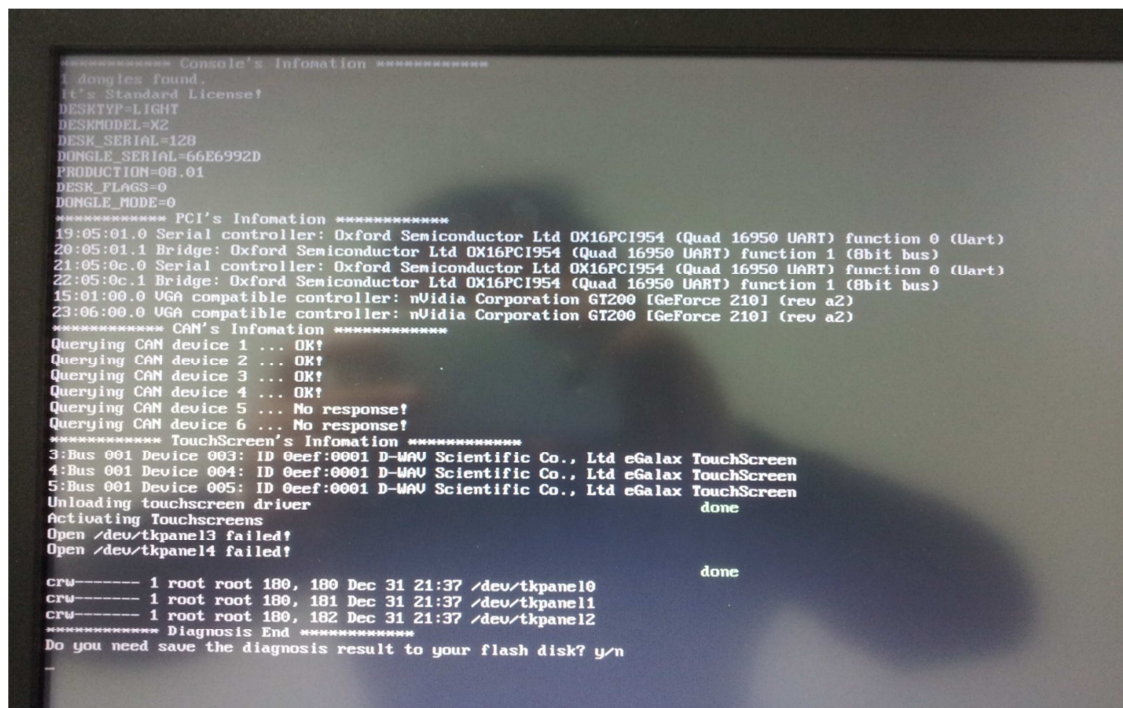
开始测试

以下测试说明以 Thunderbird 200 为例，其他机型测试的过程相同，只有提示信息和输出结果不同，所以这里不再例举其他机型的测试。

a、开机时选择 “ThunderBird-200 System Diagnosis Utility”



b、系统启动后，自动进入检测流程，显示一些信息，并在最后询问是否需要将记录保存到 U 盘



c. 利用键盘回复“y”,则进入下面的画面

```
19:05:01.0 Serial controller: Oxford Semiconductor Ltd OX16PCI954 (Quad 16950 UART) function 0 (uart)
20:05:01.1 Bridge: Oxford Semiconductor Ltd OX16PCI954 (Quad 16950 UART) function 1 (8bit bus)
21:05:0c.0 Serial controller: Oxford Semiconductor Ltd OX16PCI954 (Quad 16950 UART) function 0 (uart)
22:05:0c.1 Bridge: Oxford Semiconductor Ltd OX16PCI954 (Quad 16950 UART) function 1 (8bit bus)
15:01:00.0 UGA compatible controller: nVidia Corporation GT200 [GeForce Z10] (rev a2)
23:06:00.0 UGA compatible controller: nVidia Corporation GT200 [GeForce Z10] (rev a2)
***** CAN's Infonation *****
Querying CAN device 1 ... OK!
Querying CAN device 2 ... OK!
Querying CAN device 3 ... OK!
Querying CAN device 4 ... OK!
Querying CAN device 5 ... No response!
Querying CAN device 6 ... No response!
***** TouchScreen's Infonation *****
3-Bus 001 Device 003: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax TouchScreen
4-Bus 001 Device 004: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax TouchScreen
5-Bus 001 Device 005: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax TouchScreen
Unloading touchscreen driver
Activating Touchscreens
Open /dev/tpanel3 failed!
Open /dev/tpanel4 failed!

crw----- 1 root root 180, 180 Dec 31 21:37 /dev/tpanel0
crw----- 1 root root 180, 181 Dec 31 21:37 /dev/tpanel1
crw----- 1 root root 180, 182 Dec 31 21:37 /dev/tpanel2
***** Diagnosis End *****
Do you need save the diagnosis result to your flash disk? y/n
y
Please insert your flash disk into a usb port, then press Enter!
-
```

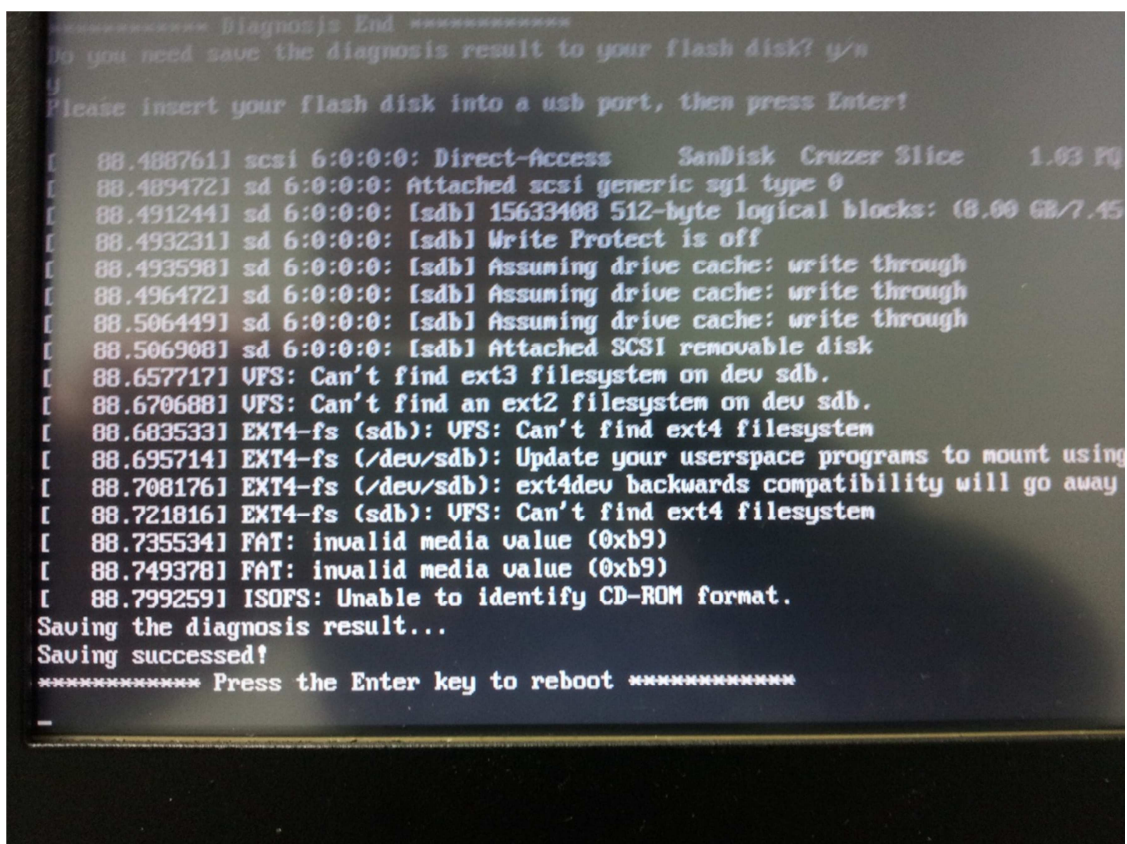
该画面出现时：要求您插入U盘，然后回车

```
Querying CAN device 5 ... No response!
Querying CAN device 6 ... No response!
***** TouchScreen's Infonation *****
3-Bus 001 Device 003: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax TouchScreen
4-Bus 001 Device 004: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax TouchScreen
5-Bus 001 Device 005: ID 0eef:0001 D-WAV Scientific Co., Ltd eGalax TouchScreen
Unloading touchscreen driver
Activating Touchscreens
Open /dev/tpanel3 failed!
Open /dev/tpanel4 failed!

crw----- 1 root root 180, 180 Dec 31 21:37 /dev/tpanel0
crw----- 1 root root 180, 181 Dec 31 21:37 /dev/tpanel1
crw----- 1 root root 180, 182 Dec 31 21:37 /dev/tpanel2
***** Diagnosis End *****
Do you need save the diagnosis result to your flash disk? y/n
y
Please insert your flash disk into a usb port, then press Enter!

[ 88.480761] scsi 6:0:0:0: Direct-Access SanDisk Cruzer Slice 1.03 PQ: 0 ANSI: 2
[ 88.489472] sd 6:0:0:0: Attached scsi generic sg1 type 0
[ 88.491244] sd 6:0:0:0: [sdb] 15633408 512-byte logical blocks: (8.00 GB/7.45 GiB)
[ 88.493231] sd 6:0:0:0: [sdb] Write Protect is off
[ 88.493598] sd 6:0:0:0: [sdb] Assuming drive cache: write through
[ 88.496472] sd 6:0:0:0: [sdb] Assuming drive cache: write through
[ 88.506449] sd 6:0:0:0: [sdb] Assuming drive cache: write through
[ 88.506908] sd 6:0:0:0: [sdb] Attached SCSI removable disk
[ 88.657717] UFS: Can't find ext3 filesystem on dev sdb.
[ 88.670688] UFS: Can't find an ext2 filesystem on dev sdb.
[ 88.683533] EXT4-fs (sdb): UFS: Can't find ext4 filesystem
[ 88.695714] EXT4-fs (/dev/sdb): Update your userspace programs to mount using ext4
[ 88.708176] EXT4-fs (/dev/sdb): ext4dev backwards compatibility will go away by 2.6.31
[ 88.721816] EXT4-fs (sdb): UFS: Can't find ext4 filesystem
[ 88.735534] FAT: invalid media value (0xb9)
[ 88.749378] FAT: invalid media value (0xb9)
[ 88.792259] ISOFS: Unable to identify CD-ROM format.
Saving the diagnosis result...
```


正在往 U 盘里面写入数据文件，耐心等待。。。



```
***** Diagnosis End *****
Do you need save the diagnosis result to your flash disk? y/n
y
Please insert your flash disk into a usb port, then press Enter!

[ 88.488761] scsi 6:0:0:0: Direct-access   SanDisk  Cruzer Slice   1.03 PQ
[ 88.489472] sd 6:0:0:0: Attached scsi generic sgl type 0
[ 88.491244] sd 6:0:0:0: [sdb] 15633408 512-byte logical blocks: (8.00 GB/7.45
[ 88.493231] sd 6:0:0:0: [sdb] Write Protect is off
[ 88.493598] sd 6:0:0:0: [sdb] Assuming drive cache: write through
[ 88.496472] sd 6:0:0:0: [sdb] Assuming drive cache: write through
[ 88.506449] sd 6:0:0:0: [sdb] Assuming drive cache: write through
[ 88.506908] sd 6:0:0:0: [sdb] Attached SCSI removable disk
[ 88.657717] UFS: Can't find ext3 filesystem on dev sdb.
[ 88.670688] UFS: Can't find an ext2 filesystem on dev sdb.
[ 88.683533] EXT4-fs (sdb): UFS: Can't find ext4 filesystem
[ 88.695714] EXT4-fs (/dev/sdb): Update your userspace programs to mount using
[ 88.708176] EXT4-fs (/dev/sdb): ext4dev backwards compatibility will go away
[ 88.721816] EXT4-fs (sdb): UFS: Can't find ext4 filesystem
[ 88.735534] FAT: invalid media value (0xb9)
[ 88.749378] FAT: invalid media value (0xb9)
[ 88.799259] ISOFS: Unable to identify CD-ROM format.
Saving the diagnosis result...
Saving succeeded!
***** Press the Enter key to reboot *****
```

d. 文件保存成功，任意键重启机器，拔下 U 盘，此时您的 U 盘根目录中会有类似如下的文件：

2012-12-311337.diag.log

2012-12-311337.kern.log

2012-12-311337.sys.log

2012-12-311337.Xorg.0.log

将这些文件发给我们，我们能够更好的为您在第一时间解决遇到的问题。

最后

如果您在阅读本说明之后，测试过程中遇到其他本说明没有提到的问题，请联系我们：

邮件： support@yelighting.com

电话： 0512 50191011

我们将随时为您解决任何有关产品的问题。