

|                                                                                                                                                                                                                                                                                                                                                                |                |                   |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-----------------|
| Status:                                                                                                                                                                                                                                                                                                                                                        | CLOSED         | Start date:       | 2023-06-08      |
| Priority:                                                                                                                                                                                                                                                                                                                                                      | High           | Due date:         |                 |
| Assignee:                                                                                                                                                                                                                                                                                                                                                      | 移动测试一组_CDTs 刘强 | % Done:           | 20%             |
| Category:                                                                                                                                                                                                                                                                                                                                                      | BSP            | Estimated time:   | 0.00 hour       |
| Target version:                                                                                                                                                                                                                                                                                                                                                |                |                   |                 |
| Need_Info:                                                                                                                                                                                                                                                                                                                                                     | --             | Found Version:    | 01.00.0106.C104 |
| Resolution:                                                                                                                                                                                                                                                                                                                                                    | DUPLICATE      | Degrated:         | --              |
| Severity:                                                                                                                                                                                                                                                                                                                                                      | Major          | Verified Version: |                 |
| Reproducibility:                                                                                                                                                                                                                                                                                                                                               | Every time     | Fixed Version:    |                 |
| Test Type:                                                                                                                                                                                                                                                                                                                                                     | ST             | Root cause:       |                 |
| Description                                                                                                                                                                                                                                                                                                                                                    |                |                   |                 |
| <p>【出现时间】：2023.6.08 15：22</p> <p>【前提条件】：</p> <p>1、整车上电</p> <p>【操作步骤】：</p> <p>1、频繁点击仅副屏息屏开关</p> <p>【实际结果】：</p> <p>点击多次后屏幕亮度与实际亮度值不符</p> <p>【期望结果】：</p> <p>副屏亮起后，屏幕亮度与实际亮度值一致</p> <p>【备注】：安卓日志已上云</p> <p>【车架号】：LJD8BB3F7P0000708</p> <p>【环境信息】：EE</p> <p>【版本详情】：03.02.0088.C103</p> <p>【复归方法】：调节副屏亮度后恢复</p> <p>【数采仪编号】：0300151</p> <p>【副屏版本】：01.00.0106.C104</p> |                |                   |                 |

History

- #1 - 2023-06-08 16:00 - CDTs\_Test 吴诗雨
- File 1686211192260.zip added
- #2 - 2023-06-09 11:32 - CD FW 曹覃刚
- Status changed from New to ASSIGNED
- Assignee changed from CD FW 曹覃刚 to CD FW-廖涛
- #3 - 2023-06-10 16:23 - CD FW-廖涛
- Assignee changed from CD FW-廖涛 to CD FW-程天颖
- #4 - 2023-06-10 17:37 - CD FW-程天颖
- Category changed from CD-FW to BSP
- Assignee changed from CD FW-程天颖 to CD BSP-杜磊

当前分析:

bug复现时最后一次亮屏日志,此时屏幕亮度发生异常

06-08 15:22:30.579 2132 8929 I MicroService: onRequest(setScreenDisplay): {"ScreenDisplay":1}  
bug复现后调节亮度日志,亮度恢复正常

15:23:04.813 1476 1651 V DisplayPowerController: Brightness [1.0] reason changing to: 'temporary', previous reason: 'manual'.

bug复现期间自动亮度开关为关,副屏亮度不会收到亮度同步影响,所以并没有改变副屏亮度.

上层设置亮度时,会有此类日志打印:

V DisplayPowerController[0]: Brightness [1.0] reason changing to: 'temporary', previous reason: 'manual'.

但是在bug复现期间,上层并没有设置亮度的日志打印,所以上层并没有设置副屏亮度

下一步:

查看驱动的log,观察驱动是否有设置亮度.

#5 - 2023-06-12 11:10 - CD TPM-王祥林  
- Status changed from ASSIGNED to RESOLVED  
- Resolution changed from -- to DUPLICATE

在JIRA上跟踪 , 内部关闭此票。

#6 - 2023-06-12 15:58 - CD BSP-杜磊

<https://dev.thundercomm.com/gerriit/c/general/platform/frameworks/base/+ /203629>

#7 - 2023-06-14 11:22 - CD BSP-杜磊

中控端对副屏进行快速两灭屏操作 :

001011\_kernel\_00799\_230608\_151754.log

2284:06-08 15:22:24.645 0 0 E [ 8631.368914] [MAX975X: max96755x\_vc1\_lcd\_dtc\_check] ERROR DTC\_Display: display on, abnormal backlight sta:0 cur:lvl:0 set:lvl:100

2287:06-08 15:22:24.958 0 0 I [ 8631.685421] [drm: dsi\_ctrl\_hw\_cm\_n\_video\_engine\_en] [msm-dsi-info]: DSI\_0: MAX975X: Video engine = 0

2288:06-08 15:22:24.958 0 0 I [ 8631.685793] [MAX975X: max96755x\_drm\_notifier\_callback] INFO receives BLANK: POWERDOWN

1 . 快速操作 , 发现系统此时为亮屏状态 , 而lcd还未亮屏 , 此背光等级为100 (cur:lvl:0 set:lvl:100), 上一状态是熄屏(cur:lvl:0 set:lvl:100) , 背光等级为 0 , 即灭屏。

比较前后两灭屏状态 , 发现lcd芯片内部亮度等级与设置的亮度等级不一致 , 则重新设置系统设置的亮度值。

2297:06-08 15:22:25.552 0 0 I [ 8632.279245] [drm: dsi\_ctrl\_hw\_cm\_n\_video\_engine\_en] [msm-dsi-info]: DSI\_0: MAX975X: Video engine = 1

2298:06-08 15:22:25.554 0 0 I [ 8632.280279] [MAX975X: max96755x\_drm\_notifier\_callback] INFO receives BLANK: UNBLANK

3. 请一状态系统灭屏时 , 系统的亮度等级为100, 亮屏后 , 再进入灭屏亮度等级变为 1 . 说明亮度等级发生改变是在 1 . 2 之间。

2304:06-08 15:22:26.525 0 0 I [ 8633.249100] [drm: dsi\_ctrl\_hw\_cm\_n\_video\_engine\_en] [msm-dsi-info]: DSI\_0: MAX975X: Video engine = 0

2305:06-08 15:22:26.525 0 0 I [ 8633.249646] [MAX975X: max96755x\_drm\_notifier\_callback] INFO receives BLANK: POWERDOWN

2308:06-08 15:22:26.661 0 0 E [ 8633.385241] [MAX975X: max96755x\_vc1\_lcd\_dtc\_check] ERROR DTC\_Display: display off, backlight not turn off, sta:1 lvl:1

2 . 此次灭屏状态下 , 发现lcd屏幕还未灭屏 , 则强制关闭背光 , 关闭背光前 , 读取的亮度等级值为1. 说明在本次熄屏前 , 系统设置到lcd芯片中的等级变为 1 .

android log: 是否有背光操作，检查一下灭屏时设置的背光是多少？

79:06-08 15:22:24.911 1476 1651 I DisplayPowerController: Blocking screen off

80:06-08 15:22:24.912 1476 1651 I DisplayPowerController: Unblocked screen off after 1 ms

89:06-08 15:22:24.920 1476 1651 V DisplayPowerController: Brightness [0.0] reason changing to: 'screen\_off', previous reason: 'manual'.

239:06-08 15:22:25.480 1476 1651 I DisplayPowerController: Blocking screen on until initial contents have been drawn.

260:06-08 15:22:25.490 1476 1651 V DisplayPowerController: Brightness [1.0] reason changing to: 'manual', previous reason: 'screen\_off'.

278:06-08 15:22:25.500 1476 1651 I DisplayPowerController: Unblocked screen on after 20 ms

#8 - 2023-06-17 16:34 - 物联网测试组\_CDTS 唐霞

Pre\_figure/VerifyBuild/Pre\_figure\_turbox-c2130c-la1.1-qssi12-dev/20230615/202306152209-4447版本验证100次未复现

#9 - 2023-06-17 16:46 - 物联网测试组\_CDTS 唐霞

/Pre\_figure/VerifyBuild/Pre\_figure\_turbox-c2130c-la1.1-qssi12-dev/20230616/202306161942-4479版本验证100次未复现

- #10 - 2023-06-19 13:52 - CD BSP-杜磊
- Status changed from RESOLVED to NEED\_INFO
  - Assignee changed from CD BSP-杜磊 to 物联网测试组\_CDTS 唐霞
  - % Done changed from 0 to 20

请帮忙使用如下添加了log的VB版本验证

[http://cdiot@192.168.87.46/Pre\\_figure/VerifyBuild/Pre\\_figure\\_turbox-c2130c-la1.1-qssi12-dev/20230615/202306152209-4447](http://cdiot@192.168.87.46/Pre_figure/VerifyBuild/Pre_figure_turbox-c2130c-la1.1-qssi12-dev/20230615/202306152209-4447)

- #11 - 2023-07-24 17:53 - CDTS\_TEST 王成
- Assignee changed from 物联网测试组\_CDTS 唐霞 to 移动测试一组\_CDTS 刘强

- #12 - 2023-08-02 15:59 - 移动测试一组\_CDTS 刘强
- Status changed from NEED\_INFO to RESOLVED

客户验证通过已关闭

- #13 - 2023-08-02 16:00 - 移动测试一组\_CDTS 刘强
- Status changed from RESOLVED to VERIFIED

- #14 - 2023-08-02 16:00 - 移动测试一组\_CDTS 刘强
- Status changed from VERIFIED to CLOSED

| Files             |         |            |               |
|-------------------|---------|------------|---------------|
| IOVDEV-33499.zip  | 11.2 MB | 2023-06-08 | CDTS_Test 吴诗雨 |
| 1686211192260.zip | 2.67 MB | 2023-06-08 | CDTS_Test 吴诗雨 |