

Figure - Bug #118616
IOVDEV-33139【内部】【解决方案】【VC1】【0088】【实车】【EE环境】进入系统设置，点击副屏息屏，无法息屏；
2023-06-07 15:51 - CD TEST-方永红

Status:	CLOSED	Start date:	2023-06-07
Priority:	High	Due date:	
Assignee:	CD TEST-方永红	% Done:	50%
Category:	BSP	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	0106
Resolution:	--	Degrated:	--
Severity:	Major	Verified Version:	
Reproducibility:	Rarely	Fixed Version:	
Test Type:	ST	Root cause:	
Description			
【出现时间】：2023.6.7 13：05：38 【前提条件】： 1、车机上电 【操作步骤】： 1、进入系统设置， 2、点击副屏息屏， 【实际结果】： 无法息屏； 【期望结果】： 应能正常息屏 【备注】：安卓日志已上云 【车架号】：LJD8BB3F9P0000385 【环境信息】：EE 【版本详情】：03.02.0088.C103.03 【复归方法】：重启 【数采编号】0340024			

History
#1 - 2023-06-07 16:01 - CD TEST-方永红
- File 1686124772002.zip added
#2 - 2023-06-07 16:18 - CD TEST-方永红
- File 8-130538.mp4 added
#3 - 2023-06-07 17:29 - CD FW-程天颖
- File power.log added
- Category changed from CD-FW to BSP
- Assignee changed from CD FW-程天颖 to CD BSP-杜磊

Hi,杜磊：

从日志中分析，该问题是屏幕熄灭了又被点亮

06-07 13:06:27.031 1566 1807 I intercept_power: [ACTION_DOWN,0,0]

06-07 13:06:27.032 1566 1807 I PowerManagerService: Powering on display group fromAsleep (groupId=0, uid=1000, reason=WAKE_REASON_POWER_BUTTON,

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details=android.policy:POWER)...\n06-07 13:06:27.032 1566 1807 I PowerManagerService: Waking up from Asleep (uid=1000, reason=WAKE_REASON_POWER_BUTTON,\ndetails=android.policy:POWER)...\n06-07 13:06:27.033 1909 1909 D KeyguardViewMediator: handleNotifyFinishedGoingToSleep\n06-07 13:06:27.034 1566 1807 I intercept_power: [ACTION_UP,0,0]
```

请帮忙分析一下为什么会出现该问题

power.log为一次完整的收到中控息屏命令后，息屏又点亮的日志

- #4 - 2023-06-08 11:05 - CD BSP-杜磊
- Category changed from BSP to CD-FW
- Status changed from New to ASSIGNED
- Assignee changed from CD BSP- 杜磊 to CD FW- 程天颖

FSEM_000393_0349_0607131448/logcat/000393_persist_02327_230607_130616.log

```
接受指令：\n06-07 13:06:27.031 1566 1807 I intercept_power: [ACTION_DOWN,0,0]\n06-07 13:06:27.032 1566 1807 I PowerManagerService: Powering on display group fromAsleep (groupId=0, uid=1000, reason=WAKE_REASON_POWER_BUTTON,\ndetails=android.policy:POWER)...\n06-07 13:06:27.032 1566 1807 I PowerManagerService: Waking up from Asleep (uid=1000, reason=WAKE_REASON_POWER_BUTTON,\ndetails=android.policy:POWER)...\n06-07 13:06:27.033 1909 1909 D KeyguardViewMediator: handleNotifyFinishedGoingToSleep\n06-07 13:06:27.034 1566 1807 I intercept_power: [ACTION_UP,0,0]
```

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将屏幕从off 设置为on 状态\n06-07 13:06:27.043 1566 1691 V DisplayPowerController: Brightness [0.74747473] reason changing to: 'manual', previous reason: 'screen_off'.\n06-07 13:06:27.043 1566 1691 I sysui_multi_action: [757,1696,758,6,759,3]\n06-07 13:06:27.044 1566 1566 I WindowManager: Suppressed redundant power key press while already in the process of turning the screen on.\n06-07 13:06:27.044 832 832 I QTI PowerHAL: Power setMode: 7 to: 1\n06-07 13:06:27.044 991 991 D SurfaceFlinger: Setting power mode 2 on display 4630946816427681409\n06-07 13:06:27.044 1566 1637 I DisplayDeviceRepository: Display device changed state: "内置屏幕", ON\n06-07 13:06:27.045 1566 1637 I InputManager-JNI: Viewport [0] to add: local:4630946816427681409, isActive: true
```

```
打开背光\n06-07 13:06:27.106 0 0 I [12143.060994] [drm: dsi_ctrl_hw_cmnn_video_engine_en] [msm-dsi-info]: DSI_0: MAX975X: Video engine = 1\n06-07 13:06:27.106 0 0 I [12143.061765] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: UNBLANK -- kernel背光亮\n06-07 13:06:27.101 3961 3961 D PASRDozeReceiver: Received Intent Intent { act=android.intent.action.SCREEN_OFF flg=0x50200010 }\n06-07 13:06:27.103 991 991 D SurfaceFlinger: Finished setting power mode 2 on display 4630946816427681409
```

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kernel不会主动打开关闭背光，都是通过上层调用控制背光。 \n1130:06-07 13:06:27.024 0 0 I [12142.984217] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: POWERDOWN - - *灭屏log*\n1213:06-07 13:06:27.106 0 0 I [12143.061765] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: UNBLANK -- 亮屏log
```

需要看一下上层亮灭屏状态切换是否有异常

- #5 - 2023-06-09 17:16 - 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

■ Current conclusion

已检查上层日志,并未发现异常,没有唤醒操作
怀疑是底层传递的power key事件唤醒的屏幕

■ My analysis

已知可以发送 power key事件的地方有两处

- 1.遥控器(已通过日志排除)
- 2.息屏状态点击屏幕唤醒(该情景会有intercept_power: [ACTION_DOWN,0,0]和intercept_power: [ACTION_UP,0,0]日志打印)

日志与息屏点击屏幕唤醒的日志一致
怀疑是点击屏幕唤醒的流程唤醒的屏幕,但是视频中并无屏幕点击,可能是息屏状态下屏幕点击判定出了问题

■ Next action

请bsp同学帮忙分析该intercept_power事件是否是底层传递而来

#6 - 2023-06-09 18:28 - CD BSP-杜磊
- Assignee changed from CD BSP-杜磊 to CD TPM-王祥林
- % Done changed from 0 to 50

#7 - 2023-06-13 18:41 - CD BSP-杜磊

在如下log中， 屏幕灭亮都是几100m s 左右灭亮，灭亮成对出现。
亮灭屏操作都是上层调用底层接口，驱动不会自己去两灭。
000393_persist_02327_230607_130616.log

637:06-07 13:06:23.724 0 0 I [12139.681254] [drm: dsi_ctrl_hw_cm_n_video_engine_en] [msm-dsi-info]: DSI_0: MAX975X: Video engine = 0
638:06-07 13:06:23.724 0 0 I [12139.681693] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: POWERDOWN
707:06-07 13:06:23.812 0 0 I [12139.767484] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: UNBLANK
905:06-07 13:06:25.581 0 0 I [12141.538343] [drm: dsi_ctrl_hw_cm_n_video_engine_en] [msm-dsi-info]: DSI_0: MAX975X: Video engine = 0
906:06-07 13:06:25.581 0 0 I [12141.538771] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: POWERDOWN
998:06-07 13:06:25.655 0 0 I [12141.612917] [drm: dsi_ctrl_hw_cm_n_video_engine_en] [msm-dsi-info]: DSI_0: MAX975X: Video engine = 1
999:06-07 13:06:25.655 0 0 E [12141.613700] [MAX975X: max96755x_vc1_lcd_dtc_check] ERROR DTC_Display: display off, backlight not turn off, sta:1 lvl:75
1000:06-07 13:06:25.655 0 0 I [12141.614067] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: UNBLANK
1129:06-07 13:06:27.024 0 0 I [12142.983583] [drm: dsi_ctrl_hw_cm_n_video_engine_en] [msm-dsi-info]: DSI_0: MAX975X: Video engine = 0
1130:06-07 13:06:27.024 0 0 I [12142.984217] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: POWERDOWN
1212:06-07 13:06:27.106 0 0 I [12143.060994] [drm: dsi_ctrl_hw_cm_n_video_engine_en] [msm-dsi-info]: DSI_0: MAX975X: Video engine = 1
1213:06-07 13:06:27.106 0 0 I [12143.061765] [MAX975X: max96755x_drm_notifier_callback] INFO receives BLANK: UNBLANK

视频上，此时副屏没有触摸TP。

#8 - 2023-06-14 16:42 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
207279	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-dev	dulei0503@thundersoft.com
BSP:TP: Add power-key report logAdd power-key report log to record touch ghost handTC-RID: 1201-0100401IssueID: TS-R-DF-118616Change-Id: I2bf11465a81ba47bf51f35511e3962987f5373d5			

Gerrit Merge Information :

ID	Project	Branch	Uploader
207421	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-release_sorp	wangxl0510@thundersoft.com
BSP:TP: Add power-key report logAdd power-key report log to record touch ghost handTC-RID: 1201-0100401IssueID: TS-R-DF-118616Change-Id: I2bf11465a81ba47bf51f35511e3962987f5373d5(cherry picked from commit 36875d40c4f813bf39c7c8c36dcc013b8dfcab20)			

#10 - 2023-07-03 20:24 - CD TPM-王祥林

- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD TPM-王祥林 to CD TEST-方永红

jira跟踪，内部票关闭。

#11 - 2023-07-17 17:41 - CDTS_TEST 王成

- Status changed from RESOLVED to VERIFIED

此台车TP硬件故障，替换新样件复测通过

#12 - 2023-07-17 17:42 - CDTS_TEST 王成

- Status changed from VERIFIED to CLOSED

Files			
Snipaste_2023-06-07_15-50-41.png	586 KB	2023-06-07	CD TEST-方永红
Snipaste_2023-06-07_15-51-10.png	29.1 KB	2023-06-07	CD TEST-方永红
1686124772002.zip	16.7 MB	2023-06-07	CD TEST-方永红
8-130538.mp4	2.24 MB	2023-06-07	CD TEST-方永红
power.log	14.9 KB	2023-06-07	CD FW-程天颖