

Figure - Bug #118206

【IOVDEV-30153】 【内部】 【VC1】 【0095】 【台架】 【EE环境】 【副屏】 遥控器上连续进行屏保按键操作后副屏冻屏

2023-05-24 15:13 - CDTs_TEST 王成

Status:	CLOSED	Start date:	2023-05-24
Priority:	Normal	Due date:	2023-05-26
Assignee:	CDTS_TEST 王成	% Done:	100%
Category:	冻屏	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	01.00.0100
Resolution:	FIXED	Degrated:	No
Severity:	Critical	Verified Version:	
Reproducibility:	Frequently	Fixed Version:	2023-05-26
Test Type:	ST	Root cause:	屏保未完全打开时关闭屏保，导致状态出现异常无

Description	
【环境信息】 EE环境	
【问题出现时间】 ：20230524	
【前提条件】 ：副屏上电，网络正常，手机和副屏在同一网络下，高合EE账号（18629666668）登录	
【操作步骤】	
副屏冻屏	
1.进入高合EE，登录账号后，点击页面下方HiPhi ；	
2.点击应用中的“ 遥控器 ”；	
3.在副驾屏遥控器页面，连续点击“ 屏保 ”按键；	
【实际结果】	
1.副屏冻屏；	
【期望结果】	
1.副屏屏保正常开启和关闭；	
【备注】	
冻屏后副屏下电后重启，操作三次复现三次冻屏；	
安卓（Android版本）手机操作，手机型号名称：Galaxy S22+；手机型号SM-S9060；手机硬件版本号：REV1.0	
台架视频log：见附件--event.log；	
实时日志：见附件--logcat.txt;	
台架视频地址： https://ofs.human-horizons.com/#/download/index/87rilU3KD1o%3D	
【当前开机次数】 ：副屏第120、121、122共三次开机	

【应用版本】：/		
【VIN】：HRYTTESTVINMGM401		
【硬件版本号】：/		
【中控版本号】：03.02.0082.C101		
【副屏版本号】：01.00.0100		
Related issues:		
Related to Figure - Bug # 118413: 【IOVDEV-31951】 【内部】 【VC1】 ...	CLOSED	2023-06-01

History

#1 - 2023-05-24 15:15 - CDTS_TEST 王成

- File 052402bug2.mp4 added
- File logcat.txt added
- File event.log.txt added

#2 - 2023-05-24 15:15 - CDTS_TEST 王成

- Due date set to 2023-05-26

#3 - 2023-05-24 16:05 - CD FW 曹覃刚

- Status changed from New to ASSIGNED
- Assignee changed from CD FW 曹覃刚 to CD FW-程天颖

#4 - 2023-05-24 19:48 - CD FW-程天颖

- Assignee changed from CD FW-程天颖 to CD APP-王宏

Hi,王营：
请帮忙分析一下为什么屏保卡住了

#5 - 2023-05-24 20:38 - CDTS-TEST 周婷

- Category changed from CD-FW to 冻屏

#6 - 2023-05-24 22:05 - CD FW-程天颖

初步分析由于多线程操作导致记录屏保状态的数据，由于缺乏适当的同步机制或互斥锁，导致数据的一致性产生错误，使得屏保无法打开

#7 - 2023-05-24 23:15 - CD APP-王营

- Assignee changed from CD APP-王宏 to CD APP-王营

【当前状态】

复现问题，怀疑DreamService中mInteractive变量异常

```
public boolean dispatchTouchEvent(MotionEvent event) {
    // TODO: create more flexible version of mInteractive that allows clicks
    // but finish()es on any other kind of activity
    switch (event.getAction()){
        case MotionEvent.ACTION_DOWN:
            mActionDownY = event.getY();
```

```

        break;
    case MotionEvent.ACTION_UP:
        mActionUpY = event.getY();
        Slog.v(TAG, "mActionDownY = "+mActionDownY);
        Slog.v(TAG, "mActionUpY = "+mActionUpY);
        if (!mInteractive) {
            if (mDebug) Slog.v(TAG, "Waking up on touchEvent");
            if (mActionUpY < mActionDownY){
                wakeUp();
                return true;
            }
        }
        break;
    }
    return mWindow.superDispatchTouchEvent(event);
}

```

【下一步】

- 1、确认mInteractive是否在频繁操作过程中出现异常。
- 2、中控遥控器向副屏发送事件频率需要添加控制，确定一个时间间隔，过于频繁的事件是不合理的，需要drop掉。

#8 - 2023-05-25 16:45 - CD APP-王营

- % Done changed from 0 to 10

【状态】

问题原因是启动和退出屏保的动作太频繁，在屏保还没有启动完成就下发了唤醒屏保的指令，调用及变量赋值出现异常，当前有两个方案

- 1、对于这种不正常的操作进行规避，控制点击事件的点击频率，对framework层屏保的启动流程不做修改。
- 2、点击频率同样需要控制。对framework层进行控制，屏保启动流程没有结束之前不允许唤醒。

【分析】

- 1、正常启动屏保的log：

```

05-24 01:29:42.060 9655 9655 V DreamService[SystemDream]: onCreate()
05-24 01:29:42.060 9655 9655 V DreamService[SystemDream]: onBind() intent = Intent { act=android.service.dreams.DreamService flg=0x800000
cmp=com.thundercomm.screensaver/.service.SystemDream }
05-24 01:29:42.127 9655 9655 V DreamService[SystemDream]: onDreamingStarted()

```

- 2、正常退出的log：

```

05-24 01:29:42.182 9655 9655 V DreamService[SystemDream]: wakeUp(): fromSystem=true, mWaking=false, mFinished=false
05-24 01:29:42.182 9655 9655 V DreamService[SystemDream]: finish(): mFinished=false
05-24 01:29:42.322 9655 9655 V DreamService[SystemDream]: detach(): Calling onDreamingStopped()
05-24 01:29:42.322 9655 9655 V DreamService[SystemDream]: onDreamingStopped()
05-24 01:29:42.322 9655 9655 V DreamService[SystemDream]: finish(): mFinished=false
05-24 01:29:42.324 9655 9655 V DreamService[SystemDream]: onDestroy()
05-24 01:29:42.324 9655 9655 V DreamService[SystemDream]: finish(): mFinished=false

```

- 3、异常启动和退出屏保的log，onDreamingStarted没有执行完毕就进行了wakeup：

```

05-24 01:29:42.355 9655 9655 V DreamService[SystemDream]: onCreate()
05-24 01:29:42.355 9655 9655 V DreamService[SystemDream]: onBind() intent = Intent { act=android.service.dreams.DreamService flg=0x800000
cmp=com.thundercomm.screensaver/.service.SystemDream }
05-24 01:29:42.420 9655 9655 V DreamService[SystemDream]: wakeUp(): fromSystem=true, mWaking=false, mFinished=false
05-24 01:29:42.420 9655 9655 V DreamService[SystemDream]: finish(): mFinished=false

```

05-24 01:29:42.423 9655 9655 V DreamService[SystemDream]: finish(): mFinished=true
05-24 01:29:42.425 9655 9655 V DreamService[SystemDream]: onDestroy()
05-24 01:29:42.425 9655 9655 V DreamService[SystemDream]: finish(): mFinished=true
05-24 01:29:42.489 9655 9655 V DreamService[SystemDream]: onDreamingStarted()

【下一步】

确认方案

#9 - 2023-05-25 19:16 - CD APP-王营
- Assignee changed from CD APP-王营 to CD FW-程天颖

Hi 天颖,
如沟通, 结合log情况, 采用方案1, 时间间隔定为500ms

#10 - 2023-05-25 21:34 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
202720	general/platform/frameworks/base	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	ying.wang@thundersoft.com
AF: ScreenSaver: Optimize dream wake up process1.If dream start process is not finished you can not wake up it.TC-RID: 0301-0300601IssueID: TS-R-BUG-118206Change-Id: I50a026ba6d457215ca264447d91c9d3399742238			

#11 - 2023-05-25 22:40 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
202717	general/platform/vendor/thundercom/apps/RemoteControlServer	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tianying.cheng@thundersoft.com
AF:RemoteControl: Server - Abandon too frequently screensaver event1.Abandon too frequently screensaver eventTC-RID: 1201-0206001IssueID: TS-R-BUG-118206Change-Id: I210bba324b47fbc8a607bd4e46edab37cabfaee2			

#12 - 2023-05-25 22:40 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
202724	general/platform/vendor/thundercom/apps/RemoteControlClients	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tianying.cheng@thundersoft.com

AF:RemoteControl: Android - Abandon too frequently key event1.Abandon too frequently key eventTC-RID: 1201-0206002IssueID: TS-R-BUG-118206Change-Id: I71eb6884d10f9e4ecc0781974ea3d0b6408c1ca5

#13 - 2023-05-25 22:41 - CD FW-程天颖

- Assignee changed from CD FW-程天颖 to CD APP-王营
- % Done changed from 10 to 30

遥控器已修改

#14 - 2023-05-26 09:37 - CD FW-程天颖

- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD APP-王营 to CDTS_TEST 王成
- Resolution changed from -- to FIXED
- Fixed Version set to 2023-05-26

■ Current conclusion

bug已解决

■ My analysis

屏保未完全打开时关闭屏保，导致状态出现异常无法关闭

解决方案：

- 1.遥控器限制key事件的频率
- 2.屏保服务在屏保未完全打开时禁止关闭屏保

■ Submit URL

<https://dev.thundercomm.com/gerrit/c/general/platform/frameworks/base/+202720>

<https://dev.thundercomm.com/gerrit/c/general/platform/vendor/thundercomm/apps/RemoteControlClients/+202724>

<https://dev.thundercomm.com/gerrit/c/general/platform/vendor/thundercomm/apps/RemoteControlServer/+202717>

#15 - 2023-05-26 09:38 - CD FW-程天颖

- % Done changed from 30 to 100
- Degrated changed from -- to No
- Root cause set to 屏保未完全打开时关闭屏保，导致状态出现异常无法关闭

#16 - 2023-05-26 15:10 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
202823	general/platform/vendor/thundercomm/apps/RemoteControlClients	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tao.liao@thundersoft.com
AF:RemoteControl: iOS - Add TOO FREQUENTLY error code support.TC-RID: 1201-0206003IssueID: TS-R-BUG-118206Change-Id: I1ff3bfabad401604595af690f565c26ee02c2e52			

#17 - 2023-05-27 17:36 - 物联网测试组_CDTS 唐霞

- Status changed from RESOLVED to NEED_INFO

客户提供的账号15101135968/123456
使用FlatBuild_HH_MCE_FSE.M.D.user.01.00.C103.202305270101版本验证20次未复现

#18 - 2023-05-27 18:04 - 物联网测试组_CDTS 唐霞
- Status changed from NEED_INFO to RESOLVED

#19 - 2023-06-02 18:38 - CD TEST-方永红
- Status changed from RESOLVED to VERIFIED

6.2
暂未复现，先关闭

#20 - 2023-06-02 18:38 - CD TEST-方永红
- Status changed from VERIFIED to CLOSED

Files				
052402bug2.mp4	7.5 MB	2023-05-24	CDTS_TEST 王成	
logcat.txt	3.8 MB	2023-05-24	CDTS_TEST 王成	
event.log.txt	175 KB	2023-05-24	CDTS_TEST 王成	