

Status:	ASSIGNED	Start date:	2023-05-31
Priority:	Normal	Due date:	
Assignee:	CD TPM-王祥林	% Done:	10%
Category:	BSP	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	0102 user->0106 userdebug
Resolution:	--	Degrated:	--
Severity:	Normal	Verified Version:	
Reproducibility:	Every time	Fixed Version:	
Test Type:	ST	Root cause:	
Description			
Description			
前置条件：			
初始未正常启动的user版本			
操作步骤：			
1、烧写userdebug版本			
2、上电开机			
实际结果：			
1、开机后黑屏，重新插拔恢复			
预期结果：			
1、开机后正常显示			

History

#1 - 2023-05-31 14:44 - 移动测试一组_CDTS 刘强

移动测试一组_CDTS 刘强 wrote:

Description
前置条件：
初始为正常启动的user版本
操作步骤：
1、烧写userdebug版本
2、上电开机
实际结果：
1、开机后黑屏，重新插拔恢复
预期结果：
1、开机后正常显示

#2 - 2023-05-31 14:49 - 移动测试一组_CDTs 刘强

- File kernel.txt added
- File all.txt added

#3 - 2023-05-31 17:59 - CD BSP-余霄

```
01-01 08:00:33.497 0 0 I [ 15.044838] [MAX975X: max96755g_probe] INFO begin
01-01 08:00:33.497 0 0 D [ 15.049855] cnss: iommu_geometry: 0
01-01 08:00:33.497 0 0 I : [ 15.055514] max96755g 0-0040: Linked as a consumer to regulator.52
01-01 08:00:33.497 0 0 D [ 15.063172] cnss: PCIe DRV is supported
01-01 08:00:33.497 0 0 I : [ 15.063347] cnss_pci 0000:01:00.0: BAR 0: assigned [mem 0x60300000-0x603ffff 64bit]
01-01 08:00:33.497 0 0 E : [ 15.132346] i2c_geni 980000.i2c: i2c error :-107
01-01 08:00:33.497 0 0 I : [ 15.135247] pci-msm-rc 0000:00:00.0: enabling device (0006 -> 0007)
01-01 08:00:33.497 0 0 E [ 15.143060] [MAX975X: max96755g_write_byte] ERROR Failed to write dev:0x4c addr:0x0206 value:0xa3
01-01 08:00:33.497 0 0 I [ 15.143064] [MAX975X: max96755x_touch_init] INFO VX1 GPIO Pass
01-01 08:00:33.497 0 0 E : [ 15.143329] i2c_geni 980000.i2c: i2c error :-107
01-01 08:00:33.498 0 0 I : [ 15.149074] cnss_pci 0000:01:00.0: enabling device (0000 -> 0002)
01-01 08:00:33.498 0 0 E [ 15.156506] [MAX975X: max96755g_write_byte] ERROR Failed to write dev:0x4c addr:0x0002 value:0x43
01-01 08:00:33.498 0 0 E : [ 15.156770] i2c_geni 980000.i2c: i2c error :-107
01-01 08:00:33.498 0 0 D [ 15.164466] cnss: Config PCIe remap window register to 0x4000003f
01-01 08:00:33.498 0 0 E [ 15.169641] [MAX975X: max96755g_write_byte] ERROR Failed to write dev:0x4c addr:0x0218 value:0x84
01-01 08:00:33.498 0 0 D [ 15.176150] cnss: Read register offset 0x1f8031c, val = 0x6
01-01 08:00:33.498 0 0 E : [ 15.183196] i2c_geni 980000.i2c: i2c error :-107
01-01 08:00:33.498 0 0 D [ 15.188423] cnss: Write val 0x2 to register offset 0x1f8031c
01-01 08:00:33.498 0 0 E [ 15.195754] [MAX975X: max96755g_write_byte] ERROR Failed to write dev:0x4c addr:0x0219 value:0xa8
01-01 08:00:33.498 0 0 E : [ 15.196018] i2c_geni 980000.i2c: i2c error :-107
01-01 08:00:33.498 0 0 D [ 15.205088] cnss: MSI base data is 800
01-01 08:00:33.498 0 0 E [ 15.206921] [MAX975X: max96755g_write_byte] ERROR Failed to write dev:0x4c addr:0x021a value:0x09
01-01 08:00:33.498 0 0 D [ 15.213027] cnss: BAR starts at 0x0000000060300000, len-100000
01-01 08:00:33.498 0 0 I [ 15.286712] [MAX975X: max96755g_probe] INFO successfully
```

i2c通信报错，开机插拔后恢复，怀疑和硬件或线缆连接有关

#4 - 2023-05-31 18:10 - 移动测试一组_CDTs 刘强

烧写user版本不复现问题

#5 - 2023-05-31 18:21 - CD BSP-杜磊

- Status changed from New to ASSIGNED

user版本开机时间较短，userdebug版本开机时间较长，可能与VX1屏幕的心跳机制有关，超过大概20s,没有写入心跳包，屏幕会自动黑屏。
VX的问题延后处理，优先VC

#6 - 2023-06-06 13:43 - CD BSP-杜磊

- Assignee changed from CD BSP- 杜磊 to CD TPM- 王祥林
- % Done changed from 0 to 10

使用0606的userdebug版本进行验证，从一上电到kernel阶段显示驱动初始化所花时长为21秒，而VX1的lcd 内部有心跳机制，需要每隔18s写一次寄存器。

而userdebug版本开机时间较长，大于18S,导致心跳包发送超时而发生黑屏。心跳机制时长是VX1 lcd内部规定，主机控制器无法更改。

需要优化userdebug版本开机时长，其中在aboot阶段花费时间较长，需要做系统优化。

PS: user版本开机正常，因为user版本开机时间短

#7 - 2023-06-07 20:52 - CD TPM-王祥林
- Status changed from ASSIGNED to NEED_INFO

userdebug版本不是交付版本，优先级降低暂不处理。

#8 - 2023-08-24 16:43 - CDTS_TEST 王成
- Status changed from NEED_INFO to ASSIGNED

Files				
kernel.txt	604 KB	2023-05-31	移动测试一组_CDTS 刘强	
all.txt	2.27 MB	2023-05-31	移动测试一组_CDTS 刘强	