

Status:	CLOSED	Start date:	2023-01-09
Priority:	High	Due date:	2023-02-14
Assignee:	移动测试一组_CDTS 刘强	% Done:	10%
Category:	CD-FW	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.2
Resolution:	FIXED	Degrated:	--
Severity:	Major	Verified Version:	
Reproducibility:	Occasionally	Fixed Version:	
Test Type:	ST	Root cause:	从EventHub读取的坐标没有问题,但是在android_v
Description			
【前提条件】 1.设备刷机 2."开发者选项 " ->开启"显示点按操作反馈"和开启"指针位置" 【测试步骤】 1.快速向右滑动"音量"进度条从静音到100%（0.6秒）内完成 【预期结果】 1.音量能够滑动至100% 【实际结果】 1.低概率出现，滑动到95%（见截图），且触点已超过音量进度条。偶现跳转到100%后又跳转回95% 【复现概率】 低概率			

History
#1 - 2023-01-11 14:17 - CD BSP-杜磊
- Status changed from New to ASSIGNED
- Assignee changed from CD BSP-杜磊 to CD FW詹朝林
#2 - 2023-01-11 14:22 - CD BSP-杜磊
- Assignee changed from CD FW詹朝林 to CD FW 曹覃刚
#3 - 2023-01-11 21:12 - CD FW 曹覃刚
- Due date set to 2023-01-20
- Category changed from BSP to CD-FW
#4 - 2023-01-17 11:36 - CD FW 曹覃刚
- Due date changed from 2023-01-20 to 2023-02-03
#5 - 2023-01-28 17:27 - CD FW 曹覃刚
■ 当前的状态
1.当滑动速度过快时会出现这个问题
2.不仅限于音量的调节，测试过三方应用的seekbar，有同样的问题

■ 分析过程

seekbar的共通问题, 猜测可能是由如下原因导致

硬件或硬件驱动存在问题, 导致上传的move事件存在问题, 大概率

■ 下一步解析计划

定位问题的原因

#6 - 2023-01-29 10:36 - CD FW 曹覃刚

- Category changed from CD-FW to BSP

- Assignee changed from CD FW 曹覃刚 to CD BSP- 杜磊

Hi 磊哥

■ 问题发生的条件

1.当滑动速度过快时会出现这个问题

2.不仅限于音量的调节, 测试过三方应用的seekbar, 有同样的问题, 这与上层view的实现没有关系

■ 我的分析

通过复写seekbar的事件分发方法, 得到下列日志

正常时:

normal:

01-12 18:41:27.285 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_DOWN, actionButton=0, id=0, x=577.0, y=33.0, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=0, eventTime=69018806, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=86322370 }

01-12 18:41:27.300 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=577.0, y=33.0, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=69018818, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=520207177 }

01-12 18:41:27.325 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=581.92175, y=31.769562, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=2, eventTime=69018846, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=807356331 }

01-12 18:41:27.348 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=597.5467, y=29.408875, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=69018869, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=799919784 }

01-12 18:41:27.368 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=618.82794, y=26.90799, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=2, eventTime=69018886, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=597182299 }

01-12 18:41:27.385 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=649.58984, y=24.472809, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=69018902, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=859824179 }

01-12 18:41:27.398 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=714.16064, y=23.517487, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=69018919, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=526459506 }

01-12 18:41:27.415 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=792.7516, y=24.0, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=69018936, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=578206172 }

01-12 18:41:27.431 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=885.75085, y=26.721191, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=69018953, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=111520845 }

01-12 18:41:27.448 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=994.51575, y=32.83423, toolType=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=2, eventTime=69018970, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=324499859 }

01-12 18:41:27.465 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id=0, x=1090.9684, y=

=41.589874, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=69018986, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=812945960 }

01-12 18:41:27.498 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=1138.0, y⁰=48.0, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=0, eventTime=69019003, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=116898864 }

01-12 18:41:27.524 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_UP, actionButton=0, id⁰=0, x⁰=1138.0, y⁰=48.0, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=0, eventTime=69019051, downTime=69018806, deviceId=3, source=0x5002, displayId=0, eventId=796325273 }

问题发生时：

01-12 18:40:34.512 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_DOWN, actionButton=0, id⁰=0, x⁰=608.0, y⁰=34.0, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=0, eventTime=68966032, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=494344280 }

01-12 18:40:34.538 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=608.0, y⁰=34.0, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=2, eventTime=68966059, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=205377627 }

01-12 18:40:34.554 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=608.0, y⁰=32.76999, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=68966075, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=494868632 }

01-12 18:40:34.571 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=608.0, y⁰=32.76999, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=68966092, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=176140587 }

01-12 18:40:34.587 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=608.0, y⁰=32.76999, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=68966109, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=165854478 }

01-12 18:40:34.604 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=629.1369, y⁰=39.406036, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=2, eventTime=68966125, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=366882695 }

01-12 18:40:34.638 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=800.3111, y⁰=67.27191, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=2, eventTime=68966160, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=1070325658 }

01-12 18:40:34.655 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=925.511, y⁰=76.897095, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=68966176, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=861998327 }

01-12 18:40:34.673 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=1084.4767, y⁰=82.56378, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=2, eventTime=68966193, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=1058644787 }

01-12 18:40:34.688 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=1238.4961, y⁰=85.83948, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=68966209, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=274929179 }

01-12 18:40:34.705 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=1414.0, y⁰=101.5, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=68966225, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=286953440 }

01-12 18:40:34.722 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_MOVE, actionButton=0, id⁰=0, x⁰=1545.5, y⁰=127.5, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=1, eventTime=68966243, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=127277533 }

01-12 18:40:34.762 16921 16921 D cqg0129 : TestSeekBar onTouchEvent event = MotionEvent { action=ACTION_UP, actionButton=0, id⁰=0, x⁰=1478.0, y⁰=117.0, toolType⁰=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=0, eventTime=68966288, downTime=68966032, deviceId=3, source=0x5002, displayId=0, eventId=24245025 }

差异点在于，滑动后离开屏幕的点(ACTION_UP)，相较于前一个点的位置。(由于是水平向右滑动，主要检查X坐标的点位)

正常时->ACTION_UP的X坐标点与前一个ACTION_MOVE的X坐标点相同或者差距很小

异常时->ACTION_UP的X坐标点与前一个ACTION_MOVE的X坐标点，差距较大，有几十的像素点，且小于前一个ACTION_MOVE的X点。这个导致了

跳转回到之前点位的问题

结合发生的条件以及分析

滑动过快时，上报滑动事件的坐标点存在异常

■ 下一步解析计划

请BSP的同学帮助检查，滑动过快时，上报事件坐标点异常的问题

#7 - 2023-01-29 15:59 - CD BSP-杜磊

- Assignee changed from CD BSP-杜磊 to CD FW 曹覃刚

- % Done changed from 0 to 10

Hi, 覃刚，

通过adb shell getevent -rlt 来查看tp的上报坐标，发生此问题时，未出现tp掉点，且x轴坐标是一直变大的，未出现跳点。帮忙查看上层android是否有对坐标做处理。

```
[ 2273.859351] /dev/input/event2: EV_KEY   BTN_TOUCH   DOWN
[ 2273.859351] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 1
[ 2273.866088] /dev/input/event2: EV_ABS   ABS_MT_POSITION_X  000007d6
[ 2273.866088] /dev/input/event2: EV_ABS   ABS_MT_POSITION_Y  00000198
[ 2273.866088] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 148
[ 2273.876309] /dev/input/event2: EV_ABS   ABS_MT_POSITION_X  000007ec
[ 2273.876309] /dev/input/event2: EV_ABS   ABS_MT_POSITION_Y  00000195
[ 2273.876309] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 97
[ 2273.886796] /dev/input/event2: EV_ABS   ABS_MT_POSITION_X  00000822
[ 2273.886796] /dev/input/event2: EV_ABS   ABS_MT_POSITION_Y  0000018d
[ 2273.886796] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 95
[ 2273.897388] /dev/input/event2: EV_ABS   ABS_MT_POSITION_X  0000086b
[ 2273.897388] /dev/input/event2: EV_ABS   ABS_MT_POSITION_Y  00000186
[ 2273.897388] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 94
[ 2273.907823] /dev/input/event2: EV_ABS   ABS_MT_POSITION_X  000008c2
[ 2273.907823] /dev/input/event2: EV_ABS   ABS_MT_POSITION_Y  0000017f
[ 2273.907823] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 95
[ 2273.918308] /dev/input/event2: EV_ABS   ABS_MT_POSITION_X  00000925
[ 2273.918308] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 95
[ 2273.928653] /dev/input/event2: EV_ABS   ABS_MT_POSITION_X  00000991
[ 2273.928653] /dev/input/event2: EV_ABS   ABS_MT_POSITION_Y  00000184
[ 2273.928653] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 96
[ 2273.965899] /dev/input/event2: EV_ABS   ABS_MT_TRACKING_ID  ffffffff
[ 2273.965899] /dev/input/event2: EV_KEY   BTN_TOUCH   UP
[ 2273.965899] /dev/input/event2: EV_SYN   SYN_REPORT  00000000    rate 26
```

#8 - 2023-01-30 09:33 - CD FW 曹覃刚

- Category changed from BSP to CD-FW

#9 - 2023-02-02 19:25 - CD FW 曹覃刚

- Due date changed from 2023-02-03 to 2023-02-09

#10 - 2023-02-07 20:03 - CD FW 曹覃刚

- Due date changed from 2023-02-09 to 2023-02-14

- Assignee changed from CD FW 曹覃刚 to CD FW- 鲁凯峰

#11 - 2023-02-09 17:22 - CD FW- 鲁凯峰

■ Current conclusion

问题已经解决

■ My analysis

从EventHub读取的坐标没有问题,但是在android_view_InputEventReceiver.cpp#consumeEvents转化坐标时出现了异常,由于JNI层调查困难,直接在上层规避此问题

不在AbsSeekBar的ACTION_UP事件中处理坐标来更新SeekBar的Progress

■ Submit URL

<https://dev.thundercomm.com/gerrit/c/general/platform/frameworks/base/+180600>

#12 - 2023-02-10 20:14 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
180600	general/platform/frameworks/base	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	lukf0916@thundersoft.com
AF:QuickSettings: fix seekbar scroll backwhen fast moving seekbar, it will fall backTC-RID: 1201-0201903IssueID: TS-R-BUG-115181Change-Id: I1751b436b0bf70ab253f6ddb593e28773605f51			

#13 - 2023-02-10 20:15 - CD FW- 鲁凯峰

- Status changed from ASSIGNED to RESOLVED

- Assignee changed from CD FW- 鲁凯峰 to CDTS_TEST 刘勇

- Resolution changed from -- to FIXED

- Root cause set to 从EventHub读取的坐标没有问题,但是在android_view_InputEventReceiver.cpp#consumeEvents转化坐标时出现了异常,由于JNI层调查困难,直接在上层规避此问题

#14 - 2023-02-15 16:39 - CDTS_TEST 王成

- Assignee changed from CDTS_TEST 刘勇 to 移动测试一组_CDTS 刘强

#15 - 2023-02-15 19:17 - 移动测试一组_CDTS 刘强

- File screen-20230215-021223.mp4 added

- Status changed from RESOLVED to VERIFY_FAILED

- Assignee changed from 移动测试一组_CDTS 刘强 to CD FW- 鲁凯峰

验证版本：FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.202302150106

验证结果：仍然复现

详情见附件视频最后一次验证

#16 - 2023-02-15 20:40 - CD FW 曹覃刚

- Assignee changed from CD FW- 鲁凯峰 to 移动测试一组_CDTS 刘强

Hi 强哥

问题本身现象，回弹的问题已经修复

视频中滑动位置与蓝色轨迹偶尔有差距的现象是正常的，且无法改善的，基于下列原因

- 1.对比联想的板子，一样的有这个现象，是原生现象，请参考飞书提供给您的截图
- 2.用户根本无法感知到这一现象，对用户的使用没有任何影响
- 3.这一现象发生的条件，需要快速滑动，即使快速滑动，也很少会出现

#17 - 2023-02-20 15:30 - 移动测试一组_CDTS 刘强

- Status changed from VERIFY_FAILED to VERIFIED

根据以上验证结果和RD备注，回弹问题已经修复，关闭此issue

#18 - 2023-02-20 15:30 - 移动测试一组_CDTS 刘强

- Status changed from VERIFIED to CLOSED

Files			
中科创达软件股份有限公司20230109-160952.jpg	94.6 KB	2023-01-09	CDTS_TEST 刘勇
Touch-f.txt	4.84 MB	2023-01-09	CDTS_TEST 刘勇
screen-20230215-021223.mp4	8.29 MB	2023-02-15	移动测试一组_CDTS 刘强