

Figure - Bug #113906

测试 Test-IT # 110961 (New): V2.0功能测试
测试 Test-IT # 111049 (New): AF-V2.0-副屏遥控器

【AF】【EVT】【遥控器】连接蓝牙后，立即使用遥控器进行音量调节，调节失败

2022-11-11 15:27 - CD TEST-方永红

Status:	CLOSED	Start date:	2022-11-11
Priority:	Normal	Due date:	
Assignee:	CD TEST-方永红	% Done:	100%
Category:	CD-FW	Estimated time:	0.00 hour
Target version:		Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.2
Need_Info:	--	Degrated:	No
Resolution:	--	Verified Version:	FlatBuild_HH_VX1_MCE_FSE.M.R.user.01.00.0051.X
Severity:	Normal	Fixed Version:	2022-11-22
Reproducibility:	Every time	Root cause:	在蓝牙连接状态改变时，SystemUI收到连接设备改
Test Type:	IT		
Description			
【前提条件】 1、设备已开机			
【测试步骤】 1、手机与设备连接同一WIFI 2、在手机中利用遥控器连接设备 3、设备连接一个蓝牙耳机 4、进行音量加减操作			
【预期结果】 3、点击音量加或者音量减时，音量调节条做出相应反应			
【实际结果】 3、连接蓝牙耳机时第一次唤出音量条，音量调节失效			
PS:关闭蓝牙后第一次唤出音量条，也无法调节音量			

History

#1 - 2022-11-16 17:41 - CDTS_TEST 王成

- Priority changed from Normal to High
- Severity changed from Normal to Critical

#2 - 2022-11-17 11:48 - CD MM陈海波

- Priority changed from High to Normal
- Severity changed from Critical to Normal

这个问题推测和system ui相关, 具体的信息如下:

控制音量面板的实现在system ui中. 当问题产生时, System ui将控制面貌的streamType调控成了STREAM_BLUETOOTH_SCO, 导致问题产生. 具体的log信息:

```
//连接蓝牙:  
11-11 05:58:37.774 1514 1514 I AS.BtHelper: setBtScoActiveDevice: XX:XX:XX:71:EB:E4 -> (null)
```

```
11-11 05:58:37.787 1514 1514 W AS.AudioDeviceInventory: handleDeviceConnection() failed, deviceKey=0x20:00:00:00:00:00, deviceSpec=null, connect=false
11-11 05:58:37.788 1514 1514 W AS.AudioDeviceInventory: handleDeviceConnection() failed, deviceKey=0x40:00:00:00:00:00, deviceSpec=null, connect=false
...
//SystemUI调用forceVolumeControlStream, 将stream设置为: STREAM_BLUETOOTH_SCO
11-11 05:58:38.039 1998 2502 I vol.Events: writeEvent active_stream_changed STREAM_BLUETOOTH_SCO
11-11 05:58:38.039 1514 10321 D AS.AudioService: forceVolumeControlStream cb:android.os.BinderProxy@21dce65 is already linked.
11-11 05:58:41.635 1514 2080 D MediaSessionService: dispatchVolumeKeyEvent, pkg=com.android.settings, opPkg=com.android.settings, pid=13326, uid=1000, asSystem=true, event=KeyEvent { action=ACTION_DOWN, keyCode=KEYCODE_VOLUME_UP, scanCode=0, metaState=0, flags=0x0, repeatCount=0, eventTime=4337039, downTime=4337039, deviceId=-1, source=0x101, displayId=-1 }, stream=-2147483648, musicOnly=false
11-11 05:58:41.635 1514 2080 D MediaSessionService: Adjusting suggestedStream=-2147483648 by 1. flags=4113, preferSuggestedStream=false, session=null
//volume_changed, streamType为STREAM_BLUETOOTH_SCO, 问题应该产生再这儿.
11-11 05:58:41.636 1514 1514 I volume_changed: [6,7,8,15,android]
11-11 05:58:41.639 1998 2502 I vol.Events: writeEvent level_changed STREAM_BLUETOOTH_SCO 8
11-11 05:58:41.640 1998 2502 I vol.Events: writeEvent key STREAM_BLUETOOTH_SCO 8
//重新按键
11-11 05:58:45.092 1514 2080 D MediaSessionService: dispatchVolumeKeyEvent, pkg=com.android.settings, opPkg=com.android.settings, pid=13326, uid=1000, asSystem=true, event=KeyEvent { action=ACTION_DOWN, keyCode=KEYCODE_VOLUME_UP, scanCode=0, metaState=0, flags=0x0, repeatCount=0, eventTime=4340496, downTime=4340496, deviceId=-1, source=0x101, displayId=-1 }, stream=-2147483648, musicOnly=false
11-11 05:58:45.092 1514 2080 D MediaSessionService: Adjusting suggestedStream=-2147483648 by 1. flags=4113, preferSuggestedStream=false, session=null
11-11 05:58:45.097 1514 9595 D MediaSessionService: dispatchVolumeKeyEvent, pkg=com.android.settings, opPkg=com.android.settings, pid=13326, uid=1000, asSystem=true, event=KeyEvent { action=ACTION_UP, keyCode=KEYCODE_VOLUME_UP, scanCode=0, metaState=0, flags=0x0, repeatCount=0, eventTime=4340496, downTime=4340496, deviceId=-1, source=0x101, displayId=-1 }, stream=-2147483648, musicOnly=false
11-11 05:58:45.098 1514 9595 D MediaSessionService: Adjusting suggestedStream=-2147483648 by 0. flags=4116, preferSuggestedStream=false, session=null
//stream使用的是: STREAM_MUSIC, 正常
11-11 05:58:45.102 1514 1514 I volume_changed: [3,25,26,39,android]
11-11 05:58:45.108 1998 2502 I vol.Events: writeEvent level_changed STREAM_RING 5
```

针对此问题, 需要systemui 研究下, 是否为正常的逻辑以及如何处理.

谢谢!

#3 - 2022-11-17 11:50 - CD MM陈海波

- Category changed from AUDIO-FW to CD-FW
- Assignee changed from CD MM陈海波 to CD FW-王伟

#4 - 2022-11-17 14:19 - CD FW-王伟

- Assignee changed from CD FW-王伟 to CD FW-程天颖

#5 - 2022-11-22 16:38 - CD FW-程天颖

- Status changed from New to RESOLVED
- Assignee changed from CD FW-程天颖 to CD TEST-方永红
- % Done changed from 0 to 100
- Degraded changed from -- to No
- Fixed Version set to 2022-11-22
- Root cause set to 在蓝牙连接状态改变时, SystemUI收到连接设备改变的广播, 然后进行一系列设置, 由于更新连接设备设备, System更新了当前Stream的状态, 导致下一次更改声音时, 更新当Stream与接收到的一致, 导致没有更新音量条, 所以是灰色的

■ Current conclusion

bug is fixed

■ My analysis

在蓝牙连接状态改变时，SystemUI收到连接设备改变的广播，然后进行一系列设置，由于更新连接设备设备，System更新了当前Stream的状态，导致下一次更改声音时，更新当Stream与接收到的一致，导致没有更新音量条，所以是灰色的

■ Submit URL

<https://dev.thundercomm.com/gerrit/c/general/platform/frameworks/base/+164333>

#6 - 2022-11-24 17:44 - CD TEST-方永红

- Status changed from *RESOLVED* to *VERIFIED*
- Verified Version set to *FlatBuild_HH_VX1_MCE_FSE.M.R.user.01.00.0051.X101*

11.24
验证通过

#7 - 2022-11-24 17:44 - CD TEST-方永红

- Status changed from *VERIFIED* to *CLOSED*

#8 - 2022-12-22 20:54 - CD FW-王伟

Gerrit Merge Information :

ID	Project	Branch	Uploader
164333	general/platform/frameworks/base	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tianying.cheng@thundersoft.com
AF:QuickSettings:Volume adjustment failed1.After connecting Bluetooth, immediately use the remote control to adjust the volume, the adjustment failsTC-RID: 1201-0201903IssueID: TS-R-BUG-113906Change-Id: I7bf9edf391196159f0b5f731bce9e9b897ffbc95			

Files

logcat.txt	4.62 MB	2022-11-11	CD TEST-方永红
111.zip	8.42 MB	2022-11-11	CD TEST-方永红