

Figure - Bug #118800

测试 Test-IT # 110961 (New): V2.0功能测试
测试 Test-IT # 112101 (New): AF-V2.0-Launcher/SystemUI-控制中心

【AF】 【EVT3】 【控制中心】 断开蓝牙迅速调节音量条，短暂出现上划不响应，随后出现系统ANR提示

2023-06-15 16:35 - CD TEST-方永红

Status:	CLOSED	Start date:	2023-06-15
Priority:	Normal	Due date:	
Assignee:	物联网测试组_TSCD 王维	% Done:	0%
Category:	AUDIO-FW	Estimated time:	0.00 hour
Target version:		Found Version:	0110.C105
Need_Info:	--	Degrated:	--
Resolution:	--	Verified Version:	0136
Severity:	Critical	Fixed Version:	
Reproducibility:	Rarely	Root cause:	
Test Type:	ST		
Description			
【问题出现时间】：20230615 16：13			
【操作步骤】			
1、打开控制中心			
2、断开蓝牙			
3、调节音量条			
4、上划关闭控制中心			
【实际结果】			
4、短时间（约5秒内），不响应任何手势，随后出现系统ANR提示			
Related issues:			
Related to Figure - Bug # 118880: 【AF】 【EVT3】 【IOVDEV-33961...			CLOSED 2023-06-21

History

- #1 - 2023-06-15 17:27 - CD TEST-方永红
- Severity changed from Major to Critical
- #2 - 2023-06-15 19:37 - CD FW 曹覃刚
- Category changed from CD-FW to AUDIO-FW
- Assignee changed from CD FW 曹覃刚 to Multimedia组-RD3_TSCD 梁卿山

我的分析

①主线程在设置音量，与AudioService通信未返回

"main" prio=5 tid=1 Native | group="main" sCount=1 ucsCount=0 flags=1 obj=0x726a9c98 self=0xb400007938199010 | sysTid=1924 nice=-10 cgrp=default sched=0/0 handle=0x7af90ce4f8 | state=S schedstat=(3385624277 1955848706 11732) utm=264 stm=73 core=4 HZ=100 | stack=0x7fd731d000-0x7fd731f000 stackSize=8188KB | held mutexes=

native: #00 pc 00000000000a1c88 /apex/com.android.runtime/lib64/bionic/libc.so (__ioctl+8)

native: #01 pc 000000000005b8d4 /apex/com.android.runtime/lib64/bionic/libc.so (ioctl+156)

native: #02 pc 0000000000053070 /system/lib64/libbinder.so (android::IPCThreadState::talkWithDriver(bool)+292)

native: #03 pc 00000000000542ac /system/lib64/libbinder.so (android::IPCThreadState::waitForResponse(android::Parcel*, int*)+64)

native: #04 pc 0000000000053ff0 /system/lib64/libbinder.so (android::IPCThreadState::transact(int, unsigned int, android::Parcel const&, android::Parcel*, unsigned int)+224)

native: #05 pc 000000000004bafc /system/lib64/libbinder.so (android::BpBinder::transact(unsigned int, android::Parcel const&, android::Parcel*, unsigned int)+196)
native: #06 pc 0000000000167664 /system/lib64/libandroid_runtime.so (android_os_BinderProxy_transact(_JNIEnv*, _jobject*, int, _jobject*, _jobject*, int)+156)
at android.os.BinderProxy.transactNative(Native method)
at android.os.BinderProxy.transact(BinderProxy.java:571)
at android.media.IAudioService\$Stub\$Proxy.setStreamVolume(IAudioService.java:3262)
at android.media.AudioManager.setStreamVolume(AudioManager.java:1248)
at com.android.systemui.settings.volume.VolumeController.onChanged(VolumeController.java:97)
at com.android.systemui.settings.volume.VolumeSlide.onStopTrackingTouch(VolumeSlide.java:79)
at android.widget.SeekBar.onStopTrackingTouch(SeekBar.java:127)
at android.widget.AbsSeekBar.onTouchEvent(AbsSeekBar.java:936)
at android.view.View.dispatchTouchEvent(View.java:14541)
at android.view.ViewGroup.dispatchTransformedTouchEvent(ViewGroup.java:3120)
at android.view.ViewGroup.dispatchTouchEvent(ViewGroup.java:2801)
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at android.view.ViewGroup.dispatchTransformedTouchEvent(ViewGroup.java:3120)
at android.view.ViewGroup.dispatchTouchEvent(ViewGroup.java:2801)
at com.android.systemui.statusbar.phone.NotificationShadeWindowView.dispatchTouchEvent(NotificationShadeWindowView.java:176)
at android.view.View.dispatchPointerEvent(View.java:14800)
at android.view.ViewRootImpl\$ViewPostImeInputStage.processPointerEvent(ViewRootImpl.java:6362)
at android.view.ViewRootImpl\$ViewPostImeInputStage.onProcess(ViewRootImpl.java:6163)
at android.view.ViewRootImpl\$InputStage.deliver(ViewRootImpl.java:5641)
at android.view.ViewRootImpl\$InputStage.onDeliverToNext(ViewRootImpl.java:5698)
at android.view.ViewRootImpl\$InputStage.forward(ViewRootImpl.java:5664)
at android.view.ViewRootImpl\$AsyncInputStage.forward(ViewRootImpl.java:5829)
at android.view.ViewRootImpl\$InputStage.apply(ViewRootImpl.java:5672)
at android.view.ViewRootImpl\$AsyncInputStage.apply(ViewRootImpl.java:5886)
at android.view.ViewRootImpl\$InputStage.deliver(ViewRootImpl.java:5645)
at android.view.ViewRootImpl\$InputStage.onDeliverToNext(ViewRootImpl.java:5698)
at android.view.ViewRootImpl\$InputStage.forward(ViewRootImpl.java:5664)
at android.view.ViewRootImpl\$InputStage.apply(ViewRootImpl.java:5672)
at android.view.ViewRootImpl\$InputStage.deliver(ViewRootImpl.java:5645)
at android.view.ViewRootImpl.deliverInputEvent(ViewRootImpl.java:8585)
at android.view.ViewRootImpl.doProcessInputEvents(ViewRootImpl.java:8536)
at android.view.ViewRootImpl.enqueueInputEvent(ViewRootImpl.java:8504)
at android.view.ViewRootImpl\$WindowInputEventReceiver.onInputEvent(ViewRootImpl.java:8718)
at android.view.InputEventReceiver.dispatchInputEvent(InputEventReceiver.java:260)
at android.os.MessageQueue.nativePollOnce(Native method)
at android.os.MessageQueue.next(MessageQueue.java:335)

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at android.os.Looper.loopOnce(Looper.java:161)
at android.os.Looper.loop(Looper.java:288)
at android.app.ActivityThread.main(ActivityThread.java:7880)
at java.lang.reflect.Method.invoke(Native method)
at com.android.internal.os.RuntimeInit$MethodAndArgsCaller.run(RuntimeInit.java:548)
at com.android.internal.os.ZygoteInit.main(ZygoteInit.java:1009)
```

②设置音量在等待lock，被block，锁被tid=94持有

```
"Binder:1549_7" prio=5 tid=131 Blocked | group="main" sCount=1 ucsCount=0 flags=1 obj=0x13f82fd0 self=0xb4000079382ce6b0 | sysTid=2047 nice=-10 cgrp=default
sched=0/0 handle=0x76a3592cb0 | state=S schedstat=( 457984732 326632761 2321 ) utm=31 stm=13 core=4 HZ=100 | stack=0x76a349b000-0x76a349d000
stackSize=991KB | held mutexes=
at com.android.server.audio.AudioService.isStreamMute(AudioService.java:4016)
- waiting to lock <0x0442d432> (a java.lang.Class<com.android.server.audio.AudioService$VolumeStreamState>) held by thread 94
at com.android.server.audio.AudioService.setStreamVolume(AudioService.java:3628)
at com.android.server.audio.AudioService.setStreamVolume(AudioService.java:3386)
at android.media.IAudioService$Stub.onTransact(IAudioService.java:1359)
at android.os.Binder.execTransactInternal(Binder.java:1184)
at android.os.Binder.execTransact(Binder.java:1143)
```

③tid=94在获取设备，一直没有返回

```
"AudioService" prio=5 tid=94 Native | group="main" sCount=1 ucsCount=0 flags=1 obj=0x14a41af8 self=0xb4000079382793e0 | sysTid=1859 nice=0 cgrp=default
sched=0/0 handle=0x7707787cb0 | state=S schedstat=( 107181432 40594402 1960 ) utm=4 stm=6 core=1 HZ=100 | stack=0x7707684000-0x7707686000
stackSize=1039KB | held mutexes=
native: #00 pc 00000000000a242c /apex/com.android.runtime/lib64/bionic/libc.so (nanosleep+12)
native: #01 pc 00000000000653b4 /apex/com.android.runtime/lib64/bionic/libc.so (usleep+80)
native: #02 pc 00000000000583b0 /system/lib64/libbinder.so (android::ServiceManagerShim::getService(android::String16 const&) const+428)
native: #03 pc 0000000000063368 /system/lib64/libaudioclient.so (android::AudioSystem::get_audio_policy_service() (.cfi)+212)
native: #04 pc 000000000006bcb4 /system/lib64/libaudioclient.so (android::AudioSystem::getDevicesForStream(audio_stream_type_t) (.cfi)+44)
at android.media.AudioSystem.getDevicesForStream(Native method)
at com.android.server.audio.AudioSystemAdapter.getDevicesForStreamImpl(AudioSystemAdapter.java:143)
- locked <0x07c1443d> (a java.util.concurrent.ConcurrentHashMap)
at com.android.server.audio.AudioSystemAdapter.getDevicesForStream(AudioSystemAdapter.java:128)
at com.android.server.audio.AudioService$VolumeStreamState.observeDevicesForStream_syncVSS(AudioService.java:7079)
at com.android.server.audio.AudioService.getDevicesForStreamInt(AudioService.java:6304)
- locked <0x0442d432> (a java.lang.Class<com.android.server.audio.AudioService$VolumeStreamState>)
at com.android.server.audio.AudioService.getDeviceForStream(AudioService.java:6256)
at com.android.server.audio.AudioService.setDeviceVolume(AudioService.java:7667)
- locked <0x0442d432> (a java.lang.Class<com.android.server.audio.AudioService$VolumeStreamState>)
at com.android.server.audio.AudioService$AudioHandler.handleMessage(AudioService.java:7747)
at android.os.Handler.dispatchMessage(Handler.java:106)
at android.os.Looper.loopOnce(Looper.java:201)
at android.os.Looper.loop(Looper.java:288)
at com.android.server.audio.AudioService$AudioSystemThread.run(AudioService.java:7577)
```

■ 下一步计划

需要audio的同事看下第③步被block的原因

#3 - 2023-06-29 11:05 - Multimedia组-RD3_TSCD 梁卿山

Hi ALL

当前分析：
从日志看binder数量没有出现超出，当前问题是可能在getDevicesForStreamImpl超时导致。
将会调查正常和异常时 getDevicesForStreamImpl的执行时间是否存在差异。

#4 - 2023-06-30 16:39 - Multimedia组-RD3_TSCD 梁卿山

Hi ALL

增加强化日志后，进行复现，暂时未能复现。

#5 - 2023-07-25 16:16 - CDTS_TEST 王成
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to 物联网测试组_TSCD 王维

麻烦复现BUG

#6 - 2023-08-03 14:07 - 物联网测试组_TSCD 王维

- 【复验反馈】未成功复现
- 【复验版本】0731DB、0801DB、0128、0129
- 【复现环境】使用的蓝牙耳机漫步者 AirPods 以及新科蓝牙音箱
- 【复现方法】按操作步骤反复执行，每个版本均验证次数在50次左右；检查过程是否存在异常情况
- 【复现结果】暂无异常

#7 - 2023-08-08 17:17 - 物联网测试组_TSCD 王维
- Verified Version set to 0805DB

- 【复验反馈】验证通过
- 【复验版本】0805DB
- 【复现环境】使用的蓝牙耳机漫步者 AirPods 以及新科蓝牙音箱
- 【复现方法】按操作步骤反复执行30次，检查过程是否存在异常情况
- 【复现结果】暂无异常

#8 - 2023-08-23 13:39 - 物联网测试组_TSCD 王维

- 【复验反馈】验证通过
- 【复验版本】0136
- 【复现环境】使用的蓝牙耳机漫步者和新科蓝牙音箱
- 【复现方法】按操作步骤反复执行30次，检查过程是否存在异常情况
- 【复现结果】暂无异常

#9 - 2023-08-23 13:46 - 物联网测试组_TSCD 王维

已跟踪超过5版本未复现，降低bug等级为正常

#10 - 2023-08-23 13:46 - 物联网测试组_TSCD 王维
- Priority changed from High to Normal

#11 - 2023-08-23 15:11 - 物联网测试组_TSCD 王维
- Verified Version changed from 0805DB to 0136

经测试内部讨论可以关闭

#12 - 2023-08-23 15:11 - 物联网测试组_TSCD 王维
- Status changed from New to RESOLVED

#13 - 2023-08-23 15:12 - 物联网测试组_TSCD 王维
- Status changed from RESOLVED to VERIFIED

#14 - 2023-08-23 15:12 - 物联网测试组_TSCD 王维
- Status changed from VERIFIED to CLOSED

Files			
1613.txt	4.67 MB	2023-06-15	CD TEST-方永红
20230615-162255.jpg	79.2 KB	2023-06-15	CD TEST-方永红
tlog_iov0201017500006162025411a2212290000002171_000119_0615161554.tar.gz	26.8 MB	2023-06-15	CD TEST-方永红