

【AF】【EVT3】【AUDIO】副屏连接蓝牙耳机，微信语音通话中断开蓝牙连接后，再恢复蓝牙连接，蓝牙耳机上无声音输出

2023-05-26 18:48 - 物联网测试组_CDTS 唐霞

Status:	CLOSED	Start date:	2023-05-26
Priority:	Normal	Due date:	
Assignee:	CD TEST-方永红	% Done:	0%
Category:	AUDIO-FW	Estimated time:	0.00 hour
Target version:		Found Version:	FlatBuild_HH_MCE_FSE.M.D.user.01.00.C103(X103)
Need_Info:	--	Degrated:	--
Resolution:	FIXED	Verified Version:	
Severity:	Normal	Fixed Version:	
Reproducibility:	Every time	Root cause:	修复setCommunicationRouteForClient方法中的蓝牙
Test Type:	Release Test		
Description			
【前置条件】 副屏连接中控，网络正常 【测试步骤】 1.副屏连接蓝牙耳机，副屏在微信语音通话中。中控音乐播放中 2.副屏断开蓝牙连接，副屏通话声从喇叭输出，中控音乐暂停播放 3.副屏连接蓝牙耳机 【预期结果】 副屏微信通话从蓝牙耳机输出，中控恢复音乐播放 【测试结果】 副屏微信通话声未从蓝牙耳机输出（微信切换音源输出无蓝牙设备可选），中控音乐播放正常			

History

- #1 - 2023-05-29 16:54 - Multimedia组-RD3_TSCD 梁卿山
- Category changed from AUDIO-FW to LC
 - Status changed from New to ASSIGNED
 - Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CD LC 陶洪普

HI 洪普

当前分析：

该问题发生时，蓝牙没有调用setBluetoothScoOn导致了AudioDeviceBroker中的蓝牙sco状态为false，就导致设备没有切回蓝牙。

异常时日志：

```
05-29 16:39:02.220 1106 2119 V AS.AudioService: setMode(mode=3, pid=4281, uid=10102, caller=com.tencent.mm)
05-29 16:39:02.220 1106 2119 V AS.AudioService: setMode(3) updating hldr for pid: 4281
05-29 16:39:02.221 4281 4459 I AudioManager: In setSpeakerphoneOn(), on: false, calling application: com.tencent.mm
05-29 16:39:02.221 1106 2119 I AS.AudioService: In setSpeakerphoneOn(), on: false, eventSource: setSpeakerphoneOn(false) from u/pid:10102/4281
05-29 16:39:02.221 1106 2119 V AS.AudioDeviceBroker: setSpeakerphoneOn, on: false pid: 4281
05-29 16:39:02.222 1106 2119 I AS.AudioService: In startBluetoothSco()
05-29 16:39:02.222 1106 2119 I AS.AudioService: In startBluetoothScoInt(), scoAudioMode: -1
05-29 16:39:02.222 1106 2119 V AS.AudioDeviceBroker: startBluetoothScoForClient_Sync, pid: 4281
05-29 16:39:02.222 1106 2119 V AS.AudioDeviceBroker: setCommunicationRouteForClient: device: AudioDeviceAttributes: role:output type:bt_sco addr:
05-29 16:39:02.222 1106 2119 I AS.AudioDeviceBroker: setCommunicationRouteForClient for pid: 4281 device: AudioDeviceAttributes: role:output type:bt_sco
```

addr: from API: startBluetoothSco()) from u/pid:10102/4281
05-29 16:39:02.223 1106 2119 V AS.AudioDeviceBroker: requestedCommunicationDevice, device: AudioDeviceAttributes: role:output type:bt_sco addr: mode owner pid: 4281
05-29 16:39:02.223 1106 2119 V AS.AudioDeviceBroker: requestedCommunicationDevice, device: AudioDeviceAttributes: role:output type:bt_sco addr: mode owner pid: 4281
05-29 16:39:02.245 1106 1840 V AS.AudioService: onUpdateAudioMode() new mode: 3, current mode: 3 requested mode: 3
05-29 16:39:02.249 1106 1846 D AS.AudioDeviceBroker: TS >>> preferredCommunicationDevice mBluetoothScoOn: false 蓝牙sco状态为false
05-29 16:39:02.250 1106 1846 D AS.AudioDeviceBroker: TS >>> preferredCommunicationDevice mBtHelper.isBluetoothScoOn(): false 蓝牙sco状态为false
05-29 16:39:02.251 1106 1846 D AS.AudioDeviceBroker: TS >>> preferredCommunicationDevice btScoOn: false
05-29 16:39:02.251 1106 1846 V AS.AudioDeviceBroker: requestedCommunicationDevice, device: AudioDeviceAttributes: role:output type:bt_sco addr: mode owner pid: 4281
05-29 16:39:02.251 1106 1846 D AS.AudioDeviceBroker: TS >>> requestedCommunicationDevice device 2 :AudioDeviceAttributes: role:output type:bt_sco addr:
05-29 16:39:02.251 1106 1846 D AS.AudioDeviceBroker: TS >>> requestedCommunicationDevice device type :7 设备无法选择到蓝牙

正常时日志：

05-29 16:44:07.820 1106 5121 V AS.AudioService: setMode(mode=3, pid=4281, uid=10102, caller=com.tencent.mm)
05-29 16:44:07.820 1106 5121 V AS.AudioService: setMode(3) adding handler for pid=4281
05-29 16:44:07.821 1106 1840 V AS.AudioService: onUpdateAudioMode() new mode: 3, current mode: 0 requested mode: 3
05-29 16:44:07.838 4281 4576 I AudioManager: In setSpeakerphoneOn(), on: false, calling application: com.tencent.mm
05-29 16:44:07.838 1106 5104 I AS.AudioService: In setSpeakerphoneOn(), on: false, eventSource: setSpeakerphoneOn(false) from u/pid:10102/4281
05-29 16:44:07.839 1106 5104 V AS.AudioDeviceBroker: setSpeakerphoneOn, on: false pid: 4281
05-29 16:44:08.538 1106 1719 I AS.AudioService: In startBluetoothSco()
05-29 16:44:08.539 1106 1719 I AS.AudioService: In startBluetoothScoInt(), scoAudioMode: -1
05-29 16:44:08.539 1106 1719 V AS.AudioDeviceBroker: startBluetoothScoForClient_Sync, pid: 4281
05-29 16:44:08.539 1106 1719 V AS.AudioDeviceBroker: setCommunicationRouteForClient: device: AudioDeviceAttributes: role:output type:bt_sco addr:
05-29 16:44:08.539 1106 1719 I AS.AudioDeviceBroker: setCommunicationRouteForClient for pid: 4281 device: AudioDeviceAttributes: role:output type:bt_sco addr: from API: startBluetoothSco()) from u/pid:10102/4281
05-29 16:44:08.539 1106 1719 V AS.AudioDeviceBroker: requestedCommunicationDevice, device: null mode owner pid: 4281
05-29 16:44:08.539 1106 1719 V AS.AudioDeviceBroker: requestedCommunicationDevice, device: AudioDeviceAttributes: role:output type:bt_sco addr: mode owner pid: 4281
05-29 16:44:08.623 18563 18641 I AudioManager: In setBluetoothScoOn(), on: true, calling application: com.android.bluetooth 蓝牙调用了setBluetoothScoOn，将mBluetoothScoOn设置为true；
05-29 16:44:08.624 1106 1719 I AS.AudioService: In setBluetoothScoOn(), eventSource: setBluetoothScoOn(true) from u/pid:1002/18563
05-29 16:44:08.624 1106 1719 V AS.AudioDeviceBroker: setBluetoothScoOn: true setBluetoothScoOn(true) from u/pid:1002/18563
05-29 16:44:08.624 1106 1719 D AS.AudioService: idcm_af:setBluetoothConnected: true
05-29 16:44:08.624 1106 1719 D AS.AudioService: idcm_af:abandonAudioFocus Bluetooth Sco is connect
05-29 16:44:08.631 1106 1106 V AS.AudioDeviceBroker: setBluetoothScoOn: true BtHelper.receiveBtEvent
05-29 16:44:08.631 1106 1106 V AS.AudioDeviceBroker: requestedCommunicationDevice, device: AudioDeviceAttributes: role:output type:bt_sco addr: mode owner pid: 4281
05-29 16:44:08.698 1106 1846 D AS.AudioDeviceBroker: TS >>> preferredCommunicationDevice mBluetoothScoOn: true 蓝牙状态为true
05-29 16:44:08.699 1106 1846 D AS.AudioDeviceBroker: TS >>> preferredCommunicationDevice mBtHelper.isBluetoothScoOn(): true 蓝牙状态为true
05-29 16:44:08.699 1106 1846 D AS.AudioDeviceBroker: TS >>> preferredCommunicationDevice btScoOn: true
05-29 16:44:08.699 1106 1846 D AS.AudioDeviceBroker: TS >>> preferredCommunicationDevice device 1 :AudioDeviceAttributes: role:output type:bt_sco addr:00:00:00:00:00:00 设备选择为蓝牙

下一步
请蓝牙组继续分析为什么蓝牙没有调用setBluetoothScoOn。

#2 - 2023-05-30 18:52 - 短距组_SSRDCNJ 蒋俊杰

//正常情况：
05-26 18:35:58.496 1522 24493 I AS.AudioDeviceBroker: setCommunicationRouteForClient for pid: 5433 device: AudioDeviceAttributes: role:output type:bt_sco addr: from API: startBluetoothSco()) from u/pid:10113/5433 //AudioDeviceBroker调用mBtHelper.startBluetoothSco()
05-26 18:35:58.496 1522 24493 I AS.BtHelper: In requestScoState(), state: 12, scoAudioMode: -1 //startBluetoothSco()调用requestScoState然后继续sco切换open的流程
05-26 18:35:58.497 1522 24493 I AS.BtHelper: In connectBluetoothScoAudioHelper(), scoAudioMode: 0, bluetoothHeadset: android.bluetooth.BluetoothHeadset@836b002, BluetoothDevice: 60:F4:3A:B2:E8:8D
05-26 18:35:58.497 1522 24493 I AS.BtHelper: In connectBluetoothScoAudioHelper(), calling startScoUsingVirtualVoiceCall()
05-26 18:35:58.497 1522 24493 D BluetoothHeadset: startScoUsingVirtualVoiceCall()
05-26 18:35:58.497 5254 5588 I HeadsetService: startScoUsingVirtualVoiceCall: uid/pid=1000/1522

//问题日志
05-26 18:36:25.189 1929 2404 D CachedBluetoothDevice: onProfileStateChanged: profile HEADSET, device EDIFIER W281BT, newProfileState 2
05-26 18:36:25.271 1522 12859 I AS.AudioDeviceBroker: setCommunicationRouteForClient for pid: 5433 device: AudioDeviceAttributes: role:output type:bt_sco addr: from API: startBluetoothSco()) from u/pid:10113/5433 //后续未触发requestScoState

【结论】：setCommunicationRouteForClient()方法内存在异常，需要audio排查

#3 - 2023-05-31 14:53 - CD LC 陶洪普
- Category changed from LC to AUDIO-FW
- Assignee changed from CD LC 陶洪普 to Multimedia组-RD3_TSCD 梁卿山

Hi 卿山，

如同步的，请帮忙确认上面Comment,谢谢！

#4 - 2023-05-31 15:33 - IoT scm
Gerrit Merge Information：

ID	Project	Branch	Uploader
203700	general/platform/frameworks/base	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tangyj0127@thundersoft.com
MM: Audio: Fix Bluetooth switching after reconnectFix Bluetooth switching after reconnectTC-RID: 0301-0900116IssueID: TS-R-DF-118281Change-Id: Ibedc1a44e3a1cd27e18a8ca57e6a49766c34d084			

#5 - 2023-05-31 15:35 - Multimedia组-RD3_TSCD 梁卿山
- Status changed from ASSIGNED to RESOLVED
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CD TEST-方永红
- Resolution changed from -- to FIXED
- Root cause set to 修复setCommunicationRouteForClient方法中的蓝牙部分

Hi 永红

该问题已经合入修复的patch，请使用5/31后的版本验证，谢谢！

#6 - 2023-06-02 19:37 - CD TEST-方永红
- File 1933.txt added
- Status changed from RESOLVED to VERIFY_FAILED
- Assignee changed from CD TEST-方永红 to Multimedia组-RD3_TSCD 梁卿山

断开重连蓝牙的过程中，一会儿耳机没声音、一会儿喇叭没声音

#7 - 2023-06-03 11:59 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

当前分析：
当前从日志中没有发现切换蓝牙失败的日志；

当前复现情况：
中控：86
副屏：106

复现次数：0/30

#8 - 2023-06-06 11:07 - Multimedia组-RD3_TSCD 梁卿山
- Status changed from VERIFY_FAILED to RESOLVED
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CD TEST-方永红

HI 永红

当前测试情况：

中控：86
副屏：107

复现次数：0/30

该问题不再发生，请验证，谢谢！

#9 - 2023-06-14 16:18 - SZTS_TEST 邹涛
- Status changed from RESOLVED to VERIFIED

在FlatBuild_HH_MCE_FSE.M.R.user.01.00.0110.C104版本验证通过

#10 - 2023-06-25 15:32 - CD TEST-方永红

- Status changed from VERIFIED to CLOSED

0625
暂未复现此问题

Files			
526-1834.txt	4.95 MB	2023-05-26	物联网测试组_CDTS 唐霞
中科创达软件股份有限公司20230526-184716.mp4	16.8 MB	2023-05-26	物联网测试组_CDTS 唐霞
1933.txt	7.79 MB	2023-06-02	CD TEST-方永红