

Figure - Bug #118955

【VC1】 【0116】 【台架】 【副屏】 副屏使用蓝牙耳机音频可以正常播放但没有声音输出，断开蓝牙后点击播放无效

2023-07-02 14:31 - 物联网测试组_TSCD 王维

Status:	CLOSED	Start date:	2023-07-02
Priority:	Normal	Due date:	
Assignee:	物联网测试组_TSCD 王维	% Done:	100%
Category:	AUDIO-FW	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	0116
Resolution:	FIXED	Degrated:	No
Severity:	Normal	Verified Version:	
Reproducibility:	Occasionally	Fixed Version:	2023-08-02
Test Type:	ST	Root cause:	AudioService 焦点请求超时。
Description			
【前置条件】 DCT正常工作 DCT蓝牙连接中 【问题时间】 2023.7.2 14：03 【操作步骤】 1.副屏处于高cpu占用和高内存占用状态 2.将cpu工作恢复正常工作，内存占用恢复正常 3.打开qq音乐播放音乐 4.断开蓝牙播放音乐 5.中控播放音乐 【实际结果】 3.蓝牙无声音输出 4.点击播放按钮会回弹到暂停 5.提示 ‘ 多媒体暂时无法使用 ’ 【预期结果】 3.蓝牙有声音输出 4.正常播放出声 5.正常播放 【备注】 本地音乐和酷狗音乐同样的问题 出现该现象后 后续操作都是必现			

History

- #1 - 2023-07-03 10:23 - 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
- #2 - 2023-07-03 11:39 - Multimedia组-RD3_TSCD 梁卿山
- Category changed from AUDIO-FW to CD-FW
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CD FW 曹覃刚

Hi ALL

当前日志只有14:24时的日志，从日志来看，中控没有给副屏焦点；
当前判断，应该是中控处于了voice call的状态，当前由于14：02时的日志，所以无法分析。

```
78893:07-02 14:24:14.141 2151 6214 D MicroService: Send message to IDCM:SocketMessageBean{businessData='21930', srcService='FSEM_AudioService',
destService='IDCM_CarAudioService', messageType='0', uuid='1688279054134542998',
payloadData={"srcService":"FSEM_AudioService","dstService":"IDCM_CarAudioService","messageType":0,"uuid":1688279054134542998,"methodName":"requestAudioFocus","parameters":{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_Media"}}}}
78911:07-02 14:24:14.179 2151 6222 I MicroService: Receive message: SocketMessageBean{businessData='21930', srcService='IDCM_CarAudioService',
destService='FSEM_AudioService', messageType='1', uuid='1688279054134542998',
payloadData={"srcService":"IDCM_CarAudioService","dstService":"FSEM_AudioService","methodName":"requestAudioFocus","messageType":1,"uuid":1688279054134542998,"parameters":{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_Media","IDCM_AudioFocus_Result":"AUDIOFOCUS_REQUEST_FAILED"}}}}
78912:07-02 14:24:14.179 2151 6222 I MicroService: onResponse(requestAudioFocus):
{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_Media","IDCM_AudioFocus_Result":"AUDIOFOCUS_REQUEST_FAILED"}}
78913:07-02 14:24:14.179 1560 9227 D AudioIDCMicroNegotiator: idcm_common:response from IDCM method = requestAudioFocus parameters =
{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_Media","IDCM_AudioFocus_Result":"AUDIOFOCUS_REQUEST_FAILED"}}
```

下一步：
尝试复现该现象，进一步分析。

#3 - 2023-07-03 11:39 - Multimedia组-RD3_TSCD 梁卿山
- Category changed from CD-FW to AUDIO-FW
- Assignee changed from CD FW 曹覃刚 to Multimedia组-RD3_TSCD 梁卿山

#4 - 2023-07-03 16:37 - Multimedia组-RD3_TSCD 梁卿山
- Status changed from New to ASSIGNED
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CD FW-廖涛

Hi ALL

经过分析，发现在断开蓝牙申请焦点时，微服务转发焦点结果时慢了导致了超时，导致了后面的焦点无法释放成功，出现异常。

```
56315:07-03 15:46:29.540 1514 9452 D AudioIDCMicroNegotiator: idcm_af:requestIDCMicroAudioFocus, audiSource = AudioFocus_VoiceCall
56316:07-03 15:46:29.540 1514 9452 D AudioIDCMicroNegotiator: idcm_af:requestIDCMicroAudioFocus bluetooth.AudioFocus_VoiceCall
56317:07-03 15:46:29.540 1514 9452 D AudioIDCMicroNegotiator: idcm_af:requestIDCMicroAudioFocus, streamtype = 0
56318:07-03 15:46:29.540 1514 9452 D AudioIDCMicroNegotiator: idcm_af:requestIDCMicroAudioFocus: AudioFocus_VoiceCall
56319:07-03 15:46:29.540 1514 9452 D AudioIDCMicroNegotiator: idcm_common:requestResult method = requestAudioFocus parameters =
{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_VoiceCall"}}
56320:07-03 15:46:29.540 1514 9452 I MicroServiceManager: requestResult(requestAudioFocus) parameters
is{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_VoiceCall"}}.
56321:07-03 15:46:29.540 1514 9452 D AudioIDCMicroNegotiator: idcm_af:updateAudioInfo
56322:07-03 15:46:29.540 1514 9452 D AudioIDCMicroNegotiator: idcm_af:obtainFocusState
56324:07-03 15:46:29.544 2113 6275 D MicroService: Send message to IDCM:SocketMessageBean{businessData='21930', srcService='FSEM_AudioService',
destService='IDCM_CarAudioService', messageType='0', uuid='1688370389540724717',
payloadData={"srcService":"FSEM_AudioService","dstService":"IDCM_CarAudioService","messageType":0,"uuid":1688370389540724717,"methodName":"requestAudioFocus","parameters":{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_VoiceCall"}}}} ★★★ 微服务发消息申请焦点
56337:07-03 15:46:29.579 2113 6299 I MicroService: Receive message: SocketMessageBean{businessData='21930', srcService='IDCM_CarAudioService',
destService='FSEM_AudioService', messageType='1', uuid='1688370389540724717',
```

```
payloadData={"srcService":"IDCM_CarAudioService","dstService":"FSEM_AudioService","methodName":"requestAudioFocus","messageType":1,"uuid":1688370389540724717,"parameters":{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_VoiceCall","IDCM_AudioFocus_Result":"AUDIOFOCUS_REQUEST_GRANTED"}}}}
56341:07-03 15:46:29.579 2113 6299 I MicroService: onResponse(requestAudioFocus):
{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_VoiceCall","IDCM_AudioFocus_Result":"AUDIOFOCUS_REQUEST_GRANTED"}} ★★★ 微服务接收到消息处理

56382:07-03 15:46:30.141 1514 9452 W AudioIDCMicroNegotiator: idcm_warn: timeout for obtainFocusState: null ★★★ 等待时间超时，焦点更新为0

56383:07-03 15:46:30.141 1514 9452 D AudioIDCMicroNegotiator: idcm_af.notifyFocusState -> notify
56386:07-03 15:46:30.141 1514 9452 D AudioIDCMicroNegotiator: idcm_af.obtainFocusState, return: 0 mlsTimeout= true time= 601
56387:07-03 15:46:30.141 1514 1868 D AudioIDCMicroNegotiator: idcm_af.wait message done -> onAudioFocusRemoteChanged

56904:07-03 15:46:30.198 1514 9452 D AudioIDCMicroNegotiator: idcm_common:response from IDCM method = requestAudioFocus parameters =
{"functionInfo":{"IDCM_AudioFocus":"AudioFocus_VoiceCall","IDCM_AudioFocus_Result":"AUDIOFOCUS_REQUEST_GRANTED"}} ★★★ 微服务真正调用到audio侧的日志。
```

下一步：
麻烦微服务测看看，为什么转发消息慢了。

#5 - 2023-08-02 14:53 - CD FW-廖涛

- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD FW-廖涛 to 物联网测试组_TSCD 王维
- % Done changed from 0 to 100
- Resolution changed from -- to FIXED
- Fixed Version set to 2023-08-02
- Root cause set to AudioService 焦点请求超时。

■ Current conclusion

微服务消息转发是通过 Binder，串行执行的，目前暂无更好的优化方案。

通过和卿山的沟通，AudioService 已经将超时时间调长，并且做了延迟处理。

■ Next action

麻烦测试验证，观察几个版本，如不复现，麻烦关闭这个票。

#6 - 2023-08-02 14:53 - CD FW-廖涛

- Degraded changed from -- to No

#7 - 2023-09-11 16:25 - 物联网测试组_TSCD 王维

- Status changed from RESOLVED to VERIFIED

#8 - 2023-09-11 16:28 - 物联网测试组_TSCD 王维

- Status changed from VERIFIED to CLOSED

已在下列版本中验证通过

01.00.0138

01.00.0140
01.00.0142

Files			
zk10.7z	4.84 MB	2023-07-02	物联网测试组_TSCD 王维
fp10.txt	13.4 MB	2023-07-02	物联网测试组_TSCD 王维
中科创达软件股份有限公司20230702-142703.mp4	18.4 MB	2023-07-02	物联网测试组_TSCD 王维