

Status:	CLOSED	Start date:	2023-06-05
Priority:	High	Due date:	
Assignee:	CD TEST-方永红	% Done:	0%
Category:	AUDIO-FW	Estimated time:	0.00 hour
Target version:		Found Version:	IDCM版本号: 03.02.0088.C103副屏：0106
Need_Info:	--	Degrated:	--
Resolution:	FIXED	Verified Version:	
Severity:	Major	Fixed Version:	
Reproducibility:	Every time	Root cause:	将AUDIOFOCUS_REQUEST_DELAYED获取焦点的
Test Type:	ST		
Description			
【前提条件】： 车机上电、网络状态良好、时间显示正确、账号登录正确 【操作步骤】： 1、副屏播放QQ音乐歌曲，允许于其他应用同时播放关闭 2、副屏切换到腾讯视频 【实际结果】： 1、视频和音乐混音 【期望结果】： 1、播放视频时，音乐暂停 【研发解决问题依赖】： 1、问题发生环境：EE 2、车机VIN号:LJD8BC3F1P0000306 3、bug时间：2023/6/5 1459 【备注】： 【软件版本号】： IDCM版本号: 03.02.0088.C103 副屏：0106			

History
#1 - 2023-06-05 18:00 - Multimedia组-RD3_TSCD 梁卿山
- Status changed from New to NEED_INFO
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CDTS_Test 吴诗雨

Hi 诗雨

根据日志分析：

在出现混音的时间段内，没有任何焦点申请的日志出现。

请获取云端日志，再详细分析，谢谢！

#2 - 2023-06-05 19:39 - CD TEST-方永红

- File 1685935652715.zip added

- Status changed from NEED_INFO to ASSIGNED

- Assignee changed from CDTS_Test 吴诗雨 to Multimedia组-RD3_TSCD 梁卿山

#3 - 2023-06-06 13:53 - CDTS_Test 吴诗雨

- File deleted (1685935652715.zip)

#4 - 2023-06-06 13:53 - CDTS_Test 吴诗雨

- File 1686030726599.zip added

#5 - 2023-06-06 16:24 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

当前分析：

该问题直接原因是，腾讯视频播放时，没有再次申请焦点就播放，导致了混音。

我对比了蓝牙连接时的现象，发现正常，日志对比发现，腾讯视频没有重新申请焦点。

正常：

06-06 14:56:39.895 19679 20087 W AudioManager: See the documentation of requestAudioFocus() for what to use instead with android.media.AudioAttributes to qualify your playback use case

06-06 14:56:39.897 1649 9931 I MediaFocusControl: requestAudioFocus() from uid/pid 10238/19679 AA=USAGE_MEDIA/CONTENT_TYPE_MUSIC
clientId=android.media.AudioManager@d461456com.tencent.qqmusicplayerprocess.servicenew.listener.AudioFocusListener\$a@18d0cd7
callingPack=com.tencent.qqmusic req=1 flags=0x0 sdk=29

06-06 14:56:39.898 1649 9931 I MediaFocusControl: AudioFocus removeFocusStackEntry(): removing entry for
android.media.AudioManager@d461456com.tencent.qqmusicplayerprocess.servicenew.listener.AudioFocusListener\$a@18d0cd7

06-06 14:56:39.916 1649 9931 I MediaFocusControl: abandonAudioFocus() from uid/pid 10229/16054
clientId=android.media.AudioManager@b1fbce2com.tencent.qqlive.modules.vb.qmtpluginimpl.plugin.audiofocus.d@dc7873

06-06 14:56:40.007 938 23689 D audio_hw_primary: select_devices for use case (deep-buffer-playback)

06-06 14:56:40.009 938 23689 D audio_hw_primary: enable_snd_device: snd_device(2: speaker)

06-06 14:56:40.012 938 23689 E audio_hw_awinic_feedback: audio_extn_aw882xx_start_feedback: befor enable_snd_device

06-06 14:56:40.012 938 23689 D audio_hw_primary: enable_snd_device: snd_device(208: vi-feedback)

06-06 14:56:40.013 938 23689 E audio_hw_awinic_feedback: audio_extn_aw882xx_start_feedback: after enable_snd_device

06-06 14:56:58.865 1649 1755 D AS.AudioService: Volume controller visible: false

06-06 14:57:00.709 16054 19073 W AudioManager: See the documentation of requestAudioFocus() for what to use instead with android.media.AudioAttributes to qualify your playback use case

腾讯视频重新申请焦点

06-06 14:57:00.712 1649 4409 I MediaFocusControl: requestAudioFocus() from uid/pid 10229/16054 AA=USAGE_MEDIA/CONTENT_TYPE_MUSIC
clientId=android.media.AudioManager@b1fbce2com.tencent.qqlive.modules.vb.qmtpluginimpl.plugin.audiofocus.d@dc7873 callingPack=com.tencent.qqlive
req=2 flags=0x0 sdk=31

异常

06-06 16:19:36.946 5543 6236 W AudioManager: See the documentation of requestAudioFocus() for what to use instead with android.media.AudioAttributes to qualify your playback use case

06-06 16:19:36.948 1073 2156 I MediaFocusControl: requestAudioFocus() from uid/pid 10108/5543 AA=USAGE_MEDIA/CONTENT_TYPE_MUSIC

```
clientId=android.media.AudioManager@ec71e93com.tencent.qqmusicplayerprocess.servicew.listener.AudioFocusListener$a@ecafed0
callingPack=com.tencent.qqmusic req=1 flags=0x0 sdk=29
06-06 16:19:36.949 1073 2156 I MediaFocusControl: AudioFocus removeFocusStackEntry(): removing entry for
android.media.AudioManager@ec71e93com.tencent.qqmusicplayerprocess.servicew.listener.AudioFocusListener$a@ecafed0
06-06 16:19:36.957 1073 2156 I MediaFocusControl: abandonAudioFocus() from uid/pid 10103/7709
clientId=android.media.AudioManager@7c0432ecom.tencent.qqlive.modules.vb.qmtpluginimpl.plugin.audiofocus.d@a5a7617
06-06 16:19:36.965 1073 2156 D AudioService.PlaybackActivityMonitor: idcm_af:requestAudioFocusToIDCM: event=2(PAYER_STATE_STARTED)apc
=AudioPlaybackConfiguration piid:327 deviceId:3 type:android.media.AudioTrack u/pid:10108/5543 state:paused attr:AudioAttributes: usage=USAGE_MEDIA
content=CONTENT_TYPE_MUSIC flags=0xA00 tags= bundle=null sessionId:265
06-06 16:19:36.966 1073 2156 D AudioIDCMicroNegotiator: idcm_af:requestIDCMicroAudioFocus, streamtype = 3
06-06 16:19:36.966 1073 2156 D AudioIDCMicroNegotiator: idcm_af:requestIDCMicroAudioFocus: Already has a audioFocus AudioFocus_Media
06-06 16:19:36.966 1073 2156 D AudioIDCMicroNegotiator: idcm_af:updateAudioInfo
06-06 16:19:36.966 1073 2156 D AudioIDCMicroNegotiator: idcm_af:notifyFocusState -> notify
06-06 16:19:36.966 1073 1944 D AudioIDCMicroNegotiator: idcm_af:wait message done -> onAudioFocusRemoteChanged
06-06 16:19:36.966 1073 1944 D AudioService.PlaybackActivityMonitor: idcm_af:onAudioFocusRemoteChanged: 1 info= RequestInfosToIDCM{mPid=5543,
mUId=10108}
06-06 16:19:36.966 1073 1944 D AS.AudioService: idcm_af:onAudioFocusIDCMicroChanged: 1 info: RequestInfosToIDCM{mPid=5543, mUId=10108}
06-06 16:19:36.985 1073 1944 D MediaFocusControl: audio_idcm: updateCurrentAudioFocus: uid= 10108 fr = 10108 focusChange= 1
06-06 16:19:36.985 1073 1944 D TS >>> : fr ---> getGainRequest =1
06-06 16:19:36.985 1073 1944 D AudioIDCMicroNegotiator: idcm_af:wait message
```

腾讯视频直接播放了，没有申请焦点

```
06-06 16:19:40.890 1073 2521 D AudioService.PlaybackActivityMonitor: idcm_af:requestAudioFocusToIDCM: event=2(PAYER_STATE_STARTED)apc
=AudioPlaybackConfiguration piid:335 deviceId:0 type:android.media.AudioTrack u/pid:10103/7709 state:paused attr:AudioAttributes: usage=USAGE_MEDIA
content=CONTENT_TYPE_MUSIC flags=0x800 tags= bundle=null sessionId:297
```

下一步：
调查为什么腾讯视频没有申请焦点。

#6 - 2023-06-06 17:41 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

进一步分析发现：
腾讯视频请求焦点时，使用的是AUDIOFOCUS_REQUEST_DELAYED，
导致腾讯视频在请求焦点时延时获取，

而我们之前的焦点更新时，没有延时获取的机制，导致了焦点先更新，
这就导致应用本身没有去请求焦点，这时QQ音乐和腾讯视频都保持了焦点。

当前方案：
将AUDIOFOCUS_REQUEST_DELAYED获取焦点的应用做特殊判断，不主动更新焦点。

#7 - 2023-06-06 20:05 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
205147	general/platform/frameworks/base	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tangyj0127@thundersoft.com

MM: Audio: Delayed focus request maskingDelayed focus request maskingTC-RID: 0301-0900116IssueID: TS-R-DF-118522Change-Id: I7d813774d9b2cf945088ff0b5e612a685cd2651e

#8 - 2023-06-06 20:06 - 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 将AUDIOFOCUS_REQUEST_DELAYED 获取焦点的应用做特殊判断，不主动更新焦点。

HI 永红

该问题已经通过方案解决，请使用6月7日版本验证，谢谢！

#9 - 2023-06-08 15:09 - SZTS_TEST 邹涛

- Status changed from RESOLVED to VERIFIED

在FlatBuild_HH_MCE_FSE.M.D.user.01.00.C104.202306080125版本验证通过

#10 - 2023-06-25 15:24 - CD TEST-方永红

- Status changed from VERIFIED to CLOSED

Files			
IOVDEV-32656.zip	3.58 MB	2023-06-05	CDTS_Test 吴诗雨
1686030726599.zip	5.98 MB	2023-06-06	CDTS_Test 吴诗雨