

Figure - Bug #118215

【IOVDEV-30209】 【内部】 【VC1】 【0100】 【台架】 【EE环境】 【副屏】 【设置】 播放本地音乐时，媒体音量调节条与车内扬声器调节条有延迟不同步

2023-05-24 20:32 - CD TEST-方永红

Status:	CLOSED	Start date:	2023-05-24
Priority:	Normal	Due date:	
Assignee:	CD TEST-方永红	% Done:	0%
Category:	AUDIO-FW	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	0100
Resolution:	WONTFIX	Degrated:	No
Severity:	Normal	Verified Version:	
Reproducibility:	Every time	Fixed Version:	
Test Type:	ST	Root cause:	PM说保持现状
Description			
环境信息】EE环境			
【问题出现时间】：20230524 15：49			
【前提条件】：副屏上电，中控已连接			
【操作步骤】			
1.播放本地音乐			
2.进入设置声音设置选项			
3.点击用于播放音乐内容的设备选项			
4.来回拖拽车内扬声器调节条			
5.查看媒体音量调节条变化			
【实际结果】			
1.媒体音量调节条与车内扬声器调节条有延迟不同步			
【期望结果】			
1.媒体音量调节条与车内扬声器调节条同步			
【备注】：			
【当前开机次数】：118			
【应用版本】：			
【硬件版本号】：			
VIN:HRYTTESTVINMGM401			
【中控版本号】：03.02.0082.C101			
【副屏版本号】：01.00.0100.c103			
Related issues:			
Related to Figure - Bug # 117961: 【IOV-28225】 【VC1】 【0080】 【...			CLOSED 2023-05-15

History

- #1 - 2023-05-25 14:36 - CDTS_Test 吴诗雨
- File 052402.tar.gz added
- File IOVDEV-30209.zip added

#2 - 2023-05-25 17:46 - Multimedia组-RD3_TSCD 梁卿山

- Status changed from New to ASSIGNED

HI ALL

根据调查，发现该场景下调节音量条，调用setstreamvolume接口很多次，而调节音量又因为通过微服务进行设置的，流程比较慢，也就导致了不同步的问题。

#3 - 2023-05-26 10:58 - Multimedia组-RD3_TSCD 梁卿山

Hi ALL

该问题和117961类似，在拖动扬声器调节条时，如下的过程，该过程在多次触发时会导致延时。

拖动扬声器调节条->设置音量，等待回复->发消息给微服务->微服务转发给中控->网络通信->中控接收信息处理->中控回复消息->微服务接收消息->转发给音量调节->设置音量成功->通知UI调整。

下一步：

方案：

- 1.在UI在抬起时触发设置音量，可以更少的请求设置音，会导致音量不是实时变化的。
- 2.保持现状。

#4 - 2023-05-30 17:03 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

当前进一步调查：

根据当前调查，音量设置在audio侧是有比较高的耗时，最大为100ms以内，该耗时无法避免。

使用扬声器时耗时：

05-30 15:57:24.404 1977 1977 D ViewTouchDebug: mView: DecorView@d1f45aa[MediaOutputDialog]Receive event : MotionEvent { action=ACTION_UP, actionButton=0, id[0]=0, x[0]=1224.0, y[0]=228.0, toolType[0]=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=0, eventTime=353683, downTime=353519, deviceId=2, source=0x5002, displayId=0, eventId=359994752 }
触摸事件 4ms

05-30 15:57:24.408 1072 1072 D TS >>> : setStreamVolume -> index = 19
05-30 15:57:24.409 1072 1072 D AS.AudioService: setStreamVolume(stream=3, index=19, calling=android)
设置音量等待回复 3ms

05-30 15:57:24.412 1072 1072 D AS.AudioService: idcm_volume:setIDCMicroVolume(stream=3, index=19, calling=android)
05-30 15:57:24.412 1072 1072 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume
05-30 15:57:24.412 1072 1072 D AudioIDCMicroNegotiator: idcm_common:requestResult method = setVolume parameters = {"functionInfo":{"IDCM_VolumeValue_Media":"19"}}
发消息给微服务 0ms

05-30 15:57:24.412 1072 1072 I MicroServiceManager: requestResult(setVolume) parameters is {"functionInfo":{"IDCM_VolumeValue_Media":"19"}}.
微服务转发给中控 9ms

05-30 15:57:24.421 2107 6966 D MicroService: Send message to IDCM:SocketMessageBean{businessData='21930', srcService='FSEM_AudioService', destService='IDCM_CarAudioService', messageType='0', uuid='1685433444413514129', payloadData={"srcService":"FSEM_AudioService","dstService":"IDCM_CarAudioService","messageType":0,"uuid":1685433444413514129,"methodName":"setVolume","parameters":{"functionInfo":{"IDCM_VolumeValue_Media":"19"}}}}
中控回复消息,微服务接收消息 23ms

05-30 15:57:24.455 2107 6967 I MicroService: Receive message: SocketMessageBean{businessData='21930', srcService='IDCM_CarAudioService', destService='FSEM_AudioService', messageType='1', uuid='1685433444413514129', payloadData={"srcService":"IDCM_CarAudioService","dstService":"FSEM_AudioService","methodName":"setVolume","messageType":1,"uuid":1685433444413514129,"parameters":{"functionInfo":{"IDCM_VolumeValue_Media":"19"}}}}
05-30 15:57:24.455 2107 6967 I MicroService: onResponse(setVolume): {"functionInfo":{"IDCM_VolumeValue_Media":"19"}}
转发给音量调节 1ms

05-30 15:57:24.456 1072 1928 D AudioIDCMicroNegotiator: idcm_common:response from IDCM method = setVolume parameters = {"functionInfo":{"IDCM_VolumeValue_Media":"19"}}
05-30 15:57:24.456 1072 1928 D AudioIDCMicroNegotiator: idcm_volume:onSetIDCMicroVolume mIsTimeout= false value = 19 isRequested=true
05-30 15:57:24.456 1072 1072 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume return 19
05-30 15:57:24.457 1072 1072 D AS.AudioService: idcm_volume:setIDCMicroVolume: 19
设置音量成功 更新音量 33ms

05-30 15:57:24.490 1072 1072 D TS >>> : sendVolumeUpdate -> index = 190

总耗时 73ms

蓝牙连接时音量调节耗时：

05-30 16:53:39.449 1977 1977 D ViewTouchDebug: mView : DecorView@78233ad[MediaOutputDialog]Receive event : MotionEvent { action=ACTION_MOVE, actionButton=0, id[0]=0, x[0]=1086.3997, y[0]=255.0, toolType[0]=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0, edgeFlags=0x0, pointerCount=1, historySize=2, eventTime=3729068, downTime=3728629, deviceId=2, source=0x5002, displayId=0, eventId=236844059 }
触摸事件 1ms

05-30 16:53:39.450 1072 1072 D TS >>> : setStreamVolume -> index = 16
05-30 16:53:39.450 1072 1072 D AS.AudioService: setStreamVolume(stream=3, index=16, calling=android)
设置音量等待回复 1ms

05-30 16:53:39.451 1072 1072 D AS.AudioService: idcm_volume:setIDCMicroVolume bluetooth is connected return index = 16
05-30 16:53:39.451 1072 1072 D AS.AudioService: idcm_volume:setIDCMicroVolume: 16
05-30 16:53:39.451 1072 1072 D AS.AudioService: setStreamVolume postSetAvrcpAbsoluteVolumeIndex index=160stream=3
设置音量成功 更新音量 7ms

05-30 16:53:39.458 1072 1072 D TS >>> : sendVolumeUpdate -> index = 160

总耗时9ms

关闭焦点策略调节音量耗时：

05-31 14:08:42.276 1916 1916 D ViewTouchDebug: mView : DecorView@59d969e[MediaOutputDialog]Receive event : MotionEvent { action=ACTION_UP, actionButton=0, id[0]=0, x[0]=1146.0, y[0]=223.0, toolType[0]=TOOL_TYPE_FINGER, buttonState=0, classification=NONE, metaState=0, flags=0x0,

edgeFlags=0x0, pointerCount=1, historySize=0, eventTime=194460, downTime=194232, deviceId=3, source=0x5002, displayId=0, eventId=364823727 }
触摸事件 1ms

05-31 14:08:42.277 1068 1068 D TS >>> : setStreamVolume -> index = 17
05-31 14:08:42.277 1068 1068 D AS.AudioService: setStreamVolume(stream=3, index=17, calling=android)
设置音量等待回复 1ms

05-31 14:08:42.278 1068 1068 D AS.AudioService: idcm_volume:setIDCMicroVolume: 17
设置音量成功 更新音量 3ms

05-31 14:08:42.281 1068 1068 D TS >>> : sendVolumeUpdate -> index = 170

总耗时5ms

下一步：
请AF组更新一下UI侧的耗时，谢谢！

#5 - 2023-05-30 17:19 - CD FW-廖涛

■ Current conclusion

从日志中可以看出，从 UI 变更到调用 AudioManager 设置音量，耗时基本在 10ms 以内。

05-30 17:16:22.498 1941 1941 D Laban : onProgressChanged: 1685438182498
05-30 17:16:22.503 1105 1105 D Laban : setRouteVolume: 1685438182503
05-30 17:17:01.293 1941 1941 D Laban : onProgressChanged: 1685438221293
05-30 17:17:01.298 1105 1105 D Laban : setRouteVolume: 1685438221298
05-30 17:17:01.310 1941 1941 D Laban : onProgressChanged: 1685438221310
05-30 17:17:01.327 1105 1105 D Laban : setRouteVolume: 1685438221327
05-30 17:17:01.389 1941 1941 D Laban : onProgressChanged: 1685438221389
05-30 17:17:01.391 1105 1105 D Laban : setRouteVolume: 1685438221391
05-30 17:17:01.439 1941 1941 D Laban : onProgressChanged: 1685438221439
05-30 17:17:01.440 1105 1105 D Laban : setRouteVolume: 1685438221440
05-30 17:17:01.491 1941 1941 D Laban : onProgressChanged: 1685438221491
05-30 17:17:01.492 1105 1105 D Laban : setRouteVolume: 1685438221492
05-30 17:17:01.533 1941 1941 D Laban : onProgressChanged: 1685438221533
05-30 17:17:01.534 1105 1105 D Laban : setRouteVolume: 1685438221534
05-30 17:17:01.592 1941 1941 D Laban : onProgressChanged: 1685438221592
05-30 17:17:01.597 1105 1105 D Laban : setRouteVolume: 1685438221597
05-30 17:17:01.649 1941 1941 D Laban : onProgressChanged: 1685438221649
05-30 17:17:01.650 1105 1105 D Laban : setRouteVolume: 1685438221650
05-30 17:17:01.723 1941 1941 D Laban : onProgressChanged: 1685438221723
05-30 17:17:01.724 1105 1105 D Laban : setRouteVolume: 1685438221724
05-30 17:17:01.774 1941 1941 D Laban : onProgressChanged: 1685438221774
05-30 17:17:01.775 1105 1105 D Laban : setRouteVolume: 1685438221775
05-30 17:17:01.856 1941 1941 D Laban : onProgressChanged: 1685438221856
05-30 17:17:01.857 1105 1105 D Laban : setRouteVolume: 1685438221857
05-30 17:17:01.922 1941 1941 D Laban : onProgressChanged: 1685438221922
05-30 17:17:01.926 1105 1105 D Laban : setRouteVolume: 1685438221926
05-30 17:17:01.979 1941 1941 D Laban : onProgressChanged: 1685438221979
05-30 17:17:01.981 1105 1105 D Laban : setRouteVolume: 1685438221981

05-30 17:17:02.062 1941 1941 D Laban : onProgressChanged: 1685438222062
05-30 17:17:02.063 1105 1105 D Laban : setRouteVolume: 1685438222063
05-30 17:17:02.128 1941 1941 D Laban : onProgressChanged: 1685438222128
05-30 17:17:02.130 1105 1105 D Laban : setRouteVolume: 1685438222130
05-30 17:17:02.202 1941 1941 D Laban : onProgressChanged: 1685438222202
05-30 17:17:02.205 1105 1105 D Laban : setRouteVolume: 1685438222205
05-30 17:17:02.296 1941 1941 D Laban : onProgressChanged: 1685438222296
05-30 17:17:02.302 1105 1105 D Laban : setRouteVolume: 1685438222302
05-30 17:17:02.348 1941 1941 D Laban : onProgressChanged: 1685438222348
05-30 17:17:02.359 1105 1105 D Laban : setRouteVolume: 1685438222359
05-30 17:17:02.437 1941 1941 D Laban : onProgressChanged: 1685438222437
05-30 17:17:02.438 1105 1105 D Laban : setRouteVolume: 1685438222438
05-30 17:17:02.483 1941 1941 D Laban : onProgressChanged: 1685438222483
05-30 17:17:02.494 1105 1105 D Laban : setRouteVolume: 1685438222494

#6 - 2023-05-31 14:52 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

根据当前UI的内容，在1秒内发送了16次音量调节，
而每一次调节是需要100ms左右的时间完成，
相当于每一秒内的连续调节是超时的，会导致微服务出现排队，这时调节音量就会不连续。

#7 - 2023-06-01 15:48 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

当前信息，PM意思先保持现状。

#8 - 2023-06-02 15:27 - Multimedia组-RD3_TSCD 梁卿山

- File 保持现状截图.png added
- 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 WONTFIX
- Degrated changed from -- to No
- Root cause set to PM说保持现状

HI 永红

该问题和PM沟通后，建议保持现状。

#9 - 2023-06-02 17:31 - CD TEST-方永红

- Status changed from RESOLVED to VERIFIED

#10 - 2023-06-02 17:31 - CD TEST-方永红

- Status changed from VERIFIED to CLOSED

Files

052402.tar.gz	11.6 MB	2023-05-25	CDTS_Test 吴诗雨
IOVDEV-30209.zip	7.34 MB	2023-05-25	CDTS_Test 吴诗雨
保持现状截图.png	188 KB	2023-06-02	Multimedia组-RD3_TSCD 梁卿山