

Figure - Bug #116842

测试 Test-ST # 111337 (New): ST测试总票
测试 Test-ST # 116840 (New): 中控联调测试-AF

【AF】【EVT】【音量调节】副屏连接中控后，从副屏处设置-音量调节条调节副屏音量（先调节至0，在升高），会回弹至0

2023-03-09 16:53 - CD TEST-方永红

Status:	CLOSED	Start date:	2023-03-09
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:	FlatBuild_HH_MCE_FSE.M.R.user.01.00.0081
Need_Info:	--	Degrated:	No
Resolution:	FIXED	Verified Version:	
Severity:	Normal	Fixed Version:	2023-03-16
Reproducibility:	Every time	Root cause:	音量调节静音与非静音切换时，会多一个信息，导
Test Type:	ST		
Description			
【前提条件】			
1、设备正常启动			
【测试步骤】			
1、副屏连接中控			
2.打开副屏设置-声音			
3.从副屏设置中的音量调节条调节音量至0			
4.从副屏设置中心调节音量			
【预期结果】			
1、可以正常调节音量			
【实际结果】			
1、从0调节音量会回弹至0			

History

- #1 - 2023-03-09 16:53 - CD TEST-方永红
- Parent task changed from #111053 to #116840
- #2 - 2023-03-14 11:34 - Multimedia组-RD3_TSCD 梁卿山
- Status changed from New to ASSIGNED

Hi All,

■ 当前分析

926:03-12 01:30:43.526 1087 2158 D AudioIDCMicroNegotiator: idcm_common:requestResult method = setMute parameters = {"functionInfo":{"IDCM_VolumeMute_Media":"mute_on"}}

927:03-12 01:30:43.526 1087 2158 I MicroServiceManager: requestResult(setMute) parameters is{"functionInfo":{"IDCM_VolumeMute_Media":"mute_on"}}

949:03-12 01:30:43.745 1087 2158 D AS.AudioService: idcm_volume:setIDCMicroVolume(stream=3, index=17, calling=com.android.settings)

950:03-12 01:30:43.745 1087 2158 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume

951:03-12 01:30:43.745 1087 2158 D AudioIDCMicroNegotiator: idcm_common:requestResult method = setVolume parameters = {"functionInfo":{"IDCM_VolumeValue_Media":"17"}}

```
952:03-12 01:30:43.745 1087 2158 I MicroServiceManager: requestResult(setVolume) parameters is{"functionInfo":{"IDCM_VolumeValue_Media":"17"}}.
969:03-12 01:30:43.817 1087 5159 D AS.AudioService: idcm_volume:onSetIDCMicroAudioMute: mute_off
983:03-12 01:30:44.346 1087 2158 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume return null
984:03-12 01:30:44.346 1087 2158 W AS.AudioService: idcm_warn: fail to set Vol: 17, response: null
985:03-12 01:30:44.347 1087 2158 W AS.AudioService: idcm_warn: exception: java.lang.Exception: fail to set Vol: 17
1027:03-12 01:30:44.430 1087 2158 D AS.AudioService: idcm_volume:==> use the old index: 0 isStreamMute = false
1035:03-12 01:30:44.463 1087 5460 D AudioIDCMicroNegotiator: idcm_volume:onSetIDCMicroVolume mIsTimeout= true value = 17 isRequested=true
```

当音量从0，调节到17时，主屏收到了调节的通知并调节了音量，但是没有通知副屏，导致副屏音量保持了原状。

■ 下一步

咨询中控的开发者进行复现。

#3 - 2023-03-14 17:43 - 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-程天颖

Hi 天颖,

■ 当前分析

当前遇到两个问题：

1.在调节音量为0后，再去将音量调节至大于0时，会给中控发送mute on/off。

该行为经过调查，在调节为0后，direction会传递AudioManager.ADJUST_MUTE（-100）或AudioManager.ADJUST_UNMUTE（100），这个是mute on/off的状态，当前副屏不能传递该参数，需要FW的同学来修改。

```
1713:03-12 01:56:14.239 1076 1601 D AS.AudioService: adjustStreamVolume() stream=3, dir=100, flags=0, caller=com.android.settings
1715:03-12 01:56:14.240 1076 1601 W System.err: java.lang.Exception
1716:03-12 01:56:14.240 1076 1601 W System.err: at
com.android.server.audio.AudioIDCMicroNegotiator.setIDCMicroAudioMute(AudioIDCMicroNegotiator.java:657)
1717:03-12 01:56:14.241 1076 1601 W System.err: at com.android.server.audio.AudioService.setIDCMicroAudioMute(AudioService.java:10876)
1718:03-12 01:56:14.241 1076 1601 W System.err: at com.android.server.audio.AudioService.adjustStreamVolume(AudioService.java:2995)
1719:03-12 01:56:14.241 1076 1601 W System.err: at com.android.server.audio.AudioService.adjustStreamVolume(AudioService.java:2845)
```

2.音量调节为0后，再去将音量调节至大于0时，音量条会反弹回至0；

该问题分析之后，发现在音量调节为20时，中控音量已经变化，并且通知到副屏，但是MicroService的onResponse未能回调到AudioIDCMicroNegotiator中的方法中。

```
1782:03-12 01:56:14.625 1076 2242 I MicroServiceManager: requestResult(setVolume) parameters is{"functionInfo":{"IDCM_VolumeValue_Media":"20"}}.
...
1802:03-12 01:56:14.670 2267 2353 D MicroService: getEvent: clientSocket = Socket[address=/192.168.4.4,port=46908,localPort=9999]
1803:03-12 01:56:14.670 2267 2353 D MicroService: run: called
1804:03-12 01:56:14.671 2267 2353 D MicroService: getEvent: start waiting...
1805:03-12 01:56:14.671 2267 5242 I MicroService: getStringByData(noZero): IDCM_CarAudioService
1806:03-12 01:56:14.672 2267 5242 I MicroService: getStringByData(noZero): FSEM_AudioService
1807:03-12 01:56:14.672 2267 5242 I MicroService: getStringByData:
{"srcService":"IDCM_CarAudioService","dstService":"FSEM_AudioService","methodName":"setVolume","messageType":1,"uuid":"1678557374626516769","parameters":{"functionInfo":{"IDCM_VolumeValue_Media":"20"}}}
1808:03-12 01:56:14.672 2267 5242 I MicroService: Receive message: SocketMessageBean{businessData='21930', srcService='IDCM_CarAudioService',
destService='FSEM_AudioService', messageType='1', uuid='1678557374626516769',
payloadData={"srcService":"IDCM_CarAudioService","dstService":"FSEM_AudioService","methodName":"setVolume","messageType":1,"uuid":"1678557374626516769","parameters":{"functionInfo":{"IDCM_VolumeValue_Media":"20"}}}}
1809:03-12 01:56:14.672 2267 5242 I MicroService: dealMessage: 1
```

1810:03-12 01:56:14.672 2267 5242 I MicroService: onResponse(setVolume): {"functionInfo":{"IDCM_VolumeValue_Media":"20"}}

1832:03-12 01:56:15.327 1076 2242 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume return null

■ 下一步

麻烦FW的同学调查一下，谢谢

#4 - 2023-03-14 19:10 - CD FW-程天颖

- Assignee changed from CD FW-程天颖 to CD FW-廖涛

#5 - 2023-03-15 16:54 - CD FW-廖涛

■ Current conclusion

处理验证完成。

■ My analysis

经过分析，Settings 中的 Seekbar 会绑定到 android.preference.SeekBarVolumizer 中进行音量设置同步，当调节到 0 或者从 0 调节到大于 0 的值时，会调用方法 adjustStreamVolume，发送 direction 为 AudioManager.ADJUST_UNMUTE 或 AudioManager.ADJUST_MUTE 的信号给中控。代码如下：

```
if (mMuted && mLastProgress > 0) {
    mAudioManager.adjustStreamVolume(mStreamType, AudioManager.ADJUST_UNMUTE, 0);
} else if (!mMuted && mLastProgress == 0) {
    mAudioManager.adjustStreamVolume(mStreamType, AudioManager.ADJUST_MUTE, 0);
}

mAudioManager.setStreamVolume(mStreamType, mLastProgress,
    AudioManager.FLAG_SHOW_UI_WARNINGS);
```

因中控不支持这两个信息，所以在上层去掉这里的逻辑，有 Audio 来处理。

问题 2 产生的原因是，多条消息串行处理导致处理超时，去掉 Mute 信号后仅存在一条消息，所以问题 2 也同步处理掉。

■ Next action

提交代码。

#6 - 2023-03-16 19:32 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
187769	general/platform/frameworks/base	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tao.liao@thundersoft.com
AF:Settings: Fix volume adjust problem when connect to IDCM.TC-RID: 1201-0201805IssueID: TS-R-BUG-116842Change-Id: I3e99f27f56d088b9864fa318b7abe05745c0275d			

#7 - 2023-03-16 19:34 - CD FW-廖涛

- Status changed from ASSIGNED to RESOLVED

- Assignee changed from CD FW-廖涛 to CD TEST-方永红

- % Done changed from 0 to 100
- Resolution changed from -- to FIXED
- Degrated changed from -- to No
- Fixed Version set to 2023-03-16
- Root cause set to 音量调节静音与非静音切换时，会多一个信息，导致与中控同步时消息阻塞。

■ Current conclusion

已处理，代码已入库。

■ My analysis

--

■ Next action

测试验证。

#8 - 2023-03-20 16:09 - CD TEST-方永红

- Assignee changed from CD TEST-方永红 to CD Test赵飞

#9 - 2023-03-21 11:42 - CD Test赵飞

- Status changed from RESOLVED to VERIFIED

验证版本：FlatBuild_HH_MCE_FSE.M.R.user.01.00.0084.C101

验证结果：PASS

#10 - 2023-03-21 11:43 - CD Test赵飞

- Status changed from VERIFIED to CLOSED

#11 - 2023-04-06 17:56 - CD Test赵飞

- File logcat.txt added

- File screen-20221111-010102.mp4 added

- Status changed from CLOSED to New

- Assignee changed from CD Test赵飞 to Multimedia组-RD3_TSCD 梁卿山

音量调节条回弹问题在4/6号release版本上复现

复现步骤：

- 1、副屏连接中控
- 2、副屏打开设置 - 声音
- 3、来回拖动音量调节条
- 3、在音量调节条上任意位置进行点击调节

新的日志与录屏见附件

#12 - 2023-04-06 17:57 - CD Test赵飞

- % Done changed from 100 to 0

#13 - 2023-04-12 10:03 - CD FW 曹覃刚

- Category changed from CD-FW to AUDIO-FW

#14 - 2023-04-18 16:16 - Multimedia组-RD3_TSCD 梁卿山
- Status changed from New to ASSIGNED
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to 物联网测试组_TSCD 王维

Hi 王维

该问题和117495同伴，请关闭这个问题，谢谢！

#15 - 2023-04-18 16:19 - 物联网测试组_TSCD 王维
- Status changed from ASSIGNED to RESOLVED

确认bug描述现象重复，由票号117495跟踪修复

#16 - 2023-04-18 16:19 - 物联网测试组_TSCD 王维
- Status changed from RESOLVED to VERIFIED

#17 - 2023-04-18 16:19 - 物联网测试组_TSCD 王维
- Status changed from VERIFIED to CLOSED

Files			
1651.txt	3.27 MB	2023-03-09	CD TEST-方永红
logcat.txt	804 KB	2023-04-06	CD Test赵飞
screen-20221111-010102.mp4	1.8 MB	2023-04-06	CD Test赵飞