

Status:	CLOSED	Start date:	2023-05-22
Priority:	Normal	Due date:	
Assignee:	物联网测试组_TSCD 王维	% Done:	0%
Category:	BSP	Estimated time:	0.00 hour
Target version:		Found Version:	副屏：01.00.0095.c103 中控：03.02.0080.C101
Need_Info:	--	Degrated:	No
Resolution:	DUPLICATE	Verified Version:	0722DB
Severity:	Normal	Fixed Version:	
Reproducibility:	Frequently	Root cause:	将mute的执行放在后台线程中执行，不卡主微服务
Test Type:	ST		
Description			
【环境信息】EE环境 【问题出现时间】：20230522 13点48分（第159次开机） 【前提条件】：车机上电（KL30ON，KL15 ON，已连接中控和功放，可正常输出声音） 1.中控设置-声音中，开启静音 2.副屏调节音量一格 3.检查副屏与中控的声音状态 【实际结果】 副屏端音量显示1格回弹至静音，显示静音图标；中控端显示音量1格，显示静音关闭状态。 【期望结果】 副屏与中控声音同步显示声音1格，非静音状态。 【备注】： 车架号VIN：HRYTTESTVINMGM400 中控端log可从云端获取 log地址：https://ofs.human-horizons.com/#/download/index/xDarUKDJ59E%3D 视频地址：https://ofs.human-horizons.com/#/download/index/ydzbDmBk2WI%3D 【影响版本】：副屏：01.00.0095.c103 中控：03.02.0080.C101 【硬件版本号】：/ 【是否能恢复】：			
Related issues:			
Related to Figure - Bug # 118141: 【IOVDEV-29698】【内部】【VC1】...		CLOSED	2023-05-22

#2 - 2023-05-22 20:38 - CD FW 曹覃刚

- Status changed from New to NEED_INFO
- Assignee changed from CD FW-廖涛 to CDTS_Test 吴诗雨
- Need_Info changed from -- to TEST

Hi 诗雨

这个音量条显示不正确的问题，我们应该改过好几个BUG

此问题我在新版本上没有复现，客户使用的是0095版本，已经快一个月了，能使用新版本验证下不，谢谢

#3 - 2023-05-23 14:27 - CDTS_Test 吴诗雨

- File 1423.txt added
- Assignee changed from CDTS_Test 吴诗雨 to CD FW 曹覃刚

本地复现，102版本。14：23复现回弹

#4 - 2023-05-23 20:24 - CD FW 曹覃刚

- Assignee changed from CD FW 曹覃刚 to CD FW-廖涛

#5 - 2023-05-24 15:34 - CD FW-廖涛

- Assignee changed from CD FW-廖涛 to CDTS_Test 吴诗雨
- Need_Info changed from TEST to --
- Resolution changed from -- to DUPLICATE

#6 - 2023-05-24 16:11 - CD FW-廖涛

- Assignee changed from CDTS_Test 吴诗雨 to CD FW-廖涛
- Need_Info changed from -- to TEST
- Resolution changed from DUPLICATE to --

■ Current conclusion

通过问题出现是的日志分析，在副屏请求将音量从静音调节为大于0的值（非静音）时，中控会先发送一条 mute_off 的音频请求消息，然后再回复一条音量值变更的消息。由于音频服务处理中控消息是串行的，所以在收到 mute_off 消息后先处理，在收到音量值变更回复时，前一条消息还没有处理完成，导致音量值变更回复接收超时（600ms）。最终导致音量回弹现象出现。

日志如下：

```
05-23 14:23:15.628 1234 4314 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume
05-23 14:23:15.628 1234 4314 D AudioIDCMicroNegotiator: idcm_common:requestResult method = setVolume parameters =
{"functionInfo":{"IDCM_VolumeValue_Media":"4"}}
05-23 14:23:15.628 1234 4314 I MicroServiceManager: requestResult(setVolume) parameters is{"functionInfo":{"IDCM_VolumeValue_Media":"4"}}.
05-23 14:23:15.633 2020 5084 D MicroService: Send message to IDCM:SocketMessageBean{businessData='21930', srcService='FSEM_AudioService',
destService='IDCM_CarAudioService', messageType='0', uuid='1684822995628914424',
payloadData={"srcService":"FSEM_AudioService","dstService":"IDCM_CarAudioService","messageType":"0","uuid":"1684822995628914424","methodName":"setVolume","parameters":{"functionInfo":{"IDCM_VolumeValue_Media":"4"}}}}
05-23 14:23:15.643 2020 5085 I MicroService: Receive message: SocketMessageBean{businessData='21930', srcService='IDCM_CarAudioService',
destService='FSEM_AudioService', messageType='0', uuid='531835616567',
payloadData={"srcService":"IDCM_CarAudioService","dstService":"FSEM_AudioService","methodName":"setMute","messageType":"0","uuid":"531835616567","parameters":{"functionInfo":{"IDCM_VolumeMute_Media":"mute_off"}}}}
05-23 14:23:15.643 2020 5085 I MicroService: onRequest(setMute): {"functionInfo":{"IDCM_VolumeMute_Media":"mute_off"}}
```

05-23 14:23:15.645 1234 2067 D AudioIDCMicroNegotiator: idcm_common:request from IDCM: method = setMute parameters = {"functionInfo":{"IDCM_VolumeMute_Media":"mute_off"}}

05-23 14:23:15.645 1234 2067 D AudioIDCMicroNegotiator: idcm_volume:onSetIDCMicroAudioMute mIsTimeout= false value = mute_off isRequested=false

05-23 14:23:15.645 1234 2067 D AS.AudioService: idcm_volume:onSetIDCMicroAudioMute: mute_off

05-23 14:23:15.658 2020 5086 I MicroService: Receive message: SocketMessageBean{businessData='21930', srcService='IDCM_CarAudioService', destService='FSEM_AudioService', messageType='1', uuid='1684822995628914424', payloadData={"srcService":"IDCM_CarAudioService","dstService":"FSEM_AudioService","methodName":"setVolume","messageType":1,"uuid":1684822995628914424,"parameters":{"functionInfo":{"IDCM_VolumeValue_Media":"4"}}}}

05-23 14:23:15.658 2020 5086 I MicroService: onResponse(setVolume): {"functionInfo":{"IDCM_VolumeValue_Media":"4"}}

05-23 14:23:15.665 0 0 E [533.592640] DTC_Display: screen not ready(0), bl_sta(1), lvl(53)

05-23 14:23:16.229 1234 4314 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume return null

05-23 14:23:16.229 1234 4314 W AS.AudioService: idcm_warn: fail to set Vol: 4, response: null

05-23 14:23:16.229 1234 4314 W AS.AudioService: idcm_warn: exception: java.lang.Exception: fail to set Vol: 4

■ Next action

已和卿山沟通，目前讨论出的解决方案如下：

方案一：

副屏音量从静音变更为非静音时，中控只回复一条消息。

需要和中控沟通。

方案二：

音频服务在后台线程中处理消息（并行处理）。

需要卿山评估是否可行。

#7 - 2023-05-24 16:14 - CD FW-廖涛

- Status changed from NEED_INFO to ASSIGNED

- Need_Info changed from TEST to --

#8 - 2023-05-24 19:46 - CD FW-廖涛

- Category changed from CD-FW to AUDIO-FW

- Assignee changed from CD FW-廖涛 to Multimedia组-RD3_TSCD 梁卿山

#9 - 2023-05-25 16:25 - Multimedia组-RD3_TSCD 梁卿山

HI ALL

由于中控无法只回复一条消息；

我们采用方案2，我们将mute的执行放在后台线程中执行，不卡主微服务的转发。

当前本地测试OK。

#10 - 2023-05-26 10:09 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
202606	general/platform/frameworks/base	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tangyj0127@thundersoft.com

#11 - 2023-05-26 15:11 - Multimedia组-RD3_TSCD 梁卿山

- Status changed from ASSIGNED to RESOLVED
- Assignee changed from Multimedia组-RD3_TSCD 梁卿山 to CDTS_Test 吴诗雨
- Resolution changed from -- to FIXED
- Degrated changed from -- to No
- Root cause set to 将mute的执行放在后台线程中执行，不卡主微服务的转发。

HI 诗雨

优化代码已经投入，请使用5月26日后的版本进行验证，谢谢！

#12 - 2023-06-02 18:25 - CDTS_Test 吴诗雨

- Status changed from RESOLVED to VERIFIED

已同步

#13 - 2023-06-02 18:25 - CDTS_Test 吴诗雨

- Status changed from VERIFIED to CLOSED

#14 - 2023-06-07 19:12 - CDTS_Test 吴诗雨

- File 14点24分音量回弹至静音.mp4 added
- File 14点24分调节音量，音量条回弹.7z added
- Status changed from CLOSED to New
- Assignee changed from CDTS_Test 吴诗雨 to Multimedia组-RD3_TSCD 梁卿山

复现率降低，原先很容易复现，现状复现率约为1/10。

14点24分音量回弹至静音.mp414点24分调节音量，音量条回弹.7z

#15 - 2023-06-07 19:41 - 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-程天颖

HI ALL

根据日志分析：

该次问题是由于微服务出现报错导致调节音量失败，然后出现回弹。

```
103514:06-03 14:24:41.223 1544 8172 D AS.AudioService: idcm_volume:setIDCMicroVolume(stream=3, index=1, calling=com.android.settings)
103515:06-03 14:24:41.223 1544 8172 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume
103516:06-03 14:24:41.223 1544 8172 D AudioIDCMicroNegotiator: idcm_common:requestResult method = setVolume parameters =
{"functionInfo":{"IDCM_VolumeValue_Media":"1"}}
103517:06-03 14:24:41.223 1544 8172 I MicroServiceManager: requestResult(setVolume) parameters is{"functionInfo":{"IDCM_VolumeValue_Media":"1"}}.
```

103518:06-03 14:24:41.237 2043 29061 E MicroService: DTC_ETH: BaseMicroSocketClient.createClientSocket()
103519:06-03 14:24:41.237 2043 29061 E MicroService: java.net.ConnectException: failed to connect to /192.168.4.4 (port 9999) from /192.168.4.16 (port 34147):
connect failed: ECONNREFUSED (Connection refused)
103520:06-03 14:24:41.237 2043 29061 E MicroService: at libcore.io.IoBridge.connect(IoBridge.java:188)
103521:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.PlainSocketImpl.socketConnect(PlainSocketImpl.java:142)
103522:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.AbstractPlainSocketImpl.doConnect(AbstractPlainSocketImpl.java:390)
103523:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.AbstractPlainSocketImpl.connectToAddress(AbstractPlainSocketImpl.java:230)
103524:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.AbstractPlainSocketImpl.connect(AbstractPlainSocketImpl.java:212)
103525:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.SocksSocketImpl.connect(SocksSocketImpl.java:436)
103526:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.Socket.connect(Socket.java:621)
103527:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.Socket.connect(Socket.java:570)
103528:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.Socket.<init>(Socket.java:450)
103529:06-03 14:24:41.237 2043 29061 E MicroService: at java.net.Socket.<init>(Socket.java:292)
103530:06-03 14:24:41.237 2043 29061 E MicroService: at
com.thundercomm.microservice.base.BaseMicroSocketClient.createClientSocket(BaseMicroSocketClient.java:20)
103531:06-03 14:24:41.237 2043 29061 E MicroService: at
com.thundercomm.microservice.MicroSocketClient.lambda\$sendMessage\$0\$MicroSocketClient(MicroSocketClient.java:72)
103532:06-03 14:24:41.237 2043 29061 E MicroService: at com.thundercomm.microservice.MicroSocketClient\$\$ExternalSyntheticLambda1.run(Unknown
Source:4)
103533:06-03 14:24:41.237 2043 29061 E MicroService: at java.lang.Thread.run(Thread.java:920)
103534:06-03 14:24:41.237 2043 29061 E MicroService: Caused by: android.system.ErrnoException: connect failed: ECONNREFUSED (Connection refused)
103535:06-03 14:24:41.237 2043 29061 E MicroService: at libcore.io.Linux.connect(Native Method)
103536:06-03 14:24:41.237 2043 29061 E MicroService: at libcore.io.ForwardingOs.connect(ForwardingOs.java:204)
103537:06-03 14:24:41.237 2043 29061 E MicroService: at libcore.io.BlockGuardOs.connect(BlockGuardOs.java:157)
103538:06-03 14:24:41.237 2043 29061 E MicroService: at libcore.io.ForwardingOs.connect(ForwardingOs.java:204)
103539:06-03 14:24:41.237 2043 29061 E MicroService: at libcore.io.IoBridge.connectErrno(IoBridge.java:202)
103540:06-03 14:24:41.237 2043 29061 E MicroService: at libcore.io.IoBridge.connect(IoBridge.java:180)
103541:06-03 14:24:41.237 2043 29061 E MicroService: ... 13 more
104149:06-03 14:24:41.824 1544 8172 D AudioIDCMicroNegotiator: idcm_volume:setIDCMicroVolume return null
104150:06-03 14:24:41.824 1544 8172 W AS.AudioService: idcm_warn: fail to set Vol: 1, response: null
104151:06-03 14:24:41.824 1544 8172 W AS.AudioService: idcm_warn: exception: java.lang.Exception: fail to set Vol: 1
104209:06-03 14:24:41.853 1544 8172 D AS.AudioService: idcm_volume:==> adjustStreamMute: isStreamMute = false

下一步：
请天颖帮忙分析一下报错的问题，谢谢！

#16 - 2023-06-08 13:41 - CD FW-程天颖
- Category changed from AUDIO-FW to BSP
- Assignee changed from CD FW-程天颖 to CD_BSP 彭文亮

Hi,文亮
根据日志分析是网络连接失败
103519:06-03 14:24:41.237 2043 29061 E MicroService: java.net.ConnectException: failed to connect to /192.168.4.4 (port 9999) from /192.168.4.16 (port 34147): connect
failed: ECONNREFUSED (Connection refused)
帮忙分析一下为什么网络会连接出现问题

#17 - 2023-06-12 11:23 - CD TPM-王祥林
- Status changed from ASSIGNED to RESOLVED

- Resolution changed from FIXED to DUPLICATE

在JIRA上跟踪，内部关闭此票。

#18 - 2023-06-12 11:24 - CD TPM-王祥林
- Assignee changed from CD_BSP 彭文亮 to CDTS_Test 吴诗雨

#19 - 2023-06-12 16:00 - SZTS_TEST 邹涛
- Status changed from RESOLVED to VERIFIED

在FlatBuild_HH_MCE_FSE.M.D.user.01.00.C104.202306100050版本验证通过

#20 - 2023-07-24 17:49 - CDTS_TEST 王成
- Assignee changed from CDTS_Test 吴诗雨 to 物联网测试组_TSCD 王维

#21 - 2023-07-24 18:07 - 物联网测试组_TSCD 王维
- Status changed from VERIFIED to CLOSED
- Verified Version set to 0722DB

验证结果：PASS
验证方法：执行复现步骤数十次未复现bug

Files			
13点48分副屏调节音量，音量回弹.mp4	21.2 MB	2023-05-22	CDTS_Test 吴诗雨
1423.txt	2.72 MB	2023-05-23	CDTS_Test 吴诗雨
14点24分音量回弹至静音.mp4	3.41 MB	2023-06-07	CDTS_Test 吴诗雨
14点24分调节音量，音量条回弹.7z	624 KB	2023-06-07	CDTS_Test 吴诗雨