



ITTIAM- AACDEC-UG

User Guide

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Revision History

Version	Date	Changes
1.0	August 07, 2009	Original
1.1	March 22, 2010	Updated for OMX IL testbench

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1. Component Placement

Copy Ittiam's OMX IL component to OMX IL audio source directory in Android BSP installation.

```
cp -rf <rel_dir>/ittiam-sw/omxil/auddec/aac_dec_ittiam
<android_bsp>/25.x/mydroid/hardware/ti/omx/audio/src/openma
x_il/
```

2. Build instructions

Modify top-most level of OMX makefile for including Ittiam's OMX IL component builds. Add following lines to the makefile <android_bsp>/25.x/mydroid/hardware/ti/omx/Android.mk after the comment

#call to audio.

```
include $(TI_OMX_AUDIO)/aac_dec_ittiam/Android.mk
```

Build the file system at the top-most level.

```
cd <android_bsp>/25.x/mydroid
make
```

Note Ensure that PATH environment variable contains path for ARM tool-chain.

Ittiam's OMX IL component gets generated at

```
<android_bsp>/25.x/mydroid/out/target/product/zoom2/system/
lib/libOMX.ITTIAM.AAC.decode.so
```

3. Execution instructions

Copy OMX IL component to target's file system at

```
/system/lib/libOMX.ITTIAM.AAC.decode.so  
/system/bin/IttiamAacDecoder_Test
```

Run the following commands in the target to execute the component using OMX-IL sample testbench

```
cd /system/bin/  
  
./IttiamAacDecoder_Test <input_file.raw> <outfile.pcm>  
<frame mode enable> <test case> <bit width of pcm> <downmix to  
stereo> <number of input buffers> <number of output buffers>
```

Eg:-

```
./IttiamAacDecoder_Test al05_48.adts al05_48.pcm 0 1 16 0 1 1
```