



ITTIAM- MP3DEC-UG

User Guide

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Revision History

Version	Date	Changes
1.0	October 6, 2009	Original

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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/mp3_dec_ittiam  
<android_bsp>/25.11/mydroid/hardware/ti/omx/audio/src/openm  
ax_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>/25.11/mydroid/hardware/ti/omx/Android.mk after the comment

```
#call to audio.
```

```
include $(TI_OMX_AUDIO)/mp3_dec_ittiam/Android.mk
```

Build the file system at the top-most level.

```
cd <android_bsp>/25.11/mydroid  
make
```

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

Ittiam's OMX IL component gets generated at

```
<android_bsp>/25.11/mydroid/out/target/product/zoom2/system  
/lib/libOMX.ITTIAM.MP3.decode.so  
<android_bsp>/25.11/mydroid/out/target/product/zoom2/system  
/bin/Mp3Decoder_Test
```


3. Execution instructions

Copy OMX IL component to target's file system at

```
/system/lib/libOMX.ITTIAM.MP3.decode.so
```

Use PV Player Command Line application to test the component. The output file gets generated in the current directory with the name `test_player_<test_case_name>_<testvector>_audio.dat`.

Example:

```
./pvplayer_engine_test -source hihat.mp3 -test 27 27
```

```
source - <Input test vector>
```

```
test x y - Specify the testcases from 'x' to 'y'
```