Design Advisory - USB Audio DFU (DAUSBAUDIODFU120111R)

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1 Introduction

XMOS has identified the following issue with DFU in the USB Audio reference design release v3.3 and the USB Audio Multi-Channel reference design v5.3: the installation of the first upgrade image using DFU occurs successfully, but subsequent upgrades will fail.

2 Workaround

This issue can be worked around by first reverting to the factory image before adding the new upgrade image. The XMOS Application note on DFU usage (including instructions for reverting to factory images) can be downloaded here:

http://www.xmos.com/published/dfu-user-guide

3 Solution

The issue can be fixed by modifying the dfu.xc source file in module_dfu/src. At line 142 the following line is within a #if 0 block:

```
HandleUserDeviceRequest(FLASH_CMD_ERASE_ALL, 1, 0, cmd_data, c_user_cmd);
```

This #if 0 should be made #if 1 so the above line is now executed.

XMOS advise that this change is made to all applications supporting DFU.