



## Device Advisory: XS1-L0x-xxxx-xx-THS device availability

### Introduction

The XMOS USB Audio Device firmware supports both USB Audio Class 1.0 and USB Audio Class 2.0. Operation as a USB Audio Class 2.0 device is preferred because of its extended feature set and use of USB 2.0.

However, Windows only provides support for USB Audio Class 1.0. To use a USB Audio Class 2.0 device under Windows requires a driver.

Through a licensing agreement created in 2010 with Thesycon, XMOS was/is able to provide a production version of the Thesycon 'TUSBAudio USB Audio 2.0 Class Driver for Windows' for use with specific versions of XMOS's xCORE-GeneralPurpose (L-series) of devices.

Such devices are identified by a –THS part number suffix and include a small cost adder (over equivalent non –THS devices) as a driver licensing fee.

### Applicable devices

This advisory covers all –THS suffix devices:

- XS1-L01A-TQ48-C4-THS
- XS1-L01A-LQ64-C4-THS
- XS1-L01A-TQ128-C4-THS
- XS1-L02A-QF124-C4-THS
- XS1-L01A-TQ48-C5-THS
- XS1-L01A-LQ64-C5-THS
- XS1-L01A-TQ128-C5-THS
- XS1-L02A-QF124-C5-THS

### Driver support model revision

In 2013 Thesycon and XMOS moved to a new Windows driver model; under which XMOS can provide customers with:

- An **Evaluation Driver**: a fully featured evaluation version of the Thesycon USB Audio 2.0 Class Driver for Windows.
- An **XMOS Stereo Driver**: a free production ready stereo only version of the Thesycon Driver, locked to the XMOS USB VendorID and XMOS assigned customer ProductIDs.
- A path to a **fully featured Production Driver**: contact Thesycon directly.

More details of the Windows driver support model are available from:

[www.xmos.com/published/usb-audio-20-stereo-driver-windows-overview](http://www.xmos.com/published/usb-audio-20-stereo-driver-windows-overview)

All of the above driver options may be used with any XMOS device, thus removing the requirement to use –THS versions of XMOS devices.



## **-THS device availability**

In April 2013 availability of –THS devices, and the associated production driver, was restricted to existing customers<sup>1</sup> only.

–THS devices remain in mass production and continue to be available to existing customers<sup>1</sup>.

XMOS will decline any requests for –THS devices from new customers<sup>2</sup>.

## **Production driver support for –THS devices**

The Windows production driver for –THS devices continues to be available from [xmos.com](http://xmos.com) for existing customers<sup>1</sup>.

However, as of 1st April 2013, the version of the –THS Windows production driver available from [xmos.com](http://xmos.com) is frozen at v1.61.

XMOS is not able to provide any updates to the Windows production driver for –THS devices.

## **Migration options**

Existing –THS customers<sup>1</sup> have several options going forward:

1. Continue to purchase –THS devices and continue to use v1.61 of the –THS Windows production driver, as available from [xmos.com](http://xmos.com).
2. Continue to purchase –THS devices.  
Contact Thesycon directly and execute a new support agreement under which Thesycon can provide updates to the –THS Windows production driver free-of-charge<sup>3</sup>.
3. Continue to purchase –THS devices.  
Request an instance of the (free) XMOS Stereo Driver using form:  
[www.xmos.com/published/xmos-stereo-driver-request-form](http://www.xmos.com/published/xmos-stereo-driver-request-form)  
Optionally, also consider a bill-of-materials change from a –THS device to the equivalent non –THS device (drop-in replacement).

For new USB audio designs, XMOS recommends migrating to an xCORE-USB (U-series) device and using either the XMOS Stereo Driver, or a fully featured driver licensed directly from Thesycon.

## **Thesycon contact details**

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[www.thesycon.de/usbaudio](http://www.thesycon.de/usbaudio)

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<sup>1</sup> An existing customer is defined as a customer who has already purchased –THS devices prior to 1st April 2013.

<sup>2</sup> A new customer is defined as a customer who has never purchased –THS devices.

<sup>3</sup> Contact Thesycon directly for full details about the availability of –THS Windows production driver updates. Eligibility will be verified between XMOS and Thesycon against customer purchase history and any driver updates will remain licensed for use with –THS devices only.