

High Resolution Delay Example

This example demonstrates how to use the microphone array library with the high resolution delay lines to capture samples from the microphone array. The example is designed to show up to 8 channel array processing.

Required tools and libraries

The code in this application note is known to work on version 14.2.0 of the xTIMEcomposer tools suite, it may work on other versions.

The application does not have any dependencies (i.e. it does not rely on any libraries).

Required hardware

The example requires the XMOS microphone array reference design v1.

Prerequisites

- This document assumes familiarity with the XMOS xCORE architecture, the XMOS tool chain and the xC language. Documentation related to these aspects which are not specific to this application note are linked to in the references appendix.
- For descriptions of XMOS related terms found in this document please see the XMOS Glossary.
- The lib_mic_array user guide should be thoroughly read and understood.