
A startKIT tic-tac-toe demo

This application demonstrates several aspects of I/O on the startKIT and programming XMOS devices by allowing the user to play a game of tic-tac-toe on the startKIT.

The LED grid is used as the game board and the buttons and capacitive sensors are used for input.

Required tools and libraries

- xTIMEcomposer Tools - Version 14.0
- startKIT support library (lib_startkit_support) - Version 1.0.0

Required hardware

This application note is designed to run on the XMOS startKIT.

Prerequisites

- This document assumes familiarity with the XMOS xCORE architecture, the XMOS GPIO library, 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 Glossary¹.

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¹<http://www.xmos.com/published/glossary>