Get started with xTIMEcomposer

1   Start xTIMEcomposer Studio

To start xTIMEcomposer Studio:

In Windows:

Choose **Start ▸ Programs ▸ XMOS ▸ xTIMEcomposer_13 ▸ xtimecomposer**.

In **OS X**:

Open a new Finder window, navigate to the **Applications** folder, open the folder **XMOS_xTIMEcomposer_13** and double-click on the **xtimecomposer.app** icon.

In Linux:

Open a terminal window, change to the installation directory and enter the following commands:

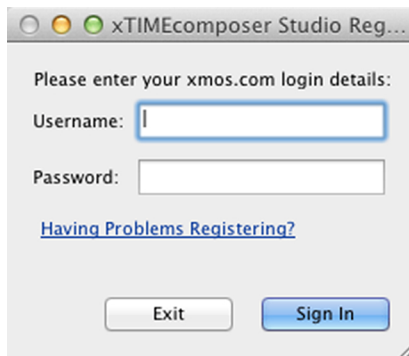▸ `source SetEnv`

▸ `xtimecomposer`

1.1   Register xTIMEcomposer

The first time you start xTIMEcomposer Studio, you are required to register the tools with your XMOS account so you must be connected to the internet.

Once you have registered xTIMEcomposer you can use the tools offline although we recommend that you remain connected as often as possible in order to download the latest versions of software and documentation.

Registration provides benefits such as automatic notifications of document and software updates directly within the Studio, and the option to manage account settings from within the tools.

Figure 1:
xTIMEcomposer
Studio
registration
window

2   Start the command-line tools

The xTIMEcomposer command-line tools use a set of environment variables when searching for header files, libraries and target devices (see XM-000927-PC). To add the xTIMEcomposer tools to the path and configure the default set of environment variables:

In **Windows**:

Choose **Start ▶ Programs ▶ XMOS ▶ xTIMEcomposer_13 ▶ Command Prompt**.

In **OS X**:

Open a Terminal window, change to the installation directory and enter the following command:
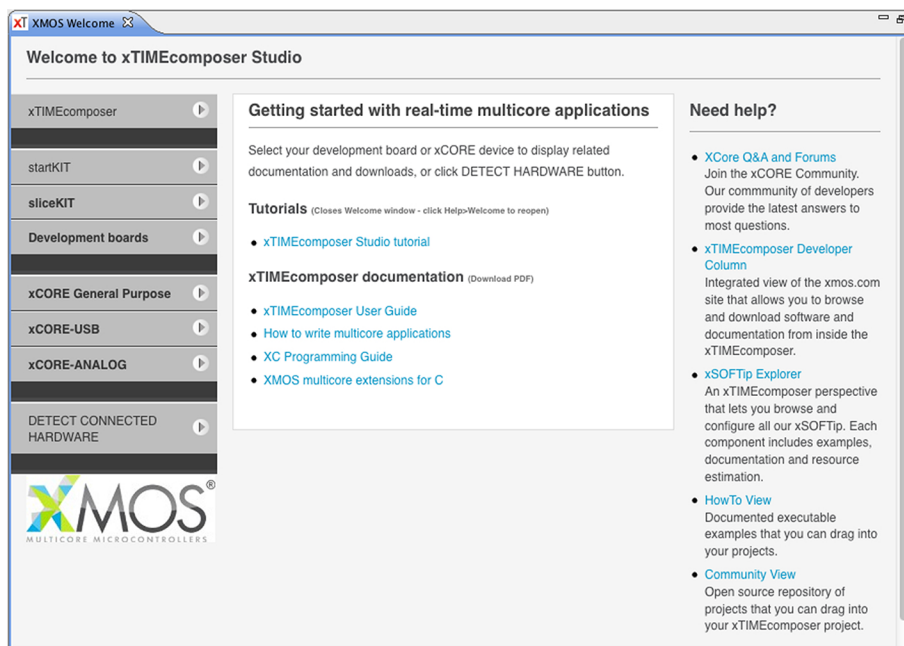
▶ `SetEnv.command`

In **Linux**:

Open a Terminal window, change to the installation directory and enter the following command:

▶ `source SetEnv`

You can now run any of the tools by entering its name and command-line options. Some of the most common commands are summarized in the following section.

3 Welcome window

The **Welcome** window in xTIMEcomposer Studio provides a convenient starting point for all users, including developers who are new to XMOS and experienced users.

Developers with an xCORE development board, can use the page to check their board is working correctly, download firmware and find kit-specific documentation or tutorials. Those who do not have a board you can follow a tools tutorial using the simulator or download xTIMEcomposer related documentation and programming guides.
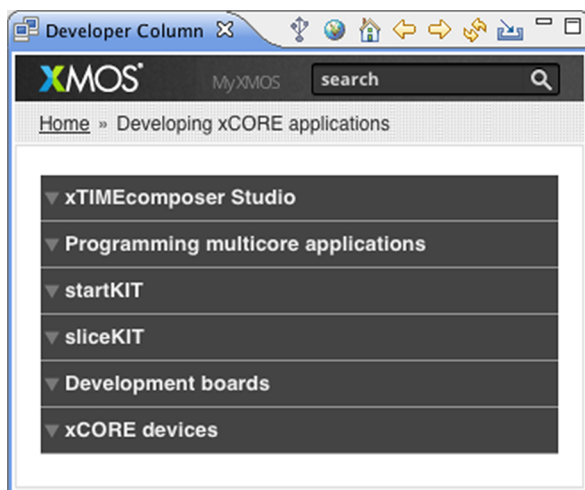
In xTIMEcomposer Studio, choose **Help ▶ Welcome** to view the Welcome window at any time.

4 Developer Column

The xTIMEcomposer *Developer Column* contains a web bowser that displays all the information developers need when writing real-time multicore applications, including:

▶ a live view of the XMOS website (xmos.com), allowing users to download the latest software and documentation from within the development tools, as well as managing their XMOS account;

▶ documentation and examples for xCORE resources such as xSOFTip or HowTo examples, as you select them in the xTIMEcomposer perspectives;

▶ interactive tutorials that show you how to use XMOS development kits and program real-time multicore applications are also displayed in the *Developer Column*. Tutorials are loaded into the *Developer Column* using **Help ▶ Tutorials**.

Figure 3:
xTIMEcomposer
Studio
Developer
Column

Developers navigate the content using the Developer Column toolbar, which provides the following options:

Detect connected hardware checks for any connected hardware and displays links to the latest software and documentation related to the hardware. If no hardware is available the latest resources for xTIMEcomposer are displayed.

Home loads the default Developer Column home page that displays content related to the tools, development boards and silicon devices.

Local Home loads the home page for xTIMEcomposer and programming content that has been downloaded and stored offline using the *Update offline content* option.

Back and Forward navigate between the next and previous web pages in the Developer Column.

Refresh reloads the current web page.

Update offline content downloads to your local drive the documentation for xTIMEcomposer and programming C applications so they can be used in the Developer Column when xTIMEcomposer is offline.

The *Developer Column* can be displayed at any time using **Window ▶ Show View ▶ Developer Column**.

XMOS®

Copyright © 2013, All Rights Reserved.