

Maxim Integrated MAX32666FTHR Getting Started with the Using Eclipse User Guide

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MAX32666FTHR Getting Started with the Using Eclipse



Getting Started with the MAX32666FTHR Using Eclipse

UG7527; Rev 0; 8/21

Abstract

This user guide contains detailed information about how to use the MAX32666FTHR application platform. This document must be used in conjunction with the corresponding [Maxim Micro SDK Installation and Maintenance User Guide](#).

Introduction

The MAX32666FTHR provides a complete hardware platform to develop software applications using the Arm®-based low-power microcontrollers. These platforms are mainly aimed at the rapid development of battery optimized Bluetooth® 5 solutions, and to take advantage of the MAX32666 low-power features, and the board's 6-axis accelerometer/gyro and micro-SD card connector.

The document gives details about creating, building, running, and debugging examples for the MAX32666FTHR.

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How to Start a MAX32666 Example Project

Prerequisites

Before creating a MAX32666FTHR example, install the latest MSDK version. For details of the installation process, refer to the [MaximSDK Installation and Maintenance User Guide](#).

Create the Example Project

1 Run the Eclipse™ Maxim Integrated® desktop app.

2 Select the workspace folder to save the example project and click Launch. Choose a path that contains no spaces.

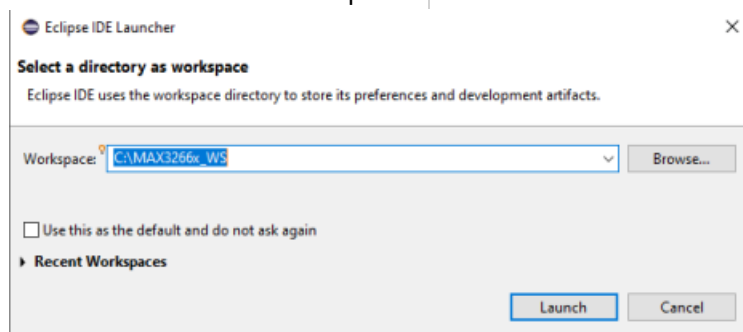


Figure 1. Workspace selection.

3 Go directly to the workspace by clicking the orange play button (Workbench) in the top right corner.



Figure 2. Workbench button.

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4 Start the wizard by clicking File > New > Project...

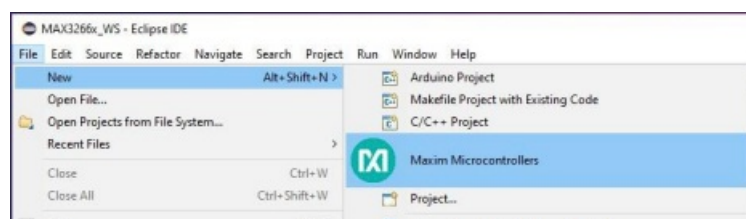


Figure 3. Create a new project.

5 Enter the project name and click Next.

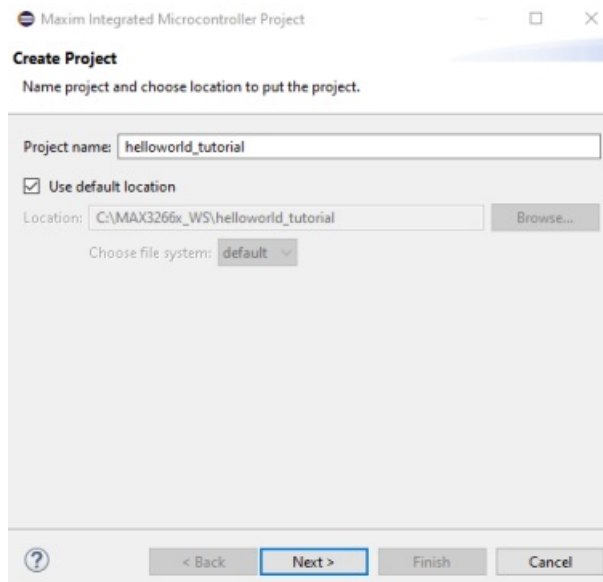


Figure 4. Enter the project name.

- 6 Select chip type, board type, example type, and adapter type.

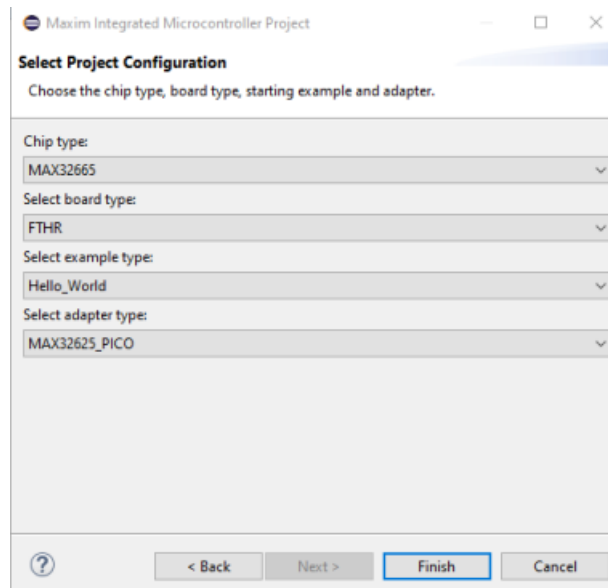


Figure 5. Select project configuration.

Build the Example Project

- BUILD: To build the example project, right-click on the project and select Build Project.

Debug the project with the following steps:

- 1 Click the arrow at the right of the bug button and select the project from the dropdown.

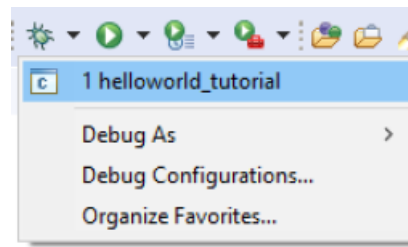


Figure 9: Debugging the example project.

Use the debugger in Eclipse to debug the source code, monitor variables, set breakpoints, and watch events during the code execution. To run the example, click Resume on the toolbar.

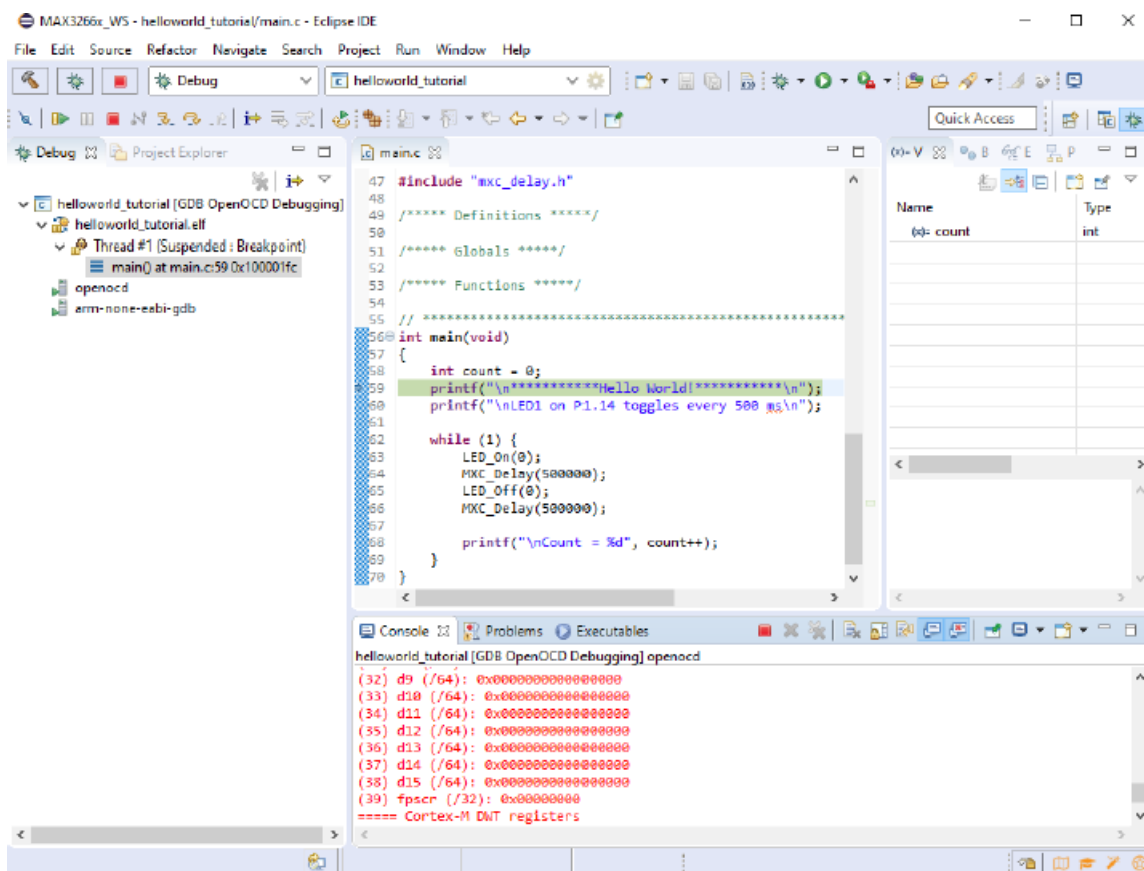



Figure 10. Run an example in the Eclipse debug window.

Revision History

REV NUMBER	REV DATE	DESCRIPTION	PAGES CHANGED
0	8/21	Initial release	—

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Documents / Resources

	<p>Maxim Integrated MAX32666FTHR Getting Started with the Using Eclipse [pdf] User Guide MAX32666FTHR Getting Started with the Using Eclipse, MAX32666FTHR, Getting Started with the Using Eclipse, Started with the Using Eclipse, Using Eclipse, Eclipse</p>
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