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# Lock handling Library

This library provides access to hardware and software locks for use in concurrent C programs. In general it is not safe to use these to marshall within XC due to the assumptions XC makes about safe concurrent data access.

Two types of locks are provided. Hardware locks are fast and power efficient but there are a limited number per tile. Software locks are slower but you can use an unlimited number of them.

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## Software version and dependencies

This document pertains to version 2.0.1 of this library. It is known to work on version 14.0.2 of the xTIMEcomposer tools suite, it may work on other versions.

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