

How to wait for a period of time using a timer

version	1.1.1
scope	Example. This code is provided as example code for a user to base their code on.
description	How to wait for a period of time using a timer
boards	Unless otherwise specified, this example runs on the SliceKIT Core Board, but can easily be run on any XMOS device by using a different XN file.

Timers can be used to pause a task until a certain amount of time has passed. First input the current time from the timer:

```
t := start_time;
```

Next compute the time you want the task to wait until, by adding the desired number of timer ticks to the start time:

```
end_time = start_time + 123;
```

Finally use the following statement to wait for end_time to be reached:

```
t when timerafter(end_time) :=> void;
```