

been started, but when this is done the timer will not actually start until the RTOS scheduler is started, and the timers expiry time will be relative to when the RTOS scheduler is started, not relative to when xTimerStart() was called.

The configUSE_TIMERS configuration constant must be set to 1 for xTimerStart() to be available.

Parameters:

xTimer The handle of the timer being started/restarted.

xBlockTime Specifies the time, in ticks, that the calling task should be held in the Blocked state to wait for the start command to be successfully sent to the timer command queue, should the queue already be full when xTimerStart() was called. xBlockTime is ignored if xTimerStart() is called before the RTOS scheduler is started.

Returns:

pdFAIL will be returned if the start command could not be sent to the timer command queue even after xBlockTime ticks had passed. pdPASS will be returned if the command was successfully sent to the timer command queue. When the command is actually processed will depend on the priority of the timer service/daemon task relative to other tasks in the system, although the timers expiry time is relative to when xTimerStart() is actually called. The timer service/daemon task priority is set by the configTIMER_TASK_PRIORITY configuration constant.

Example usage:

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See the example on the xTimerCreate() documentation page.

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