

# EMT-ClockLibrary Reference Manual

Generated by Doxygen 1.8.9.1

Thu Jun 18 2015 15:03:29



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# Chapter 1

## Class Index

### 1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<a href="#">Clock</a>	RTOS <a href="#">Clock</a> as an object . . . . .	<a href="#">5</a>
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## Chapter 2

# File Index

### 2.1 File List

Here is a list of all documented files with brief descriptions:

<a href="#">Clock.h</a>	Library header . . . . .	7
<a href="#">rtosGlobals.h</a>	Global variables for Energia MT project . . . . .	8
<b>rtosTasks.h</b>	. . . . .	??





## Chapter 3

# Class Documentation

### 3.1 Clock Class Reference

RTOS [Clock](#) as an object.

```
#include <Clock.h>
```

#### Public Member Functions

- [Clock](#) ()  
*Define the [Clock](#).*
- void [begin](#) (void(\*ClockFunction)(void), uint32\_t ClockTimeOut\_ms, uint32\_t ClockPeriod\_ms=0)  
*Create the [Clock](#).*
- void [start](#) ()  
*Start the [Clock](#).*
- void [stop](#) ()  
*Stop the [Clock](#).*

#### 3.1.1 Detailed Description

RTOS [Clock](#) as an object.

The RTOS [Clock](#) is encapsulated as a C++ object for easier use

##### Note

Multiple [Clock](#) objects possible.

#### 3.1.2 Member Function Documentation

3.1.2.1 void [Clock::begin](#) ( void(\*) (void) *ClockFunction*, uint32\_t *ClockTimeOut\_ms*, uint32\_t *ClockPeriod\_ms* = 0 )

Create the [Clock](#).

##### Parameters

<i>ClockFunction</i>	function to be called
----------------------	-----------------------

<i>ClockTimeout_</i> <i>_ms</i>	initial start delay
<i>ClockPeriod_</i> <i>_ms</i>	period in ms, default = 0 for one-shot

**Note**

The function must be void ClockPeriod\_ms()

```
void ClockPeriod_ms()  
{  
    digitalWrite(RED_LED, HIGH);  
}
```

The documentation for this class was generated from the following files:

- [Clock.h](#)
- Clock.cpp

## Chapter 4

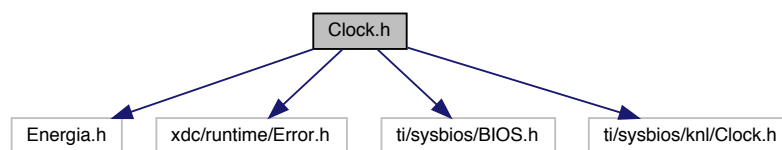
# File Documentation

### 4.1 Clock.h File Reference

Library header.

```
#include <Energia.h>
#include <xdc/runtime/Error.h>
#include <ti/sysbios/BIOS.h>
#include <ti/sysbios/knl/Clock.h>
```

Include dependency graph for Clock.h:



### Classes

- class `Clock`  
*RTOS `Clock` as an object.*

#### 4.1.1 Detailed Description

Library header.

`Clock` Library for Energia MT

**Project** EMT-ClockLibrary

Developed with `embedXcode+`

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**Date**

Rei Vilo, Jun 17, 2015 09:59

**Version**

101

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**See also**

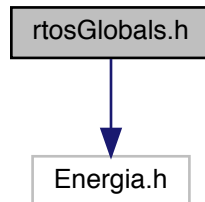
ReadMe.txt for references

## 4.2 rtosGlobals.h File Reference

Global variables for Energia MT project.

```
#include "Energia.h"
```

Include dependency graph for rtosGlobals.h:



### 4.2.1 Detailed Description

Global variables for Energia MT project.

[Clock](#) Library for Energia MT

Developed with [embedXcode+](#)

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18/06/2015 09:49

### Version

102

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### See also

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