

Galaxia Library Suite

201

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Chapter 1

Todo List

Member `SWItrigger::begin` (`uint8_t` trigger, `void(*functionSWItrigger)()`)

The idea is to have the same function as for Wire library with `Wire.onReceive(void (*ReceiveEvent)(int))` and `void ReceiveEvent(int howMany)`

Chapter 2

Deprecated List

Class [SWI](#)

[SWI](#) is no longer included in RTOS for Energia 0101E0017

Class [SWItrigger](#)

[SWI](#) and thus [SWItrigger](#) are no longer included in RTOS for Energia 0101E0017

Chapter 3

Bug List

Member [Clock::begin](#) (void(*ClockFunction)(void), uint32_t ClockTimeOut_ms, uint32_t ClockPeriod_ms=0)

Some functions like Serial.print(); don't work :(

Class [HWI](#)

Reuse of msp432/cores/msp432/WInterrupts.c based on ti/drivers/GPIO.h. [HWI](#) impementation?

Member [SWItrigger::begin](#) (uint8_t trigger, void(*functionSWItrigger)())

functionSWItrigger(uint8_t) with uint8_t = Swi_getTrigger() doesn't work.

Member [Timer::begin](#) (void(*timerFunction)(void), uint32_t timerPeriod_unit, uint32_t unit=1000)

Some fucntions like Serial.print(); don't work :(

Chapter 4

Class Index

4.1 Class List

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File Index

5.1 File List

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Chapter 6

Class Documentation

6.1 Clock Class Reference

RTOS [Clock](#) as an object.

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

Public Member Functions

- [Clock](#) ()
Define the [Clock](#).
- [~Clock](#) ()
Delete 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](#).

6.1.1 Detailed Description

RTOS [Clock](#) as an object.

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

Note

Multiple [Clock](#) objects possible.

6.1.2 Member Function Documentation

6.1.2.1 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_ms</i>	initial start delay
<i>ClockPeriod_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);
}
```

Bug Some functions like `Serial.print()`; don't work :(

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

- `/Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Clock.h`
- `/Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Clock.cpp`

6.2 Event Class Reference

RTOS [Event](#) as object.

```
#include <Event.h>
```

Public Member Functions

- [Event](#) ()
Define the event.
- void [begin](#) ()
Create the event.
- void [send](#) (xdc_UInt eventId_number=Event_Id_00)
Raise the event.
- uint32_t [waitFor](#) (xdc_UInt andMask=Event_Id_00, xdc_UInt orMask=Event_Id_NONE)
Wait for the event.

6.2.1 Detailed Description

RTOS [Event](#) as object.

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

Note

Only a single [Task](#) can pend on an [Event](#) object at a time.

6.2.2 Member Function Documentation

6.2.2.1 void Event::send (xdc_UInt eventId_number = Event_Id_00)

Raise the event.

Parameters

<code>eventId_number</code>	event identifier, default = Event_Id_00
-----------------------------	---

Note

Take event identifier among Event_Id_00..Event_Id_31

6.2.2.2 `uint32_t Event::waitFor (xdc_UInt andMask = Event_Id_00, xdc_UInt orMask = Event_Id_NONE)`

Wait for the event.

Parameters

<code>andMask</code>	AND condition, default = Event_Id_00
<code>orMask</code>	OR condition, default = Event_Id_NONE

Returns

events identifiers as bit, 32-bit

`0b=1100 = Event_Id_03 + Event_Id_02`

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

- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/[Event.h](#)
- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Event.cpp

6.3 HWI Class Reference

RTOS [HWI](#) as object.

```
#include <HWI.h>
```

Public Member Functions

- [HWI](#) ()
Define the [HWI](#).
- void [begin](#) (uint8_t pinNumber, void(*functionHWI)(void), int mode)
Create the [HWI](#).
- void [clearInterrupt](#) ()
Clear the interrupt.

6.3.1 Detailed Description

RTOS [HWI](#) as object.

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

Bug Reuse of msp432/cores/msp432/WInterrupts.c based on ti/drivers/GPIO.h. [HWI](#) impementation?

6.3.2 Member Function Documentation

6.3.2.1 void [HWI::begin](#) (uint8_t *pinNumber*, void(*)(void) *functionHWI*, int *mode*)

Create the [HWI](#).

Parameters

<i>pinNumber</i>	function to be called
<i>functionHWI</i>	function to be called
<i>mode</i>	LOW, CHANGE, FALLING, RISING

Note

Same as `attachInterrupt()`
The function must be void `functionHWI()`

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

6.3.2.2 void [HWI::clearInterrupt](#) ()

Clear the interrupt.

Note

Same as `detachInterrupt()`

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

- `/Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/HWI.h`
- `/Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/HWI.cpp`

6.4 Mailbox< mailboxType > Class Template Reference

RTOS [Mailbox](#) as an object.

```
#include <Mailbox.h>
```

Public Member Functions

- `Mailbox ()`
Define the mailbox.
- `void begin (uint16_t number=16)`
Create the mailbox.
- `bool post (mailboxType &message, uint16_t timeout=BIOS_WAIT_FOREVER)`
Post a message to the mailbox.
- `void waitFor (mailboxType &message)`
Wait for a message from the mailbox.
- `uint16_t available ()`
Available messages to be read.

6.4.1 Detailed Description

```
template<typename mailboxType>
class Mailbox< mailboxType >
```

RTOS `Mailbox` as an object.

Warning

Header and code for template class need to be on the same unique file. I guess it isn't a bug, but a feature :/

See also

<http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2003/n1426.pdf>

The RTOS `Mailbox` is encapsulated as a C++ object for easier use

Warning

Messages must be of type `typename` used in declaration

Note

Only a single task can pend on an `Mailbox` object at a time.

6.4.2 Constructor & Destructor Documentation

6.4.2.1 `template<typename mailboxType > Mailbox< mailboxType >::Mailbox ()`

Define the mailbox.

Warning

Specify `typename` between brackets in declaration.

```
Mailbox<typename> myMailbox;
```

6.4.3 Member Function Documentation

6.4.3.1 `template<typename mailboxType > uint16_t Mailbox< mailboxType >::available ()`

Available messages to be read.

Returns

number of available messages on the mailbox to be read

Note

0 = no messages available

6.4.3.2 `template<typename mailboxType > void Mailbox< mailboxType >::begin (uint16_t number = 16)`

Create the mailbox.

Parameters

<i>number</i>	number of messages of the mailbox, default = 16
---------------	---

6.4.3.3 `template<typename mailboxType > bool Mailbox< mailboxType >::post (mailboxType & message, uint16_t timeout = BIOS_WAIT_FOREVER)`

Post a message to the mailbox.

Parameters

<i>message</i>	message to be posted on the mailbox
<i>timeout</i>	default = BIOS_WAIT_FOREVER, BIOS_NO_WAIT

Returns

true if message posted, false otherwise

Note

When using BIOS_NO_WAIT, message isn't posted if mailbox is full. Check returned bool for result.

Warning

Message must be of type typename.

6.4.3.4 `template<typename mailboxType > void Mailbox< mailboxType >::waitFor (mailboxType & message)`

Wait for a message from the mailbox.

Parameters

<i>message</i>	message read from mailbox when available
----------------	--

Warning

Message must be of type typename.

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

- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/[Mailbox.h](#)

6.5 Semaphore Class Reference

RTOS [Semaphore](#) as object.

```
#include <Semaphore.h>
```

Public Member Functions

- [Semaphore](#) ()
Define the semaphore.
- void [begin](#) (uint8_t count=1)
Create the semaphore.
- void [post](#) ()
Post a semaphore.
- uint16_t [available](#) ()
Available count.
- void [waitFor](#) ()
Wait for the semaphore.

6.5.1 Detailed Description

RTOS [Semaphore](#) as object.

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

6.5.2 Member Function Documentation

6.5.2.1 uint16_t Semaphore::available ()

Available count.

Returns

number of available count

6.5.2.2 void Semaphore::begin (uint8_t count = 1)

Create the semaphore.

Parameters

<code>count</code>	usually number of ressources to synchronise, default = 1
--------------------	--

Note

For serial port, take 1.

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

- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/[Semaphore.h](#)
- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Semaphore.cpp

6.6 SWI Class Reference

RTOS [SWI](#) as object.

```
#include <SWI.h>
```

Public Member Functions

- [SWI](#) ()
Define the [SWI](#).
- void [begin](#) (void(*functionSWI)(void))
Create the [SWI](#).
- void [post](#) ()
Post a [SWI](#).

6.6.1 Detailed Description

RTOS [SWI](#) as object.

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

Note

For w [SWI](#) with trigger, see the [SWItrigger](#) library.

Deprecated [SWI](#) is no longer included in RTOS for Energia 0101E0017

6.6.2 Member Function Documentation

6.6.2.1 void SWI::begin (void(*) (void) functionSWI)

Create the [SWI](#).

Parameters

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

Note

For serial port, take 1.
The function must be void functionSWI()

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

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

- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/SWI.h
- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/SWI.cpp

6.7 SWItrigger Class Reference

RTOS [SWI](#) with trigger as object.

```
#include <SWItrigger.h>
```

Public Member Functions

- [SWItrigger](#) ()
Define the [SWItrigger](#).
- void [begin](#) (uint8_t trigger, void(*functionSWItrigger)())
Create the [SWItrigger](#).
- void [post](#) ()
Post a [SWItrigger](#).
- void [inc](#) ()
Increment count and post.
- void [dec](#) ()
Decrement count and post if count = 0.

6.7.1 Detailed Description

RTOS [SWI](#) with trigger as object.

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

Deprecated [SWI](#) and thus [SWItrigger](#) are no longer included in RTOS for Energia 0101E0017

6.7.2 Member Function Documentation

6.7.2.1 void [SWItrigger::begin](#) (uint8_t *trigger*, void(*)() *functionSWItrigger*)

Create the [SWItrigger](#).

Parameters

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

Note

For serial port, take 1.

The function must be void `functionSWItrigger()`

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

Bug `functionSWItrigger(uint8_t)` with `uint8_t = Swi_getTrigger()` doesn't work.

Todo The idea is to have the same function as for Wire library with `Wire.onReceive(void (*ReceiveEvent)(int))` and `void ReceiveEvent(int howMany)`

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

- `/Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/SWItrigger.h`
- `/Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/SWItrigger.cpp`

6.8 Task Class Reference

RTOS [Task](#) as object.

```
#include <Task.h>
```

Public Member Functions

- [Task](#) ()
Define the [Task](#).
- void [begin](#) (void(*functionTask)(void), int8_t priority)
Create the [Task](#).

6.8.1 Detailed Description

RTOS [Task](#) as object.

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

Note

`functionTask()` runs once only, unless a `while() { ... }` is included
This implementation of [Task](#) differs from Energia MT.
Each sketch (.ino file) includes `setup()` and `loop()` for Energia MT.

6.8.2 Member Function Documentation

6.8.2.1 void Task::begin (void(*) (void) functionTask, int8_t priority)

Create the [Task](#).

Parameters

<i>functionTask</i>	function to be called
<i>priority</i>	0 .. Task_numPriorities - 1

Note

The function must be void functionTask()

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

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

- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/[Task.h](#)
- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Task.cpp

6.9 Timer Class Reference

RTOS [Timer](#) as an object.

```
#include <Timer.h>
```

Public Member Functions

- [Timer](#) ()
Define the timer.
- void [begin](#) (void(*timerFunction)(void), uint32_t timerPeriod_unit, uint32_t unit=1000)
Create the timer.
- void [start](#) ()
Start the timer.
- void [stop](#) ()
Stop the timer.

6.9.1 Detailed Description

RTOS [Timer](#) as an object.

Warning

for MSP432

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

Note

Only one single timer available on the MSP432.

6.9.2 Constructor & Destructor Documentation

6.9.2.1 Timer::Timer ()

Define the timer.

Warning

Only one single timer available on the MSP432.

6.9.3 Member Function Documentation

6.9.3.1 void Timer::begin (void(*) (void) *timerFunction*, uint32_t *timerPeriod_unit*, uint32_t *unit* = 1000)

Create the timer.

Parameters

<i>timerFunction</i>	function to be called
<i>timerPeriod_unit</i>	period in unit
<i>unit</i>	in us, us = 1, ms = 1000, s = 1000000

Note

The function must be void timerPeriod_ms()

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

Bug Some fuctions like Serial.print(); don't work :(

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

- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/[Timer.h](#)
- /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Timer.cpp

Chapter 7

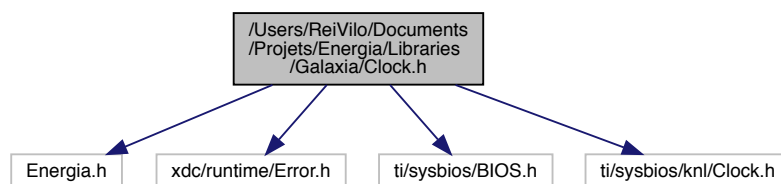
File Documentation

7.1 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Clock.h File Reference

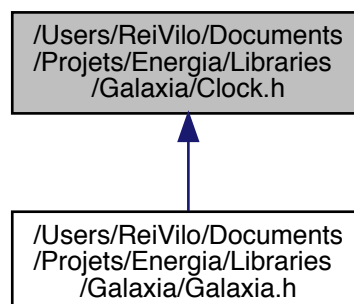
RTOS [Clock](#), part of the Galaxia Library Suite.

```
#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:



This graph shows which files directly or indirectly include this file:



Classes

- class [Clock](#)
RTOS [Clock](#) as an object.

7.1.1 Detailed Description

RTOS [Clock](#), part of the Galaxia Library Suite.

RTOS [Clock](#) as C++ object for Energia MT

Project Galaxia library for Energia MT

Developed with [embedXcode+](#)

Author

Rei Vilo
<http://embeddedcomputing.weebly.com>

Date

Rei Vilo, Jun 17, 2015 09:59

Version

101

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See also

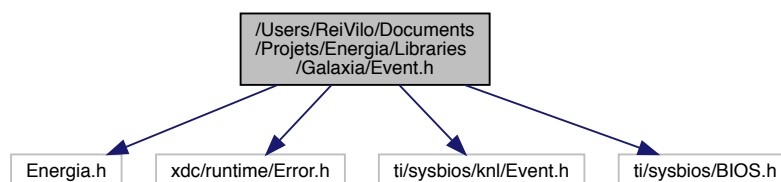
ReadMe.txt for references

7.2 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Event.h File Reference

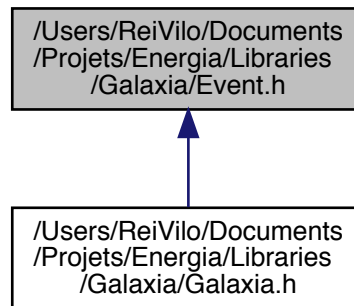
RTOS [Event](#), part of the Galaxia Library Suite.

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

Include dependency graph for Event.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [Event](#)
RTOS [Event](#) as object.

7.2.1 Detailed Description

RTOS [Event](#), part of the Galaxia Library Suite.

RTOS [Event](#) as C++ object for Energia MT

Project Energia MT 0101E0016

Author

Energia, base
Rei Vilo, enhancements

Date

Jun 22, 2015 15:53

Version

105

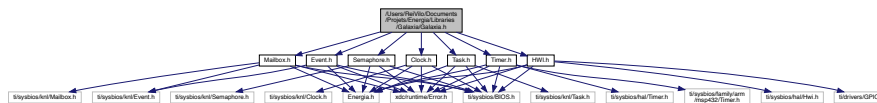
See also

SYS/BIOS (TI-RTOS Kernel) v6.41 User's Guide (spruex3o) <http://www.ti.com/lit/pdf/spruex3>

7.3 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Galaxia.h File Reference

RTOS [Clock](#), part of the Galaxia Library Suite.

```
#include "Task.h"
#include "HWI.h"
#include "Event.h"
#include "Mailbox.h"
#include "Semaphore.h"
#include "Clock.h"
#include "Timer.h"
Include dependency graph for Galaxia.h:
```



7.3.1 Detailed Description

RTOS [Clock](#), part of the Galaxia Library Suite.

Galaxia library Simple header for Energia MT

Project Galaxia library for Energia MT
Developed with [embedXcode+](#)

Author

Rei Vilo
<http://embeddedcomputing.weebly.com>

Date

Rei Vilo, Jun 17, 2015 09:59

Version

101

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See also

ReadMe.txt for references

The Galaxia Library Suite includes

- Thread elements
 - [HWI](#)
 - [SWI](#) (1)
 - [SWI](#) with trigger ([SWItrigger](#)) (1)
 - [Task](#)
- Synchronisation elements
 - [Clock](#)
 - [Event](#)
 - [Mailbox](#) (2)
 - [Semaphore](#)
 - [Timer](#) (3)

(1) [SWI](#) has been removed from RTOS for Energia MT 0101E0017

(2) [Mailbox](#) supersedes Queue

(3) [Clock](#) recommended over [Timer](#)

Examples include

- Galaxia_Clock
- Galaxia_Event
- Galaxia_HWI
- Galaxia_Mailbox
- Galaxia_Semaphore
- Galaxia_SWI
- Galaxia_SWItrigger
- Galaxia_Task
- Galaxia_Timer
- multiBlink_with_Clock

See also

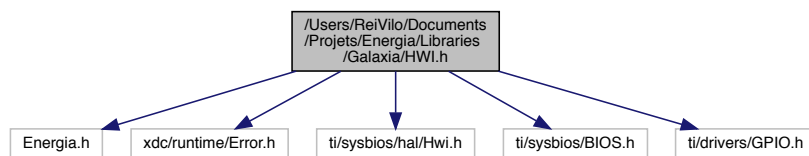
<http://embeddedcomputing.weebly.com/exploring-rtos.html>

7.4 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/HWI.h File Reference

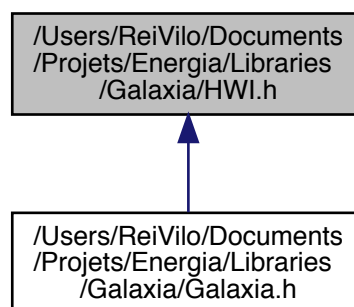
RTOS [HWI](#), part of the Galaxia Library Suite.

```
#include <Energia.h>
#include <xdc/runtime/Error.h>
#include <ti/sysbios/hal/Hwi.h>
#include <ti/sysbios/BIOS.h>
#include <ti/drivers/GPIO.h>
```

Include dependency graph for HWI.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [HWI](#)
RTOS [HWI](#) as object.

7.4.1 Detailed Description

RTOS [HWI](#), part of the Galaxia Library Suite.

RTOS [HWI](#) as C++ object for Energia MT

Project Galaxia library for Energia MT
Developed with [embedXcode+](#)

Author

Rei Vilo

<http://embeddedcomputing.weebly.com>**Date**

Jun 08, 2015 09:53

Version

104

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See also

ReadMe.txt for references and example

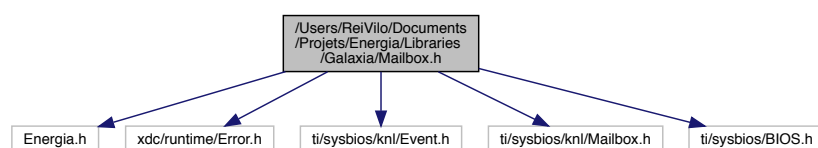
SYS/BIOS (TI-RTOS Kernel) v6.41 User's Guide (spruex3o) <http://www.ti.com/lit/pdf/spruex3>

7.5 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Mailbox.h File Reference

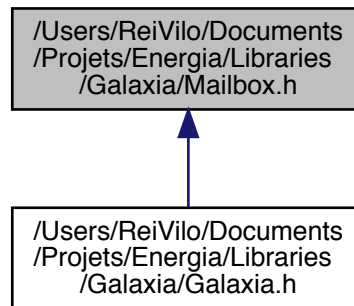
RTOS [Mailbox](#), part of the Galaxia Library Suite.

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

Include dependency graph for Mailbox.h:



This graph shows which files directly or indirectly include this file:



Classes

- class `Mailbox< mailboxType >`
RTOS `Mailbox` as an object.

7.5.1 Detailed Description

RTOS `Mailbox`, part of the Galaxia Library Suite.

RTOS `Mailbox` as C++ object for Energia MT

Project Energia MT 0101E0016

Author

Energia, base
 Rei Vilo, enhancements

Date

Jun 14, 2015 09:53

Version

104

See also

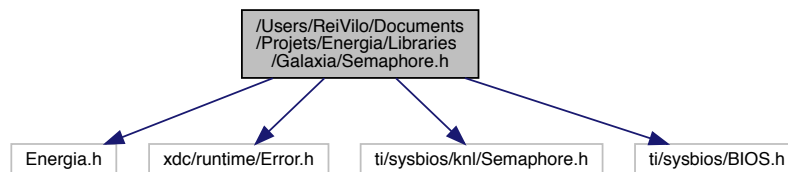
SYS/BIOS (TI-RTOS Kernel) v6.41 User's Guide (spruex3o) <http://www.ti.com/lit/pdf/spruex3>

7.6 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Semaphore.h File Reference

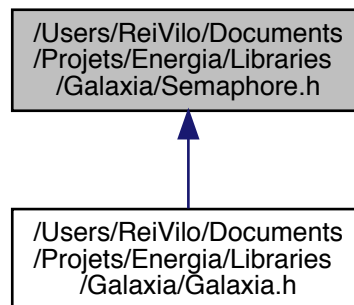
RTOS [Semaphore](#), part of the Galaxia Library Suite.

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

Include dependency graph for Semaphore.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [Semaphore](#)
RTOS [Semaphore](#) as object.

7.6.1 Detailed Description

RTOS [Semaphore](#), part of the Galaxia Library Suite.

RTOS [Semaphore](#) as C++ object for Energia MT

Project Galaxia library for Energia MT
Developed with [embedXcode+](#)

Author

Rei Vilo
<http://embeddedcomputing.weebly.com>

Date

Jun 08, 2015 09:53

Version

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See also

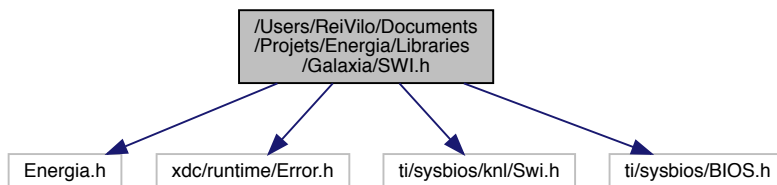
ReadMe.txt for references and example
SYS/BIOS (TI-RTOS Kernel) v6.41 User's Guide (spruex3o) <http://www.ti.com/lit/pdf/spruex3>

7.7 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/SWI.h File Reference

RTOS [SWI](#), part of the Galaxia Library Suite.

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

Include dependency graph for SWI.h:

**Classes**

- class [SWI](#)
RTOS [SWI](#) as object.

7.7.1 Detailed Description

RTOS [SWI](#), part of the Galaxia Library Suite.

RTOS [SWI](#) as C++ object for Energia MT

Project Galaxia library for Energia MT

Developed with [embedXcode+](#)

Author

Rei Vilo

<http://embeddedcomputing.weebly.com>

Date

Jun 08, 2015 09:53

Version

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See also

ReadMe.txt for references and example

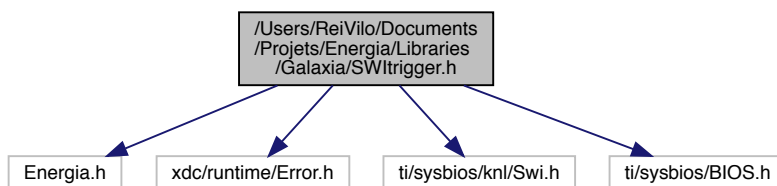
SYS/BIOS (TI-RTOS Kernel) v6.41 User's Guide (spruex3o) <http://www.ti.com/lit/pdf/spruex3>

7.8 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/SWltrigger.h File Reference

RTOS [SWI](#) with trigger ([SWltrigger](#)), part of the Galaxia Library Suite.

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

Include dependency graph for SWltrigger.h:



Classes

- class [SWItrigger](#)
RTOS [SWI](#) with trigger as object.

7.8.1 Detailed Description

RTOS [SWI](#) with trigger ([SWItrigger](#)), part of the Galaxia Library Suite.

RTOS [SWI](#) with trigger as C++ object for Energia MT

Project Galaxia library for Energia MT

Developed with [embedXcode+](#)

Author

Rei Vilo
<http://embeddedcomputing.weebly.com>

Date

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Version

104

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See also

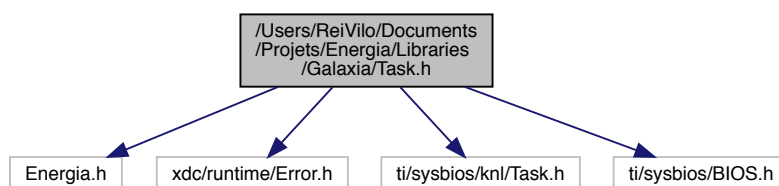
ReadMe.txt for references and example
SYS/BIOS (TI-RTOS Kernel) v6.41 User's Guide (spruex3o) <http://www.ti.com/lit/pdf/spruex3>

7.9 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Task.h File Reference

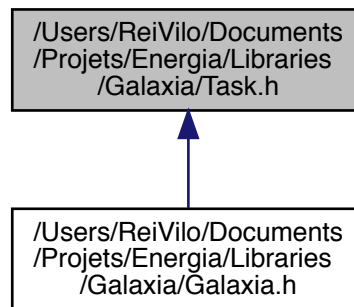
RTOS [Task](#), part of the Galaxia Library Suite.

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

Include dependency graph for Task.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [Task](#)
RTOS [Task](#) as object.

7.9.1 Detailed Description

RTOS [Task](#), part of the Galaxia Library Suite.

RTOS [Task](#) as C++ object for Energia MT

Project Galaxia library for Energia MT
Developed with [embedXcode+](#)

Author

Rei Vilo
<http://embeddedcomputing.weebly.com>

Date

Jun 23, 2015 09:53

Version

101

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See also

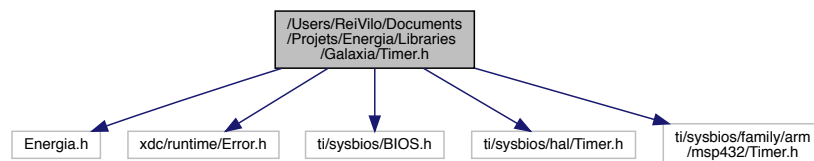
ReadMe.txt for references and example
SYS/BIOS (TI-RTOS Kernel) v6.41 User's Guide (spruex3o) <http://www.ti.com/lit/pdf/spruex3>

7.10 /Users/ReiVilo/Documents/Projets/Energia/Libraries/Galaxia/Timer.h File Reference

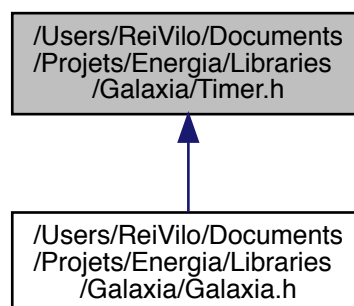
RTOS [Timer](#), part of the Galaxia Library Suite.

```
#include <Energia.h>
#include <xdc/runtime/Error.h>
#include <ti/sysbios/BIOS.h>
#include <ti/sysbios/hal/Timer.h>
#include <ti/sysbios/family/arm/msp432/Timer.h>
```

Include dependency graph for Timer.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [Timer](#)
RTOS [Timer](#) as an object.

7.10.1 Detailed Description

RTOS [Timer](#), part of the Galaxia Library Suite.

RTOS [Timer](#) as C++ object for Energia MT

Project Galaxia library for Energia MT
Developed with [embedXcode+](#)

Author

Rei Vilo

<http://embeddedcomputing.weebly.com>

Date

Rei Vilo, Jun 17, 2015 09:29

Version

102

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See also

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