

[Back to main page](#)

## STM8S Firmware Library: *Peripheral examples*

Copyright © 2009 STMicroelectronics



The Firmware library provides a rich set of examples covering the main features of each peripheral. All the examples are independent from the software toolchain. These examples run on STMicroelectronics STM8/128-EVAL evaluation board and can be easily tailored to any other hardware. Only source files are provided for each example and user can tailor the provided project template to run the selected example with his preferred tool chain.

The package contains the following examples:

- ▶ [ADC \(2\)](#)
- ▶ [AWU \(1\)](#)
- ▶ [BEEP \(1\)](#)
- ▶ [CAN \(1\)](#)
- ▶ [CLK \(3\)](#)
- ▶ [EXTI \(1\)](#)
- ▶ [FLASH \(5\)](#)
- ▶ [GPIO \(2\)](#)
- ▶ [I2C \(3\)](#)
- ▶ [ITC \(1\)](#)
- ▶ [IWDG \(1\)](#)
- ▶ [RST \(2\)](#)
- ▶ [SPI \(3\)](#)
- ▶ [TIM1 \(5\)](#)
- ▶ [TIM2 \(5\)](#)
- ▶ [TIM4 \(1\)](#)
- ▶ [TIM5 \(1\)](#)
- ▶ [UART1 \(9\)](#)
- ▶ [WWDG\(1\)](#)

***What do I need to start successfully with Examples?***

► **Evaluation Board:** STMicroelectronics STM8/128-EVAL or any other compatible hardware.

► **Tool chain:**

- ST Visual Develop (STVD) used with *Cosmic* or *Raisonance STM8/ST7 C* compiler
- Raisonance Integrated Development Environment (RIDE7) used with *STM8/ST7 C* compiler

## How to proceed?

► Copy the files **main.c**, **main.h** (if exists), **stm8s\_conf.h** and any other source files from the specified example to the following project directory (STM8SFWLib\FWLib\project). This project folder contains already all tool chain files needed for creating projects for STM8S microcontrollers.

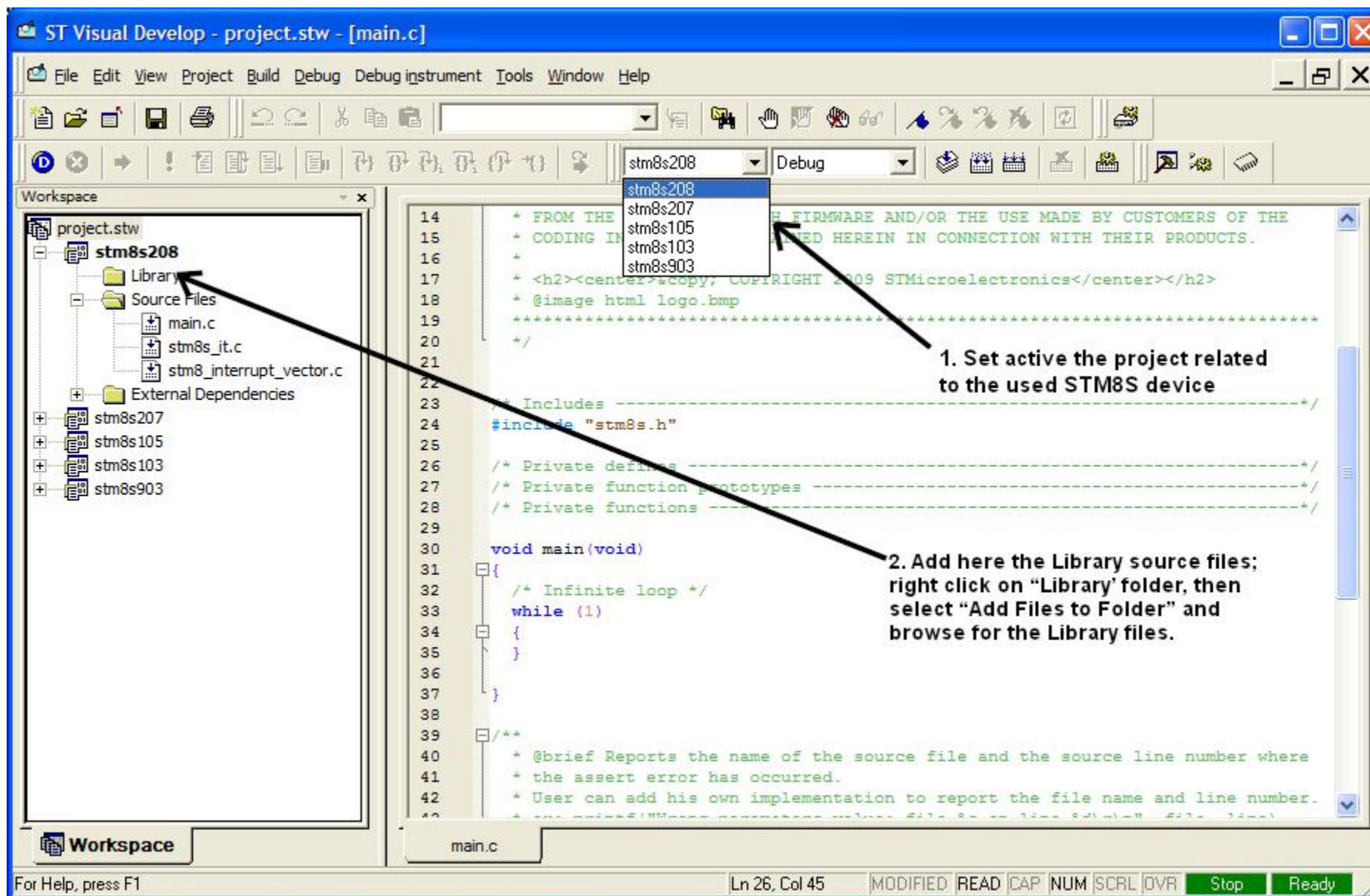
► Open the project workspace according to the toolchain directory you will use:

- STM8SFWLib\FWLib\project\RIDE
- STM8SFWLib\FWLib\project\STVD\Cosmic
- STM8SFWLib\FWLib\project\STVD\Raisonance

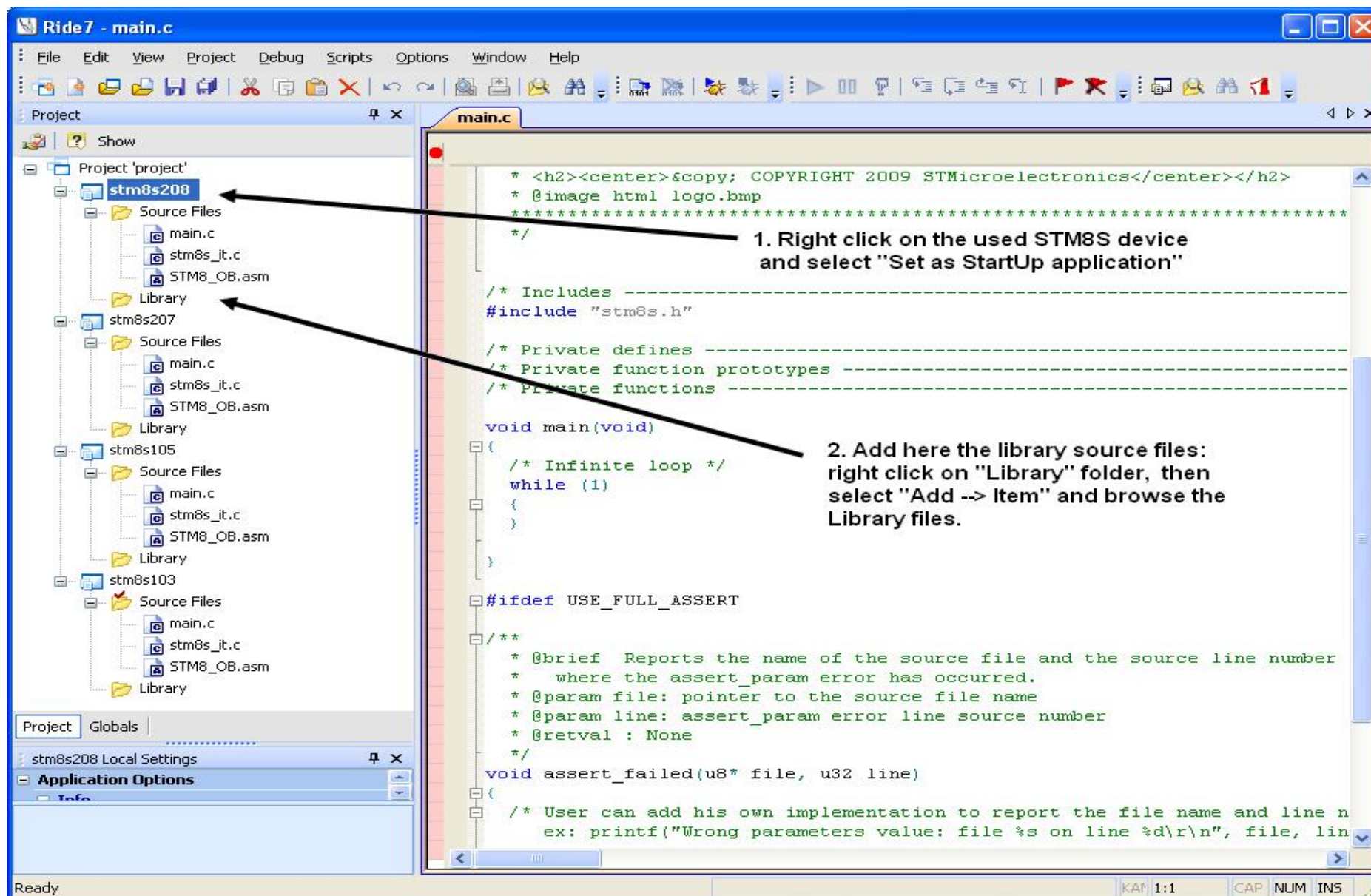
► Set active the project related to the used STM8S device (see examples below for project with STVD and RIDE)

- **STM8S208:** to configure the project for **STM8S208xx** devices
- **STM8S207:** to configure the project for **STM8S207xx** devices
- **STM8S105:** to configure the project for **STM8S105xx** devices
- **STM8S103:** to configure the project for **STM8S103xx** devices
- **STM8S903:** to configure the project for **STM8S903xx** devices

## With STVD



*With RIDE*



- ▶ Add the needed Library sources files (peripherals drivers) according to the “How to use it” section of the readme file
- ▶ Finally compile, load and run the example

---

For complete documentation on STM8S 8-bit microcontrollers platform visit [www.st.com/STM8](http://www.st.com/STM8)