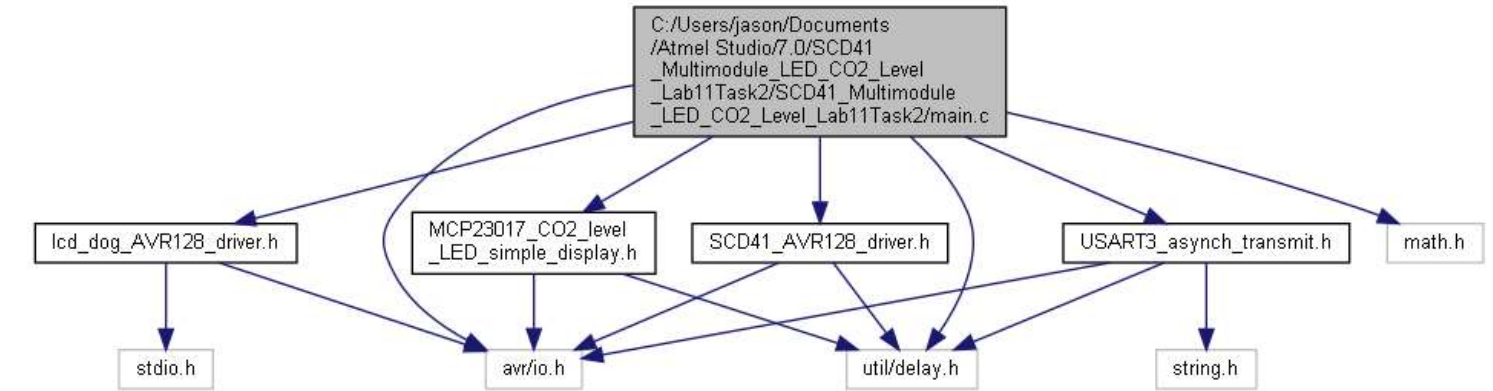


main.c File Reference

```
#include <avr/io.h>
#include <math.h>
#include "lcd_dog_AVR128_driver.h"
#include "SCD41_AVR128_driver.h"
#include "USART3_async_transmit.h"
#include "MCP23017_CO2_level_LED_simple_display.h"
#include <util/delay.h>
```

Include dependency graph for main.c:



[Go to the source code of this file.](#)

Macros

```
#define F_CPU 4000000
#define MAX_INPUT_DISPLAY 5
```

Functions

```
int main(void)
```

Variables

```
uint16_t CO2
uint16_t Temp
uint16_t Rh
uint16_t baudRate = 9600
uint8_t dataBits = USART_CHSIZE_8BIT_gc
unsigned char parity = 0x00
```

Macro Definition Documentation

◆ F_CPU

#define F_CPU 4000000

Definition at line 10 of file **main.c**.

◆ MAX_INPUT_DISPLAY

```
#define MAX_INPUT_DISPLAY 5
```

Definition at line **17** of file **main.c**.

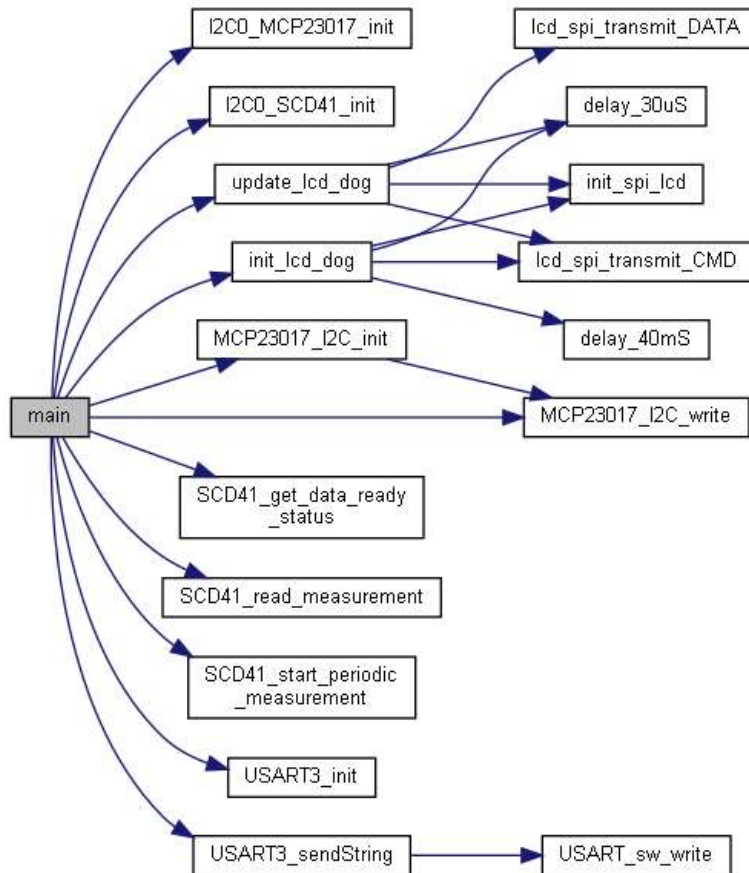
Function Documentation

◆ main()

```
int main ( void )
```

Definition at line **29** of file **main.c**.

Here is the call graph for this function:



Variable Documentation

◆ baudRate

```
uint16_t baudRate = 9600
```

Definition at line **24** of file **main.c**.

◆ CO2

uint16_t CO2

Definition at line **20** of file **main.c**.

◆ dataBits

uint8_t dataBits = USART_CHSIZE_8BIT_gc

Definition at line **25** of file **main.c**.

◆ parity

unsigned char parity = 0x00

Definition at line **26** of file **main.c**.

◆ Rh

uint16_t Rh

Definition at line **22** of file **main.c**.

◆ Temp

uint16_t Temp

Definition at line **21** of file **main.c**.