

RS232-ADC-Lib FAQ

1. FAQ

1. What is RS232-ADC-Lib?

RS232-ADC-Lib is a small-weight interface to Taskit's RS232-ADC16/24 modules. The library is written in pure C with respect to portability. Thus no system-specific functions are used.

It disburdens the user from constructing/parsing messages and provides a simple API.

2. How to include the library?

Include `rs232-adc-lib.h` into your project. Pay attention to pass the path to the library's include files to your compiler. The example `Makefile` can be used as base for new projects.

3. Is there anything to do before using RS232-ADC-Lib?

All system dependant functionality needed to handle serial input and output has to be provided by the user of this library. For this propose, three function prototypes are defined and documented in `rs232-adc-lib.h`. These functions must be implemented to avoid linker errors.

Sample implementations for WIN32 and Linux can be found in directory `example`.

4. How to compile a project?

When using the example `Makefile` a GCC is needed for compiling. To cross-compile to one of Taskit's ARM-based Linux boards install the suggested compiler that can be found on www.armbedded.eu.

Since the library uses no high-level functions like `sprintf` etc it should compile with all C-compilers even for microcontrollers such as AVR, PIC or 8051 derivatives.

5. How to change the response timeout?

Simply alter the value of the global variable `TIMEOUT_MS` to the desired timeout in milliseconds. If no changes are done it defaults to 100ms. Timeout can be changed during program execution.