

# agecheckerssetup

## manual

# Prerequisite

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Make sure you have access to the following items

- The age checker manual
- A BDX118i2 with eIDAgeChecker software
- A RJ45 to RS232 conversion cable or RJ45 to USB cable
- A PC with a free serial port or a free USB port
- A power supply (see manual for specifications)
- The agecheckerssetup program

I advise that you run the agecheckerssetup program to test the examples in this manual.

## Hardware setup

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### ***RJ45 to RS232 conversion cable***

- Connect the BDX118i2 eIDAgeChecker to the serial port of the PC
- Make sure the BDX118i2 is powered by a external power supply (12V)

### ***RJ45 to USB conversion cable***

- !! Don't connect the cable before the driver is installed !!
- Install the FTDI driver
  - o Download the installation manual from  
<http://www.ftdichip.com/Documents/InstallGuides.htm>
  - o Download the latest driver from  
<http://www.ftdichip.com/Drivers/VCP.htm>
  - o Use the manual to install the driver and find the assigned COM port
- Connect the RJ45 to USB cable to the BDX118i2

- Make sure the BDX118i2 is powered by a external power supply (12V)

## Interactive mode

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Start the program without any argument to enter the interactive mode. In this mode the program will ask the value of each parameter. The program will only accept characters that it support. A value can be confirmed with **ENTER**. Use the **BACKSPACE** to delete characters.

By just pressing **ENTER** the default value, presented between brackets [ ], is used.

By pressing **ESC** the program will stop.

When all values are given the program will show the values it will use and then it tries to write the values to the age checker. Make sure that all succeed. You can always stop the process with the **ESC** key, but in that case the setup will not be complete. Normally it only takes 5 seconds to write the values.

Examples:

```
agecheckersetup
    starts the program in interactive mode
```

Advantages

- No need to remember the command line arguments
- Can be done by just running the program from the explorer

Disadvantages

- The PC system clock will be placed in the default values but because after the time parameters other parameters must be given, that takes at least some seconds, the clock will not be very accurate.
- User must give all values, each time the program is started.

# Command line mode

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This mode is started when the program is started from a command line (DOS prompt) or batch file, with arguments after the programs names. The command line can contain values for all parameters. In this case the program will use the given parameters(or defaults). The program will validate the arguments and when they are valid immediately starts to write them to the age checker. In most cases this takes a couple of seconds and the program finish. It is always possible to stop the program with the **ESC** key.

The program can now be run from a batch file, making it easier to setup the parameters only once. When no time is given (no -t or -d), the program will use the current PC system time. In most cases only the output parameters (-1 and/or -2) must be given.

## Important

- a option starts with a minus followed by one character
- only lower case characters are accepted
- there must be a SPACE after the character to separate the value
- there may NOT be a space in the value (you can use double quotes around a comport name that has spaces)

## Examples:

```
agecheckerssetup -h
```

shows all command line options

```
agecheckerssetup -1 18,255,20
```

will setup the age checker with the current PC time and with output 1 so that it will give a pulse of 200ms when the age is between 18 and 255 (so 18 years and above)

```
agecheckerssetup -1 0,16,10 -2 55,110,15,3
```

will setup the age checker with the current PC time and with output 1 so that it will give a pulse of 100ms when the age is between 0 and 16 (so 16 years or less). Output 2 will give a pulse of 150ms

when the age is between 55 and 110 (so 55-100 years). The wait time before activating output2 is 30ms.

```
agecheckerssetup -c COM2 -t 15:10:30 -d 6:9:2007
```

will setup the age checker with the given time and date. The age checker must be connected to comport 2. The outputs will be disabled.

#### Advantages

- The time will be more accurate because it will be set almost immediately after starting the program
- The program can run from a batch file

#### Disadvantages

- The command line arguments must be remembered, but only once if a batch file is created.