

Hier mal die relevanten Screenshots

ich habe jetzt mal einen nackten Arduino Nano 3.0 aus der Verpackung genommen und ohne weitere Komponenten einfach per USB angeschlossen.

Betriebssystem ist Windows 7 Prof. 64Bit.

Arduino Software ist die aktuelle 1.0.6.

Der Arduino wird als „FT 232R USB UART“ erkannt und eingebunden.

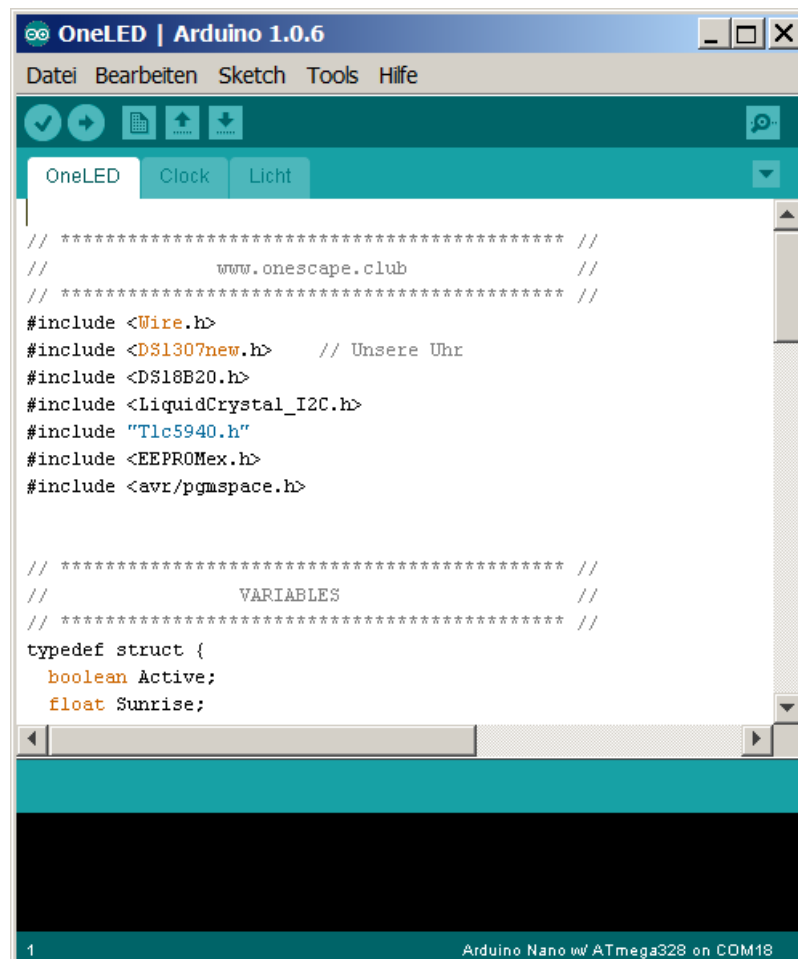


Fehlt etwas hier an Treibern? Wenn ja, was?

USB-Port ist COM18. In Arduino setze ich folgende Einstellungen:

Tools → Board → Arduino Nano w/ ATmega328

Tools → Serieller Port → COM18



Dann wähle ich Datei → Upload aus.

Dann kommt in der Ausgabe:

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F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-  
windows\arduino-1.0.6\hardware\tools\avr\bin\avr-g++ -c -g -Os -Wall -fno-exceptions -ffunction-  
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-DUSB_PID=null -DARDUINO=106  
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windows\arduino-1.0.6\libraries\Tlc5940  
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windows\arduino-1.0.6\libraries\EEPROMEx  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp -o  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp.o  
OneLED.ino:7:21: warning: DS18B20.h: No such file or directory  
OneLED.ino:8:31: warning: LiquidCrystal_I2C.h: No such file or directory  
In file included from OneLED.ino:10:  
F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-  
windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.h:23:20: warning: EEPROM.h: No such  
file or directory  
Licht.ino: In function 'void setLight(int)':  
Licht.ino:3: warning: unused variable 'Min'  
Licht.ino:3: warning: unused variable 'Max'  
Licht.ino:3: warning: unused variable 'dla'  
F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-  
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windows\arduino-1.0.6\libraries\Wire\utility  
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windows\arduino-1.0.6\libraries\Wire\Wire.cpp -o
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windows\arduino-1.0.6\libraries\Wire\utility\twi.c -o
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-DUSB_PID=null -DARDUINO=106
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F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-
windows\arduino-1.0.6\libraries\DS1307new\DS1307new.cpp -o
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\DS1307new\DS1307new.c
pp.o
F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-
windows\arduino-1.0.6\libraries\DS1307new\DS1307new.cpp:41: warning: only initialized
variables can be placed into program memory area
F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-
windows\arduino-1.0.6\libraries\DS1307new\DS1307new.cpp: In constructor
'DateTime::DateTime(uint32_t)':
F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-
windows\arduino-1.0.6\libraries\DS1307new\DS1307new.cpp:71: warning: comparison between

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signed and unsigned integer expressions

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\DS1307new\DS1307new.cpp: At global scope:

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\DS1307new\DS1307new.cpp:140: warning: 'uint8\_t bcd2bin(uint8\_t)' defined but not used

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\hardware\tools\avr\bin\avr-g++ -c -g -Os -Wall -fno-exceptions -ffunction-sections -fdata-sections -mmcu=atmega328p -DF\_CPU=16000000L -MMD -DUSB\_VID=null -DUSB\_PID=null -DARDUINO=106

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-IF:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx

-IF:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\Tlc5940\utility

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\Tlc5940\Tlc5940.cpp -o

C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\Tlc5940\Tlc5940.cpp.o

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\hardware\tools\avr\bin\avr-g++ -c -g -Os -Wall -fno-exceptions -ffunction-sections -fdata-sections -mmcu=atmega328p -DF\_CPU=16000000L -MMD -DUSB\_VID=null -DUSB\_PID=null -DARDUINO=106

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-IF:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx

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F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.cpp -o

C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\EEPROMEx\EEPROMEx.cpp.o

In file included from F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.cpp:23:

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-

windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.h:23:20: warning: EEPROM.h: No such file or directory

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.cpp: In member function 'bool EEPROMClassEx::writeBit(int, uint8\_t, bool)':

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.cpp:148: warning: no return statement in function returning non-void

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.cpp: In member function 'bool EEPROMClassEx::updateBit(int, uint8\_t, bool)':

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.cpp:203: warning: control reaches end of non-void function

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.cpp: In member function 'bool EEPROMClassEx::writeBit(int, uint8\_t, bool)':

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\libraries\EEPROMEx\EEPROMEx.cpp:148: warning: control reaches end of non-void function

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\hardware\tools\avr\bin\avr-gcc -c -g -Os -Wall -ffunction-sections -fdata-sections -mmcu=atmega328p -DF\_CPU=16000000L -MMD -DUSB\_VID=null -DUSB\_PID=null -DARDUINO=106 -IF:\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\hardware\arduino\cores\arduino -IF:\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\hardware\arduino\variants\eightanaloginputs

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\hardware\arduino\cores\arduino\avr-libc\malloc.c -o C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\malloc.c.o

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F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\hardware\arduino\cores\arduino\WInterrupts.c -o C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\WInterrupts.c.o

F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-windows\arduino-1.0.6\hardware\tools\avr\bin\avr-gcc -c -g -Os -Wall -ffunction-sections -fdata-

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windows\arduino-1.0.6\hardware\arduino\cores\arduino\wiring.c -o
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windows\arduino-1.0.6\hardware\tools\avr\bin\avr-g++ -c -g -Os -Wall -fno-exceptions -ffunction-
sections -fdata-sections -mmcu=atmega328p -DF_CPU=16000000L -MMD -DUSB_VID=null
-DUSB_PID=null -DARDUINO=106

```

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windows\arduino-1.0.6\hardware\arduino\cores\arduino\HardwareSerial.cpp: In function 'void
store_char(unsigned char, ring_buffer*)':
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windows\arduino-1.0.6\hardware\arduino\cores\arduino\HardwareSerial.cpp:98: warning:
comparison between signed and unsigned integer expressions
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windows\arduino-1.0.6\hardware\arduino\cores\arduino\HardwareSerial.cpp: In function 'void
__vector_18()':
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variable 'c'
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windows\arduino-1.0.6\hardware\arduino\cores\arduino\HardwareSerial.cpp: In member function
'void HardwareSerial::begin(long unsigned int, byte)':
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variable 'current_config'
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'virtual size_t HardwareSerial::write(uint8_t)':
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comparison between signed and unsigned integer expressions
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-DUSB\_PID=null -DARDUINO=106  
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windows\arduino-1.0.6\hardware\arduino\variants\eightanaloginputs
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windows\arduino-1.0.6\hardware\arduino\cores\arduino\Stream.cpp: In member function 'bool
Stream::find(char*)':
F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-
windows\arduino-1.0.6\hardware\arduino\cores\arduino\Stream.cpp:78: warning: deprecated
conversion from string constant to 'char*'
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windows\arduino-1.0.6\hardware\arduino\cores\arduino\Tone.cpp:119: warning: only initialized
variables can be placed into program memory area
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C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\core.a  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\WString.cpp.o  
F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-  
windows\arduino-1.0.6\hardware\tools\avr\bin\avr-gcc -Os --wl,--gc-sections -mmcu=atmega328p  
-o C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp.elf  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp.o  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\Wire\Wire.cpp.o  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\Wire\utility\twi.c.o  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\DS1307new\DS1307new.c  
pp.o  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\Tlc5940\Tlc5940.cpp.o  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\EEPROMEx\EEPROMEx.c  
pp.o C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\core.a  
-LC:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp -lm  
F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-  
windows\arduino-1.0.6\hardware\tools\avr\bin\avr-objcopy -O ihex -j .eeprom --set-section-  
flags=.eeprom=alloc,load --no-change-warnings --change-section-lma .eeprom=0  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp.elf  
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp.eep  
F:\\_Aquarium\Technik\Aqualightcontroller\_Arduino\_nano\_von Marco\arduino-1.0.6-  
windows\arduino-1.0.6\hardware\tools\avr\bin\avr-objcopy -O ihex -R .eeprom

```
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp.elf
C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp.hex
Binäre Sketchgröße: 11.468 Bytes (von einem Maximum von 30.720 Bytes)
F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-
windows\arduino-1.0.6\hardware/tools/avr/bin/avrdude
-CF:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-
windows\arduino-1.0.6\hardware/tools/avr/etc/avrdude.conf -v -v -v -v -patmega328p -carduino
-P\\.\COM18 -b57600 -D
-Uflash:w:C:\Users\sandy\AppData\Local\Temp\build8111104379235773538.tmp\OneLED.cpp.he
x:i
```

```
avrdude: Version 5.11, compiled on Sep  2 2011 at 19:38:36
      Copyright (c) 2000-2005 Brian Dean, http://www.bdmicro.com/
      Copyright (c) 2007-2009 Joerg Wunsch
```

System wide configuration file is

```
"F:\_Aquarium\Technik\Aqualightcontroller_Arduino_nano_von Marco\arduino-1.0.6-
windows\arduino-1.0.6\hardware/tools/avr/etc/avrdude.conf"
```

```
      Using Port                : \\.\COM18
      Using Programmer           : arduino
      Overriding Baud Rate      : 57600
avrdude: Send: 0 [30] [20]
avrdude: Send: 0 [30] [20]
avrdude: Send: 0 [30] [20]
avrdude: Recv:
avrdude: stk500_getsync(): not in sync: resp=0x00

avrdude done. Thank you.
```

Und ab hier bin ich ratlos.