

ioHelper.h

```
5 #include <avr/io.h>
6 #define outputLow(port,pin) port &= ~(1<<pin)
7 #define outputHigh(port,pin) port |= (1<<pin)
8 #define toggleOutput(port,pin) port ^= (1<<pin)
9 #define setInput(portdir,pin) portdir &= ~(1<<pin)
10 #define setOutput(portdir,pin) portdir |= (1<<pin)
11 // #define digitalRead(pinPort,pin) ((pinPort>>pin) & 1) // Eg PINB,PB4
```

geändert

HardwareSerial.h

```
61 extern HardwareSerial HWSerial;
62
63 #if defined(__AVR_ATmega1280__) || defined(__AVR_ATmega2560__)
64 extern HardwareSerial HWSerial1;
65 extern HardwareSerial HWSerial2;
66 extern HardwareSerial HWSerial3;
67 #endif
68
69
70 //-----original-----
71 //extern HardwareSerial Serial;
72
73 // #if defined(__AVR_ATmega1280__) || defined(__AVR_ATmega2560__)
74 //extern HardwareSerial Serial1;
75 //extern HardwareSerial Serial2;
76 //extern HardwareSerial Serial3;
77 // #endif
```

geändert

Fehlermeldung

n file included from G:\arduino-0021\hardware\arduino\cores\arduino\WProgram.h:14,
from G:\arduino-0021\hardware\arduino\cores\arduino\WString.cpp:21:
G:\arduino-0021\hardware\arduino\cores\arduino\HardwareSerial.h:20:1: error: unterminated #ifndef

Frage:

HardwareSerial.cpp

C++ haben wir
leider nie gemacht

Müsste ich dieses nicht in

dieses ändern?

```
233 #if defined(__AVR_ATmega1280__) || defined(__AVR_ATmega2560__)
234 HardwareSerial HWSerial1(&rx_buffer1, &UBRR1H, &UBRR1L, &UCSR1A, &UCSR1B, &UDR1, RXEN1, TXEN1, RXCIE1, UDRE1, U2X1);
235 HardwareSerial HWSerial2(&rx_buffer2, &UBRR2H, &UBRR2L, &UCSR2A, &UCSR2B, &UDR2, RXEN2, TXEN2, RXCIE2, UDRE2, U2X2);
236 HardwareSerial HWSerial3(&rx_buffer3, &UBRR3H, &UBRR3L, &UCSR3A, &UCSR3B, &UDR3, RXEN3, TXEN3, RXCIE3, UDRE3, U2X3);
237 #endif
238
239
240 #if defined(__AVR_ATmega1280__) || defined(__AVR_ATmega2560__)
241 HardwareSerial Serial1(&rx_buffer1, &UBRR1H, &UBRR1L, &UCSR1A, &UCSR1B, &UDR1, RXEN1, TXEN1, RXCIE1, UDRE1, U2X1);
242 HardwareSerial Serial2(&rx_buffer2, &UBRR2H, &UBRR2L, &UCSR2A, &UCSR2B, &UDR2, RXEN2, TXEN2, RXCIE2, UDRE2, U2X2);
243 HardwareSerial Serial3(&rx_buffer3, &UBRR3H, &UBRR3L, &UCSR3A, &UCSR3B, &UDR3, RXEN3, TXEN3, RXCIE3, UDRE3, U2X3);
244 #endif
245
```