Mini-Programme für ATtiny13

LED-Blinker: ATtiny13

```
'ATtiny13 driving LEDs
$regfile = "attiny13.dat"
$crystal = 1200000
$hwstack = 8
$swstack = 4
$framesize = 4
Config Portb = Output

Do
  Portb.3 = 1
  Toggle Portb.4
  Waitms 500
Loop

End
```

Zeitschalter ATtiny13

```
'Timer 60 s
$regfile = "attiny13.dat"
$crystal = 1200000
$hwstack = 8
$swstack = 4
$framesize = 4

Config Portb.4 = Output
Portb.3 = 1                                                    'Pullup

Do
  Do
  Loop Until Pinb.3 = 0
  Portb.4 = 1
  Waitms 60000
  Portb.4 = 0
Loop

End
```

Weicher LED-Blinker

```
'LED soft flasher
$regfile = "attiny13.dat"
$crystal = 1200000
$hwstack = 8
$swstack = 4
$framesize = 4
Dim I As Byte
Dim D As Integer

Config Portb = Output
Config Timer0 = Pwm , Prescale = 1 , Compare A Pwm = Clear Down

Do
   For I = 40 To 215
     If I < 128 Then
       D = I
       D = D * D
     End If
     If I > 127 Then
       D = 255 - I
       D = D * D
     End If
     D = D / 64
     Pwm0a = D
     Waitms 60
   Next I
   Waitms 800
Loop
End
```

Dämmerungsschalter ATtiny13

```
'Dämmerungsschalter
$regfile = "attiny13.dat"
$crystal = 1200000
$hwstack = 8
$swstack = 4
$framesize = 4

Dim U As Word
Config Adc = Single , Prescaler = Auto
Start Adc
Config Portb = 1                                            'Output B.0
```

```
12.
13. Do
14.   U = Getadc(3)
15.   If U < 400 Then Portb.0 = 0
16.   If U > 600 Then Portb.0 = 1
17.   Waitms 1000
18. Loop
19. End
```

Dreiphasen-Blinklicht ATiny13

```
 1. 'Dreiphasen-Blinker 1500ms, 0,67 Hz
 2. $regfile = "attiny13.dat"
 3. $crystal = 1200000
 4. $hwstack = 8
 5. $swstack = 4
 6. $framesize = 4
 7. Config Portb = Output
 8.
 9. Do
10.   Portb.0 = 1
11.   Waitms 250
12.   Portb.3 = 0
13.   Waitms 250
14.   Portb.4 = 1
15.   Waitms 250
16.   Portb.0 = 0
17.   Waitms 250
18.   Portb.3 = 1
19.   Waitms 250
20.   Portb.4 = 0
21.   Waitms 250
22. Loop
23. End
```

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