

# MHZ4

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## **MHZ4 – Generation of 4Mhz @ L86**

This driver generates a frequency of 4 MHz at pin L86 after installation. MHZ4.TD2 can be used to generate the DMX Baud rate of 250kBaud. For this purpose please connect pin L86 with CTS and choose the baud rate BD\_EXT at SER1B.

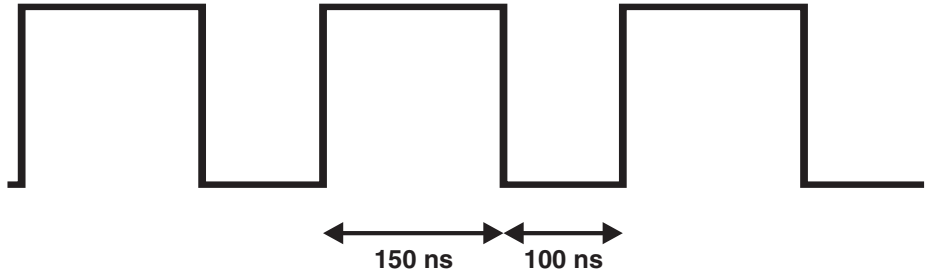
MHZ4.TD2 is only available for Tiger-2 SW1.01 or higher!!!

File name: MHZ4.TD2

**INSTALL DEVICE #D, "MHZ4.TD2"**

**D** is a constant, variable or expression of the data type BYTE, WORD, LONG in the range 0...63 and stands for the device number of the driver.

## MHZ4 – Generation of 4Mhz @ L86



Example: generate 4Mhz at pin L86

```
install_device #MHZ4, "MHZ4.TD2"          ' generates 4MHz Output @ L86
```

Example: use Ser-0 as RS-485 bus with DMX baud rate of 250kBaud

```
user_var_strict
#INCLUDE UFUNC4.INC          ' User Function Codes
#INCLUDE DEFINE_A.INC       ' allg. Symbol-Definitionen

task main
  install_device #MHZ4, "MHZ4.TD2"          ' generates 4MHz Output @ L86
  install_device #SER, "SER1B_R02.TD2", &    '
  BD_EXT, DP_8N, JA, BD_19_200, DP_8N, JA, &' SER0: 250kBaud (DMX Baudrate)
  00010000b, 1, 0                ' RS-485 settings for SER0

  OUT 8, 10000000b, 10000000b          ' switch SER0 to RS485
  dir_pin 8, 7, 0                     ' set Bit 7 of Port 8 to output

  put #SER, #0, "I am sending with DMX 250kBaud!"

end
```

## Documentation History

Version of Documentation	Version of MHZ4	Description / Changes
001	1.00a	- first version