

# Asynchron serial interface (UART)



For this functionality the **IO project** (base or pro) has to be **uploaded** to Netzer.

In UART mode signal RX is configured as receive pin and TX is configured as transmit pin for serial interface.

The interface can be configured via Netzer web interface.

## Baudrate

The following baudrates are supported. Due to external crystal and clock generation a system error arises.

Baudrate in Baud	Error in %
300	0
1200	0,01
2400	0,01
4800	0,0072
9600	0,01
19200	-0,08
38400	0,098
57600	-0,08
115200	0,47

## Data format

The standard data format is one start bit, 8 data bits and one stopbit. The parity bit is optional and can be set like (only **IO\_pro**):

Mode	Description
None	No parity is transmitted/accepted.
Odd	An odd parity is transmitted/accepted.
Even	An even parity is transmitted/accepted.
Mark	The parity bit is always 1. This setting can be used to emulate a second stop bit.
Space	The parity bit is always 0.

## Handshakes (only **\*\*IO\_pro\*\***)

Coming soon.

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