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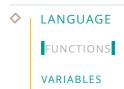
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Serial.begin()

Description

Sets the data rate in bits per second (baud) for serial data transmission. F communicating with Serial Monitor, make sure to use one of the baud rat listed in the menu at the bottom right corner of its screen. You can, howe specify other rates - for example, to communicate over pins 0 and 1 with component that requires a particular baud rate.

An optional second argument configures the data, parity, and stop bits. T default is 8 data bits, no parity, one stop bit.

Syntax

Serial.begin(speed)
Serial.begin(speed, config)

Parameters

Serial: serial port object. See the list of available serial ports for each boa on the Serial main page.

speed: in bits per second (baud). Allowed data types: long.

config: sets data, parity, and stop bits. Valid values are:

SERIAL 5N1

SERIAL 6N1

SERIAL_7N1

SERIAL 8N1 (the default)

SERIAL 5N2

SERIAL_6N2

SERIAL_7N2

SERIAL_8N2

SERIAL_5E1: even parity

SERIAL_6E1

SERIAL 7E1

SERIAL_8E1

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```
SERIAL 501: odd parity
SERIAL_601
SERIAL_701
SERIAL 801
SERIAL 502
SERIAL_602
SERIAL_702
SERIAL_802
```

Returns

Nothing

Example Code

```
void setup() {
    Serial.begin(9600); // opens serial port, sets data rate to 9600 bps
void loop() {}
```

Arduino Mega example:

```
// Arduino Mega using all four of its Serial ports
// (Serial, Serial1, Serial2, Serial3),
// with different baud rates:
void setup() {
  Serial.begin(9600);
  Serial1.begin(38400);
  Serial2.begin(19200);
  Serial3.begin(4800);
  Serial.println("Hello Computer");
  Serial1.println("Hello Serial 1");
  Serial2.println("Hello Serial 2");
  Serial3.println("Hello Serial 3");
void loop() {}
```

Thanks to Jeff Gray for the mega example

Notes and Warnings

For USB CDC serial ports (e.g. Serial on the Leonardo), Serial.begin() is irrelevant. You can use any baud rate and configuration for serial communication with these ports. See the list of available serial ports for ϵ board on the Serial main page.

The only config value supported for Serial1 on the Arc Nano 33 BLE Sense boards is SERIAL_8N1.

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BLE

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