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Serial.begin()

Description

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

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

Syntax

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

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```
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
SERIAL_5E2
SERIAL_6E2
SERIAL_7E2
SERIAL_8E2
SERIAL_501: odd parity
SERIAL_601
SERIAL_701
SERIAL_801
SERIAL_502
SERIAL_602
SERIAL_702
SERIAL_802
Returns
```

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Nothing

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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

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