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[Wire \(//www.arduino.cc/en/Reference/Wire\)](#)

read()

Description

Reads a byte that was transmitted from a slave device to a master after a call to `requestFrom()` ([//www.arduino.cc/en/Reference/WireRequestFrom](#)) or was transmitted from a master to a slave. `read()` inherits from the `Stream` ([//www.arduino.cc/en/Reference/Stream](#)) utility class.

Syntax

`Wire.read()`

Parameters

none

Returns

The next byte received

Example

```
#include <Wire.h>

void setup()
{
  Wire.begin();           // join i2c bus (address optional for master)
  Serial.begin(9600);     // start serial for output
}

void loop()
```

```

{
  Wire.requestFrom(2, 6);    // request 6 bytes from slave device #2

  while(Wire.available())   // slave may send less than requested
  {
    char c = Wire.read();    // receive a byte as character
    Serial.print(c);        // print the character
  }

  delay(500);
}

```

[Get Code] (<http://www.arduino.cc/en/Reference/WireRead?action=sourceblock&num=1>)

See also

- [WireWrite](http://www.arduino.cc/en/Reference/WireWrite) (<http://www.arduino.cc/en/Reference/WireWrite>())
- [WireAvailable](http://www.arduino.cc/en/Reference/WireAvailable) (<http://www.arduino.cc/en/Reference/WireAvailable>())
- [WireRequestFrom](http://www.arduino.cc/en/Reference/WireRequestFrom) (<http://www.arduino.cc/en/Reference/WireRequestFrom>())
- [Stream.read](http://www.arduino.cc/en/Reference/StreamRead) (<http://www.arduino.cc/en/Reference/StreamRead>())

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