

Digital I/O Cheat Sheet

What is a Digital Signal?

A digital signal can either carry a 1 (5V) or a 0 (0V) value.

Configure an Arduino digital pin

```
pinMode(pin, mode);
```

- `pin`: the pin number
- `mode`: Can be `OUTPUT` or `INPUT`

Write a value on a digital pin

```
digitalWrite(pin, value);
```

- `pin`: the pin number
- `value`: Can be 0 or 1

Read the value on a digital pin

```
value = digitalRead(pin);
```

- `pin`: the pin number
- return value can be 0 or 1