# Pir Sensor

With this App you can switch an LED or a relay on or off. This is done by a PIR Sensor in a Proto Shield. The device sends all sorts of MQTT messages and can also be operated by Amazon’s Alexa

## Shields needed

* Dual Base Shield (optional)
* Wemos Mini D1
* Relay Shield (D1) or Proto Shield with LED between GND and Pin D6 (red) and D7 (green)
* Proto Shield with PIR sensor on Pin D5

## Compability

This App uses pins D1, D5, D6, and D7. All Apps and shields which use these pins are not compatible

## Function

When you first start your device, you have to connect to it using your Smartphone. There, you go to 192.168.4.1 and enter your Wi-Fi credentials as well as your address and credentials of your MQTT broker. If you want to use Alexa, please switch it on.

Then, your device connects to your home Wi-Fi and you should get the MQTT messages. You also can discover your device in the “home Automation” tab of Alexa setup. There, you see also the “board name” which is used to call it (“on” or “off”)

The PIR sensor also toggles the relay.