

## Arduino Sensor IR Kit



### Specifications of IR Remote:

Working Distance	more than 8 m
Effective Angle	60 degrees
Surface Materials	0.125 mmPET stick
Effective Button Life	20000 times
Dynamic Current	3-5 mA
Infrared Wavelength	940Nm
Dimensions	86 x 40 x 6mm
Weight	15 rams

### Applications:

- Infrared remote-control switches are used to control multiple things like thyristor power control, TVs, video games, Space related equipment (NASA), etc.
- IR Remote Control Switch can also be used to switch on or off electronic appliances like washing machines, radio, TVs, etc. By using the comparative relays, we can switch ON or OFF the motor appliances also.

### Features of Infrared Receiver Module:

An IR infrared receiver module is a device that is used to detect infrared (IR) signals. It consists of an IR receiver and a processing circuit that is used to amplify and filter the signal from the receiver. The IR receiver is typically a photodiode or a phototransistor that is sensitive to IR light and is able to detect the presence of IR signals in its field of view. When an IR signal is detected, the processing circuit generates an electrical output signal that can be used to indicate the presence of the IR signal. IR infrared receiver modules are often used in conjunction with IR transmitter modules to create a complete IR communication system. They are used in a variety of applications, including remote control systems, security systems, and other applications that require the detection of IR signals.

### **Specifications:**

- Adopt 1838 remote control receiver with high sensitivity
- Working Voltage: 5V
- Output Form: digital output
- There are 2 fixing holes for easy installation. Aperture 3.1mm
- With data indicator
- PCB Size: 23.5 x 21.5mm

### **Wiring Instructions:**

- DAT digital output interface
- VCC 5V DC power supply positive
- GND 5V DC power supply negative

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