

ARD 2 **Arduino Compatibles**

Controllers, Shields, Modules & Sensors

Infrared Receiver Sensor

ARD2-2055

- **Anti-light, electromagnetic interference capability**
- **Built-in infrared dedicated IC**
- **Can work under 500LUX light intensity**

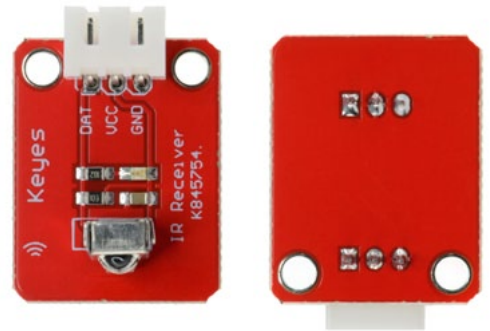


Description

This infrared receiver module uses an 1838 infrared receiver. Widely used for stereo, TV, VCR, disc players, set-top boxes, digital photo frames, household appliances car audio, remote control toys, satellite receivers, hard disk player, air conditioners, heaters, fans, lighting, etc.

Specifications

IR Receiver Dimensions	6.4 x 7.4 x 5.1mm
IR Receiver Angle	90° receiving angle
Working Voltage	2.7–5.5VDC
Frequency	37.9kHz
Receiving Distance	18m (using inner & outer double-shielded package structure)



Pinout

Module	Arduino	Function
VCC	5V	Power
GND	GND	Ground Connection
DAT	D11	Sensor digital output



Test Code

```
#include <IRremote.h>

int RECV_PIN = 11;
IRrecv irrecv(RECV_PIN);
decode_results results;

void setup()
{
  Serial.begin(9600);
  irrecv.enableIRIn(); // Start the receiver
}
void loop() {
  if (irrecv.decode(&results)) {
    Serial.println(results.value, HEX);
    irrecv.resume(); // Receive the next value
  }
}
```