



## Ks0027 keyestudio Digital IR Transmitter Module

### Introduction:

IR Transmitter Module is designed for IR communication which is widely used for operating the television device from a short line-of-sight distance. The remote control is usually contracted to remote.

Since infrared (IR) remote controls use light, they require line of sight to operate the destination device. The signal can, however, be reflected by mirrors, just like any other light sources.

If operation is required where no line of sight is possible, for instance when controlling equipment in another room or installed in a cabinet, many brands of IR extenders are available for this on the market. Most of these have an IR receiver, picking up the IR signal and relaying it via radio waves to the remote part, which has an IR transmitter mimicking the original IR control.

Infrared receivers also tend to have a more or less limited operating angle, which mainly depends on the optical characteristics of the phototransistor. However, it's easy to increase the operating angle using a matte transparent object in front of the receiver.

### Specification:

Power Supply: 3-5V

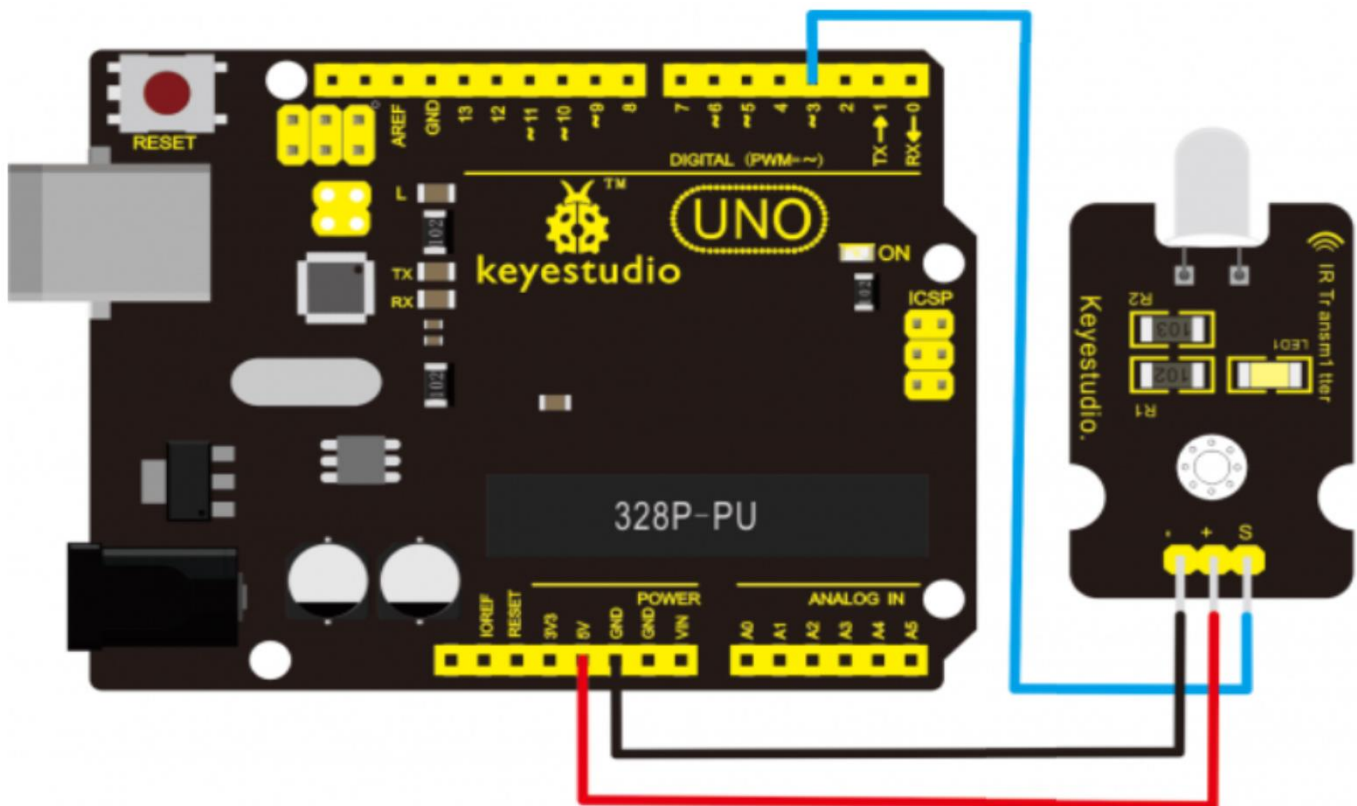
Infrared Center Frequency: 850nm-940nm

Infrared Emission Angle: about 20degree

Infrared Emission Distance: about 1.3m (5V 38Khz)

Mounting Hole: inner diameter is 3.2mm, spacing is 15mm

### Connection Diagram:



### Resources:

[https://wiki.keyestudio.com/Ks0027\\_keyestudio\\_Digital\\_IR\\_Transmitter\\_Module](https://wiki.keyestudio.com/Ks0027_keyestudio_Digital_IR_Transmitter_Module)