

# Arduino for ODROID-GO - IR Receiver



- Make sure that you've followed the [Arduino setup](#) guide.



You can receive an IR signal with ODROID-GO.

This example is for [our IR remote controller](#), but you can program with another remote controller the library supports.

## Requirements

Make sure that you have these products:

- [ODROID-GO](#)
- [IR receiver module](#)
- [Female/Male jumper wires](#) (3 EA)
- [microUSB cable](#)
- [IR Remote Controller](#)

Set up the development environment for Arduino on your system.

## Hardware setup

Please refer to the picture below when you set up your hardware.

We use the parts below:

- IR receiver module: [ROM-WT138L\(N\)](#)



fritzing

- Download Fritzing example file:
  - ODROID-GO: `odroid-go-ir-receiver.fzz`
  - IR receiver: `fritzing_odroid-go.fzpz`
  - IR receiver: `ir_receiver.fzpz`

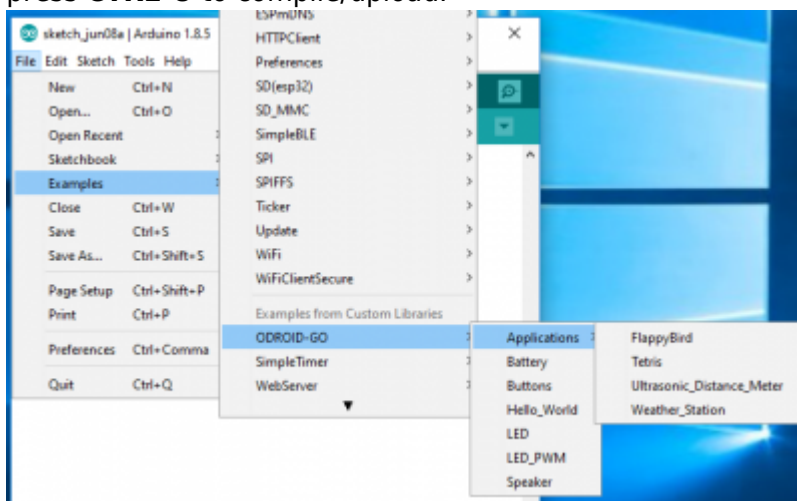
Connect each other directly using the jumper cables.  
You can use these pins at the **10 pin header(P2)**,

- **P2-1:** GND
- **P2-4:** GP15 (I/O)
- **P2-5:** GP4 (I/O)
- **P2-6:** 3.3V

Select one between P2-4 and 5 port for transferring a data.

## Import and compile, upload to ODROID-GO

Click the **Files** → **Examples** → **ODROID-GO** → **Applications** → **IR\_Receiver** menu to import and press **CTRL-U** to compile/upload.



Uploading is complete when the message “Hard resetting via RTS pin...” is seen.

## Check if it works

After the upload completes, ODROID-GO reboots automatically.

You can receive a signal from a remote controller that the IR library supports.

The given example is for [our IR remote controller](#). If a button pushed, **the pushed button appears** on the ODROID-GO.

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Last update: **2019/06/12 18:38**

