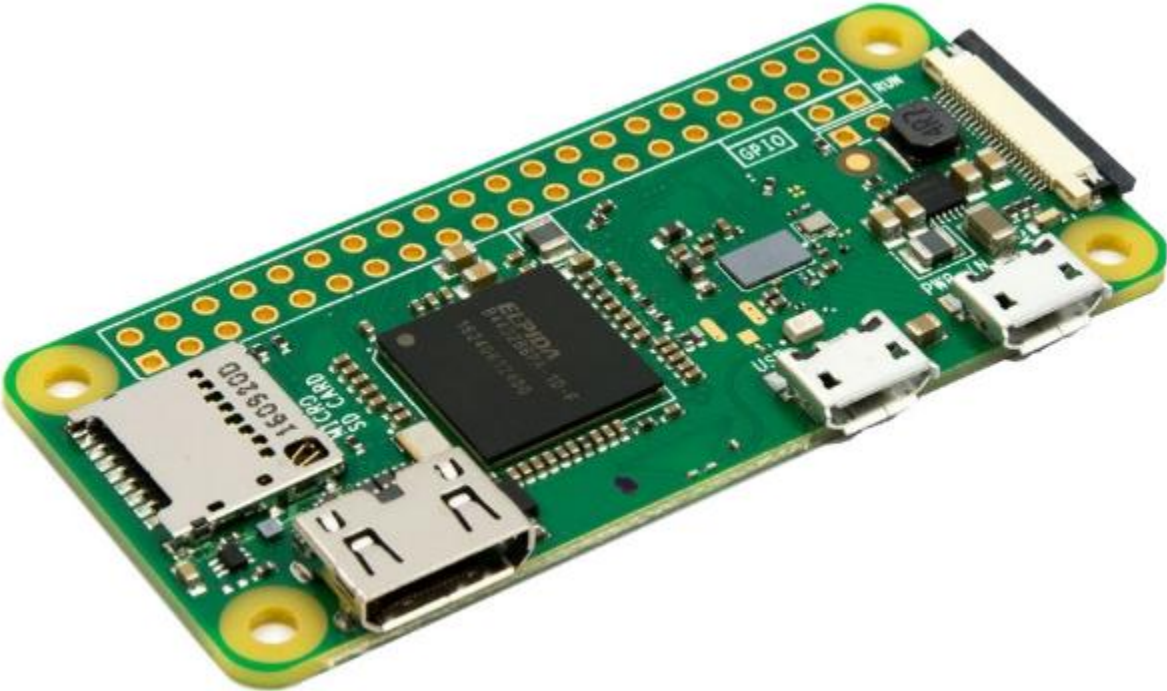
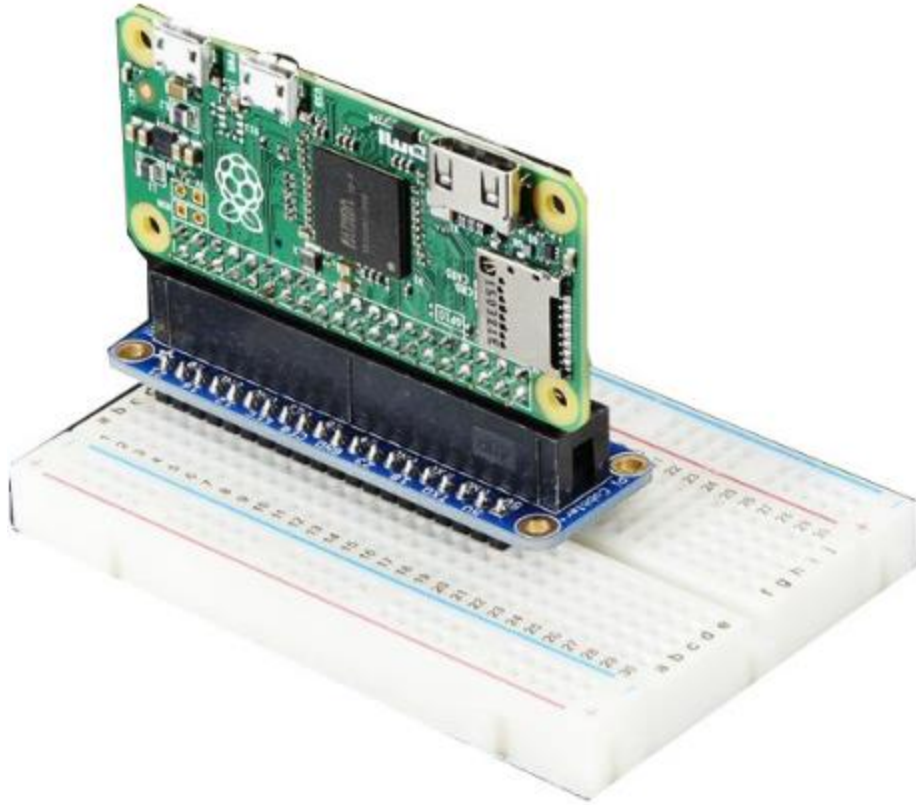


Chapter 1: Introduction to Raspberry Pi Zero W



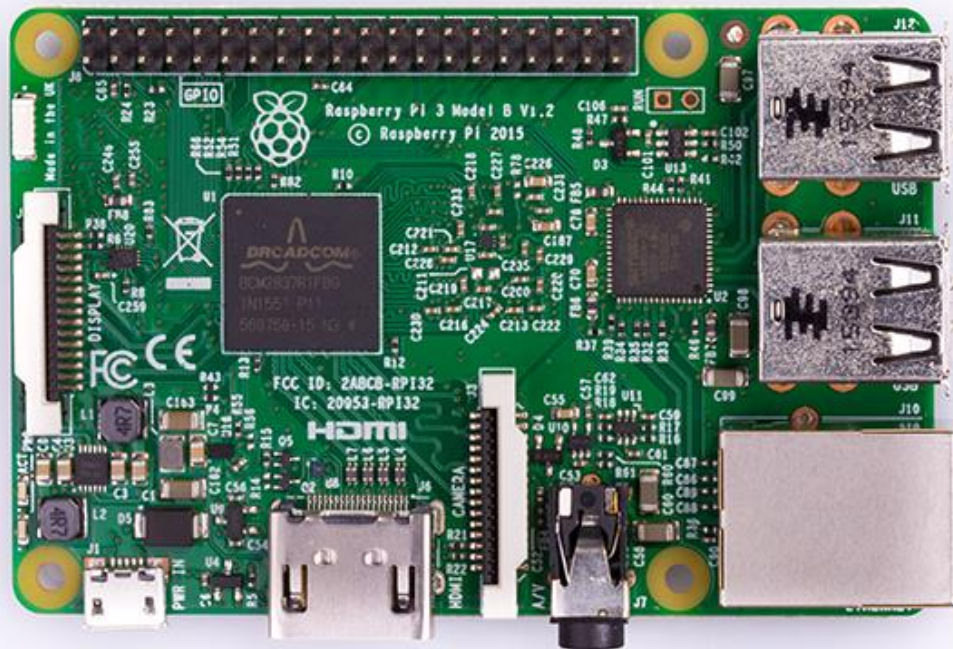
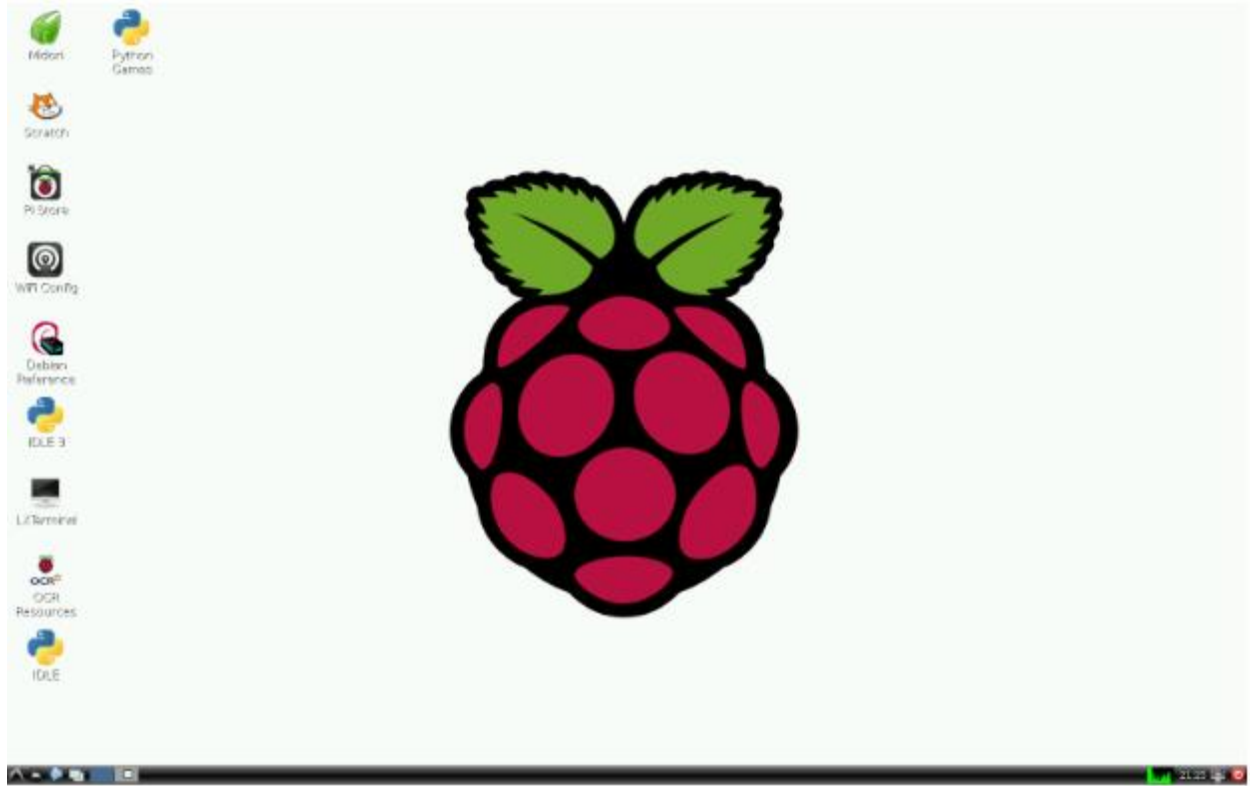


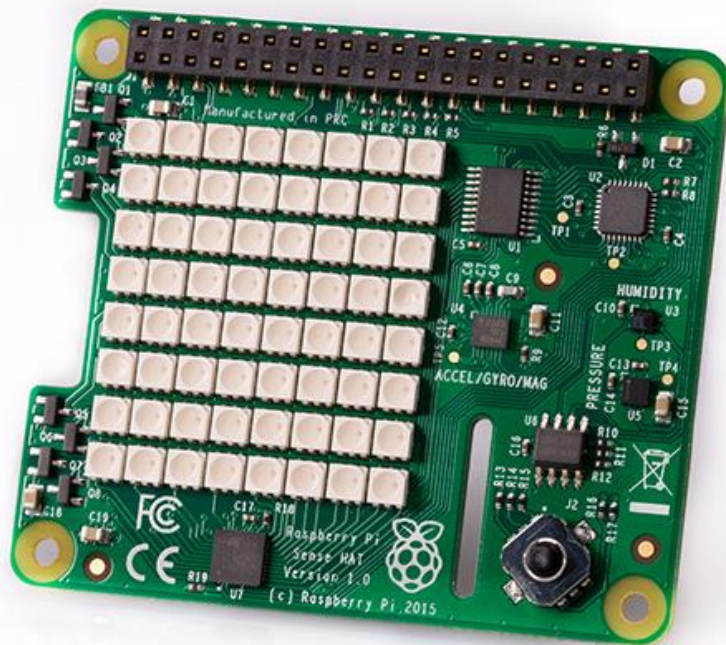


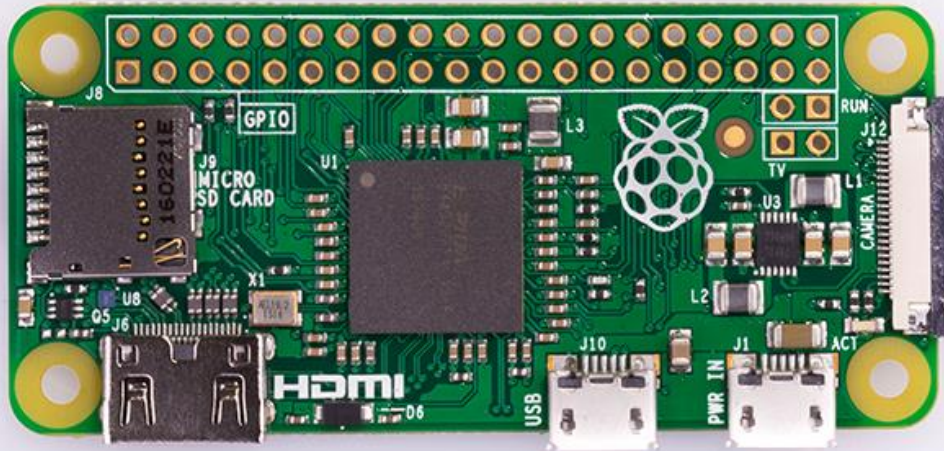




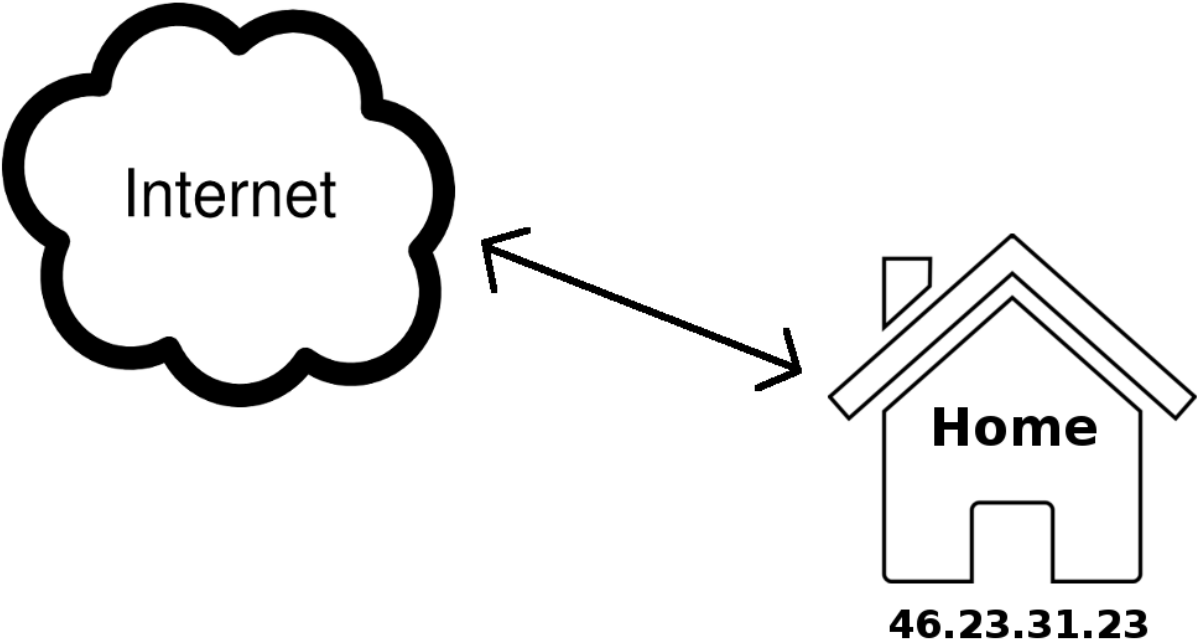
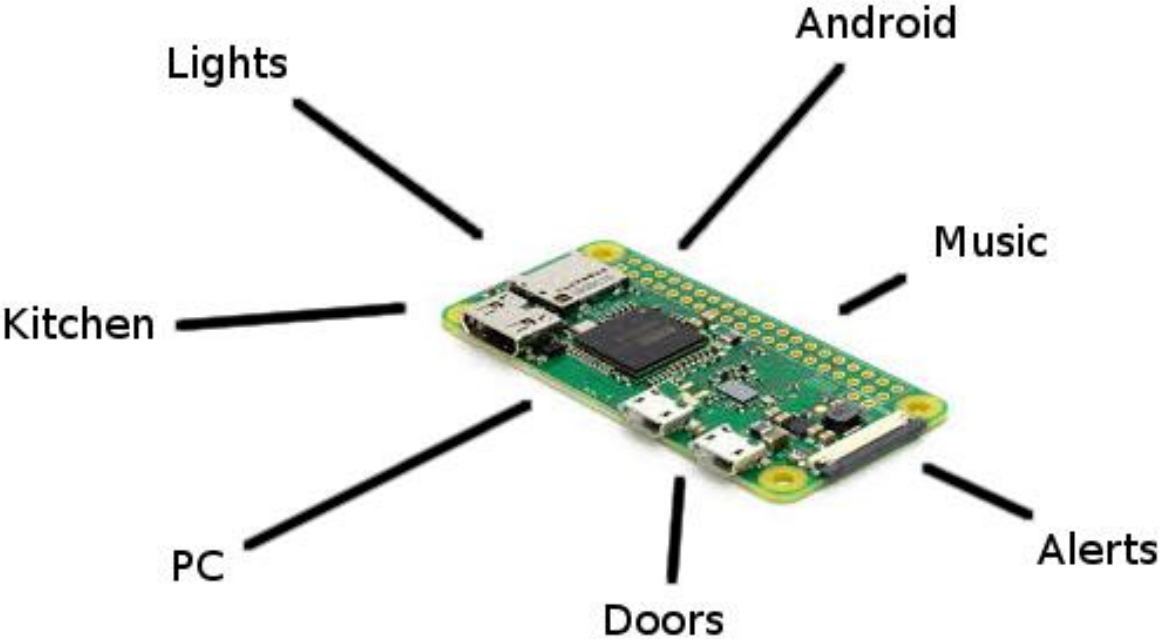


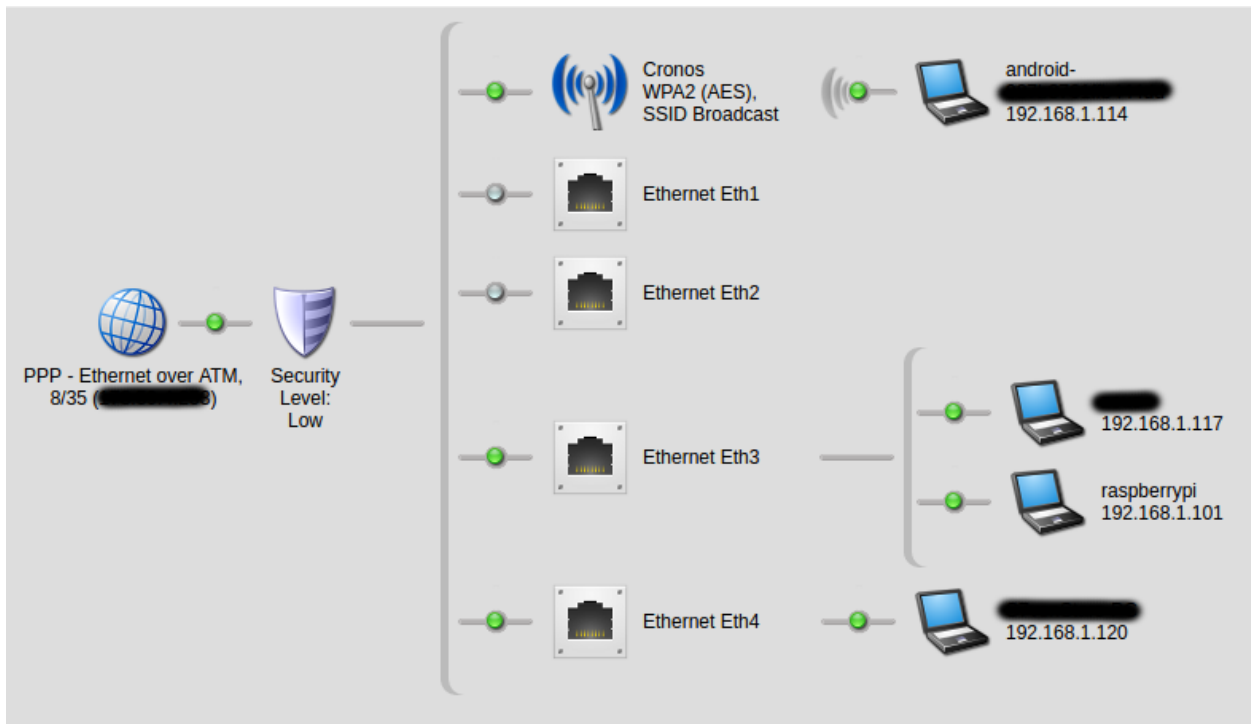






Chapter 2: IoT and Networking





Description	Traffic Coming from	External Port	Internal Port	Local Host
Rasp Server	Any Host PPP - Ethernet over ATM, 8/35	TCP 1770	➔ 2880	raspberrypi (192.168.1.101)

```
pi@raspberrypi:~ $ ifconfig
eth0      Link encap:Ethernet  HWaddr b8:27:eb:ed:23:bb
          inet addr:192.168.1.101  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fe80::fed5:3971:f6a8:61a6/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:483259 errors:0 dropped:40 overruns:0 frame:0
          TX packets:158544 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:135705578 (129.4 MiB)  TX bytes:19824896 (18.9 MiB)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:625 errors:0 dropped:0 overruns:0 frame:0
          TX packets:625 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1
          RX bytes:56274 (54.9 KiB)  TX bytes:56274 (54.9 KiB)

wlan0     Link encap:Ethernet  HWaddr b8:27:eb:b8:76:ee
          inet6 addr: fe80::bc24:b350:3b5b:c186/64 Scope:Link
          UP BROADCAST MULTICAST  MTU:1500  Metric:1
          RX packets:102707 errors:0 dropped:102707 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:36998689 (35.2 MiB)  TX bytes:0 (0.0 B)
```

```
pi@raspberrypi:~ $ ping -c 3 www.google.com
PING www.google.com (216.58.208.36) 56(84) bytes of data.
64 bytes from fra15s12-in-f36.1e100.net (216.58.208.36): icmp_seq=1 ttl=54 time=135 ms
64 bytes from fra15s12-in-f36.1e100.net (216.58.208.36): icmp_seq=3 ttl=54 time=164 ms
```

```
--- www.google.com ping statistics ---
3 packets transmitted, 2 received, 33% packet loss, time 2005ms
rtt min/avg/max/mdev = 135.914/150.445/164.977/14.536 ms
```

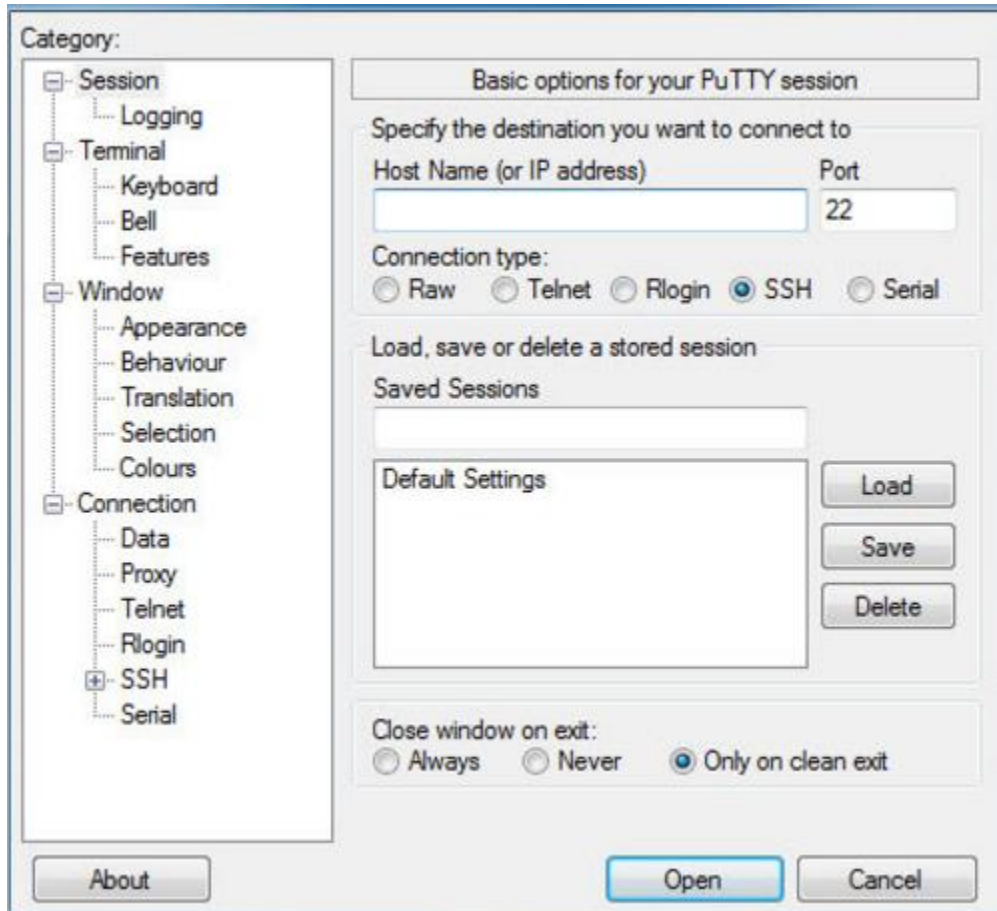
```
pi@raspberrypi:~ $ _
```

```
~ $ python -m SimpleHTTPServer 8000
Serving HTTP on 0.0.0.0 port 8000 ...
```

```
pi@raspberrypi:~ $ ssh pi@192.168.1.101
The authenticity of host '192.168.1.101 (192.168.1.101)' can't be established.
ECDSA key fingerprint is da:18:6e:36:10:fb:5e:e1:65:09:ef:82:0e:2d:42:14.
Are you sure you want to continue connecting (yes/no)? yes_
```



```
pi@raspberrypi: ~  
pi@raspberrypi:~ $ ls  
BBChat  Documents  Music      Public     Videos  
Desktop Downloads  Pictures   Templates  sketchbook  
pi@raspberrypi:~ $ _
```



File Edit View Transfer Server Bookmarks Help

Host: sftp://192.168.1.1 Username: pi Password: Port: Quickconnect

Status: Connecting to 192.168.1.101...
 Status: Connected to 192.168.1.101
 Status: Retrieving directory listing...
 Status: Listing directory /home/pi
 Status: Directory listing of "/home/pi" successful

Local site: /home/mark/Desktop/ Remote site: /home/pi

Filename	Filesize	Filetype
c.png	33,4 KB	png-file
d.png	237,0 KB	png-file
data.tsv~	21,3 KB	tsv~-file
download.jpg	7,6 KB	jpg-file
filezilla-settings.png	18,4 KB	png-file
index.html~	1,9 KB	html~-file
internet-cloud-clip-art-a...	29,2 KB	png-file
internet.png	47,1 KB	png-file
login.png	10,0 KB	png-file
marka.py~	803 B	py~-file
network.png	68,0 KB	png-file
puttyimg.png	161,1 KB	png-file
router_interface.png	94,4 KB	png-file
teester.py~	832 B	py~-file
test.py~	767 B	py~-file
url.html	592 B	html-file
url.png	4,6 KB	png-file
ααδ.png	121,2 KB	png-file

28 files and 5 directories. Total size: 1,3 MB


Filename	Filesize	Filetype	Last modified	Permissions	Owner/Group
.dbus		Directory	05/27/2016 02...	drwx-----	pi pi
.fontconfig		Directory	05/27/2016 02...	drwxr-xr-x	pi pi
.gstreamer-0.10		Directory	05/27/2016 02...	drwxr-xr-x	pi pi
.java		Directory	04/17/2017 03...	drwxr-xr-x	pi pi
.local		Directory	05/27/2016 02...	drwxr-xr-x	pi pi
.oracle_jre_usage		Directory	04/17/2017 03...	drwxr-xr-x	pi pi
.ssh		Directory	04/18/2017 07...	drwxr-xr-x	pi pi
.themes		Directory	05/27/2016 02...	drwxr-xr-x	pi pi
.thumbnails		Directory	04/17/2017 03...	drwx-----	pi pi
BBChat		Directory	04/23/2017 08...	drwxr-xr-x	pi pi
Desktop		Directory	04/22/2017 07...	drwxr-xr-x	pi pi
Documents		Directory	05/27/2016 02...	drwxr-xr-x	pi pi
Downloads		Directory	05/27/2016 02...	drwxr-xr-x	pi pi

12 files and 23 directories. Total size: 21,8 KB


Server/Local file	Direction	Remote file	Size	Priority	Status
url.png		pi@192.168.1.102:/home/pi/	4.4KB		100%

```
~/Desktop $ scp url.png pi@192.168.1.102:/home/pi/
pi@192.168.1.102's password:
url.png 100% 4528 4.4KB/s 00:00
```


Security Settings




Firewall



DMZ



Parental Control



Captive Portal

Enabled: Yes No

Security Level: High ▼

Last Change: Time: 16:01:19 Date: 11/02/2014

Chapter 3: Chatbot

```
mark@zeus ~ $ sudo /opt/lampp/lampp start
[sudo] password for mark:
Starting XAMPP for Linux 7.0.15-0...
XAMPP: Starting Apache...already running.
XAMPP: Starting MySQL...already running.
XAMPP: Starting ProFTPD...already running.
mark@zeus ~ $ _
```

```
mark@zeus ~ $ sudo /opt/lampp/lampp stop
Stopping XAMPP for Linux 7.0.15-0...
XAMPP: Stopping Apache...ok.
XAMPP: Stopping MySQL...ok.
XAMPP: Stopping ProFTPD...ok.
mark@zeus ~ $ _
```

```
mark@zeus ~ $ sudo /opt/lampp/lampp restart
Restarting XAMPP for Linux 7.0.15-0...
XAMPP: Stopping Apache...not running.
XAMPP: Stopping MySQL...not running.
XAMPP: Stopping ProFTPD...not running.
XAMPP: Starting Apache...ok.
XAMPP: Starting MySQL...ok.
XAMPP: Starting ProFTPD...ok.
mark@zeus ~ $ _
```

Apache Friends

[Applications](#)

[FAQs](#)

[HOW-TO Guides](#)

[PHPInfo](#)

[phpMyAdmin](#)



XAMPP Apache + MySQL + PHP + Perl

Welcome to XAMPP for Windows 5.5.28

Index of /chatUI

Name	Last modified	Size	Description
 Parent Directory		-	

This is my website


Pi Zero W ChatBot v1.0


What time is it?


Submit


ChatBot answer:


The time is: 11:43:37 pm


 Build

 Set up AI

 Broadcast

 Configure

 Promote

 Analyze

✓ Connected to Facebook Page

 Techinch













Persistent menu

The Persistent Menu is always available to the user in Messenger by tapping on the 3-caret icon on the left of the text input.

ADD MENU ITEM

Choose a Template

[Help](#) ✕

 Blank Flow	 Book a Room	 Book a Table	 Book a Service
 Buy Tickets	 Apply or Sign Up	 FAQ	 Message a Human
 Small Talk	 Welcome & Help	 Find Location	 News Feed



Hello cleverbot.

I'm not a bot but I am clever.

[think about it](#)

[think for me](#)

[thoughts so far](#)

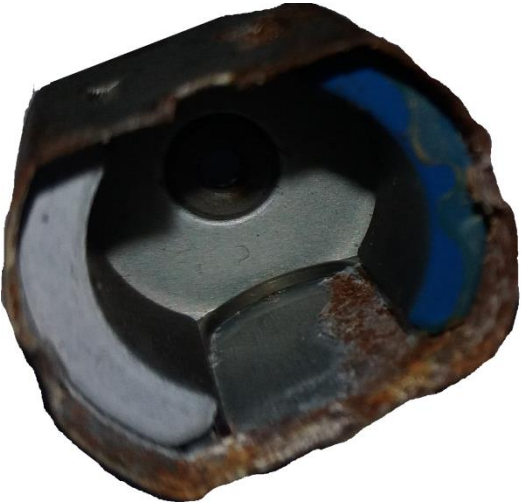


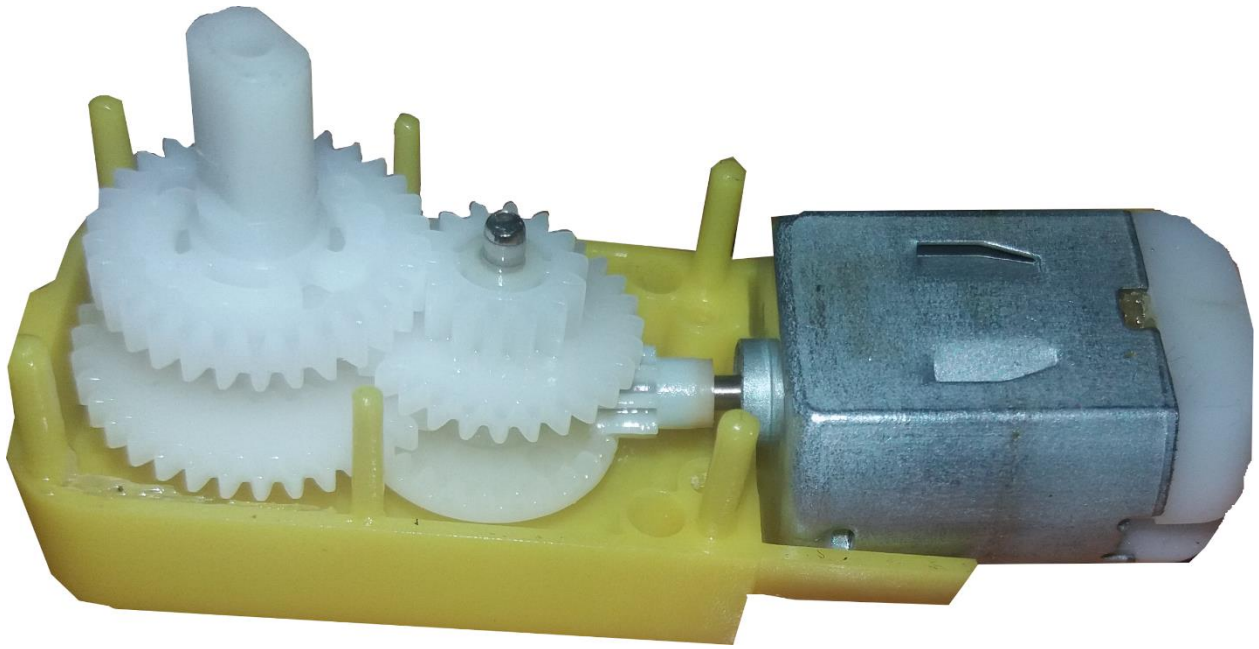
NOTE: Cleverbot learns from people - things said may seem inappropriate - use at your own risk

PARENTS: Visitors never talk to a human - it knows many topics - use only with oversight

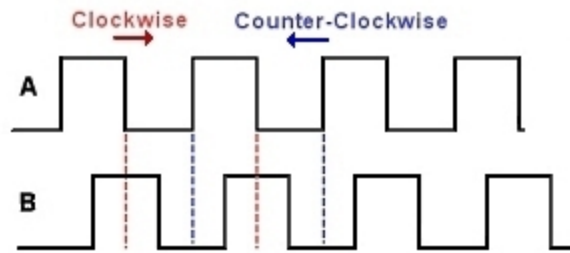
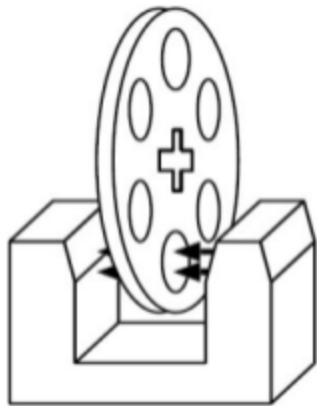
©2015 Rollo Carpenter - all rights reserved - access granted only via this interface

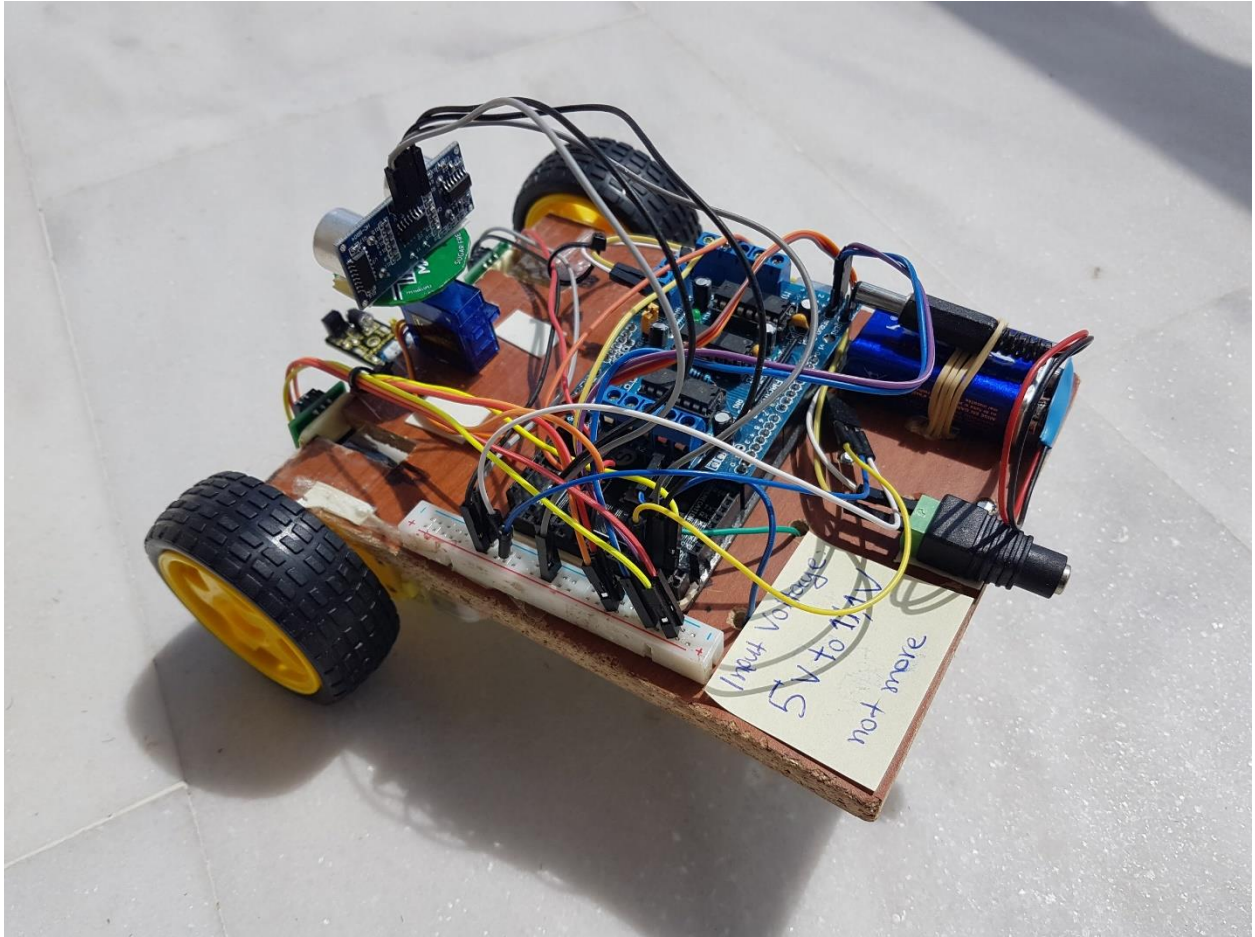
Chapter 4: Mobile Robot

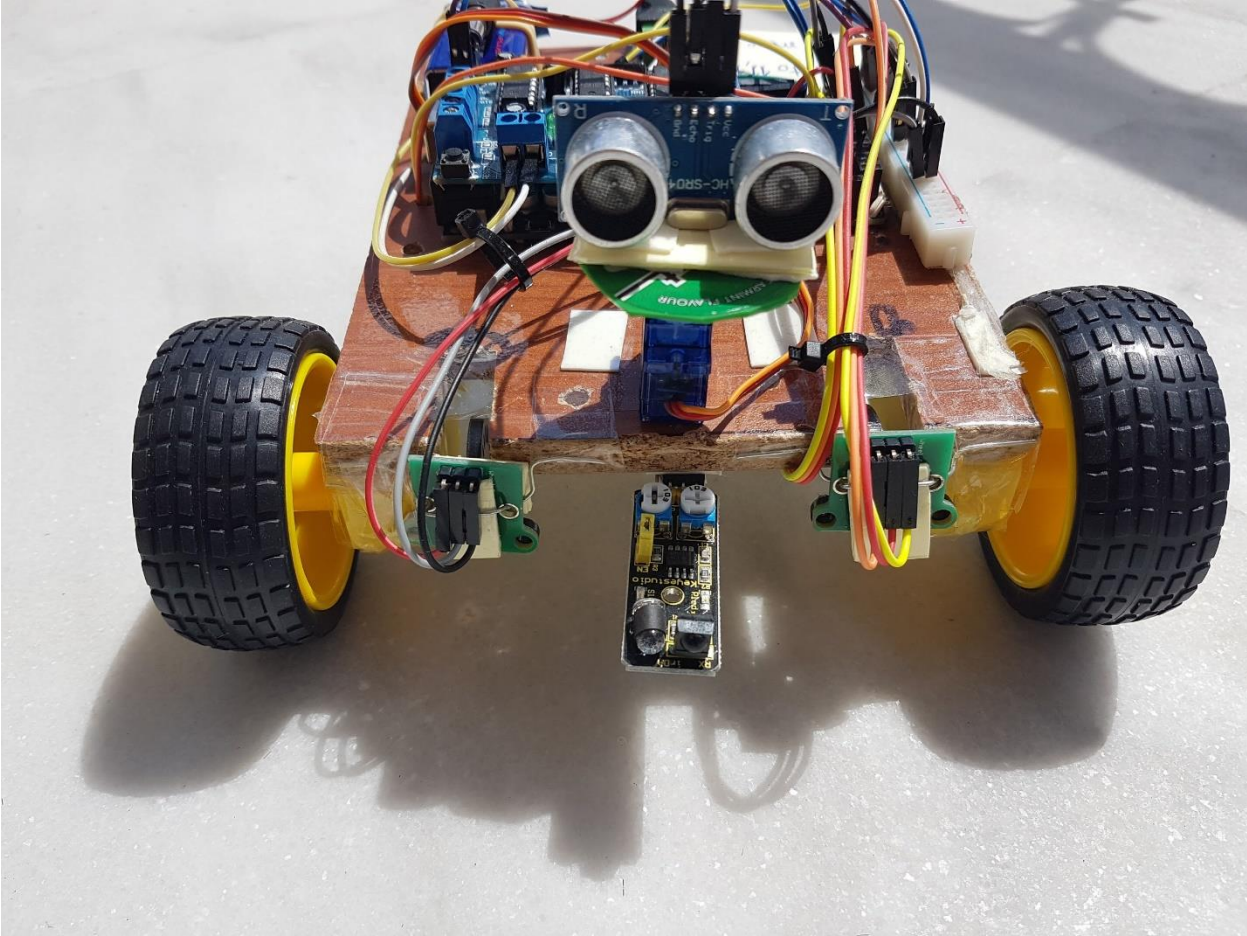


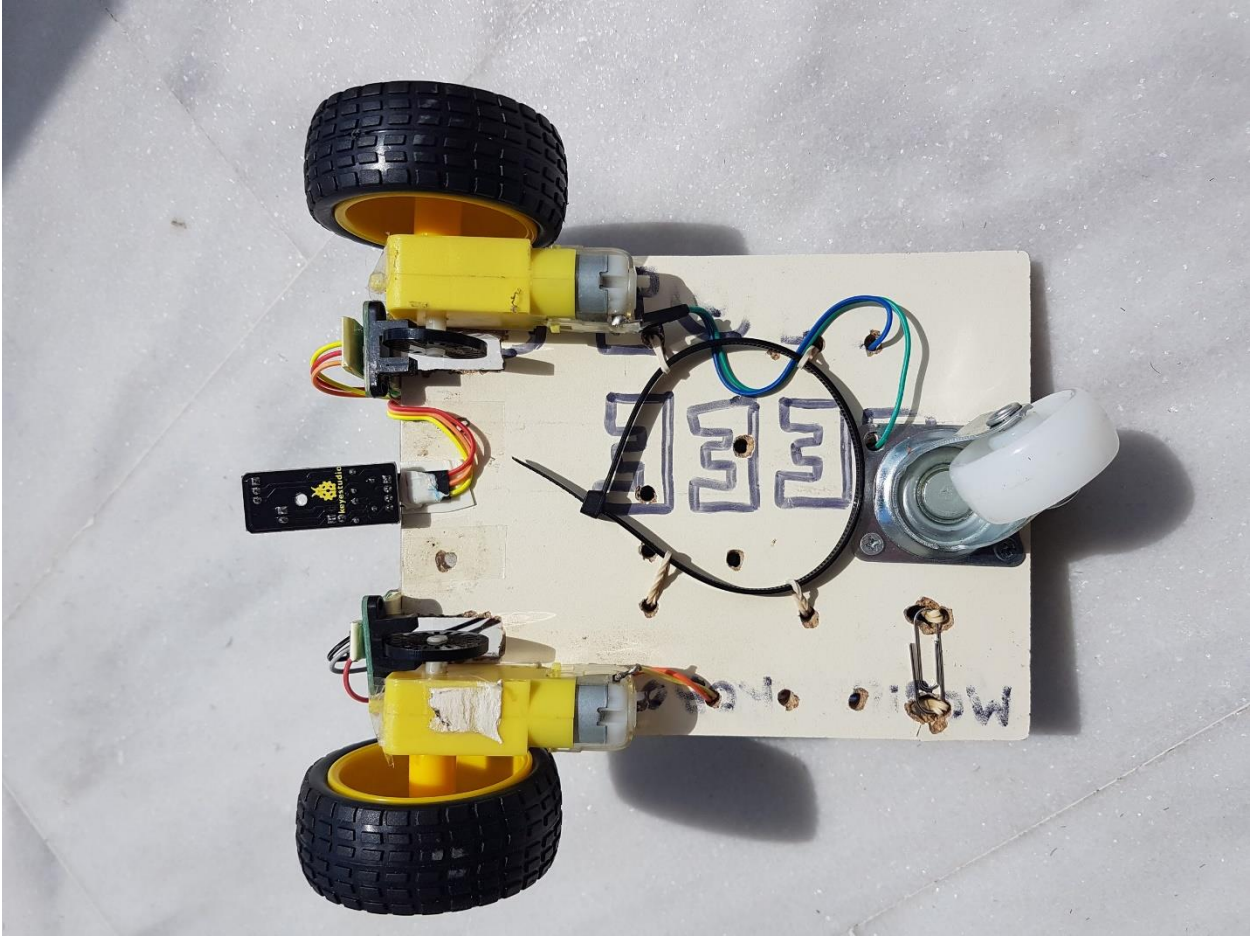




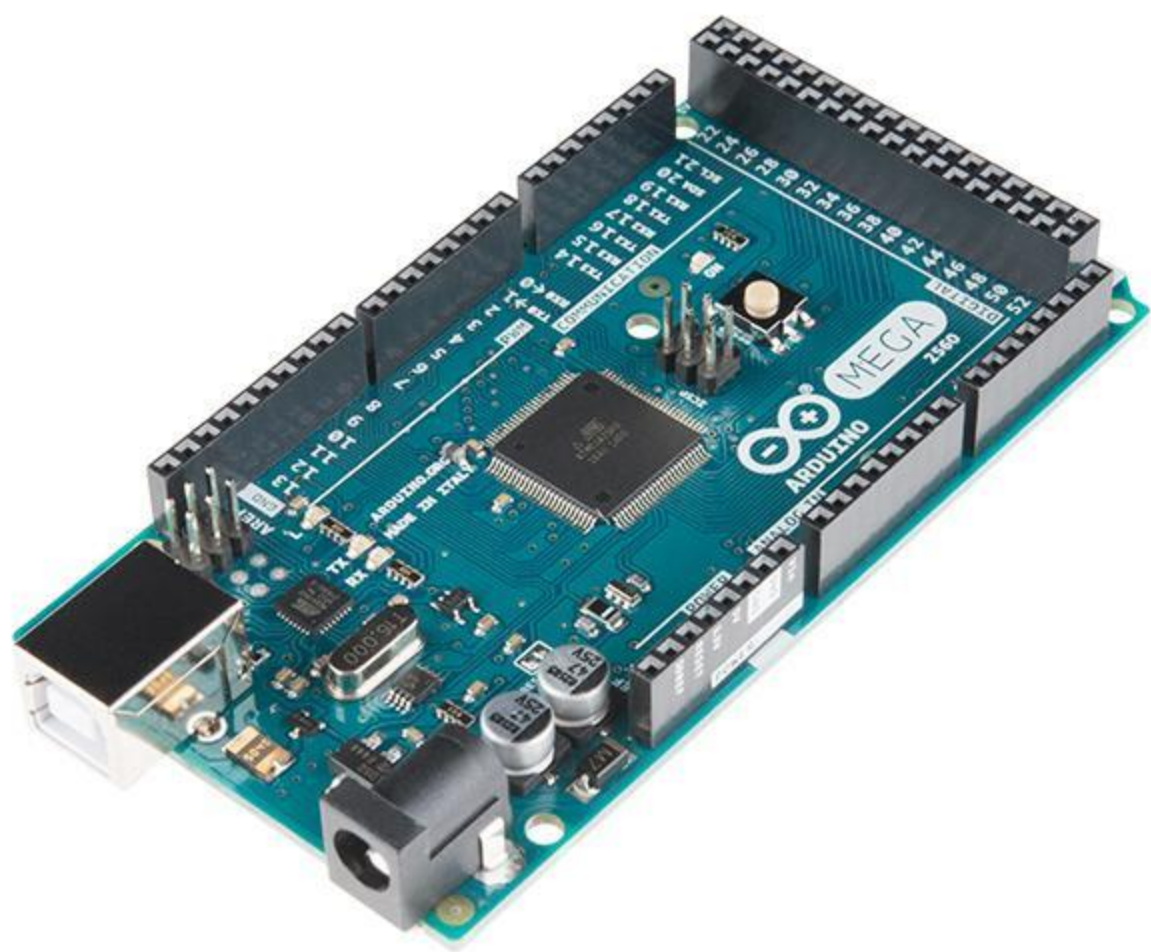








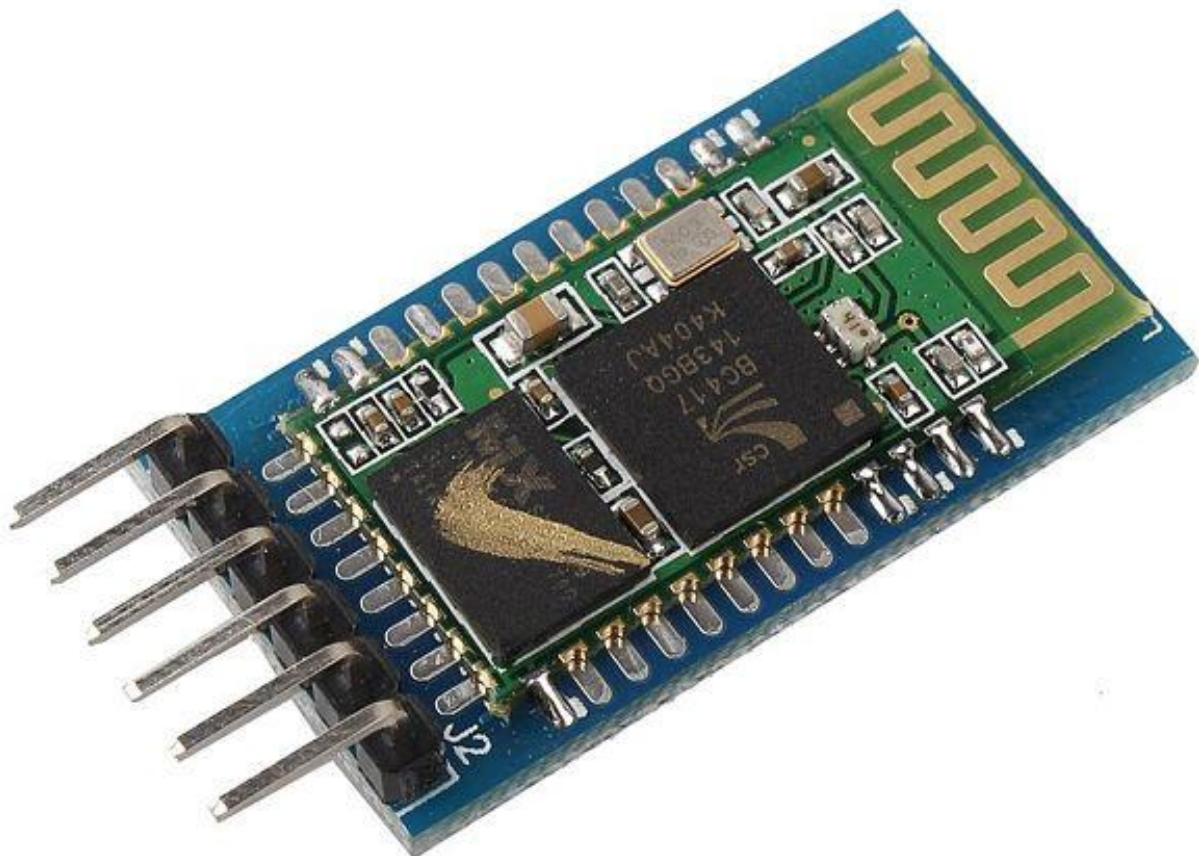


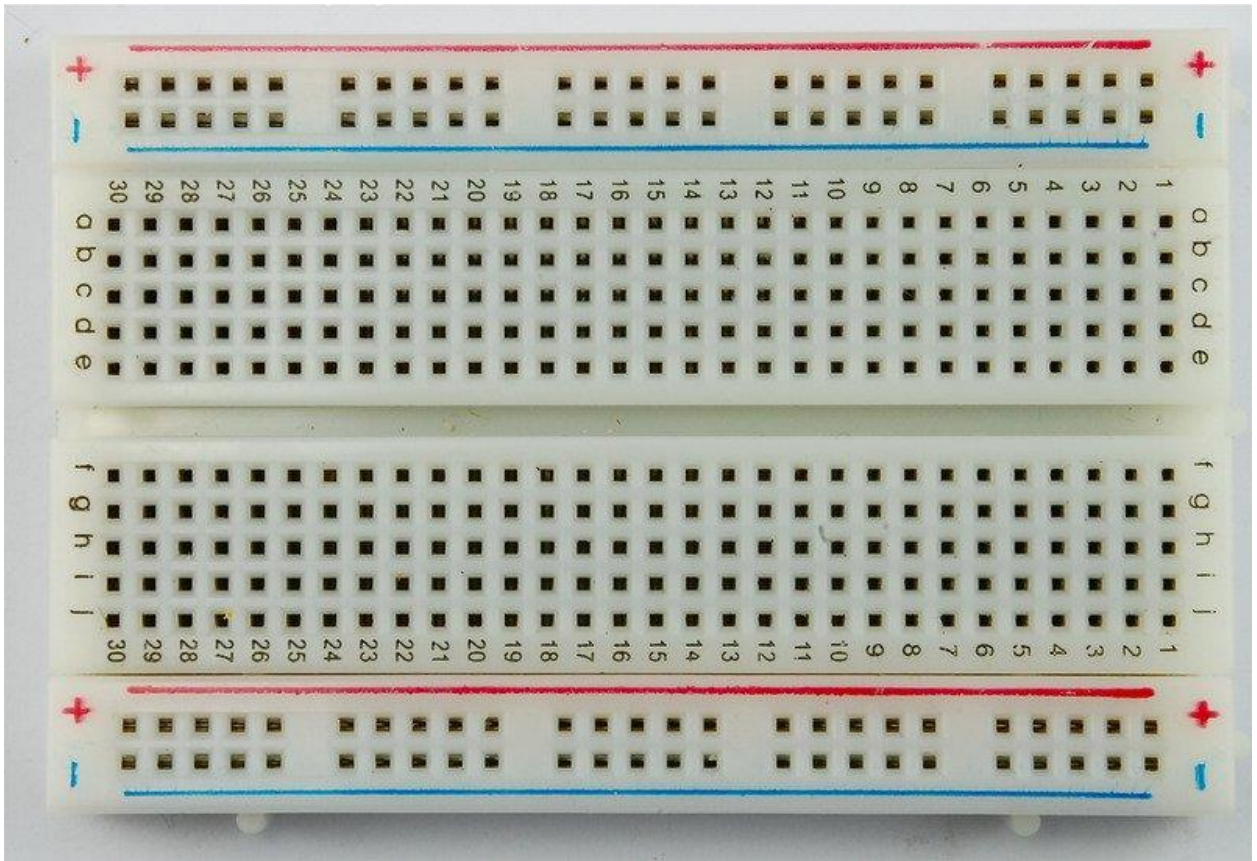
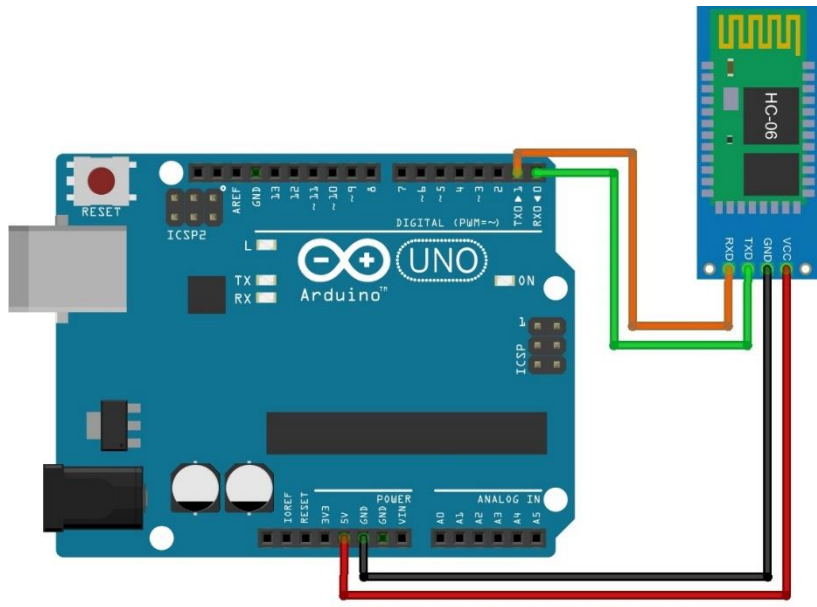


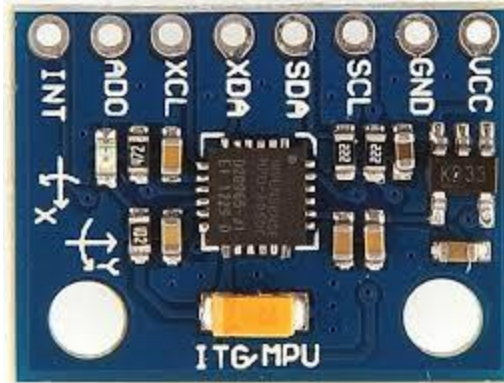




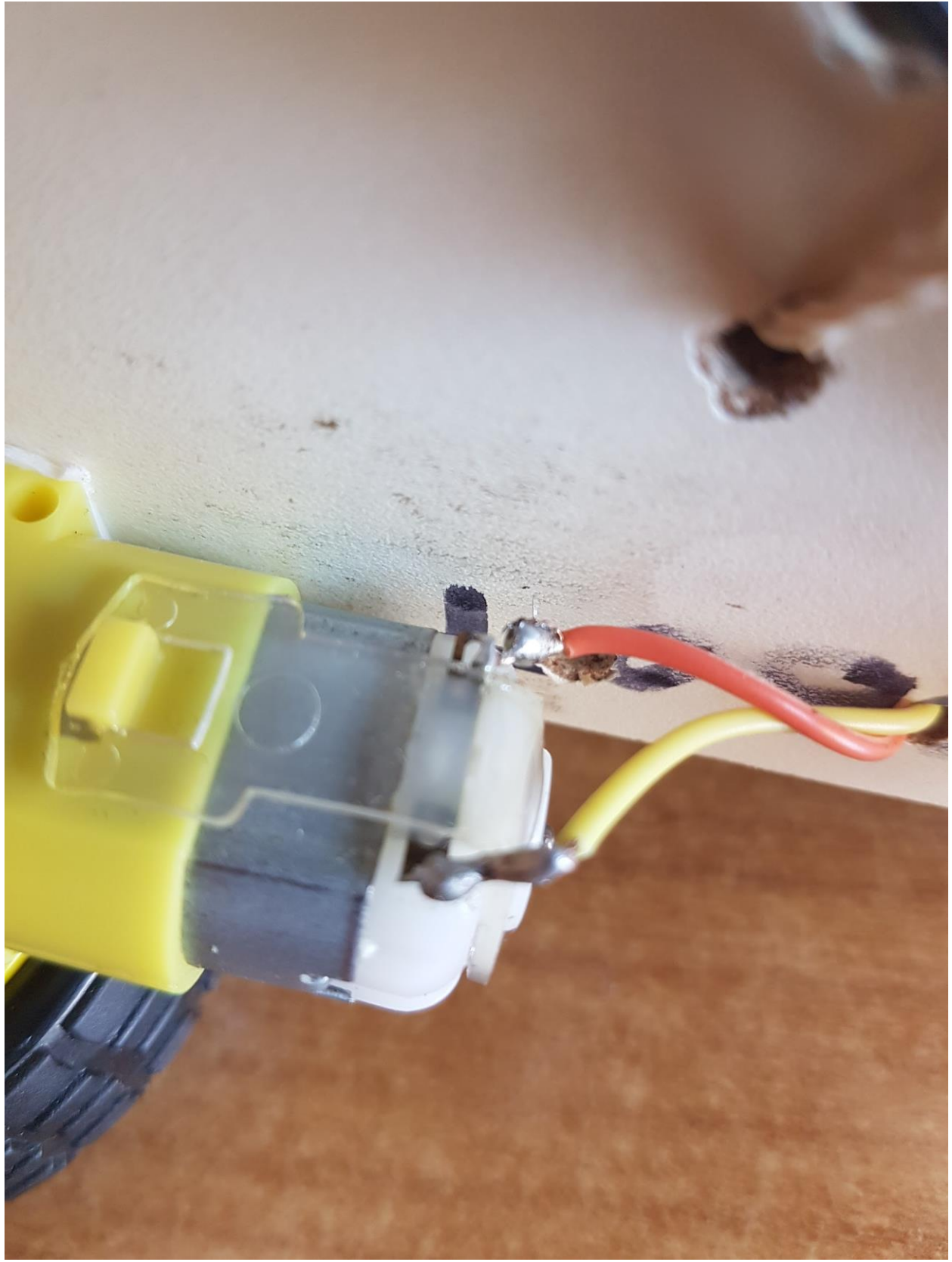


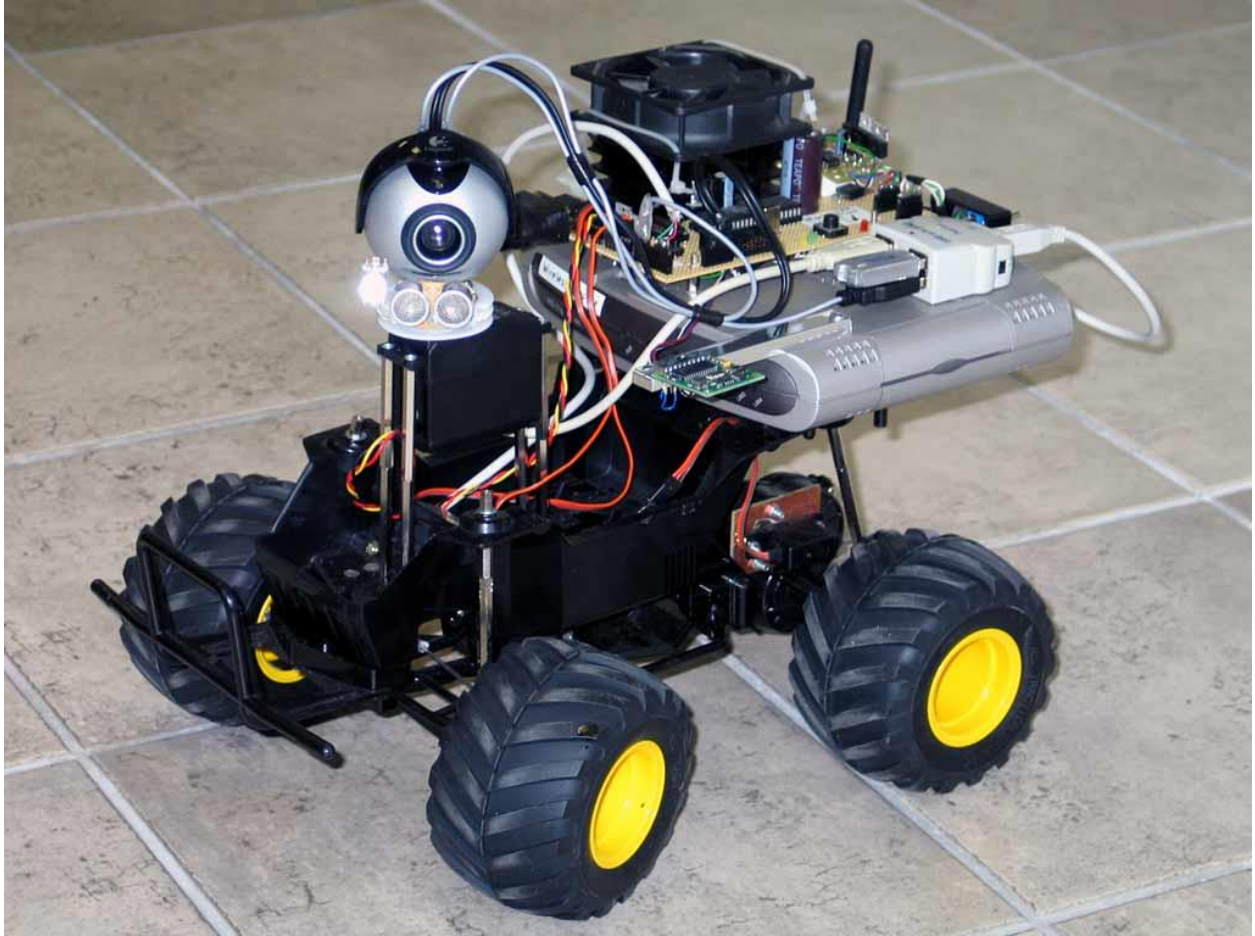


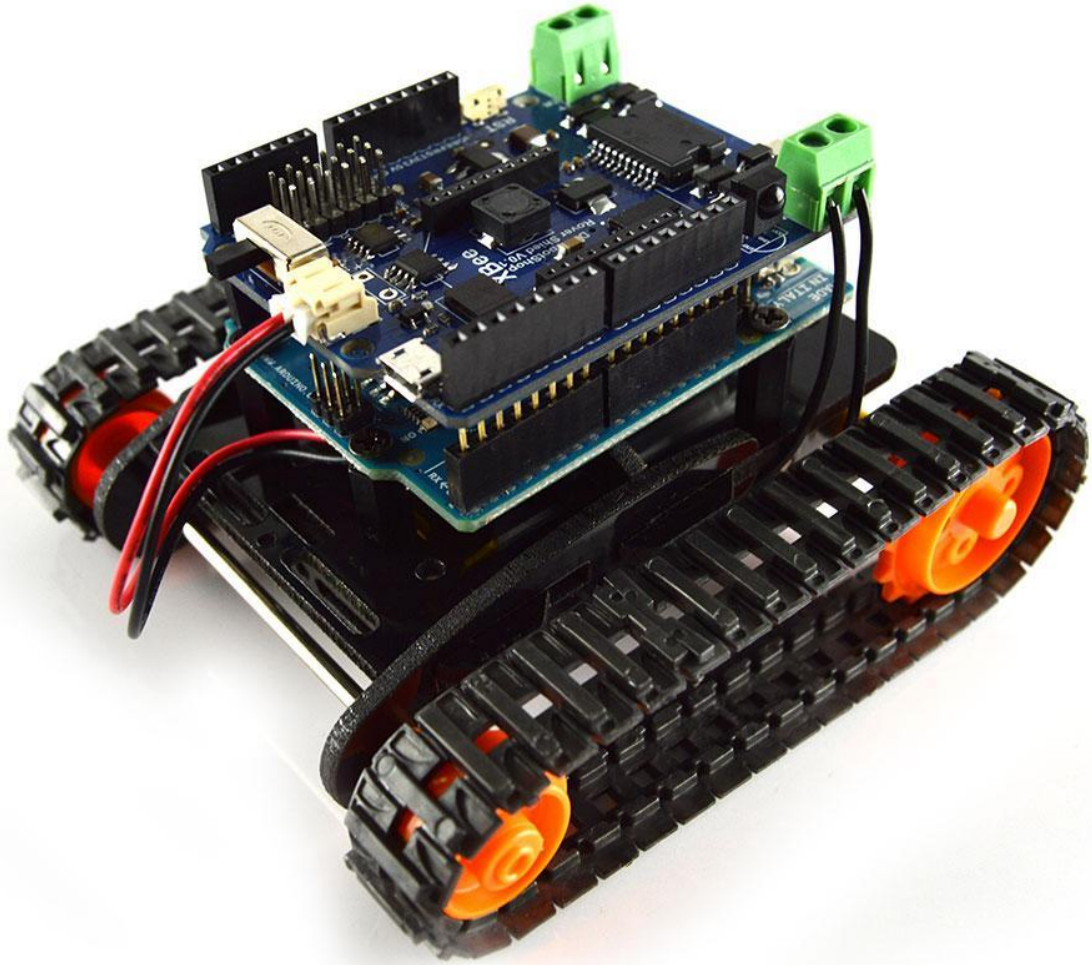


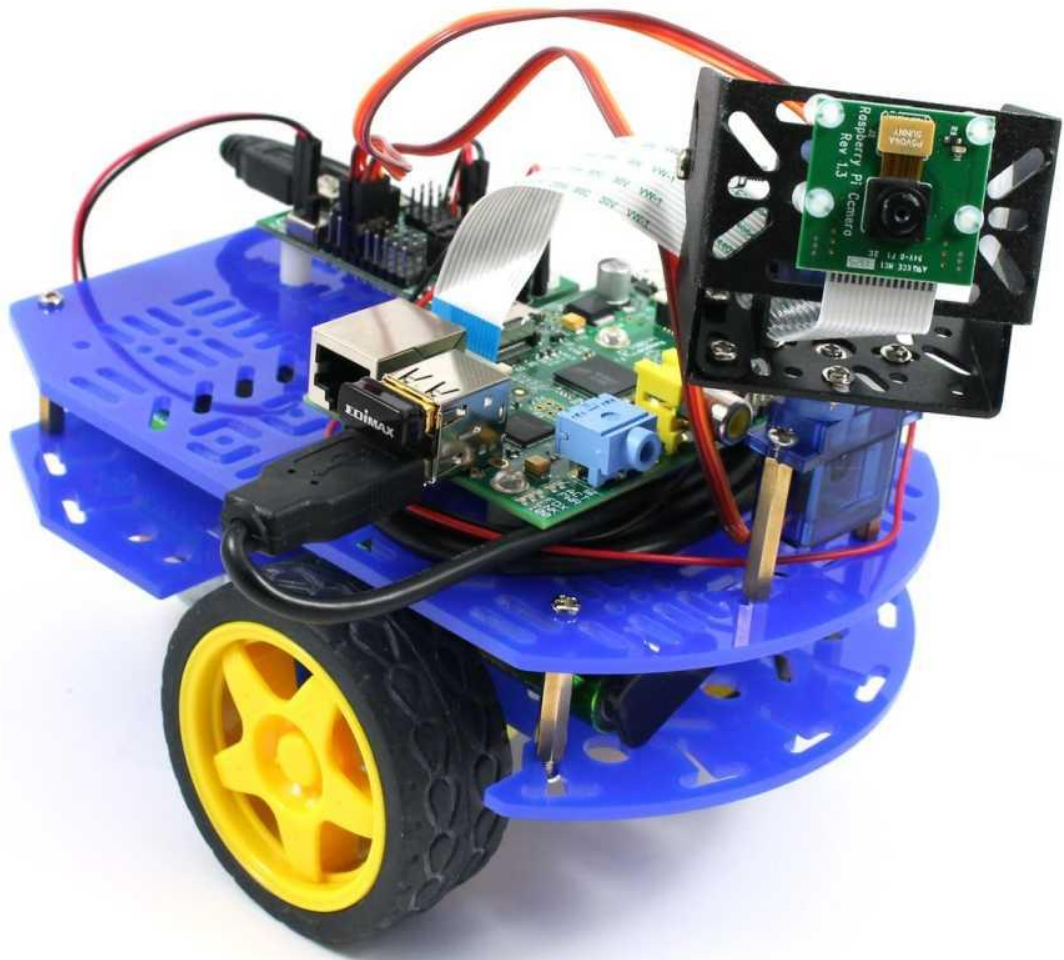












Chapter 5: Home Bot



Directory listing for /

- [.adobe/](#)
- [.android/](#)
- [.AndroidStudio2.3/](#)
- [.aptitude/](#)
- [.arduino/](#)
- [.arduino-create/](#)
- [.arduino15/](#)
- [.atom/](#)
- [.audacity-data/](#)
- [.bash_history](#)
- [.bash_logout](#)
- [.bashrc](#)
- [.bashrc-anaconda2.bak](#)
- [.cache/](#)
- [.cassandra/](#)

FUNDAMENTALS

[Formatting Messages](#)

[Message Attachments](#)

[Unfurling links](#)

[User Presence](#)

[Rate Limits](#)

KEEP IN TOUCH

[Recent updates](#)

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[@SlackAPI](#)

[Platform Blog](#)

[Slack Engineering Blog](#)

Authentication

Authenticate your Web API requests by providing a bearer token, which identifies a single user.

Register your application with Slack to obtain credentials for use with our [OAuth 2.0](#) implementation, which allows you to negotiate tokens on behalf of users and teams. Tokens should be passed in all Web API calls as a parameter called `token`.

While developing or testing your app, you may use test tokens using our [test token generator](#).

[Generate test tokens](#)

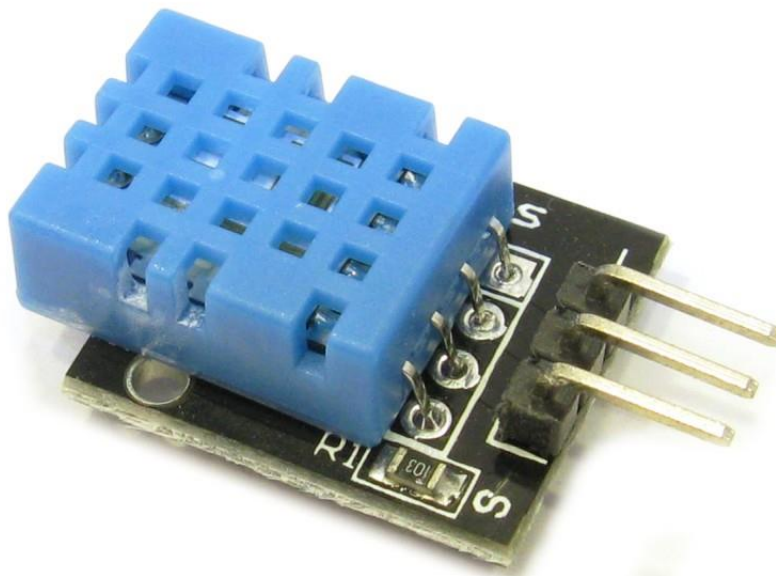
⚠ **Test tokens are just for you.** Treat them as you would a password. Never share test tokens with other users or applications.



pythonbot BOT 10:38 AM

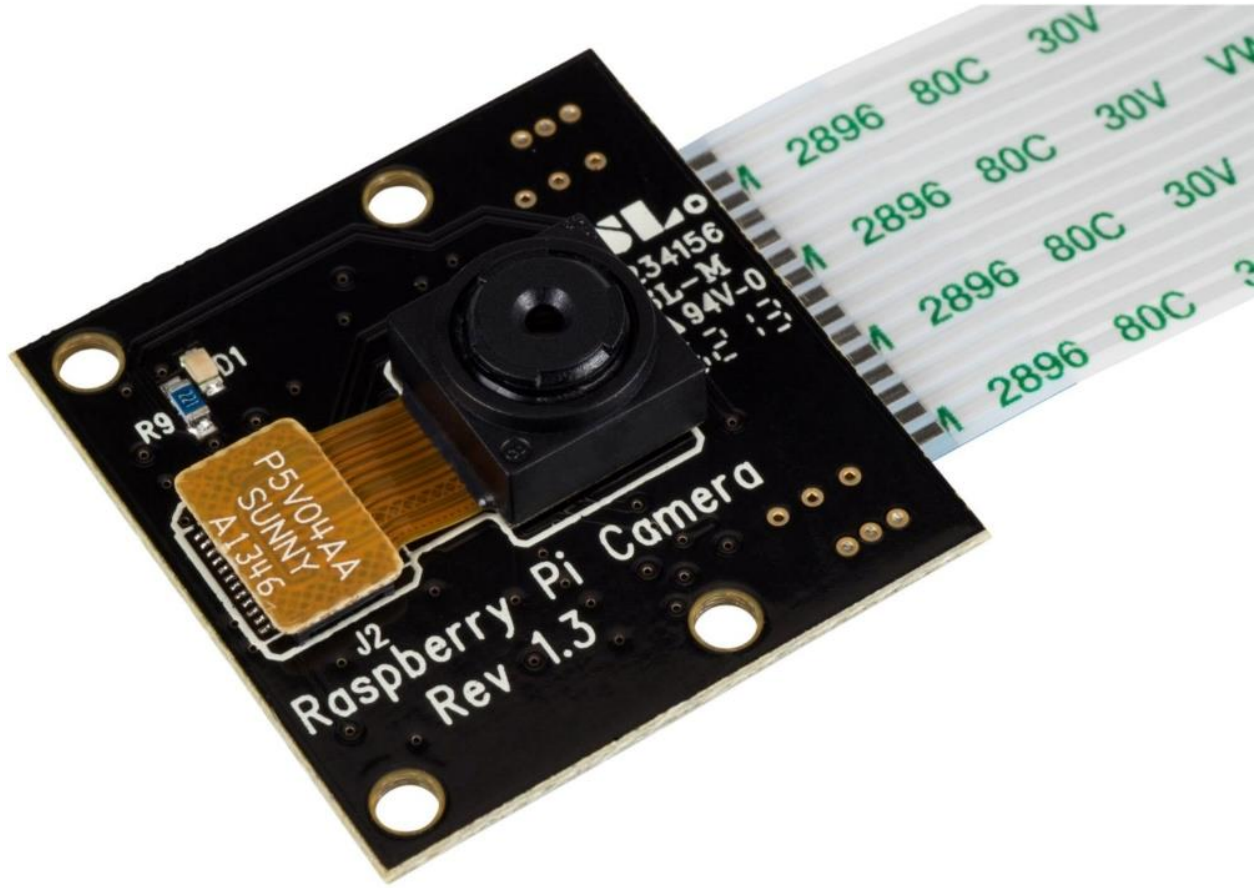
Hello general! It worked!





Chapter 6: Security Camera





Camera1 mp-40489697 Apply motionPie

ON Video Device

Camera Name Camera1
Camera Device /dev/video0
Camera Type V4L2 Camera

Light Switch Detection ON
Automatic Brightness OFF

Brightness 0% 25% 50% 75% 100%

Contrast 0% 25% 50% 75% 100%

Saturation 0% 25% 50% 75% 100%

Video Resolution 320x240
Video Rotation 0°
Frame Rate 2 5 10 15 20 25 30
Extra Motion Options

File Storage

ON Text Overlay

ON Video Streaming

off Still Images

ON Motion Detection

Camera1
2025-03-10 08:13:53

copyright © Calin Crisan

General Settings

Advanced Settings ON

Admin Username admin

Admin Password

Surveillance Username user

Surveillance Password

Current Version 0.33.2

Configuration Backup Restore

General Settings ▾

Advanced Settings ON

Admin Username

Admin Password

Surveillance Username

Surveillance Password

Time Zone

Hostname

motionEye Version 0.35.2

Motion Version 4.0.1+git37b3595

OS Version motionEyeOS_20170329

Software Update

Power

Configuration

Network ▾

Wireless Network ON

Wireless Network Name

Wireless Network Key

IP Configuration

IP Address

Network Mask

Default Gateway

DNS Server

Services ◀

ON Video Device ▾

Camera Name

Camera Device

Camera Type

Automatic Brightness OFF

Brightness

Contrast

Saturation

Video Resolution ▾

Video Rotation ▾

Frame Rate

Extra Motion Options

File Storage ▾

Storage Device ▾

Root Directory

Disk Usage

Upload Media Files OFF

Call A Web Hook OFF

Run A Command OFF

ON Text Overlay

Left Text ▾

Right Text ▾

ON Video Streaming

Streaming Frame Rate 1 5 10 15 20 25 30

Streaming Quality 0% 25% 50% 75% 100%

Streaming Image Resizing OFF

Streaming Port

Motion Optimization ON

Snapshot URL

Streaming URL

Embed URL

ON Motion Detection ▾

Show Frame Changes OFF

Frame Change Threshold 0% 5% 10% 15% 20%

Auto Noise Detection ON

Light Switch Detection 0% 25% 50% 75% 100%

Motion Gap seconds

Captured Before frames

Captured After frames

Minimum Motion Frames frames

Motion Notifications ▼

Email Notifications OFF

Web Hook Notifications ON

Web Hook URL

HTTP Method

Run A Command OFF

ON

Working Schedule ▼

Monday OFF

Tuesday OFF

Wednesday OFF

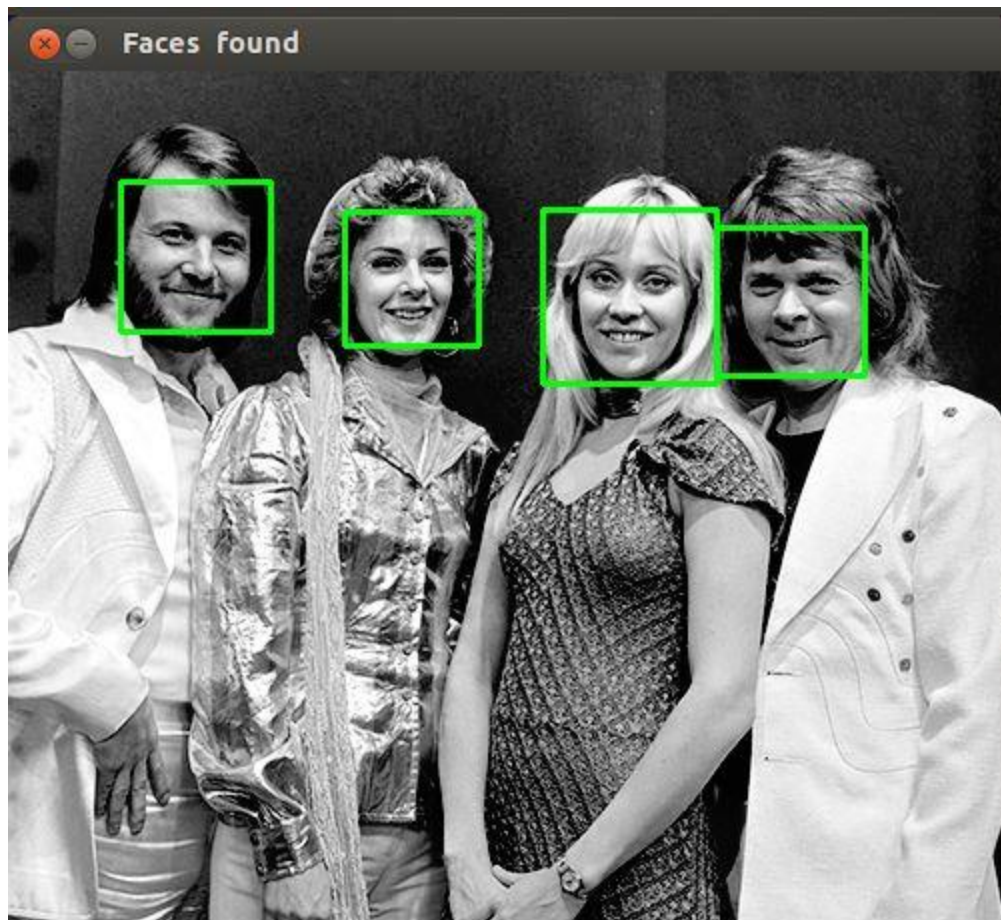
Thursday OFF

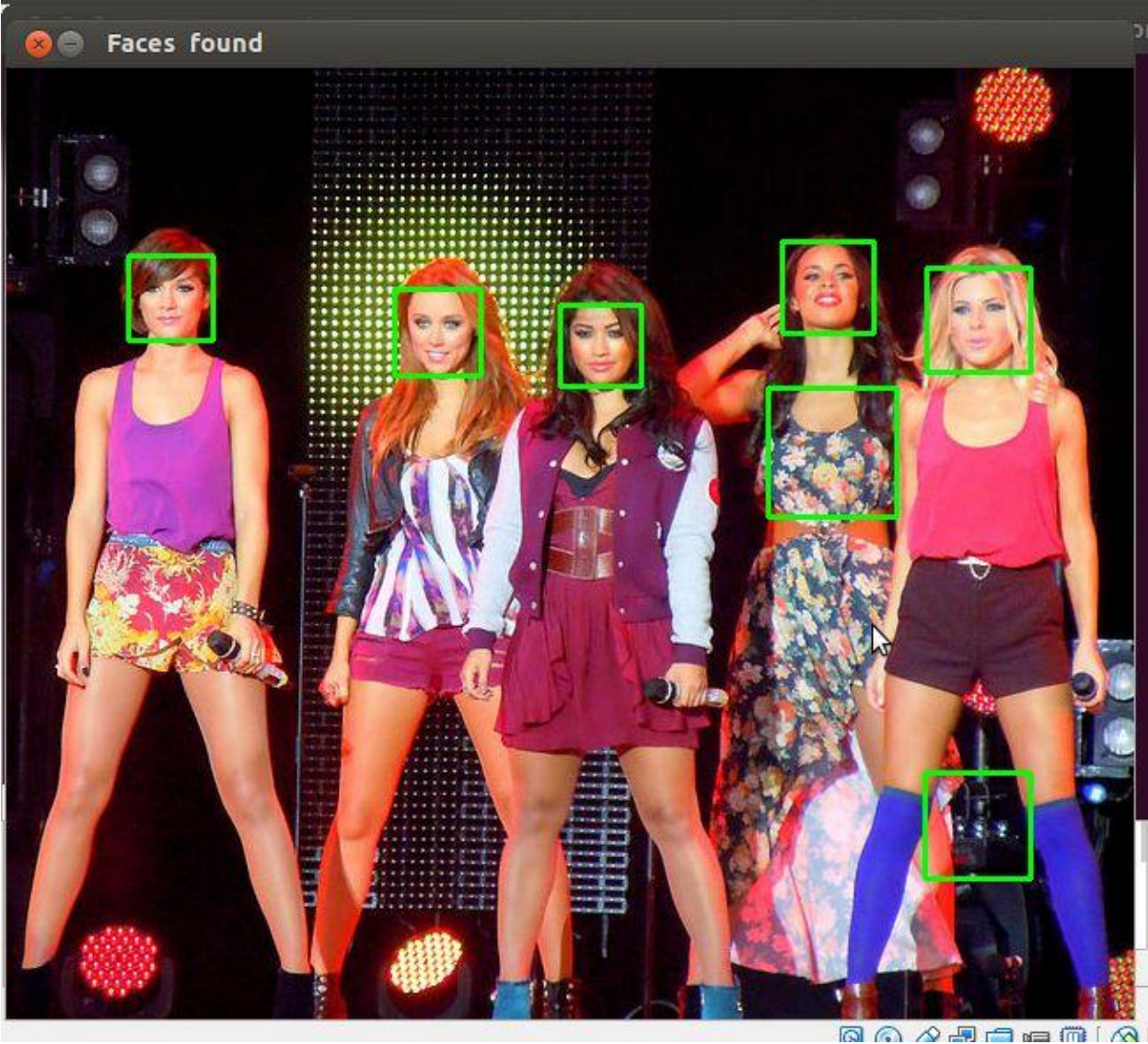
Friday OFF

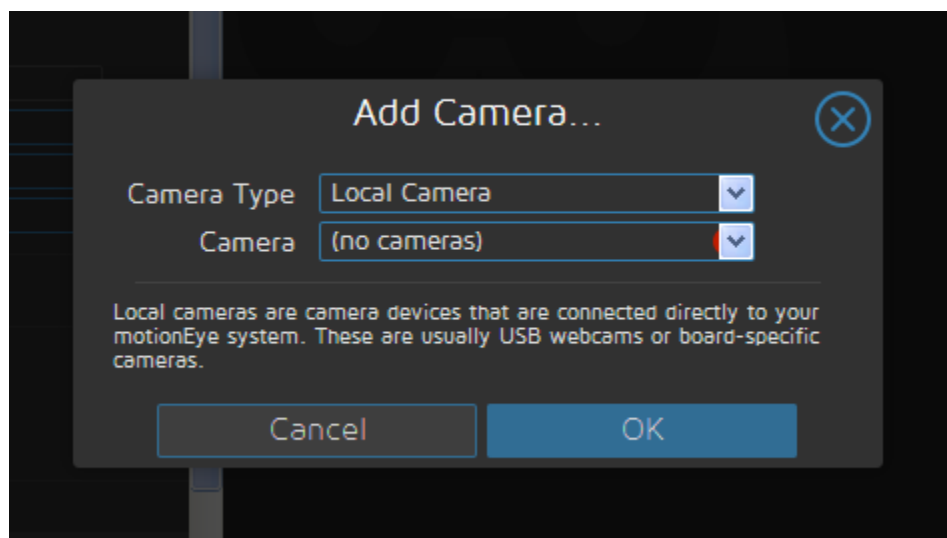
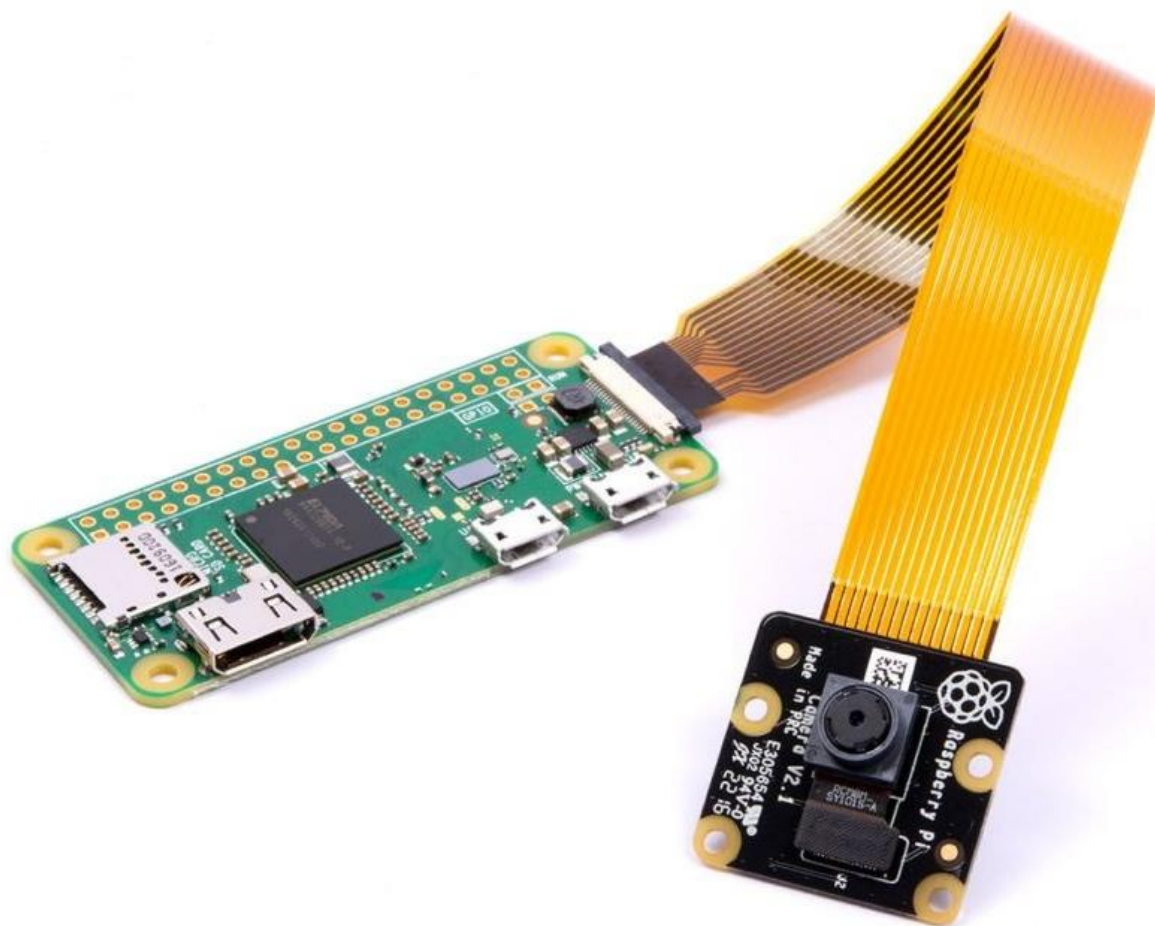
Saturday OFF

Sunday OFF

Detect Motion







Chapter 7: Portable Speakers



Now Playing 🎵 ☰ Playlists 🔍

Playlists ★

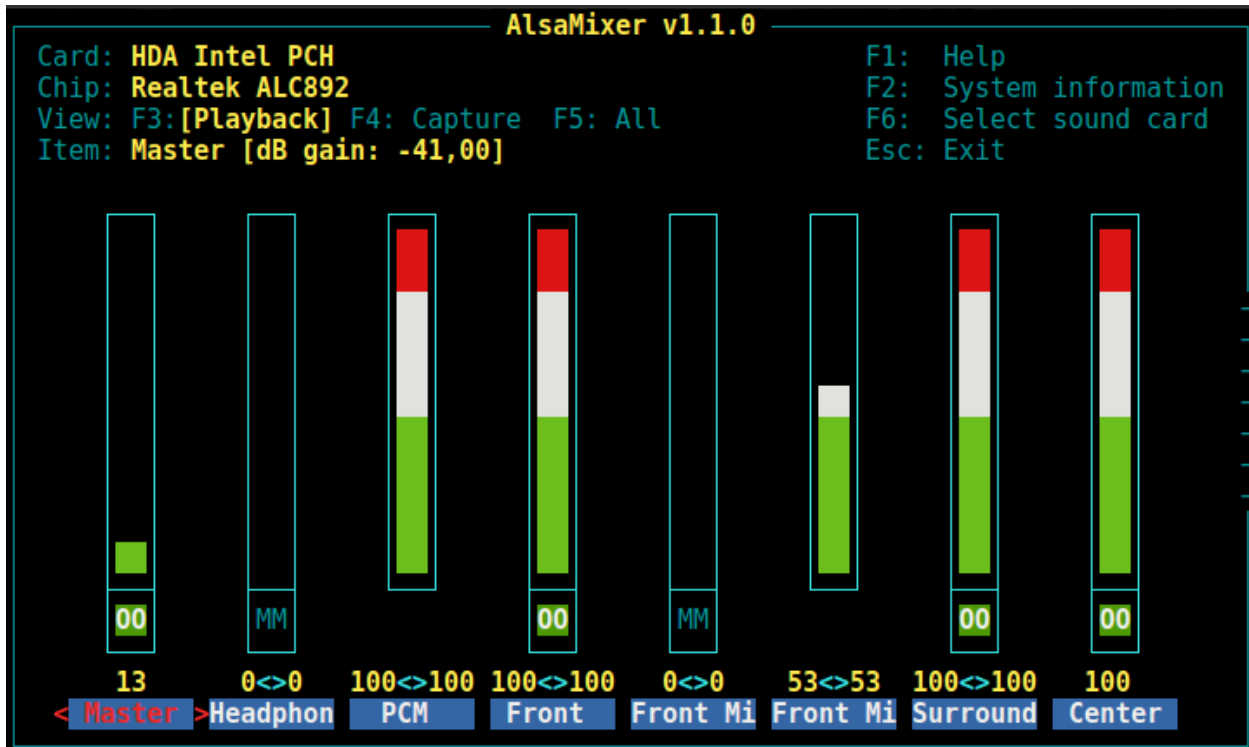
- * Spotify Starred Tracks
- 🔗 mattheus
- 🔗 muse
- 🔗 daft punk live
- 🔗 bach
- 🔗 In Rainbows
- 🔗 gorillaz
- 🔗 Elbow Seldom Seen Kid Live
- 🔗 Editors
- 🔗 ont
- 🔗 Coldplay
- 🏠 Underground 80s
- 🏠 Sonic Universe
- 🏠 Dub Step Beyond
- 🎧 Jack White - Lazaretto
- 🎧 Chef's special - Passing Through
- 🎧 Michael Jackson - XSCAPE
- 🎧 Coldplay
- 🎧 Bach, JS : Brandenburg Concertos
- 🎧 Happy Camper - Happy Camper
- 🎧 Editors - Tracks We Listen To On The Road by editorslabel
- 🎧 Blaudzun

Alive: 2007 (Live)

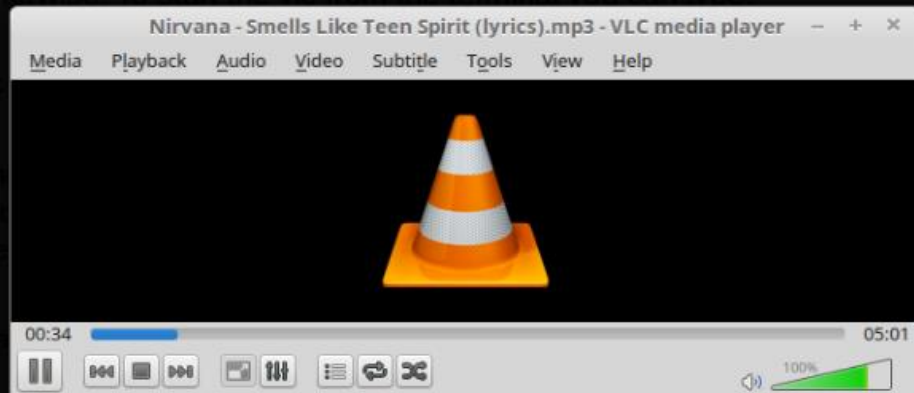
- Daft Punk
- Robot Rock / Oh Yeah
- Touch It / Technologic
- Television Rules The Nation / Crescendolls
- Too Long / Steam Machine
- Around The World / Harder Better Faster Stronger
- Burnin' / Too Long
- One More Time / Aerodynamic
- Aerodynamic Beats / Gabrielle, Forget About The World
- Prime Time Of Your Life / Brainwasher / Rollin' and Scratchin' / Alive
- Da Funk / Dadftendirekt
- Human After All/Together/One More Time/Music Sounds Better With You

Don't Panic
Coldplay

```
mark@zeus ~ $ aptitude search alsa
v   alsa -
v   alsa:i386 -
i   alsa-base - ALSA driver configuration files
v   alsa-base:i386 -
p   alsa-firmware-loaders - ALSA software loaders for specific hardwar
p   alsa-firmware-loaders:i386 - ALSA software loaders for specific hardwar
p   alsa-oss - ALSA wrapper for OSS applications
p   alsa-oss:i386 - ALSA wrapper for OSS applications
p   alsa-source - ALSA driver sources
p   alsa-tools - Console based ALSA utilities for specific
p   alsa-tools:i386 - Console based ALSA utilities for specific
p   alsa-tools-gui - GUI based ALSA utilities for specific hard
p   alsa-tools-gui:i386 - GUI based ALSA utilities for specific hard
i   alsa-utils - Utilities for configuring and using ALSA
p   alsa-utils:i386 - Utilities for configuring and using ALSA
p   alsamixer - graphical soundcard mixer for ALSA soundca
p   alsamixer:i386 - graphical soundcard mixer for ALSA soundca
v   alsaplayer -
v   alsaplayer:i386 -
p   alsaplayer-alsa - alsaplayer output module for ALSA
p   alsaplayer-alsa:i386 - alsaplayer output module for ALSA
p   alsaplayer-common - audio player (common files)
```



```
mark@mark-Aspire-6930G ~/Downloads $ vlc Nirvana\ -\ Smells\ Like\ Teen\ Spirit\
\ (lyrics\).mp3
VLC media player 2.1.6 Rincewind (revision 2.1.6-0-gea01d28)
[0x1b83058] main libvlc: Running vlc with the default interface. Use 'cvlc' to u
se vlc without interface.
```



```
mark@mark-Aspire-6930G ~/Downloads $ cvlc Nirvana\ -\ Smells\ Like\ Teen\ Spirit\
\ (lyrics\).mp3
VLC media player 2.1.6 Rincewind (revision 2.1.6-0-gea01d28)
[0x16993c8] dummy interface: using the dummy interface module...
```

vlc <options>

where options can relevant to the song that you want to play, the video or even the play
 a look for more information in the official page: https://wiki.videolan.org/Command_line/
 the manual page of VLC by typing:

File Edit View Search Terminal Help

mark@mark-Aspire-6930G ~ \$ audacious

Audacious

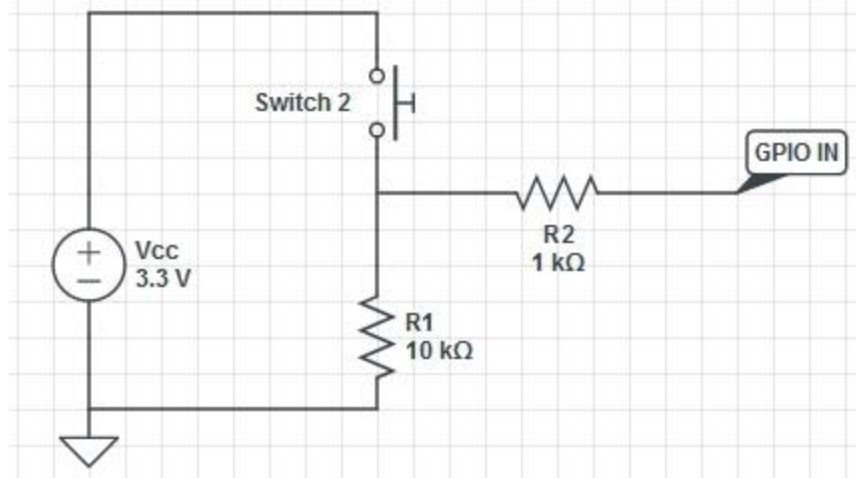
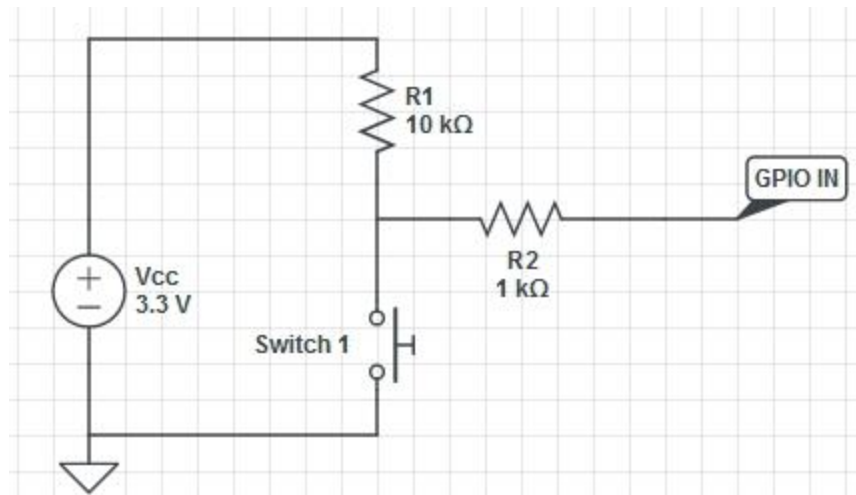
File Playback Playlist Services Output View

🔍 📁 + ▶ ■ ⏪ ⏩ 🔁 ↺ 🔊

New Playlist ✖ +

Title	Artist	Album		
-------	--------	-------	--	--

0:00/0:00







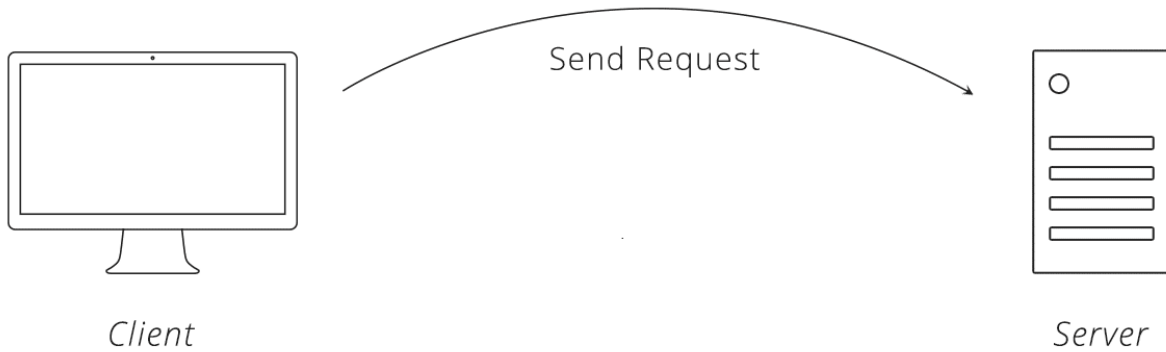
Chapter 8: WebPi Hosting

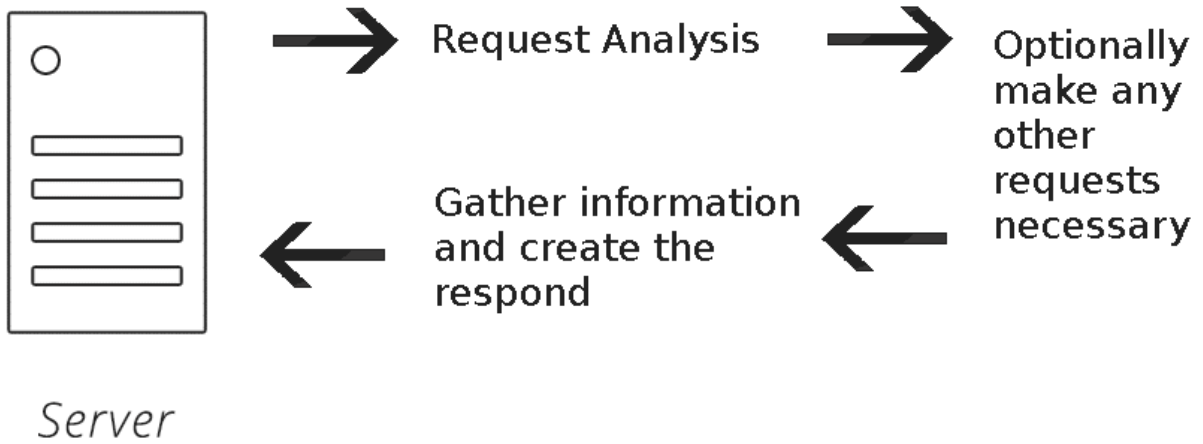
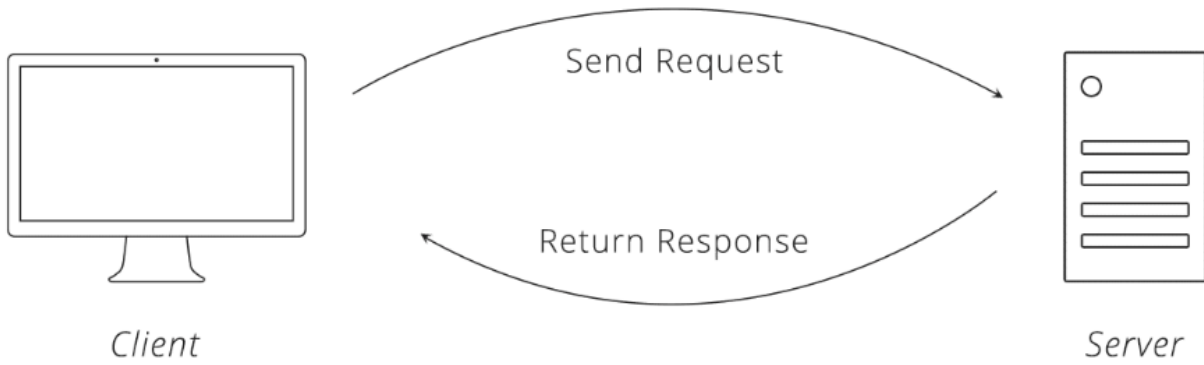
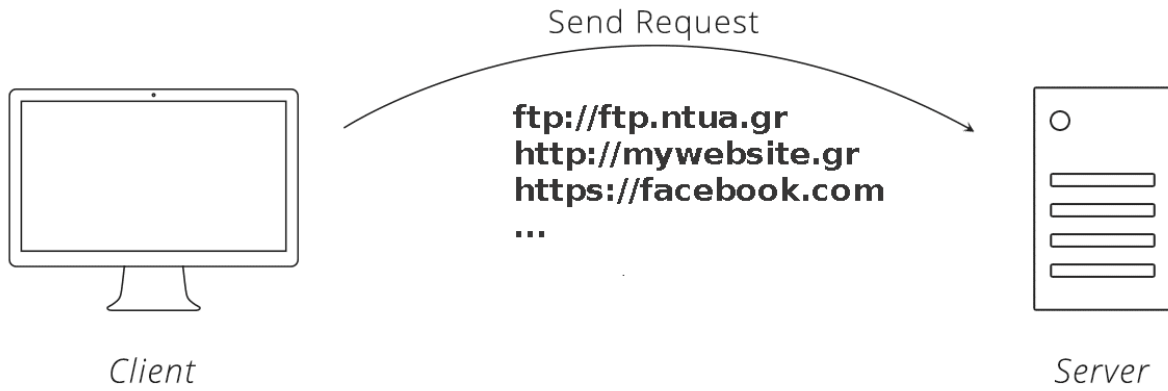


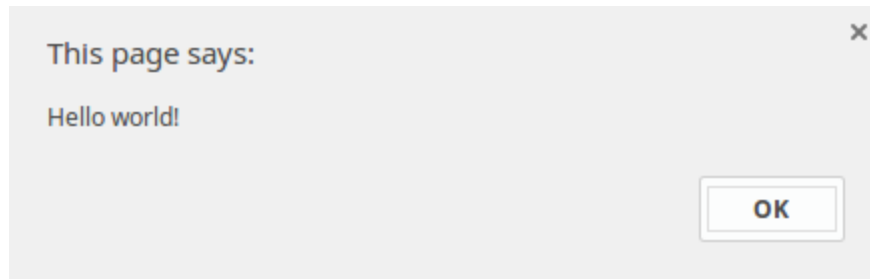
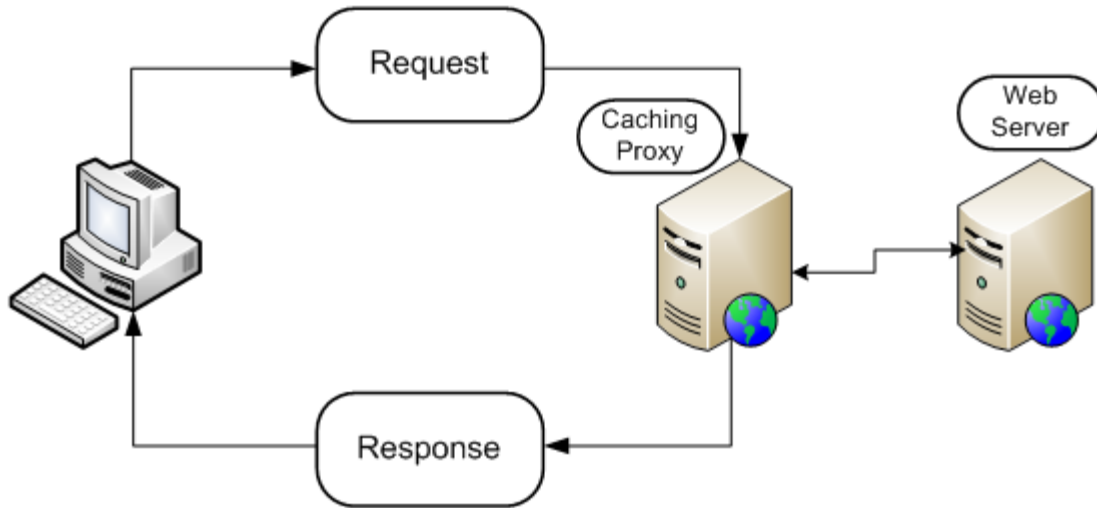
Elastic Web Hosting Speed & Security Optimized

Web Hosting services carefully optimized, with a focus on high uptime, speed, security and Extreme Support.

 <h2>Star</h2> <p>For your personal website</p>	 <h2>Planet</h2> <p>For developers, designers & SMBs</p>	 <h2>Galaxy</h2> <p>For the needs of web professionals</p>	 <h2>Big Bang</h2> <p>Ideal for demanding sites</p>
<p>Unmetered space & traffic</p> <p>Standard resources</p> <p>SSD storage</p> <p>1 dynamic site</p> <p>24/7 Extreme Support</p> <hr/> <p>Speed Optimized</p> <p>Advanced Security</p> <p>Email Protection</p> <p>Free Benefits</p>	<p>Unmetered space & traffic</p> <p>High resources</p> <p>SSD storage</p> <p>5 dynamic sites</p> <p>24/7 Extreme Support</p> <hr/> <p>Speed Optimized</p> <p>Advanced Security</p> <p>Email Protection</p> <p>Free Benefits</p>	<p>Unmetered space & traffic</p> <p>Extreme resources</p> <p>NVMe storage</p> <p>Unlimited δυναμικά sites</p> <p>24/7 Extreme Support</p> <hr/> <p>Speed Optimized</p> <p>Advanced Security</p> <p>Email Protection</p> <p>Free Παροχές</p>	<p>For demanding sites that require high availability. Hosting on semi-dedicated servers with NVMe disks for even higher speed, spam protection and VIP 24/7 support. Site backup 3 times a day and continuous uptime monitoring.</p>







XAMPP Control Panel v3.2.2 [Compiled: Nov 12th 2015]

XAMPP Control Panel v3.2.2

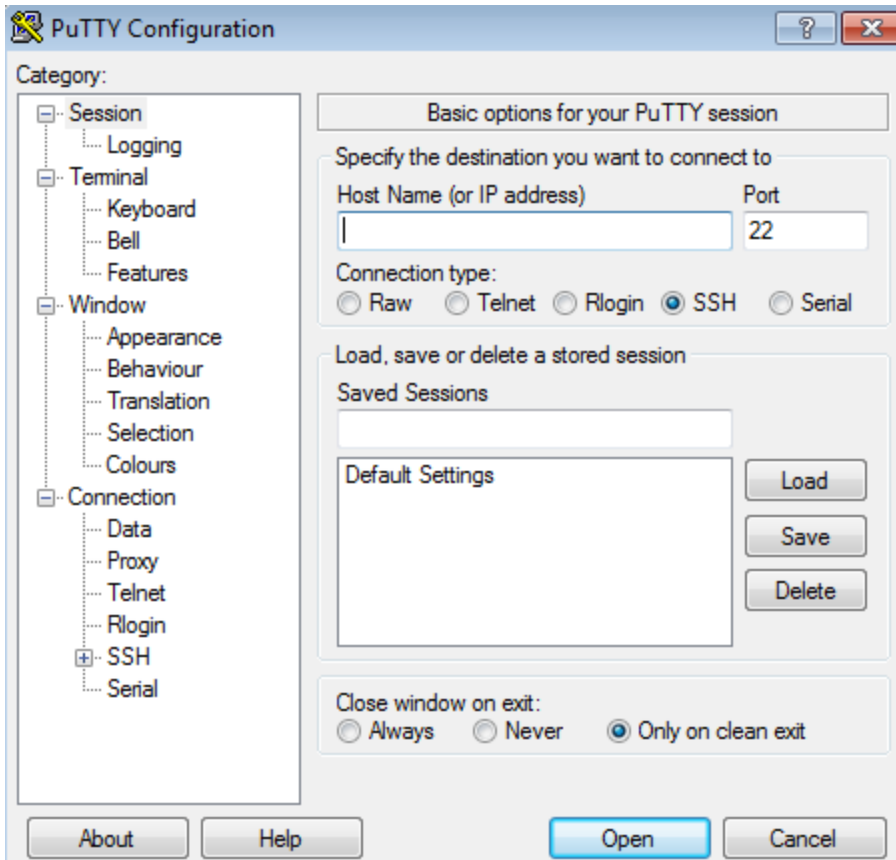
Config

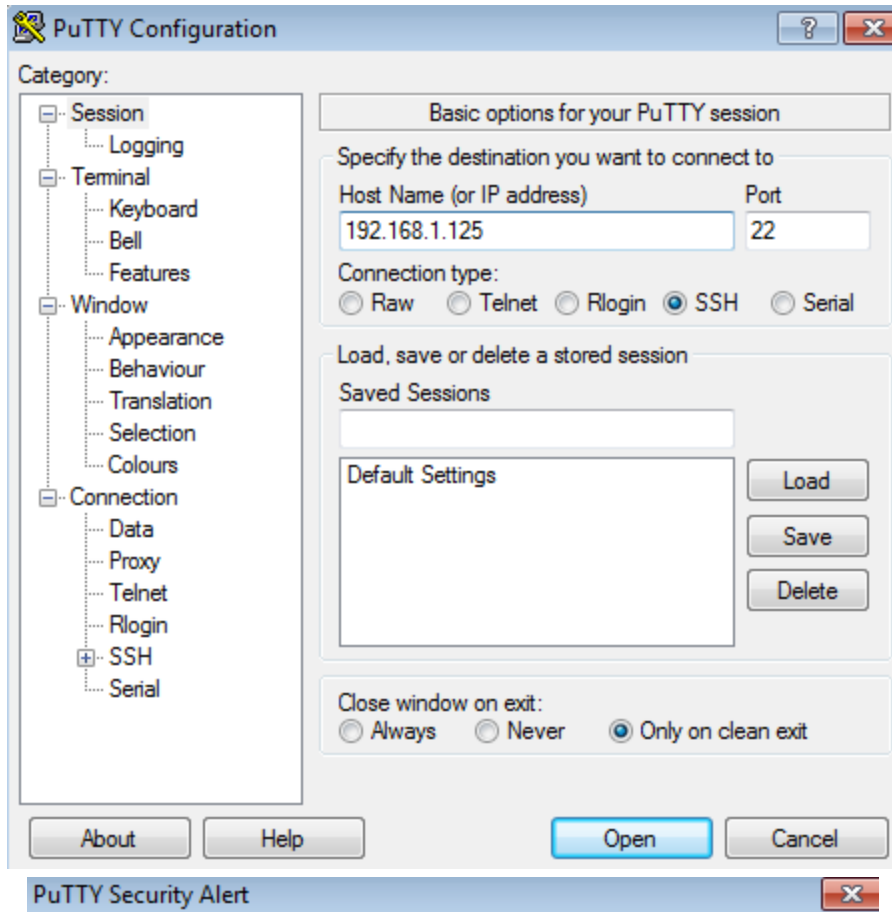
Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache			Start Admin Config Logs
<input type="checkbox"/>	MySQL			Start Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

Netstat
Shell
Explorer
Services
Help
Quit

```

3:47:46 PM [main] Initializing Control Panel
3:47:46 PM [main] Windows Version: Windows Server 2012 R2 64-bit
3:47:46 PM [main] XAMPP Version: 5.5.30
3:47:46 PM [main] Control Panel Version: 3.2.2 [ Compiled: Nov 12th 2015 ]
3:47:46 PM [main] Running with Administrator rights - good!
3:47:46 PM [main] XAMPP Installation Directory: "c:\xampp5.6\"
3:47:46 PM [main] Checking for prerequisites
3:47:46 PM [main] All prerequisites found
3:47:46 PM [main] Inizializing Modules
  
```





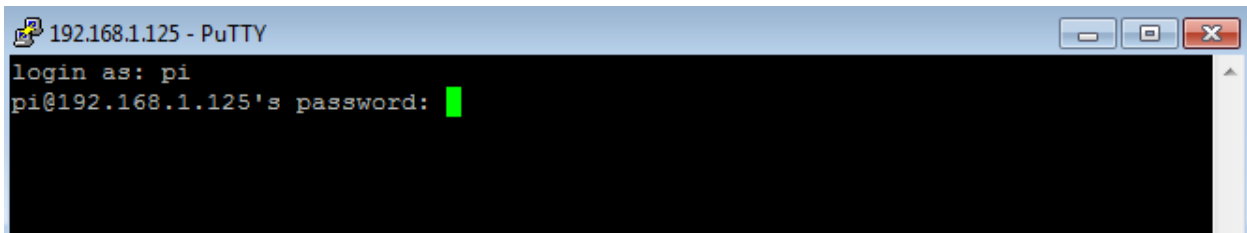
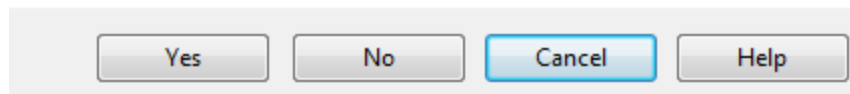
The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.

The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 256 79:13:5e:08:3a:14:0e:88:48:7a:94:a3:d7:3a:a0:5b

If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.

If you want to carry on connecting just once, without adding the key to the cache, hit No.

If you do not trust this host, hit Cancel to abandon the connection.



```
mark@zeus ~ $ ssh
usage: ssh [-1246AaCfGgKkMnNqsTtVvXxYy] [-b bind_address] [-c cipher_spec]
          [-D [bind_address:]port] [-E log_file] [-e escape_char]
          [-F configfile] [-I pkcs11] [-i identity_file] [-L address]
          [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
          [-Q query_option] [-R address] [-S ctl_path] [-W host:port]
          [-w local_tun[:remote_tun]] [user@]hostname [command]
```

```
mark@zeus ~ $ ssh pi@192.168.1.125
```

```
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
```

```
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
```

```
Last login: Tue Jun 27 16:27:48 2017 from 192.168.1.117
```

```
pi@raspberrypi:~$
```

```
mark@zeus ~ $ ssh-keygen -t rsa
```

```
Generating public/private rsa key pair.
```

```
Enter file in which to save the key (/home/mark/.ssh/id_rsa): myrsa_
```

```
mark@zeus ~ $ ssh-keygen -t rsa
```

```
Generating public/private rsa key pair.
```

```
Enter file in which to save the key (/home/mark/.ssh/id_rsa): myrsa
```

```
Enter passphrase (empty for no passphrase):
```

```
Enter same passphrase again:
```

```
Your identification has been saved in myrsa.
```

```
Your public key has been saved in myrsa.pub.
```

```
The key fingerprint is:
```

```
SHA256:HsYau9pX8G1XpvKM8GR06kw/tUK/nFwZREEpc+Uq9u4 mark@zeus
```

```
The key's randomart image is:
```

```
+---[RSA 2048]---+ saving the file to the user home (in this case, my example user is
```

```
|      .+= |
```

```
|      0.+ |
```

```
|      +.. |
```

```
|      ..+. |
```

```
|      .S+ +0+.. |
```

```
|      *..@.+0. 0 |
```

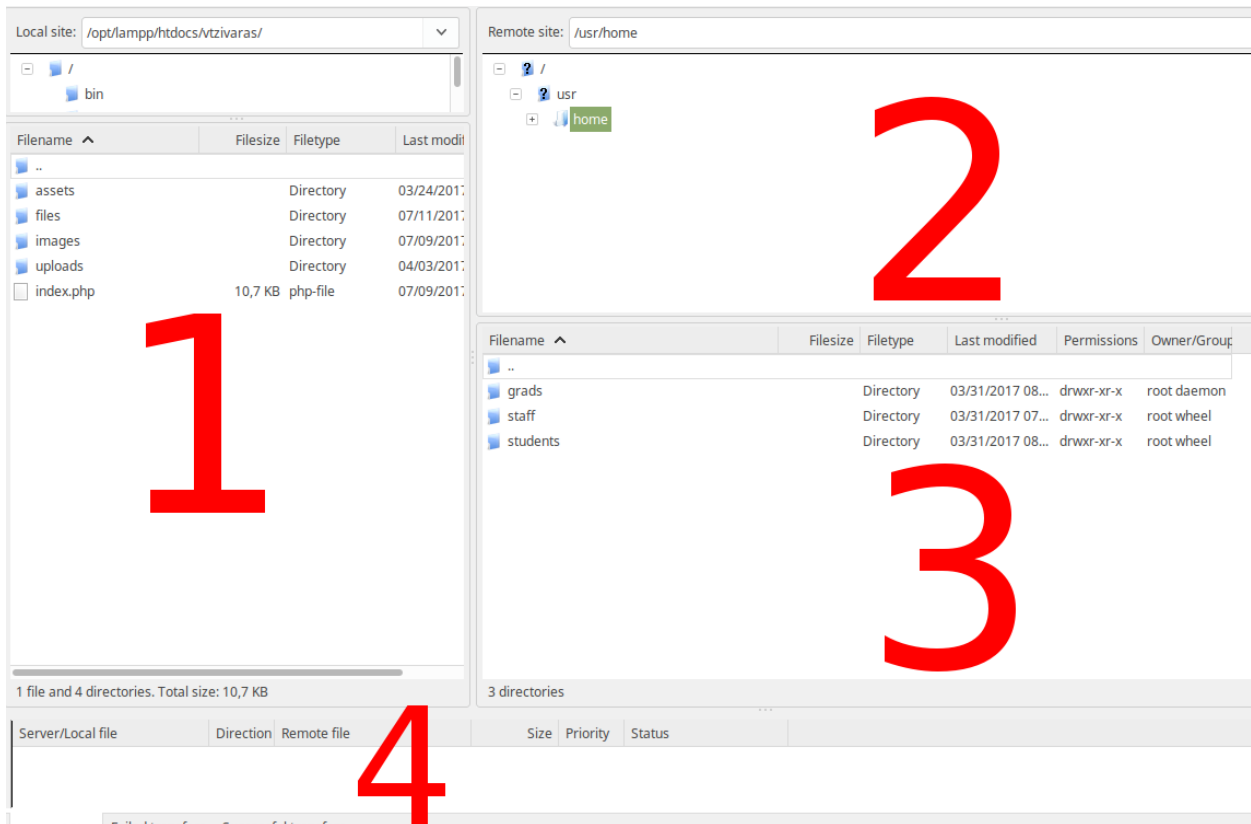
```
| up to you 0..@ 0 0.o.o. |
```

```
|      .  = *+00 |
```

```
|      ..0.  +E. |
```

```
+---[SHA256]---+
```

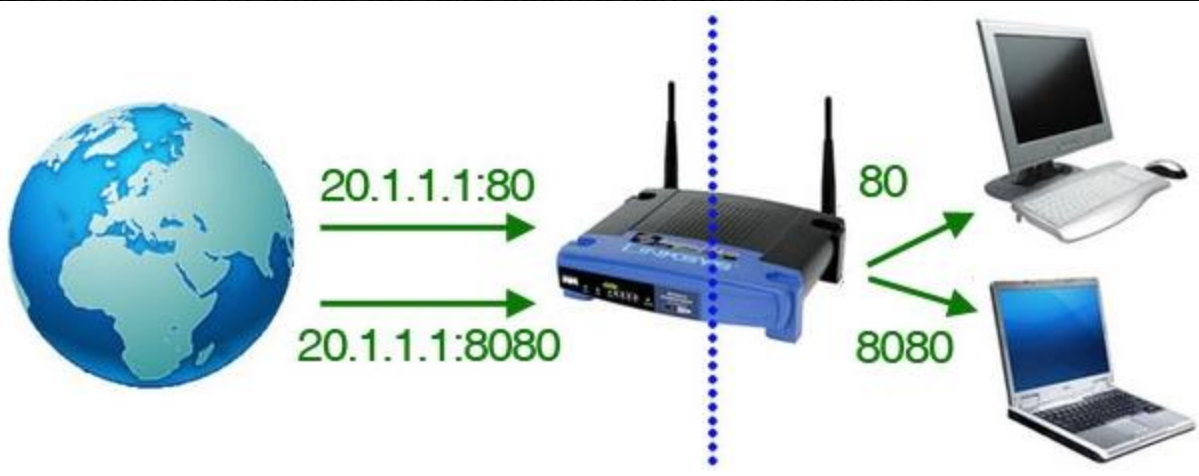
```
mark@zeus ~ $
```



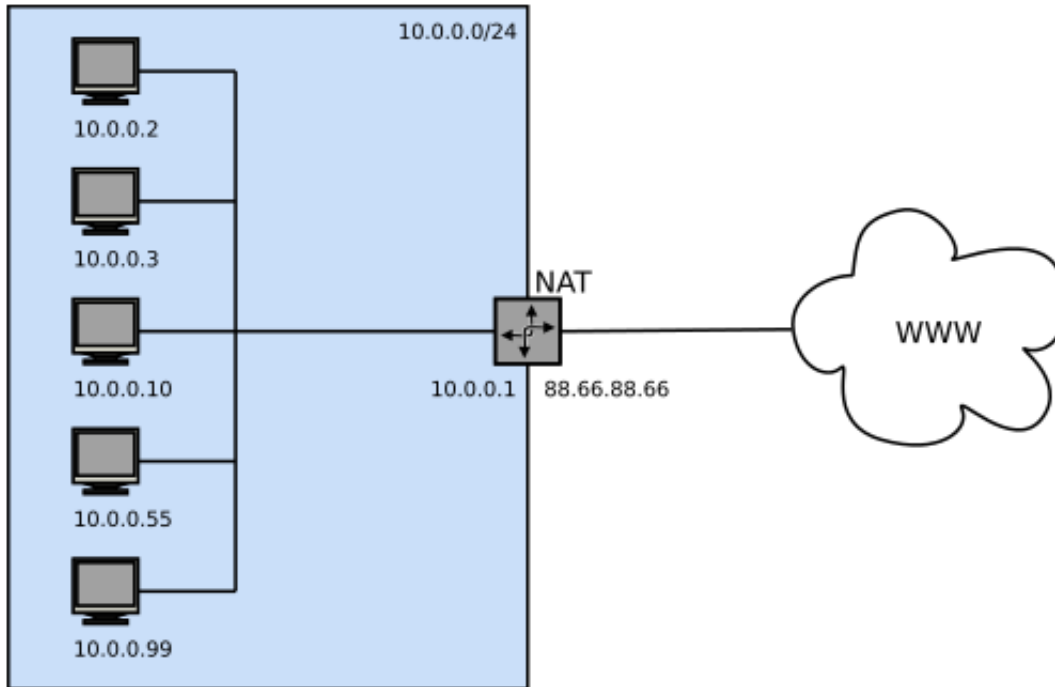
```

mark@zeus ~ $ sftp
usage: sftp [-1246aCfpqrv] [-B buffer_size] [-b batchfile] [-c cipher]
        [-D sftp_server_path] [-F ssh_config] [-i identity_file] [-l limit]
        [-o ssh_option] [-P port] [-R num_requests] [-S program]
        [-s subsystem | sftp_server] host
sftp [user@]host[:file ...]
sftp [user@]host[:dir[/]]
sftp -b batchfile [user@]host
mark@zeus ~ $

```



Traffic Coming from	External Port	Internal Port
Any Host PPP - Ethernet over ATM, 8/35	TCP 2880	➡ 6869
Any Host PPP - Ethernet over ATM, 8/35	TCP 22	➡ Same Port
Any Host PPP - Ethernet over ATM, 8/35	TCP 4545	➡ 80



Security Settings



Enable: Yes No

List Type: **Black List (Do not allow browsing the listed web sites) ▼**

List of Web Sites:

*Each line can contain one of
host name (e.g. google.com)
ipaddr (e.g. 10.10.10.10)
netaddr/mask (e.g. 10.10.10.0/24)*



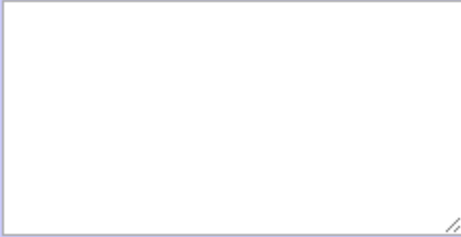
Enable: Yes No

Status: **Disabled**

WAN redirection:
If WAN is up, redirect to URL: Yes No

Allowed IP Addresses:

*Each line can contain one of
ipaddr (e.g. 10.10.10.10)
netaddr/mask (e.g. 10.10.10.0/24)*



Internet Interface: PPP - Ethernet over ATM, 8/35 (46.103.209.138)

This button activate something:

Chapter 9: AlexaPi

amazon

Sign In

What is your email (phone for mobile accounts)?

E-mail or mobile number:

Do you have an Amazon.com password?

I am a new customer. *(you'll create a password later)*

I am a returning customer, and my password is:

[Sign in using our secure server](#)

[Forgot your password?](#)

amazon // DEVELOPER CONSOLE VASILIS TZIVARAS – TZIVARAS VASILIS [SIGN OUT](#) [ENGLISH](#)

DASHBOARD APPS & SERVICES ALEXA REPORTING SUPPORT DOCUMENTATION SETTINGS

Notifications

All	Critical
No Notifications.	

Announcements

Introducing Entertainment Capabilities in Alexa Smart Home	Jul 13, 2017	Cirrus Logic Accelerates Design of Smart Speakers with the Voice Capture Dev Kit for AVS	Jul 6, 2017
Introducing Support for Optimized Display and Video Interfaces	Jun 28, 2017	Introducing Smart Home Camera Control with Alexa	Jun 22, 2017
AVS Now Offers Display Cards Support to Screen-Based Device Makers	Jun 21, 2017	Introducing the Video Skill API	Jun 8, 2017

Dashboard


[App Sales \(Units\)](#) | [In-App Item Sales \(Units\)](#) | [Mobile Ad Earnings](#)

Nothing Found

[Add a New App](#)


Get started with Alexa

Add new voice-enabled capabilities using the Alexa Skills Kit, or add voice-powered experiences to your connected devices with the Alexa Voice Service.



Alexa Skills Kit
Easily add new skills to Alexa

Get Started >



Alexa Voice Service
Bring voice capabilities to your connected device


Get Started >

Building with Alexa Voice Service

Register a Product ▾

For information on building your AVS product, see the [Getting started](#) guide. Review the [AVS Terms and Agreement](#), [Program Requirements](#) and [Content Requirements](#) prior to building your product.

Registered Products Product Metrics

Product	Display Name	ID	Amazon ID	Type	Category	Actions
	RaspberryEcho	RaspberryEcho	A6AD0XXK6ZQQB	Device	Other	<div style="background-color: #ccc; padding: 2px 5px; border: 1px solid #000;">Edit</div>

[< Back to the list](#)



Create a new Device Type

* Fields required

[Getting started](#)
[AVS Agreement](#)
[AVS Program Requirements](#)
[AVS Content Requirements](#)

- Device Type Info
✓
- Security Profile
✓
- Device Details
✓
- Device Capabilities
✓

Company Name
The name of the company you listed in your developer account profile. Tzivaras Vasilis

Device Type ID *
Choose a unique name that identifies your device. This name will not be shown to end users. It may only contain letters, numbers and underscores with no spaces.

Display Name *
Choose a device name that you want shown to your end users when they register their devices with Amazon.

Next

Device Type Info	✓
Security Profile	✓
Device Details	✓
Device Capabilities	✓

You need a security profile to identify your device. Your security profile credentials - client ID and client secret - allow your device to securely identify itself to the Alexa Voice Service. If you are building a website, click here to [Learn More](#). If you are building an Android or iOS app, click here to [Learn More](#).

Security Profile ? *
 A security profile is how Amazon identifies your device. Select Security Profile ▾

- General
- Web Settings
- Android/Kindle Settings
- iOS Settings

Security Profile Description
 Choose a description for your security profile for Amazon services to use in communicating with you.

Security Profile ID
 This ID will identify your security profile in Amazon services.

Client ID ?
 This is a value specific to you that is assigned to you when you register with Login with Amazon.

Client Secret ?
 This is a secret specific to you that is assigned to you when you register with Login with Amazon. Confidential.

- General
- Web Settings
- Android/Kindle Settings
- iOS Settings

Security Profile Description
 Choose a description for your security profile for Amazon services to use in communicating with you. **RaspberryEcho**

Security Profile ID
 This ID will identify your security profile in Amazon services. **amzn1.application.21ea7fc34ebf41bbb434e44b224b9e99**

Client ID ?
 This is a value specific to you that is assigned to you when you register with Login with Amazon. **amzn1.application-0a2-client.b04fac5efeb64cb889d3014a516f4483**

Client Secret ?
 This is a secret specific to you that is assigned to you when you register with Login with Amazon. **96d0703d944a33df52c60adc4eb9d7459bff41d947976b0d9451d32a2e0c1d82**

* Fields required

[AVS Program Requirements](#)
[AVS Content Requirements](#)

You need a security profile to identify your device. Your security profile credentials - client ID and client secret - allow your device to securely identify itself to the Alexa Voice Service. If you are building a website, click here to [Learn More](#). If you are building an Android or iOS app, click here to [Learn More](#).

Security Profile ? *
 A security profile is how Amazon identifies your device. Create a new profile ▾

- General
- Web Settings
- Android/Kindle Settings
- iOS Settings

Security Profile Name *
 Choose a name for your security profile.

Security Profile Description *
 Choose a description for your security profile for Amazon services to use in communicating with you.

Next

General

Web Settings

Android/Kindle Settings

iOS Settings

Security Profile Description

Choose a description for your security profile for Amazon services to use in communicating with you.

alexa example 2

Security Profile ID

This ID will identify your security profile in Amazon services.

amzn1.application.752b14170ee940f58addb134086f169c

Client ID

This is a value specific to you that is assigned to you when you register with Login with Amazon.

amzn1.application-oa2-client.7f54149c501e4ac48bb98b5484d8d028

Client Secret

This is a secret specific to you that is assigned to you when you register with Login with Amazon. Confidential.

b131fa6e5e8b4cc7919bce63d01e078512b3e38f0776bc19a46f00fe6b3f5a7c

[< Back to the list](#)



Create a new Device Type

* Fields required

[Getting started](#)
[AVS Agreement](#)
[AVS Program Requirements](#)
[AVS Content Requirements](#)

Device Type Info	
Security Profile	
Device Details	
Device Capabilities	

Image

Upload an image sized 142(width)x130(height) pixels in either PNG or JPG format. This image is displayed on your customer's [Manage Your Content and Devices](#) page.



Choose an image...

Category *

Choose the category that best describes where and how your device is used.

Choose option ▾

Description *

Please provide a brief description of your device and its functionality.

Do you have plans to make your product available to the general public? *

Yes No

Is your device a children's product or is it otherwise directed to children under the age of 13? *

Yes No

Not sure? [Learn more](#)

[< Back to the list](#)



Create a new Device Type

* Fields required

[Getting started](#)
[AVS Agreement](#)
[AVS Program Requirements](#)
[AVS Content Requirements](#)

Device Type Info	
Security Profile	
Device Details	
Device Capabilities	

Select all capabilities that your product supports. AVS will provide access to specialized APIs for each supported capability.

Display Cards

Display Cards for Alexa allow products to render "Now Playing" information for music, as well as static display cards for general knowledge questions, weather, to-do and shopping lists, calendar updates, and Alexa skills. Your product should have a screen to enable this capability.





By submitting this form, you agree to [Alexa Voice Service Agreement](#).

Submit

Building with Alexa Voice Service

Register a Product

For information on building your AVS product, see the [Getting started](#) guide. Review the [AVS Terms and Agreement](#), [Program Requirements](#) and [Content Requirements](#) prior to building your product.

Product	Display Name	ID	Amazon ID	Type	Category	Actions
	RaspberryEcho	RaspberryEcho	A6ADOXXK6ZQQB	Device	Other	<input type="button" value="Edit"/>
	My Test Dev	mytest	A1B5L4XOFCLRFA	Device	Other	<input type="button" value="Edit"/>

< amazon // DEVELOPER CONSOLE VASILIS TZIVARAS – TZIVARAS VASILIS SIGN OUT ENGLISH

DASHBOARD APPS & SERVICES ALEXA REPORTING SUPPORT DOCUMENTATION SETTINGS

My Apps App Testing Service Promotions Security Profiles **Login with Amazon** Dash Replenishment Service Alexa ^{New} GameCircle PC / Mac & Web Instant Access

Tester Management Advertise Your App Mobile Ads

Login with Amazon


Login with Amazon allows users to login to registered third party websites or apps ("clients") using their Amazon user name and password. Clients may ask the user to share some personal information from their Amazon profile, including name, email address, and zip code. To get started, select an existing Security Profile or create a new Security Profile. [Learn More](#)



OR

s to login to registered third party websites or apps ("clients") using their Amazon user name and password. Clients may ask the user to share some personal information from their Amazon profile, including name, email address, and zip code. To get started, select an existing Security Profile or create a new Security Profile. [Learn More](#)

Enter Consent Screen Information

Login with Amazon requires additional information that will be shown to users whenever you request access to their personal data.

Consent Privacy Notice URL * 

Consent Logo Image  

Login with Amazon

Login with Amazon allows users to login to registered third party websites or apps ("clients") using their Amazon user name and password. Clients may ask the user to share some personal information from their Amazon profile, including name, email address, and zip code. To get started, select an existing Security Profile or create a new Security Profile. [Learn More](#)

Create a New Security Profile

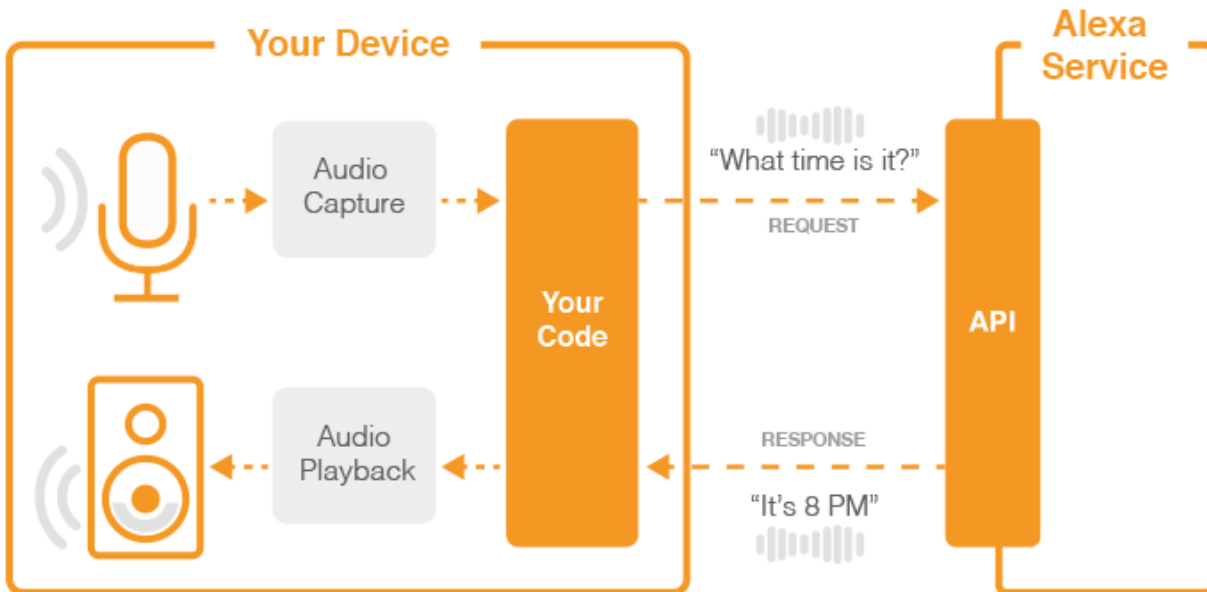
OR

Select a Security Profile ▾

✔ Login with Amazon successfully enabled for Security Profile. Click ⚙️ to manage Security Profile.

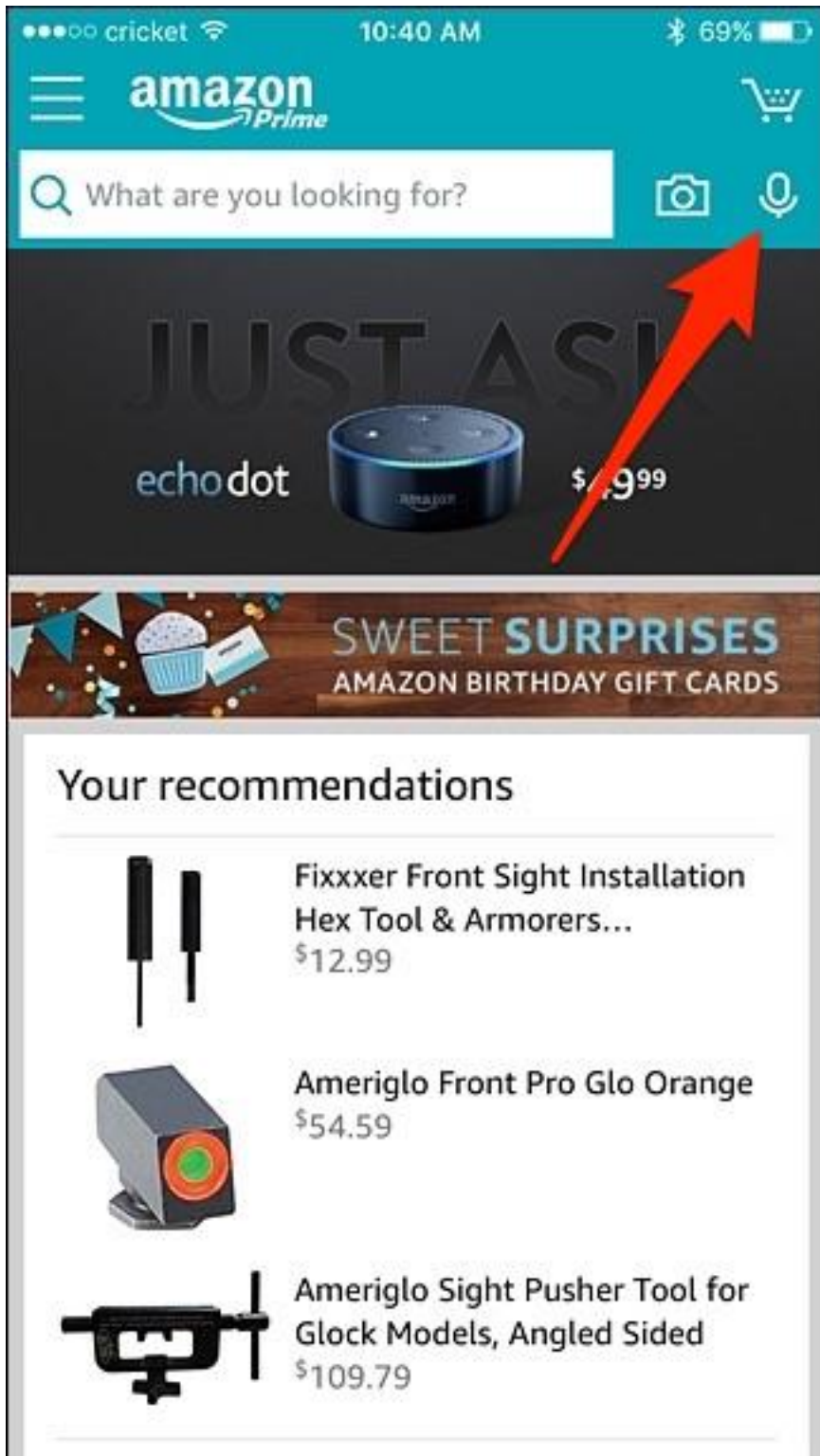
Login with Amazon Configurations

Security Profile Name	OAuth2 Credentials	Manage
alexa example	Client ID: amzn1.application-aa2-client.7f54149c501e4ac48bb98b5484d8d028 Client Secret: b131fa6e5e8b4cc7919bce63d01e078512b3e38f0776bc19a46f00e6b3f5a7c	⚙️ ▾

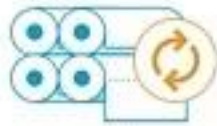








Say hi to Alexa! With Alexa, you can...



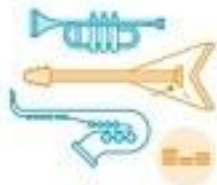
Reorder

"Reorder paper towels"



Search

"Search for cameras under \$100"



Play music

"Play the Beatles"

Amazon processes and retains audio interactions, and other data in the cloud to provide and improve our services. [Learn More](#). By tapping "Allow microphone access" you agree to the terms found here.



Allow microphone access

NOT NOW

Say hi to Alexa! With Alexa, you can...



Reorder

"Reorder paper towels"

"Amazon" Would Like to Access the Microphone

Amazon requires access to the microphone so you can use your voice to search for products, track your orders, reorder items, and more.

Don't Allow

OK

Amazon processes and retains audio, interactions, and other data in the cloud to provide and improve our services. [Learn More](#). By tapping "Allow microphone access" you agree to the terms found [here](#).

Allow microphone access

NOT NOW

JUST ASK


echo dot \$49⁹⁹





SWEET SURPRISES
AMAZON BIRTHDAY GIFT CARDS



Your recommendations

- 

Fixxxer Front Sight Installation Hex Tool & Armorer's...
\$12.99
- 

Ameriglo Front Pro Glo Orange
\$54.59
- 

Ameriglo Sight Pusher Tool for
\$109.79

Try: "Where's my stuff?"



Data Views

Ways to explore and interact with data



Tiles



Waves



Lines



Source

Recent Activity

Logged in since 7/18/17 2:24 PM

[Example Import](#)
7/18/17 2:24 PM

Links

[Explore New Features](#)

[Change My Plan](#)

[Manage My Account](#)

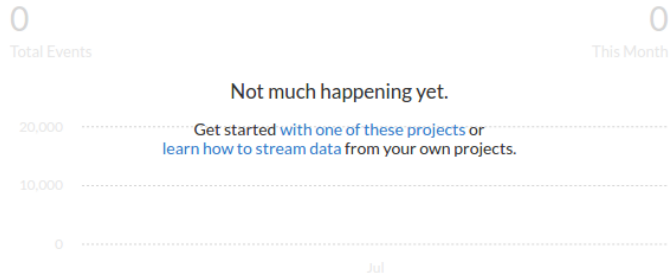
[View The Events API Docs](#)

[Take a Quick Tour](#)

Stats

Data totals over time

Streamed Events



Totals

1	0	1	0	0
Workspaces	Streams	File	Shared by me	Shared with me

Streaming Access Keys

No Keys Available

[+ Create A New Key](#)

Streaming Connections

