



The Adafruit Raspberry Pi Finder

Created by Todd Treece

Found!

IP Address:	Port:	Hostname:
10.0.1.6	22	testpi
SSH User:	WiFi SSID:	
pi	Uniontown Labs	
SSH Password	WiFi Password	
raspberrypi	correct horse battery staple	
<input type="button" value="Terminal"/>	<input type="button" value="Upload"/>	<input type="checkbox"/> Install the WebIDE?
<input type="button" value="Shutdown"/>		<input type="button" value="Bootstrap!"/>

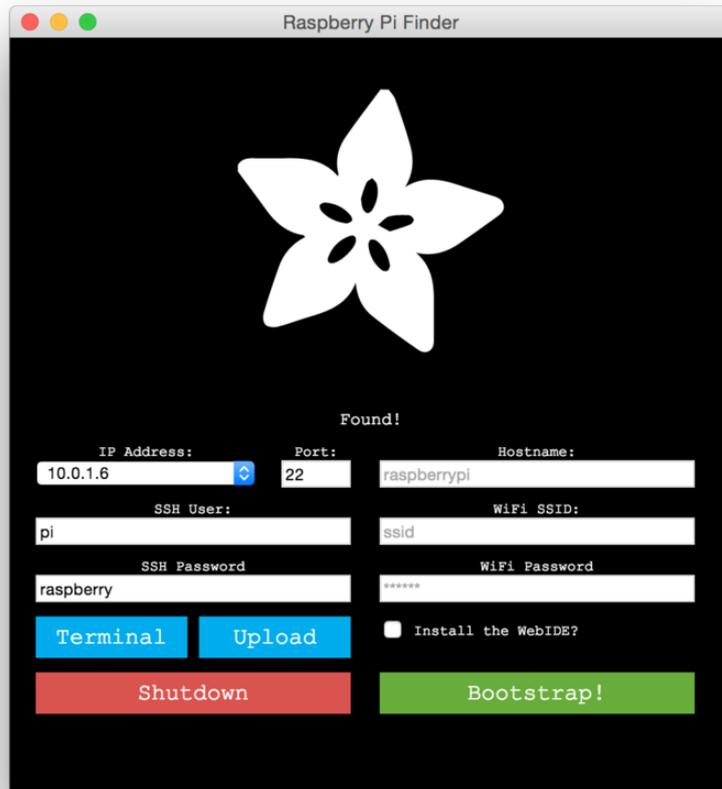
<https://learn.adafruit.com/the-adafruit-raspberry-pi-finder>

Last updated on 2024-06-03 01:42:19 PM EDT

Table of Contents

Overview	3
Setting up the Pi	4
Connecting to the Pi	4
Bootstrapping the Pi	8
• Configuring Hostname & WiFi	
• Starting the Bootstrap	

Overview



If you have ever tried to connect to your headless Raspberry Pi over a network via SSH, you know that it can be hard to find the IP address. We created a cross-platform tool that allows you to easily find and connect to a Raspberry Pi that is attached to your network via Ethernet or WiFi.

The Adafruit Pi Finder also allows you to launch a [bootstrap \(https://adafru.it/f0b\)](https://adafru.it/f0b) process on your Pi that will install services such as Bonjour/Zeroconf, samba, and also help you setup WiFi modules and the Raspberry Pi's hostname.

Note: This project shares a coincidental name with the Pi Finder by Ivan X, a great Mac OS X utility that also helps locate a headless Raspberry Pi on your local network. Please visit [Ivan's site \(https://adafru.it/caW\)](https://adafru.it/caW) for the other Pi Finder and other fine Raspberry Pi tutorials and projects!

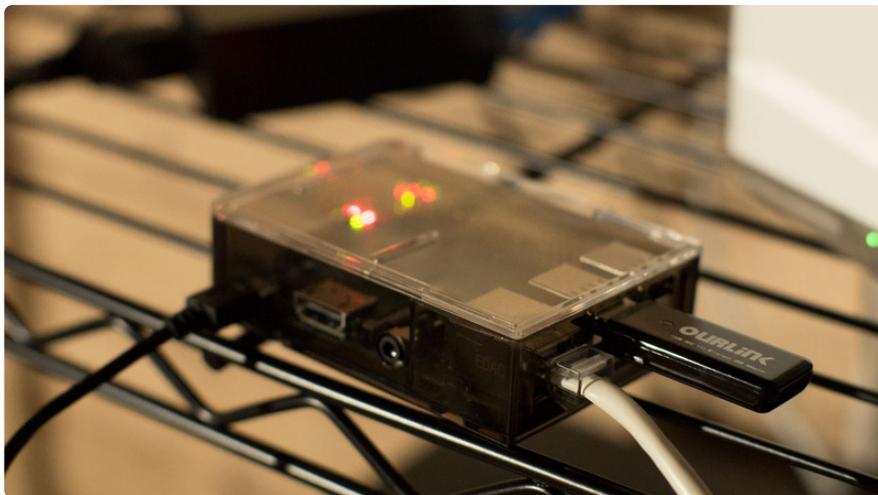
Setting up the Pi

The first step before beginning with this project is to make sure that you have installed the latest version of Raspbian on your Raspberry Pi's SD card. If you need help copying Raspbian to your SD card, visit [our great SD card setup guide \(https://adafru.it/dDL\)](https://adafru.it/dDL).

Raspbian Download

<https://adafru.it/dpb>

Next, you will need to connect your Raspberry Pi to power and to your network via ethernet. At this time you can also connect any WiFi USB dongles you may have as well. The Pi Finder can help you set up WiFi during the bootstrap process.



Next we will look at the Adafruit Pi Finder utility and attempt to connect to the Pi.

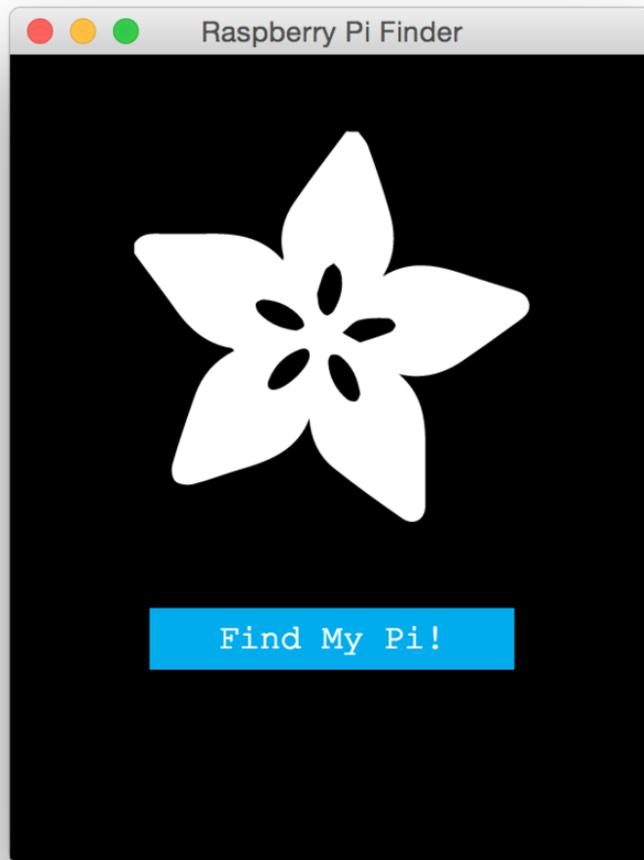
Connecting to the Pi

Next, you will need to download the latest release of the Adafruit Pi Finder utility. It is a cross platform utility, and downloads are available for Windows, OS X, and Linux. Click the link below to download the latest release for your operating system, and extract the archive once it has finished downloading.

Adafruit Pi Finder

<https://adafru.it/euj>

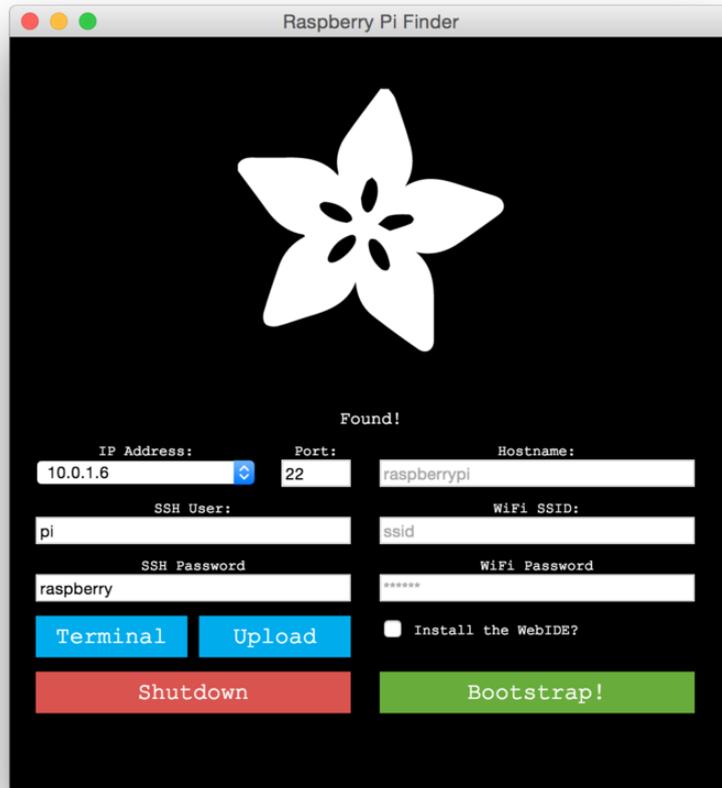
Open the extracted folder, and launch the executable for your operating system. The Pi Finder will launch with a window like the one shown below.



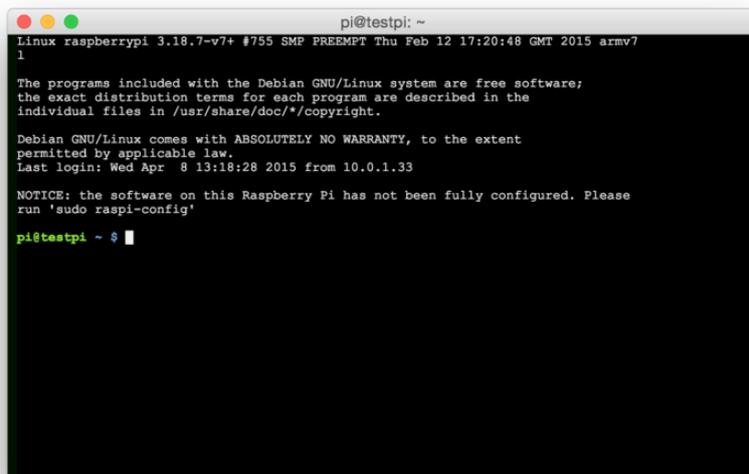
Click the Find My Pi! button to start the search process.



The Pi Finder will begin searching for your Pi. Once it has located your Pi, it will display a menu like the one shown below.



The default settings will work for a fresh Raspbian install. If your Pi has been previously configured, you can change the SSH user and password. Click the Terminal button to connect to your Pi.



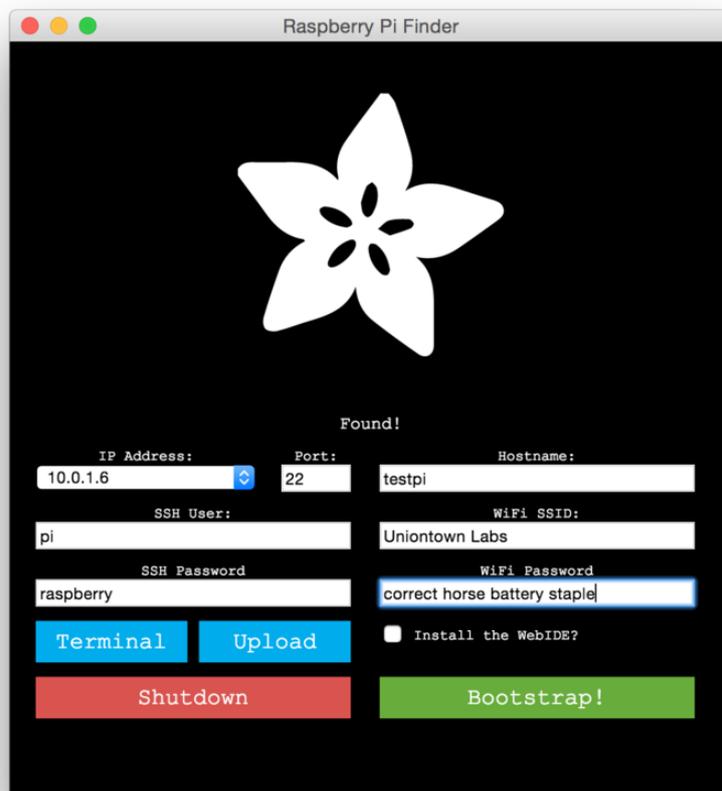
An SSH connection will be started, and you will be able to use it like any other SSH client. Next we will look at bootstrapping your Raspberry Pi with a few helpful tools.

Bootstrapping the Pi

If you would like to bootstrap your Raspberry Pi, and configure things like WiFi and the hostname, you can use our Pi Finder to do that as well.

Configuring Hostname & WiFi

If you would like to setup WiFi and the hostname for your Pi, you can use the text inputs on the right side of the utility to set them. Make sure you have your WiFi USB dongle installed before starting the bootstrap process. We have only tested this utility with the WiFi modules available in the Adafruit shop.



Starting the Bootstrap

Once you have finished configuring the hostname and WiFi settings, you can start the bootstrap process by clicking the Bootstrap! button. A window like the one below will be shown once the bootstrap process has started. You can view a list of the software the bootstrap process installs [by visiting the GitHub repo \(https://adafru.it/enj\)](https://adafru.it/enj) for the project.

