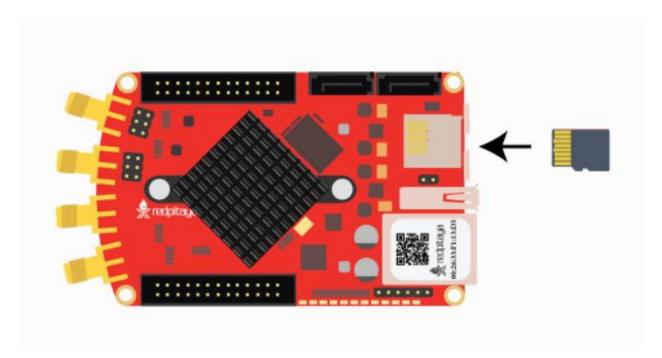
Configuring a "Headless" Red Pitaya

This document describes how to configure a Red Pitaya out of the box in a "headless" fashion, meaning that it requires no monitor, keyboard, or mouse.

1. To begin you need to make sure that the sd card that came with the board is plugged into the proper slot.



- You will need to connect the Red Pitaya to a general-purpose machine (desktop or laptop) via an Ethernet cable and supply power to the board with the given micro usb cable.
- 3. The Ethernet network interface on your general-purpose machine should be set to enable DHCP (automatically obtain an IP address). This should be the case unless you have assigned a static IP address to this interface in the past.
- 4. Now, you will need an SSH client on your general-purpose machine. If you are using a Mac or Linux machine, there is a built-in SSH client using the terminal application. If on a PC, you can download Putty or potentially use Powershell.

5. To connect to the Red Pitaya, find the sticker on your board:



Type into the terminal: "ssh root@rp-xxxxxx.local" where the x's represent the six unique characters listed on your sticker. Ex: For this board, you would type "ssh root@rp-f0af05.local". The password is "root".

You have now successfully connected to the Red Pitaya!

6. You can also explore all the things Red Pitaya can do by opening "rp-xxxxxx.local" on your web browser. For example, for the above picture, you would go to "http://rp-f0af05.local". You should then see all the tools that are available out of the box with Red Pitaya. Some of these will be used in later ECE courses.

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