

# Setting up a Static IP address on a macOS

[Main Page](#) > [General Information](#) > [Configuration Examples](#) > [PC](#) > [MacOS](#) > **Setting up a Static IP address on a macOS**



## Contents

- [1 Introduction](#)
- [2 Set up](#)
  - [2.1 Step 1:](#)
  - [2.2 Step 2:](#)
  - [2.3 Step 3:](#)
  - [2.4 Step 4:](#)
  - [2.5 Step 5 \(optional\): DNS set up](#)
  - [2.6 Step 6 \(optional\): DNS set up](#)
  - [2.7 Step 7 \(optional\): DNS set up](#)
  - [2.8 Step 8 \(optional\): DNS set up](#)
  - [2.9 additional notes](#)

## Introduction

This article provides a short guide on how to configure a Static IP address on a macbook that uses a **macOS** Operating System (OS). A Static IP configuration on a PC may be required when:

- Upgrading the router's Bootloader version ([Bootloader upgrade guide](#))
- Upgrading the router's Firmware via the Bootloader menu ([Firmware upgrade via the Bootloader menu guide](#))
- You lose access to your router's LAN] network (for example, when configuring Mobile Passthrough mode, Mobile Bridge mode, when you accidentally disable the router's DHCP server, etc.)
- You're trying to connect to another device that has a Static IP address (for example, an IP camera)

Or any other case that you may think of.

## Set up

The instruction below are aimed to be applied and used with the **macOS 12.0 Monterey** Operating System (OS), although the configuration is quite similar on other versions of macOS.

### Step 1:

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To set up a static IP address on your PC, you must first press "**Apple**" logo button in the top left corner and select "**System Preferences...**".



## Step 2:

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When in the **System Preferences** window, click **Network**:



## Step 3:

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Next, on the left side of Network settings window, right-click on the Network connection associated with your Ethernet adapter and on the right side of Network settings window select **Manually** in the "**Configure IPv4**:" option field:



## Step 4:

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Finally, enter a static IP for your PC (e.g., **192.168.1.1**) and Subnet mask - **255.255.255.0** then press "**Apply**" for saving the changes:



## Step 5 (optional): DNS set up

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If there is a need to set up specific DNS settings, press "**Advanced...**". By opening **Advanced** settings window you also are available to edit IPv4 and IPv6 settings; WINS; 802.1X; Proxies and Hardware settings.



## Step 6 (optional): DNS set up

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After **Advanced** settings window open up, select "**DNS**" field:



## Step 7 (optional): DNS set up

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Now you are in the **DNS** settings field. Press "+" symbol on the bottom left corner for adding the DNS server:



## Step 8 (optional): DNS set up

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Type in DNS (e.g., **1.1.1.1**) and press "**OK**" button on the bottom right corner. After DNS server is added do not forget to press "**Apply**" once again in the Network settings window for saving the changes:



## additional notes

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- **Note:** once you are done with your configurations (the reason you needed a Static IP), you should undo the changes that you made to the computer's IPv4 configuration, because otherwise, you might not have an Internet connection. To undo these changes, go back to the **Network** settings window and check **automatically** in the "**Configure IPv4:**" option field.