Basic setup guide for the HawkOS kernel and operating system

# Setup Doc.

HawkOS v1.4.0

Hawk Two Systems

# Innholdsfortegnelse

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# HawkOS Setup Documentation

## Preface

This documentation/guide assumes that you already have the most recent version of the operating system downloaded as a .iso. It provides a comprehensive guide to assist you in installing and setting up HawkOS. Please ensure that you meet the hardware and software requirements before proceeding with the installation.

## 1. Hardware and Software Requirements

Before proceeding with the installation of HawkOS, ensure that your system meets the following minimum requirements:

### Minimum Hardware Requirements:

**CPU**: 64-bit processor (Intel or AMD)

**RAM**: 1 GB

**Storage**: 500MB of free disk space for installation. (SSD or HDD) More may be required however, for creating and installing files at a later time.

**Graphics**: Integrated or dedicated graphics with OpenGL 3.2 support

**Network**: Ethernet or Wi-Fi adapter for internet connectivity

### Software Requirements:

A system capable of booting from a USB drive or optical media (if using a DVD for installation)

A compatible BIOS/UEFI configuration to support booting from the selected media (USB/DVD)

Ensure that your hardware is compatible with these requirements. If you are unsure about any component, consult your hardware's documentation or the manufacturer's website.

## 2. Preparing for Installation

### Backup Your Data

Before starting the installation, it is essential to back up any important data on your system, as the installation process will overwrite the existing operating system and data on the target drive.

### Check BIOS/UEFI Settings

You may need to adjust certain BIOS/UEFI settings to ensure compatibility with HawkOS:

**Secure Boot**: Disable Secure Boot, as it may prevent the OS from loading during installation.

**Boot Mode**: Set the boot mode to UEFI or Legacy, depending on your system's architecture.

**Boot Priority**: Make sure your system is set to boot from USB or DVD drive first, depending on the media you're using.

Once the BIOS/UEFI settings are configured, save the changes and exit to proceed with the installation.

## 3. Creating a Bootable USB Drive

To install HawkOS, you need to create a bootable USB drive. Follow these steps:

### Requirements:

A USB drive with at least 8 GB of capacity

A computer running an existing OS (Linux, Windows, or macOS)

The HawkOS .iso file

### Instructions:

### On Windows:

Download and install **Rufus** from https://rufus.ie.

Insert the USB drive into the system.

Launch Rufus and select your USB drive from the **Device** dropdown.

In the **Boot selection** section, choose the HawkOS .iso file by clicking **SELECT**.

Ensure the **Partition scheme** is set to **GPT** (for UEFI systems) or **MBR** (for legacy systems).

Click **START** to create the bootable USB drive.

## 4. Booting HawkOS from the USB Drive

Insert the bootable USB drive into the target system.

Power on the system and press the appropriate key to enter the boot menu or BIOS/UEFI setup (common keys are F2, F12, ESC, or DEL).

From the boot menu, select the USB drive as the boot device and press **Enter**.

The HawkOS installer should load. You will be greeted with the option to start the installation or try the OS live from the USB.

If you encounter any issues during this step, check the BIOS/UEFI settings and ensure the USB drive is correctly recognized.

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## 5. Installing HawkOS

### Step 1: Select Language and Keyboard Layout

The first screen of the HawkOS installer will prompt you to select your preferred language and keyboard layout. Choose the appropriate options for your system and click **Next** to continue.

### Step 2: Partitioning the Disk

The installer will prompt you to select the drive where you want to install HawkOS. You have two main options:

**Automatic Partitioning**: This option will automatically partition your hard drive to allocate space for HawkOS.

**Manual Partitioning**: This option allows you to manually configure partitions. It is recommended for advanced users who wish to customize their setup.

After selecting the partitioning option, click **Next** to continue.

### Step 3: Install HawkOS

Once the partitions are configured, the installer will begin copying the HawkOS files to your disk. This process can take several minutes, depending on your hardware. After the installation is complete, the system will prompt you to reboot.

### Step 4: Reboot and Eject Installation Media

After the installation finishes, remove the USB drive or installation media and restart the system. The system should boot into HawkOS for the first time.

## 6. Post-Installation Configuration

### Setting up User Accounts

Upon booting into HawkOS, you will be prompted to type in a username and password. By default, these are “Bridge” and “Bruker99!” respectively.

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## 7. Troubleshooting

If you encounter any issues during installation or post-installation, refer to the following common solutions:

**Installation Freezes**: If the installation freezes at any point, ensure that your hardware is compatible with HawkOS, especially your graphics card and CPU. Try booting with the nomodeset option if there are graphical issues.

**Boot Issues**: If the system does not boot into HawkOS after installation, check your BIOS/UEFI settings to ensure that the boot order is correctly set to prioritize the drive where HawkOS was installed.

For further troubleshooting, refer to the official HawkOS support forums or contact our support team.

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## 8. Contact and Support

For additional help or inquiries, please visit our official support page or contact us directly:

**Website**: HawkTwoSystems.github.io/HTS

**Email:** hawktwosystems@gmail.com