

Raspberry Pi - Download and Install the DAKOS

Modified on: Wed, 10 Sep, 2025 at 1:47 PM

UPDATE:

The DAKOS has been relocated in the Raspberry Pi Imager program. This has made the Video Walkthrough slightly outdated. It is still under the **Other Specific-Purpose OS** section, but it has been moved to the subsection called **Digital Signage and Kiosks**. Please see the section below called **Get DAKOS with the Raspberry Pi Imager** for more details:

Upgrade/Install DAKboard OS (Raspberry Pi)




TABLE OF CONTENTS

- UPDATE:
- IMPORTANT:
- Get DAKOS with the Raspberry Pi Imager:
- Manually Download the Image File and Install Using Etcher:
 - Write the File to a Micro SD Card:
- Insert the Micro SD Card into the Raspberry Pi:

 Chat to Create Support Ticket

- **Frequently Asked Questions:**
 - **What version of Raspberry Pi hardware do you use in the boxes you sell?**

The DAKboard Operating System (OS) is a modified version of Raspbian that provides a simple wifi setup, On/Off (Sleep) Schedule, resolution, timezone settings, and more for DAKboard. Continue reading to learn how to download and install the OS image.

The DAKOS only works with the following Raspberry Pi versions. The 3B(+) and 4B perform best:

- Raspberry Pi 3B
- Raspberry Pi 3B+
- Raspberry Pi 3A+
- Raspberry Pi 4B (We recommend the 2GB version or higher)
- Raspberry Pi 5 (Support for the 4GB and 8GB models came with OS version 4.01 and up, and the 2GB model on version 4.05 and up)
- Raspberry Pi Zero 2W (Used in the CPU Mini)

NOTE: The original Raspberry Pi Zero is not recommended due to the lower CPU speed and less RAM. If you're using an original Pi Zero and having trouble connecting it to WiFi, please use the article **DAKOS on a Raspberry Pi Zero** (<https://dakboard.freshdesk.com/support/solutions/articles/35000150982>). We recommend using the Pi 4B or Pi 5 for continuous video (YouTube, etc.) on DAKboard screens.

DAKOS release notes are available [here](https://github.com/dakboard/Hardware-OS/releases) (<https://github.com/dakboard/Hardware-OS/releases>).

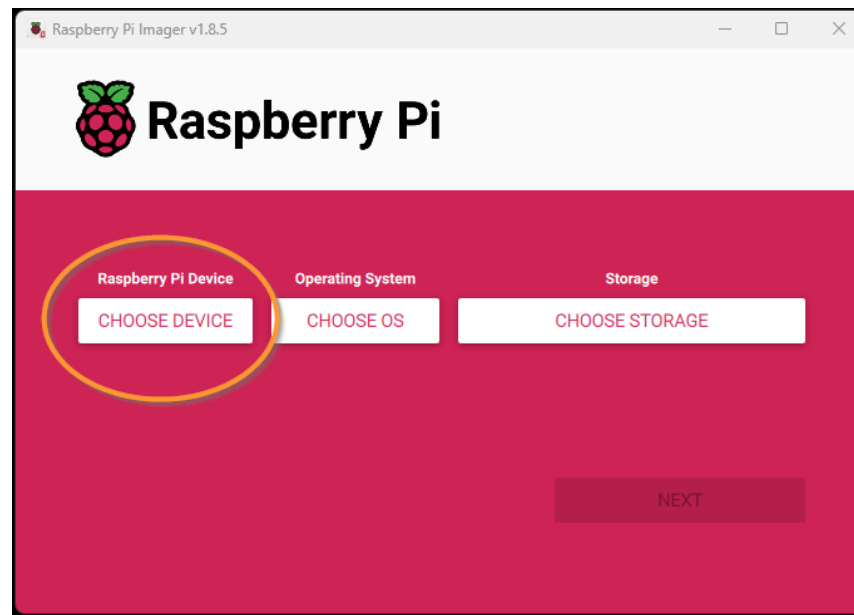
IMPORTANT:

The DAKOS cannot be added directly to your SD card while the card is connected to the Pi computer. These steps require you to load the SD card from another PC via an SD card reader. The Minimum size you need for an SD card is 8GB, though we strongly recommend using 16GB cards when imaging our OS.

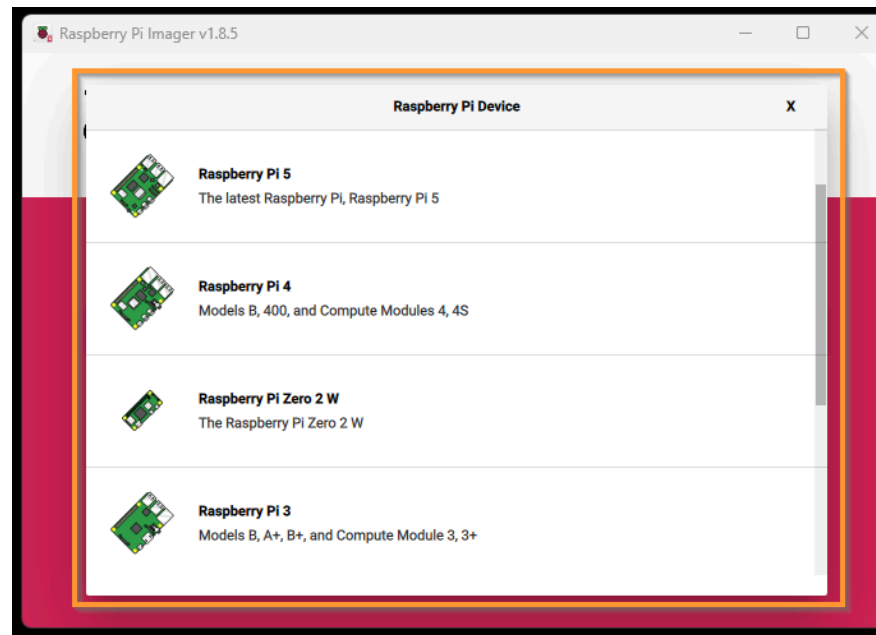
Get DAKOS with the Raspberry Pi Imager:

The simplest way to install DAKOS is by using the Raspberry Pi Imager. You can download this software at <https://www.raspberrypi.com/software/> (<https://www.raspberrypi.com/software/>). You will not need to download a copy of our OS as it is all set in this Imager software.

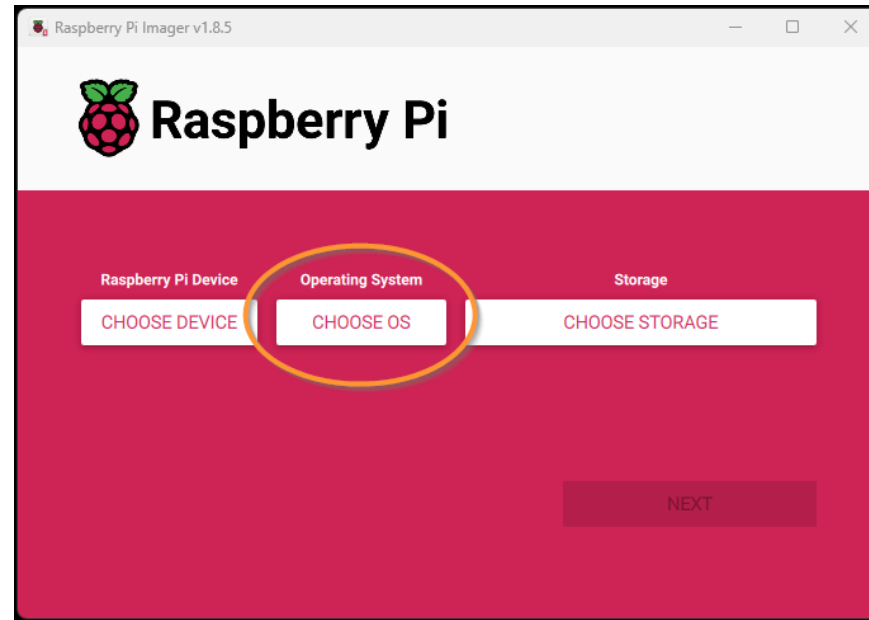
Once installed, start the Imager software and click on the **Choose Device** option. You can select **ANY** of the supported Raspberry Pi CPUs to upgrade your Wall Display or CPU, as we use the Same OS on all of them. For example, you can pick the PI 4 and you will get to the correct OS even if you have the Mini, CPU v5, or any of our Wall Displays built on Raspberry Pi Computers:



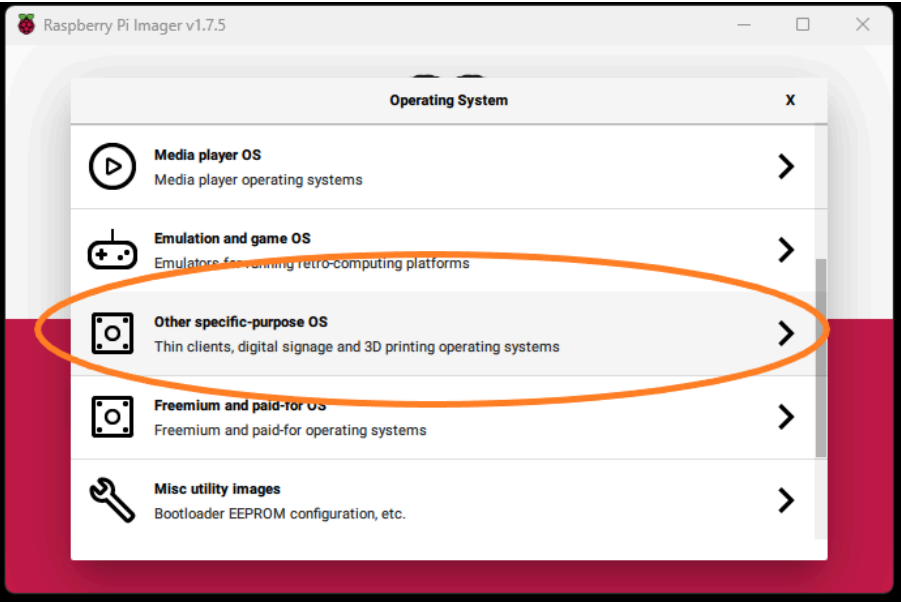
Select **ANY** of the supported models:



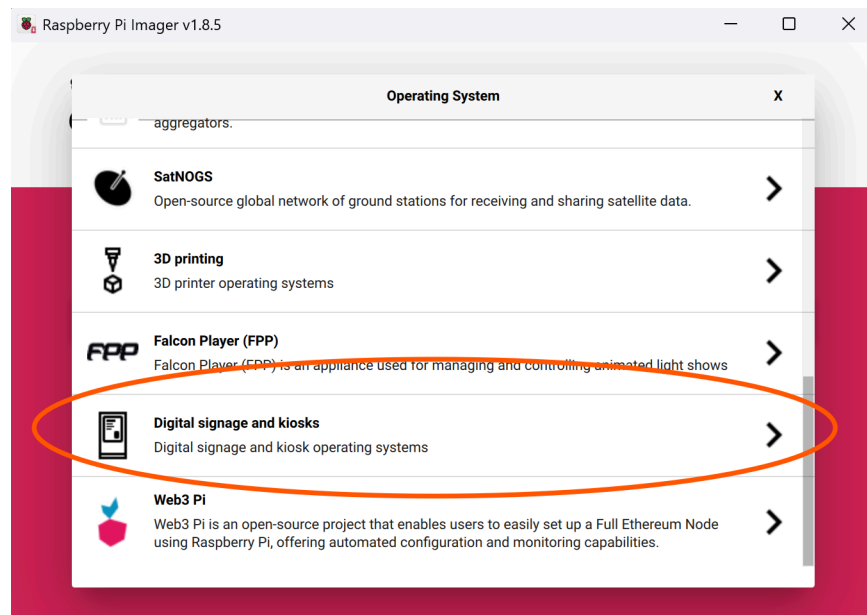
Next, click on the **Choose OS** button as seen below:



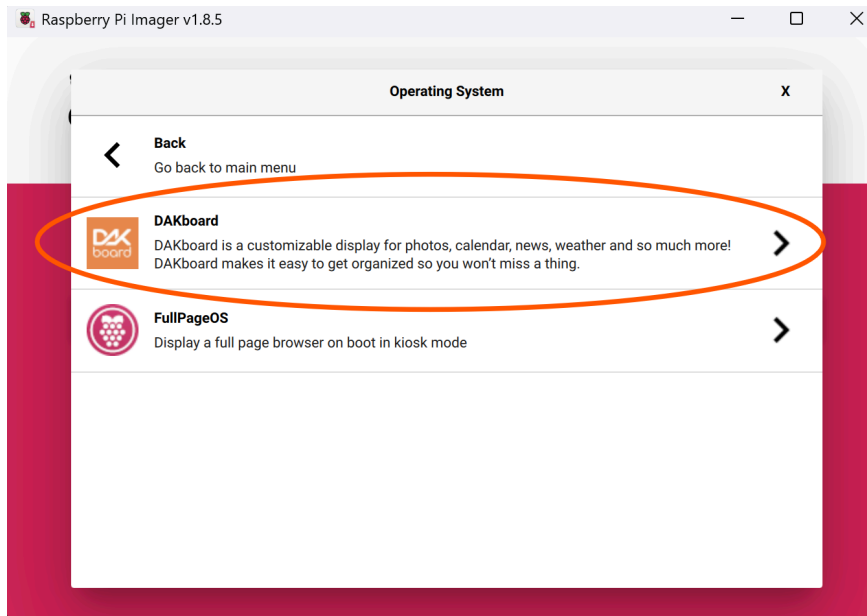
Next, select the **Other Specific-Purpose OS** section. See below:



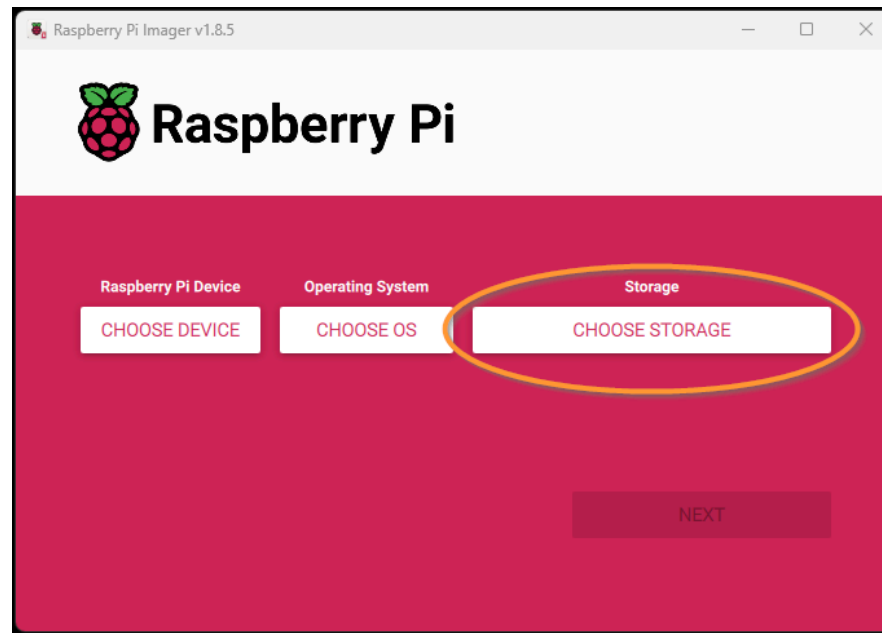
Then scroll to the **Digital Signage and Kiosks** section and select it. See below:



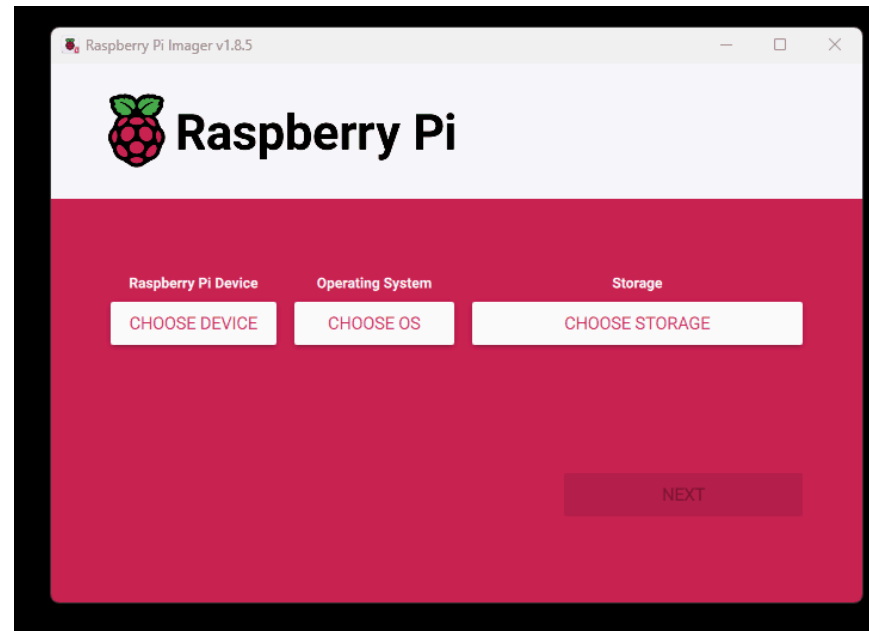
Scroll down until you find **DAKboard** and select it. See below:



Finally, after you insert your SD card into your reader, you can click the **Choose Storage** button to select it from your list of Drives:



Check out the GIF below to see the whole process:



Manually Download the Image File and Install Using Etcher:

Alternatively, you may manually download and write the image to the SD card with Etcher.

First, download the image file:

Latest: **(v4.11)**

Download Mirror 1 (https://drive.google.com/file/d/1gcGDUu3s_vyd3DkTew47xl0iZTSW14s1/view?usp=sharing).

Download Mirror 2 (<https://dakboard-downloads.nyc3.digitaloceanspaces.com/DAKboard-OS/dakboard-os-4.11.img.zip>).

Legacy: **(v3.54)**

Download Mirror 1 (<https://drive.google.com/file/d/1aiCWSezt7uVE-GDYE2bDpMaSxsuYPwTr/view?usp=sharing>).

Download Mirror 2 (<https://dakboard-downloads.nyc3.digitaloceanspaces.com/DAKboard-OS/dakboard-os-3.54-RPi.img.zip>).

Once downloaded, follow the steps below to install it on your SD card.

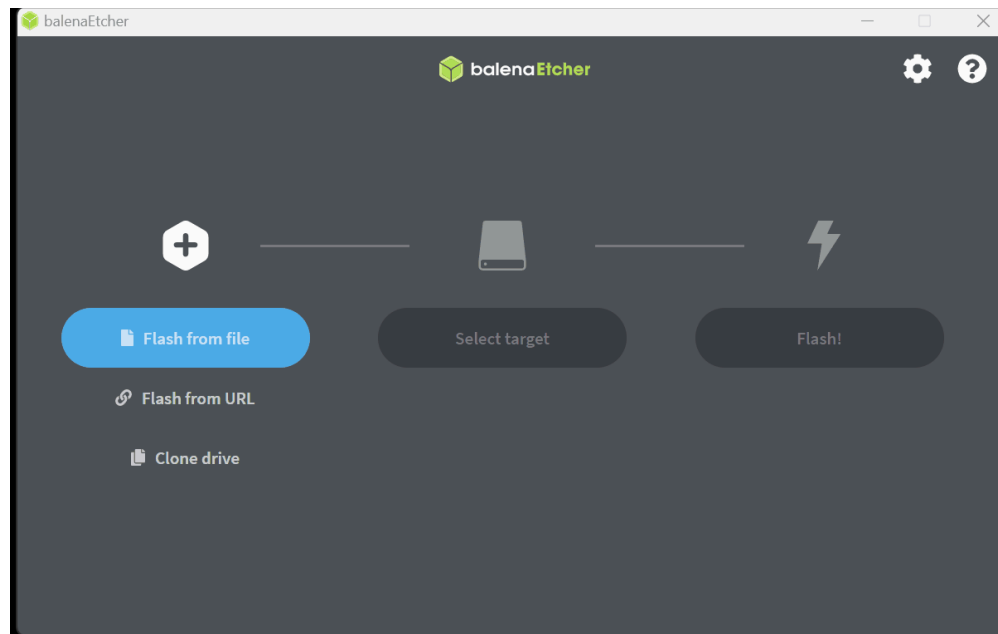
Write the File to a Micro SD Card:

Once downloaded, you'll need to write the image to a Micro SD card.

Etcher is a graphical SD card writing tool that works on Mac OS, Linux, and Windows and is the easiest option for most users. Etcher also supports writing images directly from the zip file, without any unzipping required. To write your image with Etcher:

- Download **Etcher** (<https://www.balena.io/etcher/>) and install it.
- Connect an SD card reader with the SD card inside.
- Open Etcher and select from your hard drive the Raspberry Pi **.img** or **.zip** Files you wish to write to the SD card.
- Select the SD card that you wish to write your image to.
- Review your selections and click 'Flash!' to begin writing data to the SD card.

See the Sample GIF below to see the process:



Insert the Micro SD Card into the Raspberry Pi:

You can now connect your Raspberry Pi to a TV/Monitor, insert the Micro SD card, and connect the power. When it's done loading, you can follow the on-screen instructions for connecting to your network and adding it to your account.

Frequently Asked Questions:

Below are the most Frequently Asked Questions about Downloading DAKOS for the Raspberry Pi:

What version of Raspberry Pi hardware do you use in the boxes you sell?

Our Current models use the following hardware:

- CPU Mini uses the Raspberry Pi Zero 2W
- CPU v4 uses the Raspberry Pi 4 2GB model
- CPU v5 uses the Raspberry Pi 5 2GB model

Older versions of our hardware also used the Raspberry Pi 3A, 3B, and 3B+ versions of the Raspberry Pi computers.