

# PiZero-WU

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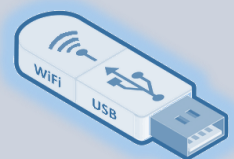
Raspberry Pi® Zero WiFi Enabled USB Key

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Home Computing

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# PiZero-WU

## Introduction



The PiZero-WU - Raspberry Pi® Model Zero WiFi with USB memory stick emulation.

The on-board software allows a WiFi network folder to be accessed which appears to the USB connected device (e.g. television, sewing machine etc.) as a USB memory key / stick.

This documentation refers to revision '**1.0 – Sunrise**' of the Pi-Zero-WU module.

***“A Flexible WiFi Enabled USB Memory Key”***

To get started, connect your PiZero-WU to your device using a USB cable.



A configured device will take approximately 60 seconds to search for a recognized WiFi network and become available for use.

If you are setting up your PiZero-WU proceed to the **Setup** section now.



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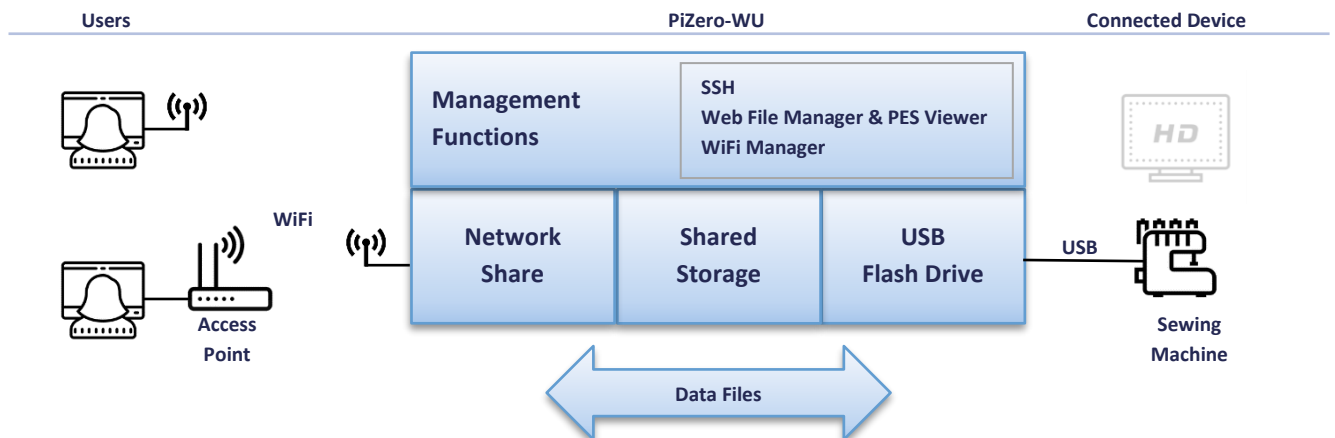


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# Concepts

The PiZero-WU comprises a computer, micro SD Card memory storage, WiFi and management software. These are configured to allow files to be remotely managed and made available as a USB Flash drive (USB memory key / Pen drive) data storage device to a physically connected device e.g. a television, sewing machine or other USB connected device as shown in the overview below.



Files can be transferred over a WiFi network to the shared storage contained in the PiZero-WU for the connected device to read.

The PiZero-WU also contains management software to allow configuration of the device and management of files on the device.

**Note:** When using your PiZero-Wu, a connected device (Sewing machine or television) would normally anticipate a **USB Memory Key** to be read only. That is, its contents would not be updated once connected to the device (e.g. Sewing machine or television). The PiZero-Wu uses a software monitoring system to determine when a change has occurred to the virtual **USB Memory Key** storage. The monitoring software issues a 'notification' to the connected device, essentially making the connected device believe a new **USB Memory Key** has been inserted / connected. This function will cause the connected device to re-read the connected PiZero-Wu **USB Memory Key** emulation with the updated content. e.g. Enabling the connected device to access files that have been uploaded.



# Functions And Features

Your PiZero-WU has several functions:

- USB Memory
- WiFi Web management (WWW)
- WiFi Shared folder (For Windows computers via Samba)
- WiFi Web file management and .PES file viewing
- WiFi Network & Hotspot mode
- SSH Access
- USB connector

