

**PINENOTE**  
**PINE64 Linux  
Powered E Ink  
Tablet is Making  
a Return**



## **PINENOTE PINE64 Linux Powered E Ink Tablet is Making a Return User Guide**

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# **PINENOTE**

**PINENOTE PINE64 Linux Powered E Ink Tablet is Making a Return**



## **Product Usage Instructions**

### **Getting Started**

Before using the PineNote, ensure you have read the manual carefully.

### **About the PineNote**

The PineNote is an E-Ink tablet designed to run Linux and other open-source operating systems.

### **Using the PineNote**

#### **Initial Setup**

To start the PineNote, press and hold the power button for 2 seconds. Allow the device to complete the initial boot process without interruption.

#### **Operating Systems**

The PineNote ships with Maximilian Debian Linux but can run other operating systems available on the Wiki or partner projects' websites.

#### **Hardware Documentation**

Refer to the PineNote Wiki for detailed information on hardware components, schematics, datasheets, and certifications.

#### **Hardware Specification**

For a complete overview of hardware specifications, visit the PineNote main Wiki page.

## Package contents

- User Manual – Quick Start Guide (x1)
- PineNote (x1)
- EMR Pen (x1)
- USB A to USB-C power cable (x1)

## Safety precautions and recycling

### Cautions

Before using the PineNote please read this manual carefully.

### Notes for safe operation:

- The PineNote should be charged using a 15W (5V 3A) USB-PD power adapter. Charging at a higher voltage may result in damage to the device.
- The PineNote will only operate when its internal temperature is between 5°C and 65°C. It should never be operated with an external temperature lower than -20°C or higher than 40°C.
- Do not puncture, disassemble, strike or squeeze the battery. Old batteries need to be disposed of in accordance with local regulations (see section 2.2).
- Do not expose the device to direct sunlight, water or high levels of humidity.
- Comply with local regulation pertaining to using mobile devices. This extends to and includes use of the device in public spaces when operating motor vehicles and heavy machinery.

### Recycling of components and batteries

Recycling any PineNote components should be done according to local regulations. This may require you to dispose of the phone or its parts at a local recycling center or at a designated container. Please consult local legislation for details. Batteries should never, under any circumstances, be disposed of with general household waste. The end user is legally obliged to return used batteries. Batteries can be returned to us to be disposed of. The batteries are to be returned to the sender – for more information contact us on [info@pine64.org](mailto:info@pine64.org).

## Getting started

### About the PineNote

The PineNote is an Arm-based E-Ink tablet designed to run Linux and other free and open-source operating systems.

## Using the PineNote

### Initial setup

To start the PineNote press and hold the power button for 2 seconds. On initial boot, following the initial OS setup, the PineNote will power-cycle while the partition table is populated. Make sure not to interrupt this process;

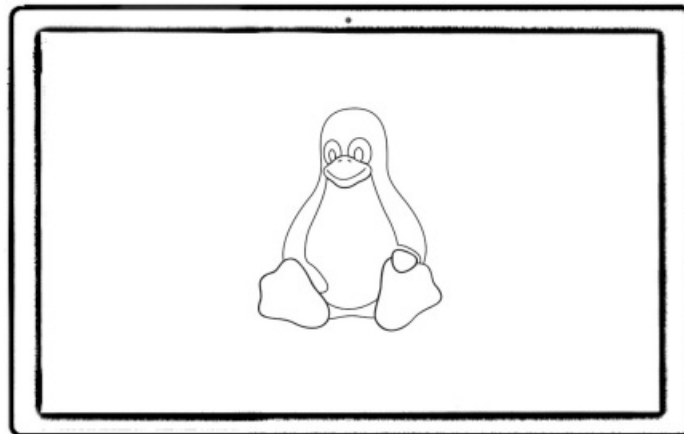
interrupting the initial setup may lead to corruption of flash memory and a failed OS installation.

## Default operating system

The PineNote ships with Maximilian Debian Linux.

## Alternative operating systems

The PineNote is capable of running multiple operating systems from internal flash eMMC. Available PineNote operating systems can be found on the Wiki(<https://wiki.pine64.org/wiki/PineNote>) and on individual partner projects' websites. All OSes for PineNote are delivered by community developers and partner projects. PINE64 does not create software for the PineNote. Aside from the operating system that comes pre-installed on your device, you can install and run any other OS available for the PineNote. Most if not all operating systems for the PineNote are open and free, such as Linux and \*BSD.



## Hardware

### Hardware documentation

The hardware for the PineNote has been chosen with open and free software in mind. The PineNote was designed based on the Quartz64 single board computer by PINE64, which has enjoyed much development the open-source community. Documentation pertaining to development on the platform, feature enablement, and other related efforts are represented in a matrix which can be found on PINE64's Wiki ([https://wiki.pine64.org/wiki/Quartz64\\_Development](https://wiki.pine64.org/wiki/Quartz64_Development)). This page also contains links to external repositories and external assets. Documentation concerning the specific components, as well as schematics, datasheets, block diagrams, SDKs and other related information can be found on the main PineNote Wiki page (<https://wiki.pine64.org/wiki/PineNote>). The main site also hosts disclosed vendor information, hardware certifications (e.g. CE and FCC) and peripheral documentation.

### Hardware specification

The following lists key hardware specifications of the PineNote. This is an abbreviated list; for complete hardware overview please see the PineNote main Wiki page (<https://wiki.pine64.org/wiki/PineNote>)

### Key hardware

- SoC: Rockchip RK3566
- CPU: 4x ARM Cortex-A55 @ 1.8 GHz
- GPU: Mali-G52 MP2 @ 800 MHz
- Supported by the open source 'Panfrost' driver in Linux and Mesa

- Supports OpenGL 3.1 and OpenGL ES 3.1 with many newer extensions
- NPU: 0.8 TOPS Neural Processing Unit
- RAM: 4GB LPDDR4
- Storage:
- 128GB internal eMMC
- Display: 10.3" E-Ink Resolution 1872×1404
- Battery: 4000 mAh (14.8Wh)
- Buttons: Power
- Networking:
- Wi-Fi 2.4/5GHz (AC) and Bluetooth 5.1/ LE
- I/O:
- 1x USB-C 2.0

## Regulatory compliance

The PineNote is CE and FCC certified.

Device fully compliant with RED directive (2014/53/EU)

Device fully compliant with RoHS directive (2015/65/EU)

## Documentation and contact information

Detailed hardware and software documentation, including FCC, CE and RED certifications, can be located on our Wiki ([wiki.pine64.org](http://wiki.pine64.org))

## Contact

- Sale enquires: [sales@pine64.org](mailto:sales@pine64.org)
- Support: [support@pine64.org](mailto:support@pine64.org)
- General enquiries: [info@pine64.org](mailto:info@pine64.org)

## Frequently Asked Questions

- **Q: Can I charge the PineNote with any USB-C charger?**
  - A: It is recommended to use a 15W (5V 3A) USB-PD power adapter to charge the PineNote. Using a higher voltage charger may damage the device.
- **Q: Can I install my preferred operating system on the PineNote?**
  - A: Yes, aside from the pre-installed Maximilian Debian Linux, you can install and run other open-source operating systems available for the PineNote. Check the Wiki for more information.

## Documents / Resources

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## References

- [PINE64](#)
- [Quartz64 Development - PINE64](#)
- [User Manual](#)

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