OEMGMINER NerdMiner V2 Pro

OEMGMINER NerdMiner V2 Pro Instruction Manual

Model: NerdMiner V2 Pro

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your OEMGMINER NerdMiner V2 Pro. The NerdMiner V2 Pro is a low-power device designed for solo Bitcoin mining, featuring a T-Display S3, Wi-Fi connectivity, and USB-C power. It comes with firmware version 1.6.3 pre-installed for immediate use.

2. Product Overview

The NerdMiner V2 Pro is a compact device equipped with a display and two control buttons. It is designed for energy-efficient operation, consuming approximately 1 watt of power.



Figure 2.1: NerdMiner V2 Pro device with its packaging. The display shows current mining statistics including block templates, difficulty, shares, and hash rate.



Figure 2.2: Rear view of the NerdMiner V2 Pro, highlighting the OEMGMINER branding and product identification label.



Figure 2.3: Key features of the NerdMiner V2 Pro, emphasizing its low power consumption and open-source nature.

2.1 Key Features:

- **Hash Rate:** Approximately 250KH/s.

- **Power Consumption:** Low power, around 1 watt.
- **Connectivity:** Wi-Fi enabled for network access.
- **Power Interface:** USB-C for power supply.
- **Display:** Integrated T-Display S3 for real-time statistics.
- **Firmware:** Pre-installed with version 1.6.3.

3. Setup Guide

Follow these steps to set up your NerdMiner V2 Pro and connect it to your network.



Figure 3.1: Initial setup screen displaying Wi-Fi connection details and a QR code for easy access.

1. **Connect Power:** Connect the NerdMiner V2 Pro to a power source using a USB-C cable. The device will power on and display a QR code and Wi-Fi configuration details.
2. **Connect to NerdMiner Wi-Fi:** On your computer or mobile phone, connect to the Wi-Fi network broadcast by the NerdMiner.
    - **SSID:** NerdMinerAP
    - **Password:** MineYourCoins

    You can also scan the QR code displayed on the device screen to connect.
3. **Configure Wi-Fi and Wallet:** Once connected to the NerdMinerAP network, open a web browser. The device should automatically redirect you to the configuration page (or navigate to http://192.168.4.1 if needed).
    - Select your home Wi-Fi network from the list.
    - Enter the password for your home Wi-Fi network.
    - Enter your Bitcoin wallet address where any mined Bitcoin will be sent.
    - The pool URL is typically set to public-pool.io by default.
4. **Save and Reboot:** After entering all required information, click "Save". Wait a few moments, then reboot the device. The NerdMiner V2 Pro will now attempt to connect to your home Wi-Fi and begin mining.

4. Operating Instructions

The NerdMiner V2 Pro features two buttons for basic control and display management.

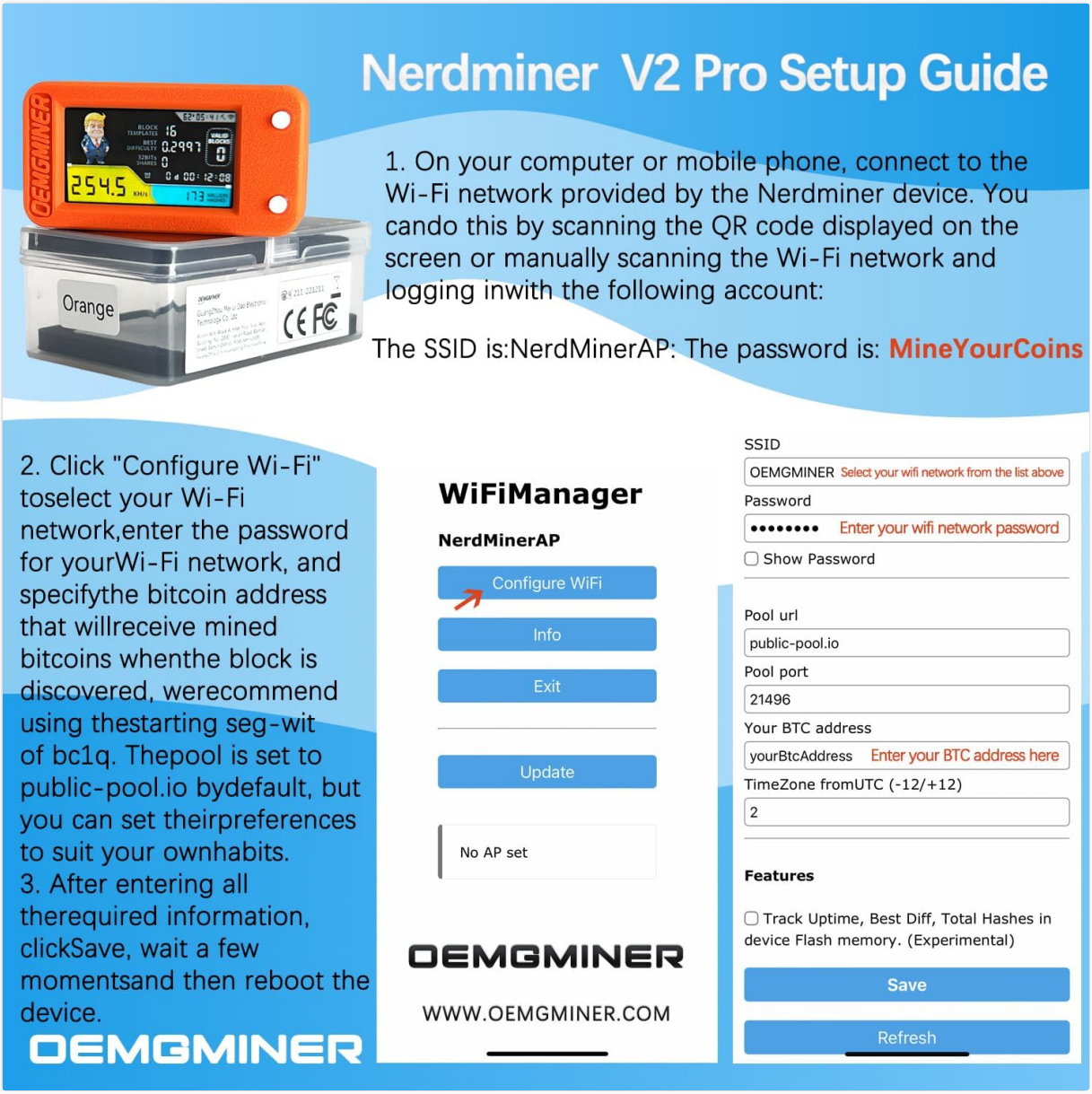


Figure 4.1: Button functions for display control and device reset.

- **Upper Button:**
  - **Short Press:** Toggles the on-screen display to show different mining statistics or information screens.
  - **Long Press (7 seconds):** Initiates a device reset. Use this if the device becomes unresponsive or requires a fresh start.
- **Lower Button:**
  - **Short Press:** Turns the screen off or on. This can help conserve power and extend screen life.

5. Maintenance

To ensure the longevity and optimal performance of your NerdMiner V2 Pro, consider the following maintenance guidelines:

- **Cleaning:** Gently wipe the device with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Environment:** Operate the device in a cool, dry environment. Avoid direct sunlight, high humidity, and extreme temperatures.

- **Power Supply:** Use a reliable USB-C power adapter. Ensure stable power to prevent interruptions.
- **Firmware Updates:** Periodically check the official OEMGMINER website or community forums for potential firmware updates. Follow update instructions carefully.

6. Troubleshooting

If you encounter issues with your NerdMiner V2 Pro, refer to the following common problems and solutions:

- **Device Not Powering On:**
  - Ensure the USB-C cable is securely connected to both the device and a working power source.
  - Try a different USB-C cable and power adapter.
- **"0 Hashes" or Not Mining:**
  - Verify your Wi-Fi connection. Re-enter your Wi-Fi credentials if necessary via the setup process (Section 3).
  - Confirm that your Bitcoin wallet address is correctly entered in the configuration.
  - Ensure your internet connection is stable.
  - Perform a device reset by long-pressing the upper button for 7 seconds.
- **Unable to Connect to NerdMinerAP Wi-Fi:**
  - Ensure the device is powered on and broadcasting the "NerdMinerAP" network.
  - Double-check the password "MineYourCoins" for accuracy.
  - Try connecting from a different device (phone/computer).
- **Screen Unresponsive or Frozen:**
  - Try short-pressing the upper button to cycle through displays.
  - Perform a device reset by long-pressing the upper button for 7 seconds.

7. Specifications

Feature	Detail
Product Dimensions	5.12 x 2.36 x 7.09 inches
Item Weight	2.39 ounces
Manufacturer	OEMGMINER
Item Model Number	NerdMiner V2 Pro
Compatible Devices	Devices with web browser for configuration
Connector Type	USB-C
Output Wattage	1 Watt
Cooling Method	Air (with integrated heat sink)

8. Warranty and Support

For warranty information or technical support, please contact OEMGMINER directly. Refer to the product packaging or the official OEMGMINER website for contact details.
Manufacturer: OEMGMINER
Product ASIN: B0D2D44X3F
Serial Number (Example): 2312G300020247 (Refer to your device's specific label)
For additional resources and community support, you may visit relevant online forums dedicated to NerdMiner devices.

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