



Jingle Miner BTC Solo Lite:

Your Gateway to Efficient Bitcoin Mining

Powered by the cutting-edge BM1370 ASIC chip (originally developed for Antminer S21 Pro), the Jingle Miner BTC Solo Lite delivers professional-grade mining performance in a compact package.

KEY SPECIFICATIONS

Hashrate 1.2 TH/s $\pm 10\%$ **Energy Efficiency** 19.17 J/TH $\pm 10\%$ **Power Input** 5V DC (2.1/5.5mm Barrel Jack)

CORE INNOVATION

Based on the NerdAxe open-source program, we implemented straightforward optimizations to the software components to enable more efficient execution of mining operations. Through adjustments to motherboard configurations and optimizations to thermal components, our product achieves enhanced heat dissipation efficiency under equivalent power consumption, ensuring superior performance stability under high-temperature operating conditions.

Real-time Algorithm Adjustments **Precision Voltage Tuning**
Advanced Thermal Management **Intuitive Mining Management**

Our web-based dashboard transforms complex operations into three simple steps:



Track hardware metrics, analyze mining patterns, and implement efficiency upgrades – all through a single interface accessible from any device.



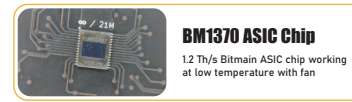
ATTRIBUTES

VCC: 5V
Wifi: only 2.4GHz
IMAX: 5A
MCU: ESP32-S3
Power: 23W $\pm 10\%$
LX7 microprocessor
USB Type: USB-C
ASIC: BM1370



Why Choose Jingle Miner BTC Solo Lite?

- Sustainable operations with industry-leading 15 J/TH efficiency (Does not include other equipment of the whole machine, such as fans, screens, etc.)
- Plug-and-play setup powered by standard 5V/5A adapters
- Open-source ecosystem for developer-driven enhancements
- Noise-controlled design for home/office environments

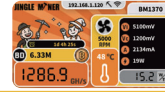


BM1370 ASIC Chip

12 Th/s Bitmain ASIC chip working at low temperature with fan

Miner Stats Screen

Standard mining data, hashrate, uptime, efficiency, shares...



WebConfig

Global mining data current hashrate, miner config, logs...



FULL SETUP GUIDE

Check all Jingle Miner details downloading the full guide on the following QR code. For any other question contact Jingle Miner team.

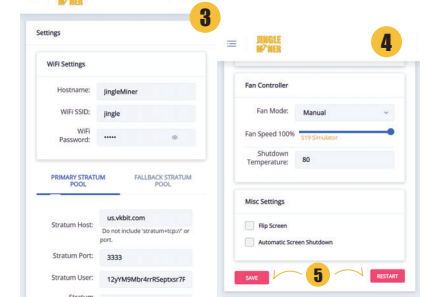
QUICK SETUP

Required Time: 5 Minutes

- 1 Power up your Jingle Miner with its power adapter (5V/5A). Important: Don't use any other power adapter.

- 2 Wait until the text "Connect to ssid: JingleMiner_XXXX" appears on the screen, and then from a mobile phone search for the JingleMiner_XXXX wifi network and connect to it.

- 3 Upon connection, the configuration page will automatically launch, or you may alternately access <http://192.168.4.1> to complete setup. Locate the button in the top-left corner of the page and click on the Settings option.



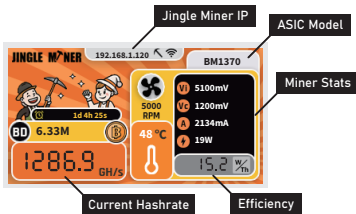
- 4 Setup miner parameters: **WiFi/Password:** network credentials where you want to connect to. **Pool url/port:** Enter your pool settings or leave default. **Stratum user:** BTC address where you will receive your mining rewards.

- 5 Press Save and Restart. The Jingle Miner will then restart and begin mining.

*For any problem check full guide or contact Jingle Miner team.

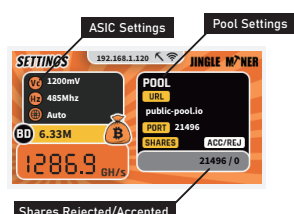
SCREENS TUTORIAL

- Main Screen** The following screen provides all Jingle Miner stats, including mining values, chip temperature, and efficiency, among other details.



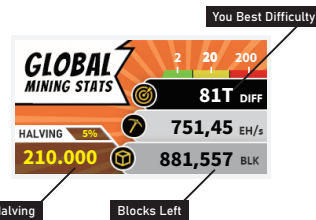
- BD Best difficulty: Best difficulty gotten by miner
- V Input voltage: voltage of power supply
- Vc Core voltage: voltage readed at ASIC chip
- A Current: Current consumption
- P Power: Chip power consumption
- F Fan: revolutions per minute readed

- Stats Screen** The following screen shows your configured settings, including the pool IP address, and port for configuring.

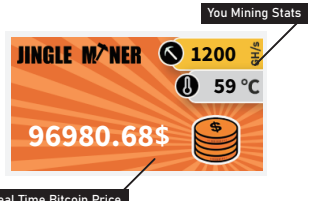


- Vc Core voltage set: Configured ASIC core voltage
- Fz Freq set: ASIC frequency configured
- F Fan: configured fan behaviour
- URL URL: Pool configured URL
- PORT Port: Pool configured Port
- SHARES Shares: Accepted/rejected found shares

- Global Screen** This screen displays global Bitcoin mining statistics, including total network mining difficulty, total network hashrate, current block height.



- Price Screen** This screen displays the Bitcoin price as well as your miner's current stats.



Jingle Miner SETTINGS

Setup miner parameters: **WiFi/Password:** network credentials where you want to connect to. Get your home WiFi name and password and enter them in the respective fields.

Stratum url/port: introduce your pool settings or leave default ones.

Refer to the list of compatible mining pools below:

URL	PORT
public-pool.io	21496
us.vkbit.com	3333

Stratum user: set your BTC address followed by your worker name. <btcAddress>-<workerName>

Stratum password: Use default if unspecified, or set a custom password for pools requiring authentication.

Frequency: ASIC work freq.
Core voltage: ASIC core voltage.

ASIC TUNNING METHODOLOGY

Playing with frequency and core voltage lets you find the best working point with your ASIC. Increasing or reducing hashrate or power consumption. Be careful to not force it too much. Default values are the recommended ones.

Features

- High Performance** Powered by the S21 Pro BM1370 ASIC chip
- Plug Play** Easy to set up, fully assembled, configure and play
- ASIC Tunning** ASIC Tuning via config portal, to find the optimal performance/efficiency point.
- Config Portal** Web config portal to setup your mining data

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.
To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body. Use only the supplied antenna.