



# BITSOLOPLAYER



# Bitaxe

**ASIC POWER  
BITMAIN CHIP**



**LOW POWER  
CONSUMPTION**



**EASY TO  
CONFIGURE**



**OPEN  
SOURCE**





# BITAXE GAMMA 601

## HIGH-PERFORMANCE SINGLE-CHIP ASIC BITCOIN MINER

### OVERVIEW

The Bitaxe Gamma 601 represents the latest innovation in the Bitaxe series of single-chip ASIC Bitcoin miners, offering exceptional performance, efficiency, and user-friendly features. Powered by the advanced BM1370 ASIC chip—the same technology used in Bitmain’s Antminer S21XP—it delivers impressive hash power and excellent energy efficiency, making it an ideal choice for solo miners and those looking to contribute to the decentralized Bitcoin network.

### KEY FEATURES

- **BM1370 ASIC Chip:** Provides a robust hash rate of 1-1.2TH/S, offering significant computational power with exceptional efficiency.
- **Outstanding Efficiency:** Industry-leading efficiency of 15 W/TH, optimizing power consumption for increased profitability.
- **Compact and Portable:** Space-efficient design, ideal for home use or portable mining setups.
- **Built-in Wi-Fi:** Enables seamless internet connectivity, supporting wireless setup and operation.
- **User-Friendly Interface:** Equipped with an OLED display that provides real-time miner data for easy monitoring.
- **Open-Source Firmware:** Features the AXE OS open-source operating system, allowing users to customize and optimize miner performance.
- **Cooling Solution:** Comes with a 5V 40mm dual ball-bearing fan for efficient cooling with minimal noise.
- **Power Supply Included:** Comes with a 5V/6A – 30W – 50/60Hz power adapter for stable and reliable power.
- **USB-C Port:** Supports firmware updates to ensure the miner remains up to date.
- **Solo Mining Support:** Designed for users interested in solo mining, the Bitaxe Gamma 601 significantly enhances the security and decentralization of the Bitcoin network.

## SPECIFICATIONS

- **Hash Rate:** 1TH/s (default settings) and 1.2TH/S (high power settings)
- **Efficiency:** 15 W/TH
- **Chip:** BM1370 ASIC
- **Cooling System:** 5V 40mm dual ball-bearing fan
- **Wi-Fi:** Built-in, supports seamless internet connectivity
- **Display:** 0.96-inch OLED screen for real-time monitoring
- **Power Supply:** 5V/6A – 30W – 50/60Hz
- **Power Connection:** USB-C port for firmware updates
- **Dimensions:** Compact and portable, suitable for home and mobile use

## ADDITIONAL FEATURES

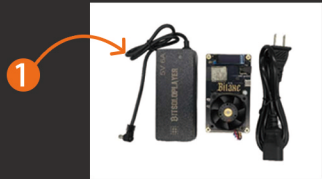
- **Community Collaboration:** Open-source firmware supports developer collaboration for continuous improvements.
- **Ideal for Decentralization:** In solo mining mode, the Bitaxe Gamma 601 averages one block discovery every 75 days, contributing to the decentralization of the Bitcoin network.
- **Cooling Options:** Optional silent imported cooling systems available, ideal for overclocking to achieve higher hash rates with reduced noise levels.

## SETUP AND USAGE

### 1. PREPARATION

#### ● TOOLS AND EQUIPMENT

- ◆ Bitaxe Gamma 601 Miner
- ◆ Power cord and adapter
- ◆ Network connection (2.4GHz Wi-Fi or mobile hotspot)
- ◆ Computer, smartphone, or tablet for configuration
- ◆ Bitcoin wallet address
- ◆ Mining pool URL(if using pool mining)



### ● ENVIRONMENTAL REQUIREMENTS

- ◆ Place the miner in a well-ventilated area.
- ◆ Ensure it is within range of a home Wi-Fi signal.
- ◆ Confirm the power outlet supports the miner's power requirements.
- ◆ Maintain an ambient temperature between 15° C and 30° C to prevent overheating.

## 2.CONNECT HARDWARE

### ● INSERT POWER

- ◆ Connect the power cable to the Bitaxe Gamma 601's power interface.
- ◆ Plug into a power outlet, ensuring stable voltage to avoid fluctuations.



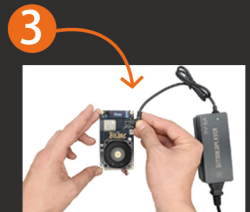
### ● CONNECT NETWORK

- ◆ Prepare a 2.4GHz Wi-Fi or mobile hotspot.

## 3.POWER ON THE MINER

### ● START THE MINER

- ◆ Turn on the power switch, the miner's screen will display the BITAXE startup screen.
- ◆ Wait for the initialization to complete (approximately 10 seconds).



- CHECK DISPLAY STATUS

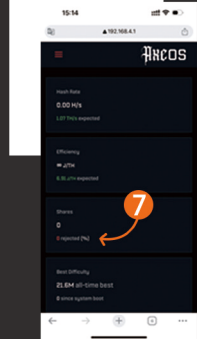
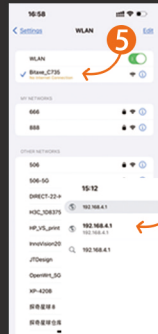
- ◆ The screen will show the miner' s Wi-Fi hotspot (e.g., Bitaxe\_XXXX). Note this for configuration.



## 4.ACCESS THE WEB CONFIGURATION INTERFACE

- STEPS

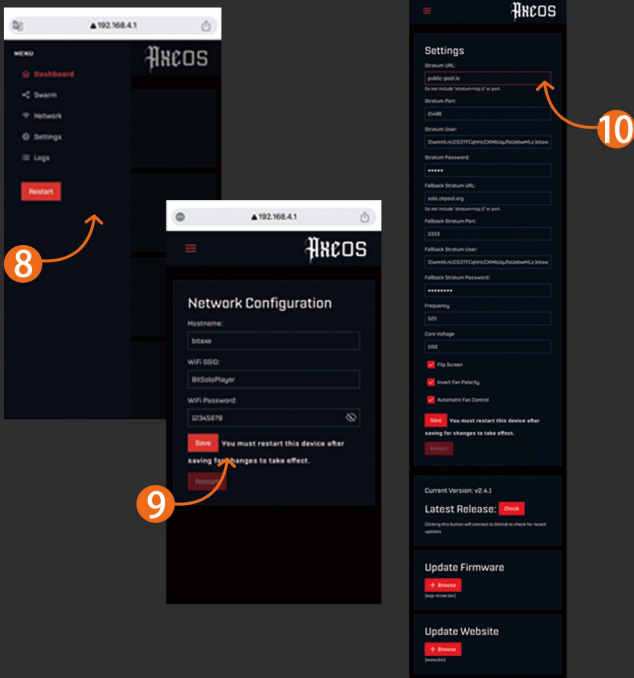
- ◆ Open a computer or smartphone and connect to the miner' s Wi-Fi hotspot (e.g., Bitaxe\_XXXX).
- ◆ After connecting to the wifi address, the mobile phone or computer will automatically enter the login page of the Miner.
- ◆ If the Setting page does not automatically Jump out , please connect to the miner wifi address and enter the default IP address 192.168.4.1 in the browser navigation bar of your mobile phone or computer and select enter.
- ◆ After logging in, you will enter the main configuration interface of the mining machine.



## 5. CONFIGURE THE MINING POOL

### ● WI-FI AND POOL SETUP

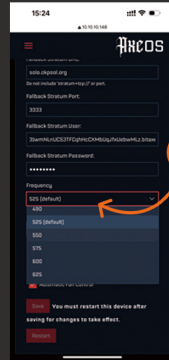
- ◆ Click Network and Enter your Wi-Fi credentials in the web interface and save.
- ◆ Input the mining pool URL (e.g., public-pool.io port 21496) and your Bitcoin wallet address to receive rewards.
- ◆ Save and restart the miner to apply the settings.



## 6. PERFORMANCE ADJUSTMENT (OPTIONAL)

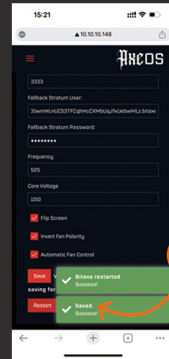
### ● SETTINGS

- ◆ Adjust hash rate via frequency and Core voltage (Core Voltage: 1000~1250 Frequency: 400~625 MHz).
- ◆ ASIC TUNNING METHODOLOGY  
Playing with frequency and core voltage let 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.
- ◆ Configure fan speed for optimal cooling.



### ● SAVE AND APPLY

- ◆ After the configuration is completed, click the "Save" and "Restart" buttons and restart the miner to make the settings take effect.



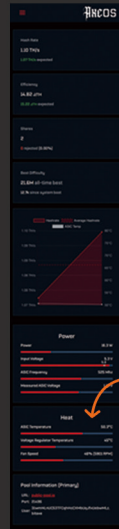
## 7. MONITOR AND MAINTAIN

### ● MONITORING

- ◆ View real-time mining status, including hash rate, temperature, and power usage, via the web interface.

### ● MAINTENANCE

- ◆ Regularly clean the device and check for dust on the fan to ensure stable operation.



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## 8. TROUBLESHOOTING AND OPTIMIZATION

### ● SETTINGS

- ◆ If errors occur, check logs or contact support. Adjust mining pool settings or restart as needed.



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## SIMPLE SETUP

The Bitaxe Gamma 601 features detailed setup instructions and a built-in ESP32-S3 microcontroller with Wi-Fi connectivity, offering a simple web-based configuration.

### ● REAL-TIME MONITORING

- ◆ The OLED screen displays critical data, such as hash rate and system status, keeping users informed at all times.

### ● CUSTOMIZABLE FEATURES

- ◆ Open-source firmware allows deep customization, providing tools for optimized and personalized mining experiences.

### ● CONCLUSION

- ◆ The Bitaxe Gamma 601 is a high-performance, energy-efficient, and versatile Bitcoin miner, perfect for solo mining or contributing to the broader Bitcoin ecosystem. With its advanced BM1370 chip, low-power design, and compact form factor, it's an ideal choice for individuals dedicated to decentralized mining, innova-

### ● FIRMWARE AND UPDATES

- ◆ The miner will pre-installed the latest firmware before shipped , Please do not update the firmware without the guidance of after-sales engineers. After-sales problems caused by customers updating the firmware privately will not be covered by the warranty.



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