

## Bitaxe Ultra 204 Setup Guide:

Make sure to have a bitcoin wallet set up and have your wallet address handy. Use the standard network address, not a lightning network address. If you do not have a Bitcoin wallet, I recommend using Coinbase, though you may need to do identity verification. There are other options out there that don't need verification such as the Bitcoin Core Wallet.

### Mining Pool/Solo Information:

Bitaxes are run as solo miners, or contributing towards a traditional mining pool. You will have to decide whether you want to mine towards a pool for small rewards, or mine solo for no rewards but a chance at mining a whole block, currently 3.125 BTC.

This guide will focus on solo mining as that's what many do with their Bitaxes, but the setup is largely the same just the pool information would change to that of whatever pool you are using.

For solo mining, CK Pool and Public Pool are the main two to pick from. You are still pointed towards a mining pool, but if you are the one to hit the block you receive all rewards minus pool fees. Public Pool has no fees, while CK Pool has a 2% fee. Some users reported connection issues with Public Pool, while CK Pool does not have the same issues.

### Pool Information:

CKPool - <https://solo.ckpool.org/>

Stratum URL: solo.ckpool.org

Stratum Port: 3333

Stratum User: YOURBTCADDRESS.WORKERNAME

Stratum Password: ANYPASSWORD

Public Pool - <https://web.public-pool.io/>

Stratum URL: public-pool.io

Stratum Port: 21496

Stratum User: YOURBTCADDRESS.WORKERNAME

Stratum Password: ANYPASSWORD

### Bitaxe Setup:

1. Plug in the bitaxe with the supplied power cable.
2. On a wifi-capable device, search for the network of the bitaxe. It should show as "Bitaxe\_\*\*\*\*", the asterisks will be numbers associated with your bitaxe. The network name is also shown on the screen of the bitaxe.
3. Connect to the bitaxe's wifi network, a pop-up web interface will appear with the configuration dashboard.
4. Navigate to "Settings"
5. Change the hostname of the Bitaxe to whatever you want.

6. Input your normal wifi network's credentials in the appropriate fields. You may choose to update the pool information at this time as well, I personally find it easier to set up the network first then update the pool information later.
7. Make sure to hit "Save".
8. Power cycle the Bitaxe.
9. The Bitaxe should connect to the specified network, and start hashing.
10. If you didn't input your pool information before, now is the time.
11. Locate the IP address of the connected Bitaxe. The IP is displayed on the screen of the Bitaxe (You may have to wait a moment for it to change what it is showing). You can also log into your router to locate the IP another way.
12. Open a web browser and input the IP address of the Bitaxe in the search bar, then click search/hit enter. This is how you will access the web interface for your Bitaxe.
13. Navigate again to the "Settings" page.
14. Input the mining pool information for your preferred pool from page 1 of the guide. Make sure to replace your BTC address in the Stratum User field and make up a name for the worker for the "WORKERNAME" portion. Create any short password for the Stratum Password field (Make it simple, no one can steal your coins with it just mine for you). Leave the frequency and voltage at their default settings.
15. Make sure to hit "Save".
16. Power cycle the Bitaxe.

Once the bitaxe is powered, it should connect to the pool and start mining. You can check that the pool sees your miner at the designated location on the pool's website.

CKPool:

On the main page, <https://solo.ckpool.org/>, input your BTC address in the user statistics field. You will be shown a JSON prompt with your information. You may have to wait until your miner hits a certain difficulty to be shown.

Public Pool:

On the main page, <https://web.public-pool.io/>, input your BTC address in the login field, and click "My workers". Your information should be shown on the following page.