

HeatMine Setup

This guide explains setting up the HeatMine with an Antminer S9 (Brains firmware). First, prepare the S9 to mine normally. Then, connect the HeatMine to control the S9 based on your temperature preference.



Setup S9 with Brains

Before installing HeatMine, prepare the Antminer S9 by configuring your pools and adjusting wattage or fan settings. Ensure the miner works correctly, remembering the Brains firmware Autotune takes about 3 hours.

For optimal HeatMine performance, use **Brains OS+** firmware on the Antminer S9, guided by the three QR codes on the left. When installing with an SD card, ensure Jumper 4 is correctly positioned and the Brains firmware is installed on the microSD card.

Ensure the S9 has Brains firmware with **“Autotuning” enabled**.

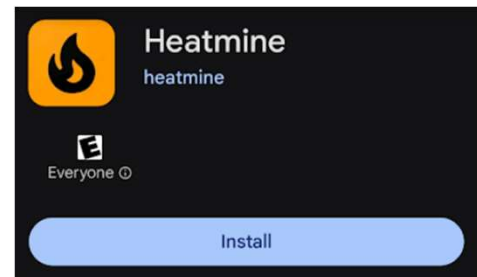
HeatMine android app

Upon initial power on of the HeatMine (and no wifi settings have been defined yet) the HeatMine will show the message on the right.



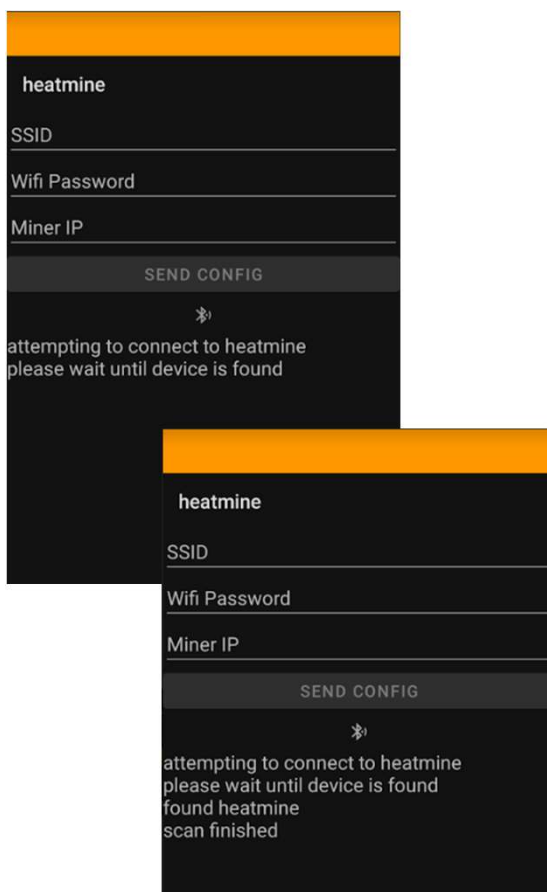
The HeatMine will control the S9 via your local wifi network. To initially setup the wifi settings, you need to use the **HeatMine android app** and configure the wifi credentials of the HeatMine via this app.

From “Play Store” search for HeatMine. Install the app with the black flame and orange background. The HeatMine app will need “Location” and “Nearby Devices” as **permissions** on your phone.



Connect via bluetooth

With Bluetooth enable on your phone, open the HeatMine app. No need to pair HeatMine to your phone. Just make sure Bluetooth isn't turned off on your phone. When you first open the app, you will see the message to **“please wait until device is found”**.



When you are near the HeatMine, the Bluetooth connection should occur immediately. You will have confirmation that it is connected by the messages **“found hostname – scan finished”**.

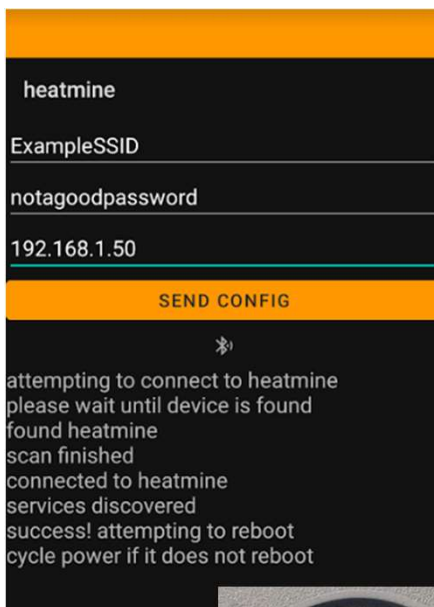
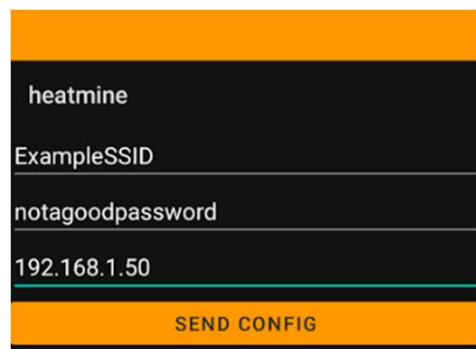
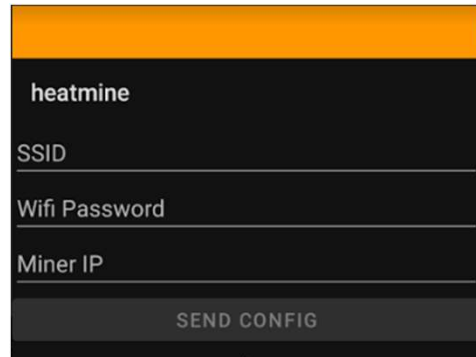
Set configuration

After you have previously confirmed the successful Bluetooth connection, you are ready to **configure 3 parameters:**

- SSID
- Wifi Password
- Miner IP address

Be mindful of no typos, nor extra spaces at the end of an entry. And note that both the SSID and password are case dependent.

Once all three parameters are entered and the HeatMine is still connected via Bluetooth, the “Send Config” button will become enabled. **Press the “Send Config”** button to transfer these settings to the HeatMine.



Connected !

Config Sent

After pressing the “Send Config” button you will get confirmation that the configuration was sent successfully with the messages shown on the left.



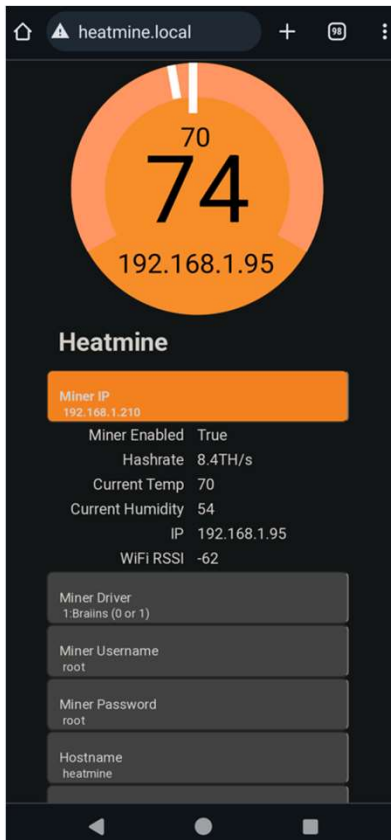
The HeatMine will try to connect to the wifi. If the wifi signal is strong enough and the wifi credentials are correct, the HeatMine should connect within a minute.

Operation of HeatMine

If the settings updated through the HeatMine Android app are correct, the **HeatMine** should already be **operational**.

Adjust Temperature setpoint

Press the pushbutton on the HeatMine to increase or decrease the temperature setpoint. A single press will increment (or decrement) the setpoint by one degree. To change direction of setpoint change, long press the pushbutton for a couple of seconds. You will see the direction arrow to the right of the setpoint temperature change direction.



Advanced Settings

The HeatMine also has a **webpage for advanced settings** and status information. You can browse to the HeatMine's web page from your local network by putting in the IP address shown on the display of the HeatMine. You can also use `<hostname>.local` as the address format (where `<hostname>` default value is "heatmine"). You can change this hostname in the advanced settings web page in case you have more than one HeatMine on the same wifi network.

The HeatMine features a documented API for external operation. For more information, visit HeatMine.net.



HEATMINE.NET