

How to open port 22

This is a step-by-step guide to open port 22, so that Bobcat can ssh into your hotspot to run remote diagnostics including old firmware update, miner not started, beacons with 0 witness etc. in case we can't remotely access your hotspot through our VPN service.

1. Find a computer/cell phone/tablet that connects to the **same** network that your hotspot connects to and log into the router settings page.
2. Go to connected Devices and search for **bobcatminer**, mark down the **internal IP address** (it should be something like 192.168.x.xxx).

If you have multiple hotspots under the same network, which is not the optimal, you should make sure the MAC Address matches that of the hotspot. If the hotspot is connected via Ethernet cable, then it should match MAC1 on the label on the back of your hotspot; if it is connected via Wi-Fi, then it should match MAC2.

Device Settings

[Reset to Default Settings](#)

Save

Device Information

Name: bobcatminer Online

Location: Other

Mobility: Portable

Device Information: [Edit](#)

Type: Desktop/Laptop

Mac Address: 48:e7:da: [redacted]

Connected to: G3100

IPv4 Address: 192.168.1.175

3. Go to **Port Forwarding** page to set the rule.

Different routers may have different navigations, you can try googling your router brand and search for how to set port forwarding rules. Usually it should be under Advanced Settings, and then Firewall.

4. Add a port forwarding rule for **Port 22** and forward it to the **internal IP address** that you just mark down under **TCP** protocol.

You should specify both the internal port and external port as 22. For some router, it allows you to specify a range of ports, set both the start port and end port to 22. After you add the port forwarding rule, don't forget to apply your changes.

Port Forwarding

Apply Changes

Open a tunnel between remote computers and a device port on your Home Network (LAN). Supports gaming, IoT, home security devices and more.

Create Rule

Application	Original Port	Protocol	Fwrd to Address	Fwrd to Port	Schedule	
	22	TCP	192.168.1.175	22	Alwa...	Add to list

Rules List

Application	Original Port	Protocol	Fwrd to Address	Fwrd to Port	Schedule	Enable
	4567	TCP	127.0.0.1	4567	Always	
	4577	TCP	127.0.0.1	4577	Always	
	44158	TCP	192.168.1.177	44158	Always	<input checked="" type="checkbox"/>  

5. Check your public IP address through googling '**what's my IP**' or through <https://whatismyipaddress.com>.
6. Double check your port 22 is opened through <https://networkappers.com/tools/open-port-checker#.YW9FUS1h2hB>, filling your public IP address and port 22. If everything is configured correctly, then you should see port 22 is open for the address!

P.S. If Port 22 is still not open after these steps, you can consider adjusting network security settings or contacting your ISP about this. **Remember, leaving your Port 22 open is very dangerous, as it exposes your network to unknown hackers. Make sure to close port 22 after Bobcat has finished running diagnostics on your hotspot.**

You are good to go!