



Hooking-Up: NETWORK

Wireless linking to your Handibot on your local network

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HANDBOT CONCEPTS

There are 2 Types of Hooking-Up!

- Two ways you can **wirelessly** link to your device -- smart-phone, tablet, PC, Mac (these methods make different use of Wi-Fi technology).

1. Anchor Point (AP) mode provides a **direct** wireless link.

- off-line, no network needed
- always available to you
- used to set up a network connection
- IP address is defined (192.168.42.1)

2. Network mode wirelessly links over your local **network**.

- lets your device access other resources
- allows internet access and updates
- IP address must be determined

2 These instructions are for Method 2, Hooking-up over a NETWORK*.

- For many fabbing activities you will find it more convenient for your Handibot to be Wi-Fi linked to your local network, and it can give you internet access.
- Internet access lets you to grab Job files from almost anywhere, and it provides for FabMo updates.
- Once your Handibot is on the network you won't need to use AP mode unless you are working away from a network.

*These instructions assume you will be initially hooked-up in Anchor Point (AP) mode in order to set-up the network link (previous instructions).



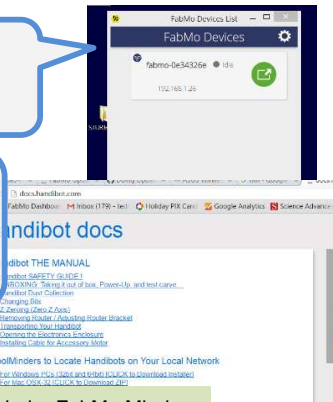
3 There are 2 things you will need to do in preparation for Network mode linking.

- You will need to **know** the *name* of your Wi-Fi network and the *passphrase* to log onto it. (You cannot currently log onto networks that require entering an individual *username*.) Make sure you have those handy.
- And, you will need to have a **method** to *identify the IP address* for your Handibot once it's on the network. If you did not install FabMo Minder for this purpose earlier, let's do it now ... (otherwise **skip** to STEP 8)

4 A **FabMo Minder App*** is the easiest method for *identifying the IP* address of your Handibot on the network and opening the Dashboard.

For Windows, Mac, iOS, and Android, we have **FabMo Minders** to help you find your tool.

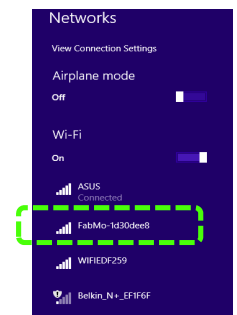
Download and install FabMo Minder from the docs site: docs.handibot.com for PC's and Macs; or, from the store for Android or iOS.



* You may have already downloaded a FabMo Minder for the earlier AP link. You only need to do it once.

5 OK ... Now we're ready to network!

(if you're not already in the Dashboard)
First start-up in AP Mode:
Reminder => Open the WiFi or network manager on your computer or device.



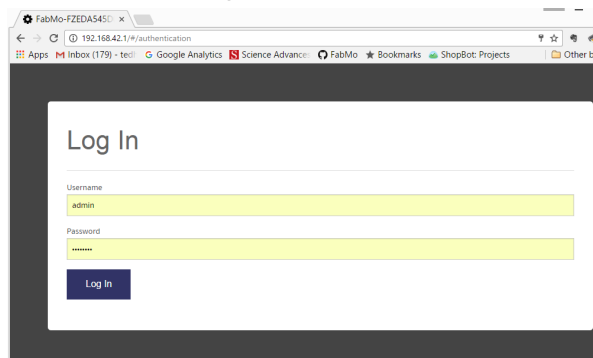
Link into your Handibot's AP mode as you did in the previous **Hooking Up: AP Mode** instructions.

Use the password: go2fabmo
(if you have not already changed it)

6 Start your **Tool Minder** and in a minute or so, your tool's software interface should appear.

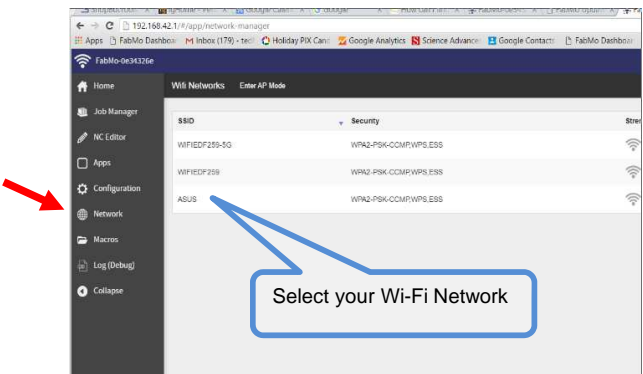


7 At the beginning of any new session, you will be asked for your log-on credentials to the tool.

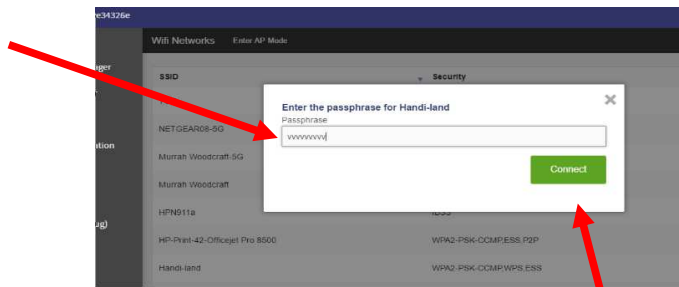


Initially log in with:
Username: **admin**
Password: **go2fabmo**

8 **OK. Now lets hook-up to the Network!** Open the FabMo Network App (left-side panel of Dashboard) to select your Wi-Fi network.



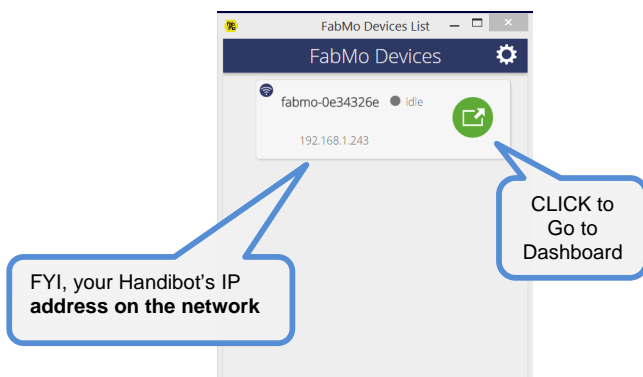
9 Enter network *passphrase* and hit Connect ...



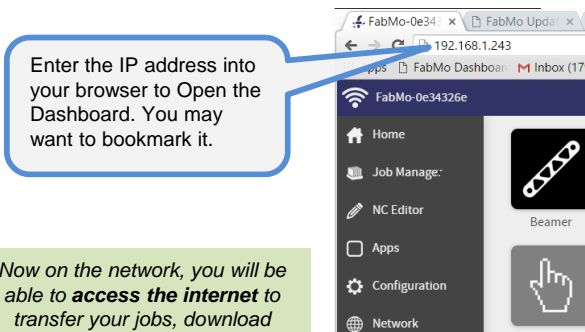
Close your browser and put your **device back on to the same network as your Handibot** (this will usually happen automatically).

And then, ta-da, your Handibot should appear again in a minute in the FabMo Minder!

10 The FabMo Minder will identify your tool, now on the network. You can just click on the green icon to go to your Dashboard. (You'll want to note the new IP address.)



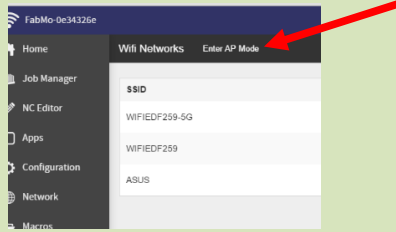
11 You can also always just enter the network IP address of your Handibot in a browser to get to the tool's Dashboard after you turn tool on.



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FAQs – NETWORKS

- Use **Chrome** or **Firefox** Browser
- Handibot/FabMo, when started or re-started, will attempt to connect to the last-used network; and, if unable, will revert to AP Mode.
- You can put Handibot/FabMo **back into AP Mode** from the Network System App on the Dashboard.

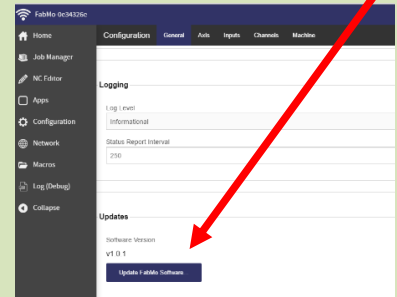


- *You can also put Handibot/FabMo **back into AP Mode** by holding down the green button on the tool for 8 seconds.

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FAQs – NETWORKS (cont)

- Once you've identified the IP address for a particular network, it will remain relatively permanent on most networks (occasional re-identifications may be needed).
- If your network has an internet connection, you can update FabMo software from the FabMo Configuration App (in left-side panel).



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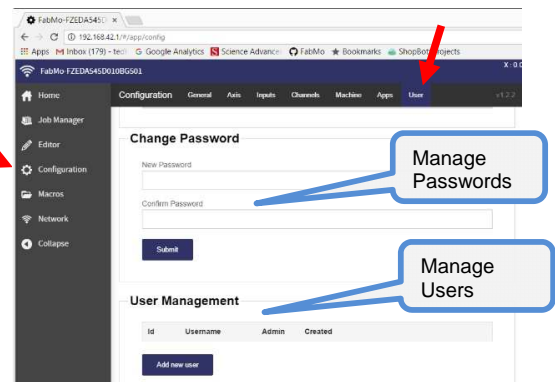
You can use *general network tools* such as WnetWatcher (Windows) or Fing (Android) to identify your tool and get its IP address, rather than the FabMo Minder, though the Minder is the most straightforward way to access your tool and not worry about things like IP addresses.

If you are familiar with it, another method is to use the administrative tools of your network router for locating your tool on the network:

When using these tools, if the Handibot name (FabMo-xxxxx) itself does not appear in the network information listing, the tool may appear as a "Murata Manufacturing" type of unit or as an "Edison" and you can retrieve its associated IP address.

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Use FabMo Configuration App to Manage Users.



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Use FabMo Configuration App to name your tool.

