



## Getting Started

### Manual Table of Contents

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Here are the Manual sections to get you started with Handibot V2:

- **Unboxing!**
- **Hooking-Up: Anchor Point (AP) ... direct link**
- **Quick Start & First Cut ... make some sawdust**
- **Hooking-Up: Network ... get wider access**

Then you'll be ready to go a bit deeper:

- Changing Your Router Bit
- Design Software
- Dust Collection Tips
- Transporting Your Handibot

*FYI, these components of the **Handibot Manual** and other specialized instructions you may find helpful are available on the web:*

[docs.handibot.com](https://docs.handibot.com)

For troubleshooting: [docs.handibot.com/TROUBLESHOOTING](https://docs.handibot.com/TROUBLESHOOTING)

2

**NOTE:** After working through the documents above use the “**Fire Up**” App, in the FabMo dashboard, every time you use your Handibot to set the x, y, and z positioning.

#### What's Next?

- Click on “Next Steps” tab in Quick Launch app for included apps or download apps.
- Go to [handibot.com](https://handibot.com) for videos of projects and uses.
- Design your own project using VCarve Pro.
- Follow “The News”
- If you're ready to put your tool on a network, have a look at the document, Hooking-Up: Network



## Unboxing!

1

Congratulations on your new Handibot! We know you're excited, but please read through these instructions before going any further.

To run your Handibot you'll need a **Wifi-enabled device**...a computer, phone or tablet...with a current web browser. FabMo currently supports **Google Chrome** (our favorite!), Firefox, and Safari (not Internet Explorer).

2

Open the box and remove the foam packaging and any small items.



3

The sticker below provides the software codes for vCarve Pro ShopBot Edition. Keep this code in a safe place.



To obtain your CAD/CAM software visit the following link:

[http://www.shopbottools.com/partware/VCarveProShopBotEditionV8014\\_Setup.exe](http://www.shopbottools.com/partware/VCarveProShopBotEditionV8014_Setup.exe)

Log in with username: p58683822-0 and password: p@rtw)rks

4

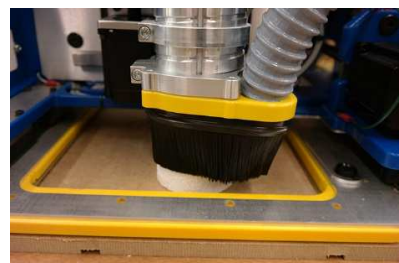
Lift your Handibot out of the box by the two yellow handles. It's 48lbs, so you might want to get someone to help you lift it out. Remember, **LIFT WITH YOUR LEGS!**



5

Set your tool on a flat surface leaving 8"+ of clearance in the back for tool motion.

Open the hood and remove the accessory bag and **Handibot Safe Use!** Manual (tucked behind the vacuum hose).



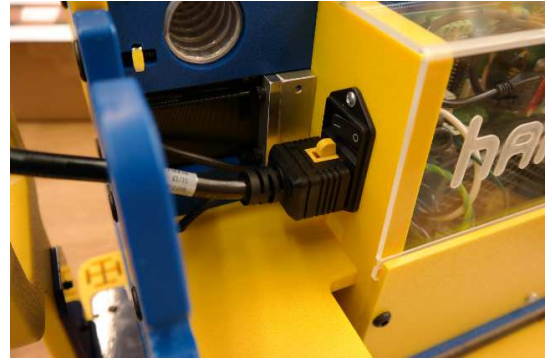
NOTE: Leave white foam donut beneath router dust skirt.

- 6 Your **Handibot Tool** comes mounted on an MDF test cut board (leave it on the board for your test cut).

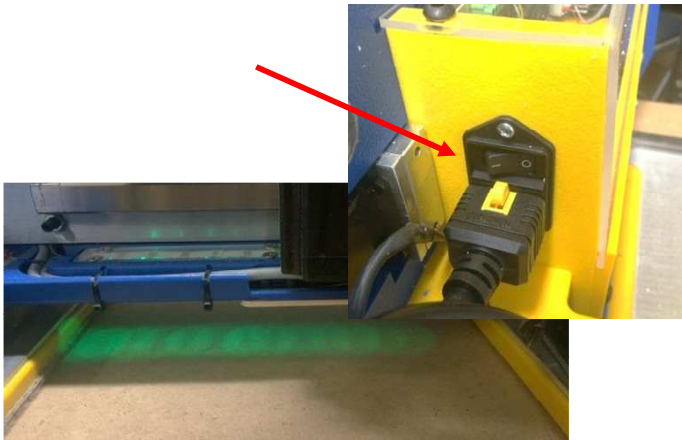
In the **Accessory Bag** is:

- Power cord
- 3-Bits: 1/8" Straight bit, 1/4" Up-cut bit and 90deg v-bit (installed in the router)
- 17mm collet wrench (for changing bits)
- 4mm T-handle hex
- Blue positioning pointer (use with optional large material jig)
- Screws and numbered parts for lumber jig

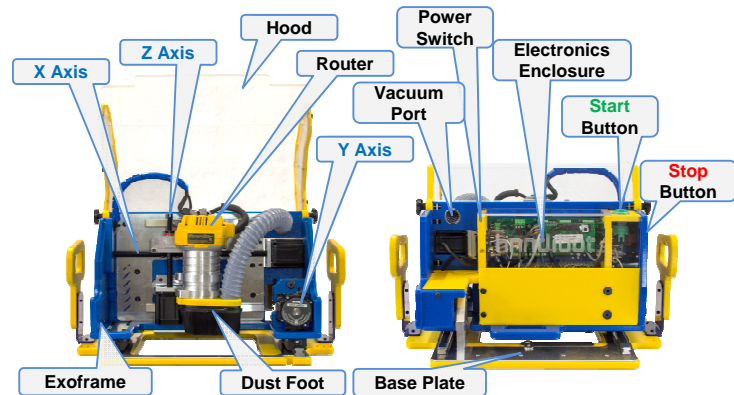
- 7 Take the power cord out of the accessory bag and plug it in securely into rear of tool. Plug the other end into a power source.



- 8 Turn **ON** the power using switch above the cord on the back of your handibot. Green lights should come on underneath the tool.



- 9 While your Handibot takes a few minutes to start up, note the location of some important features of your tool:



- 10 - Start up the device that you'll be using to operate your Handibot.

- Leave your tool **On** and go to the next section of the manual:

### Hooking-Up: Anchor Point Mode





## Hooking-Up: ANCHOR POINT

Wireless direct link to your Handibot

1

### HANDIBOT CONCEPTS

#### There are 2 Types of Hooking-Up!

- Two ways you can **wirelessly** link your Handibot 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.
    - it's off-line, no network or router needed
    - always available to you
    - used in setting up a network connection
    - IP address is defined (192.168.42.1)
  2. Networked mode wirelessly links over your local **network**.
    - lets your device access other resources
    - allows internet access, FabMo updates
    - IP address must be determined

2

### HANDIBOT CONCEPTS

There are 2 Types of Hooking-Up!

#### 1. Anchor Point (AP)



#### 2. Networked



3

#### These instructions are for Method 1, Hooking-up in ANCHOR POINT (AP) Mode

- For a lot of Handibot work you will **only need to be directly linked** to your your Handibot from your device.
- Anchor Point mode provides a **direct connection you can use anywhere**, even when no network or Internet is available -- such as on a jobsite.
- And, Anchor Point mode is **used to put your Handibot on a network**.
- SO, ANCHOR POINT here we come ...**



4

There is **one thing that will be helpful** in preparation for Anchor Point and will be even more useful later for Networked mode linking.

- It is a **method** to *identify your tool's IP address* and open the its software, once you've made a link. Let's get what you need...

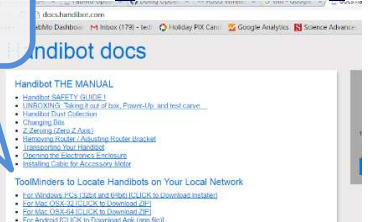
5

A FabMo Minder App for your device will give you a method for *identifying* your Handibot and opening the software.\*

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.

\*If you can't install a FabMo Minder right now, we'll give you an alternative. The Minder is the convenient method.



6

**OK ... Now we're ready to Anchor your Handibot!** [Your tool should still be ON]

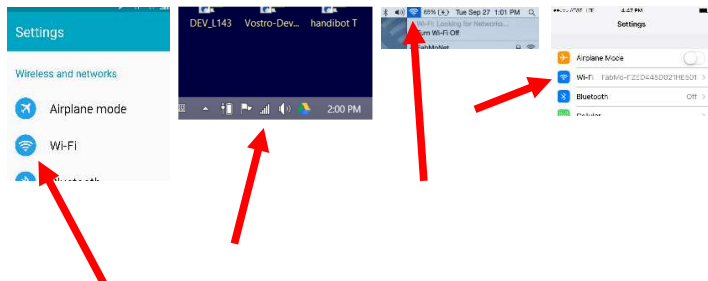
Open the **WiFi manager** or **Network manager** on your computer or device.

On Android

On Windows PC

On Mac

On iOS



7

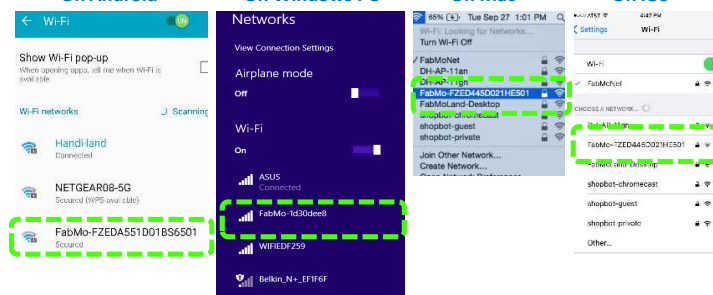
Your Handibot will appear in the list of available networks as: **FabMo-xxxxxxx**

On Android

On Windows PC

On Mac

On iOS

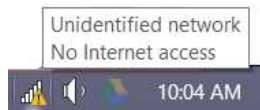


Link into your Handibot's AP mode as you would to a Wi-Fi network.

Use the password: **go2fabmo**

8

After your device's network manager connects to your Handibot it will probably say something like: Unidentified network, No Internet Access".



That's OK because we took your device off the internet to give **you a direct link** right into your Handibot – Anchor Point (AP) mode access.



**AP mode** is the linkage that **we will use to set-up and test** your tool. Your tool **can always fall back to AP mode** (good for job sites, etc...). You also will put your tool on a network from AP Mode.

9

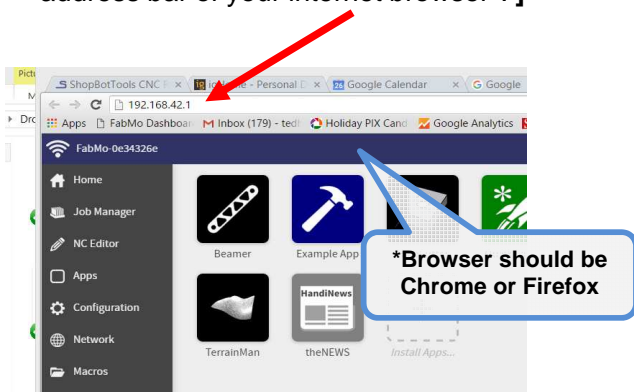
Start your **Tool Minder** and in a minute or so, your tool's software interface should appear.



Clicking the Green Icon will take you to your tool's software

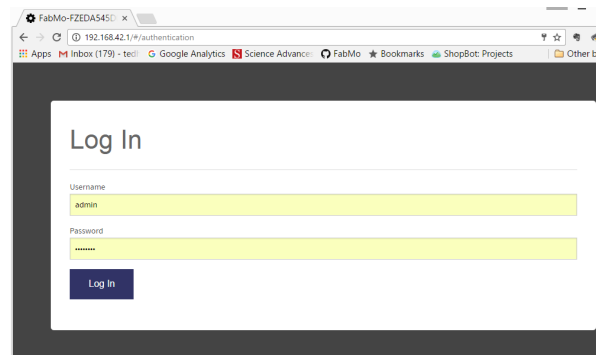
10

**[ ALTERNATIVELY** you can get to your tool's software by entering "192.168.42.1" in the address bar of your internet browser\*. ]



11

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**

We call the software platform on which your Handibot runs, **FabMo**.

And we call the software interface in the browser that you are now viewing, the **Dashboard**.



**At this point** you could continue to the instructions for putting your tool onto a network if you have grown anxious about being off the internet for so long ...

- **However**, we'd like to first **explore the Dashboard**, do a **quick trial run** of your tool, making a test cut -- before getting distracted with the neat network capabilities of your Handibot.

\* Please go to the next section of the manual for the **Quick Start and Test Cut**.



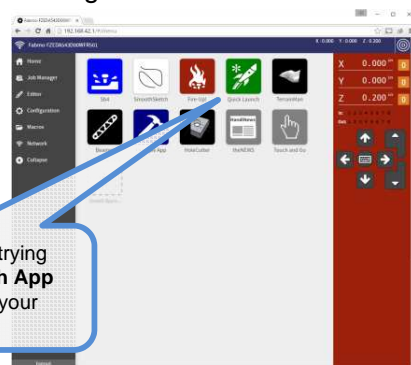


## Quick Start & First Cut!

PLUS, setting up a jig ...

1 You should have arrived here after Hooking-Up with your Handibot in **Anchor Point (AP)** mode.

This is your Handibot's **Dashboard**! It might look a little different depending on the device and browser you're using.



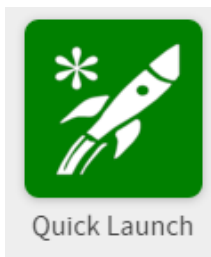
2 Be sure to close the hood before you begin any cuts.



3 We'll be doing a test cut next, which won't generate a lot of dust. But, if you have a shopvac, you can insert a 1.25" hose into the dust port in the back of the Handibot.



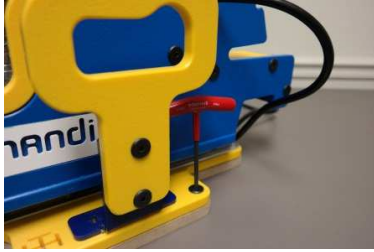
4 Now let's try out your Handibot and do a test cut by clicking on the green **Quick Launch** App in the FabMo dashboard. Follow the in-app instructions before returning to this guide.



5 Hopefully **Quick Launch** got you started on understanding how your Handibot works, and you were able to make your first cut ...

*FYI, these instructions and other parts of the **Handibot Manual** are available on the web: [docs.handibot.com](https://docs.handibot.com)*

- 6 When you've finished the test cut, turn off the Handibot and use the T-handle wrench supplied with the Handibot to remove the two bolts at the rear holding the wooden baseplate to your Handibot.



Refer to "Lumber Fixturing Jig" in [handibot.docs.com](http://handibot.docs.com) to use the base as a useful Handibot accessory along with parts included in the accessory bag.

- 7 NOTE: Use the "Fire Up" app, in the FabMo dashboard, every time you use your Handibot to set the x, y, and z positioning.

### What's Next?

- Click on "Next Steps" tab in Quick Launch app for included apps or download apps.
- Go to [handibot.com](http://handibot.com) for videos of projects and uses.
- Design your own project using VCarve Pro.
- Follow "The News"
- If you're ready to put your tool on a network, then have a look at the next document, [Hooking-Up: Network](#)

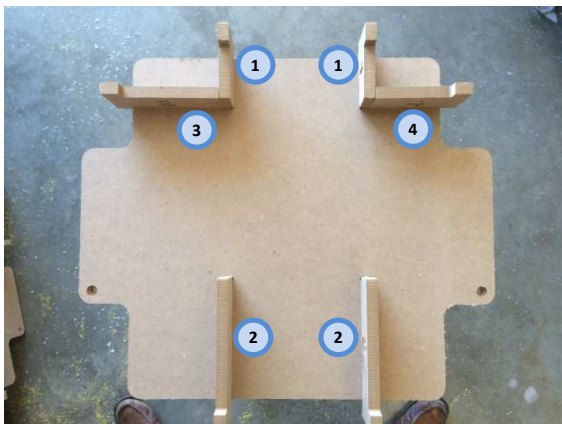
- 8 And, Wait! Before you throw out the MDF board that came bolted to your handibot—there's one more use for it! With a few steps you'll have a stand for your handibot that also works as a fence for cutting on long boards!



- 9 Locate the L shaped pieces with numbers carved on them.



- 10 Slide them into place in the slots as shown.



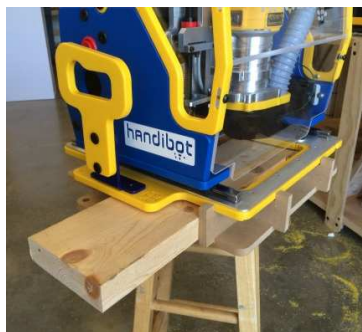
- 11 Hold the L shaped pieces tight while driving screws through the base to hold them in place.





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Now you've got a simple jig for holding 6 and 8 inch boards!





## Hooking-Up: NETWORK

Wireless linking to your Handibot on your local network

### 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.

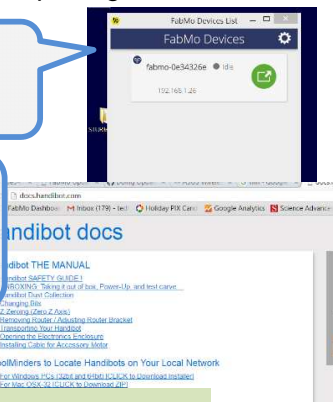
\*These instructions assume you will be initially hooked-up in Anchor Point (AP) mode in order to set-up the network link (previous instructions).



### 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.

1

## 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).
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    - 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

3

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

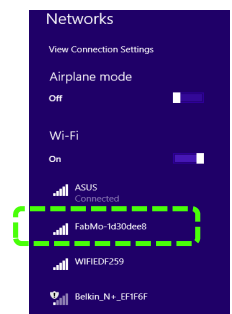
1. You will need to **know** the *name* of your Wi-Fi network and the *passphrase* to log onto it. (You cannot currently log onto networks that require entering an individual *username*.) Make sure you have those handy.
2. And, you will need to have a **method** to *identify the IP address* for your 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)

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.



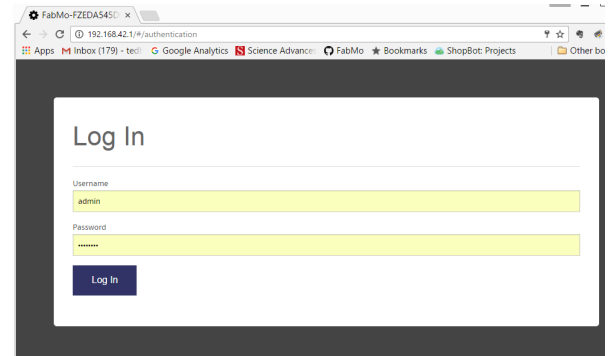
Link into your Handibot's AP mode as you did in the previous **Hooking Up: AP Mode** instructions.

**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.

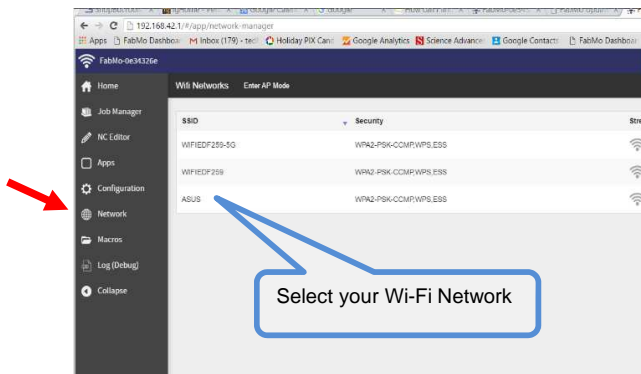


Initially log in with:

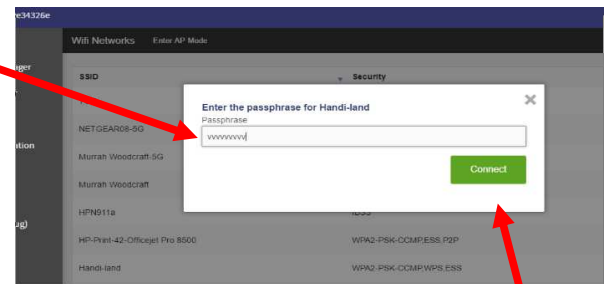
Username: **admin**

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.



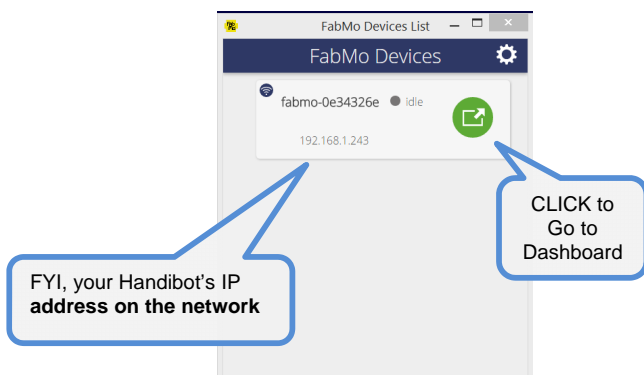
- 9 Enter network *passphrase* and hit Connect ...



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

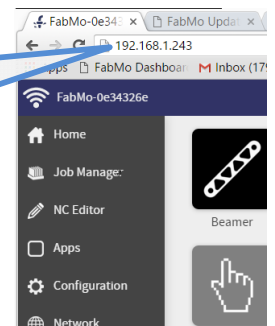
*And then, ta-da, your Handibot should appear again in a minute in the FabMo Minder!*

- 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.

Enter the IP address into your browser to Open the Dashboard. You may want to bookmark it.

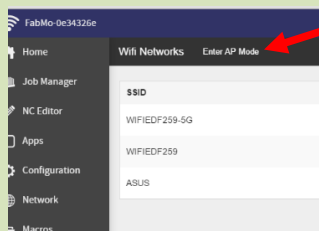


*Now on the network, you will be able to **access the internet** to transfer your jobs, download projects, and update software!*

12

## 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.

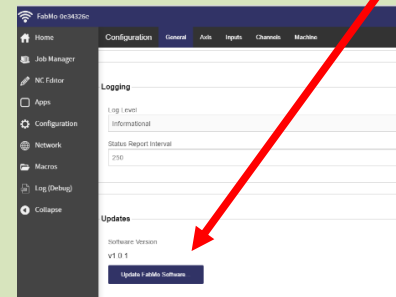


- \*You can also put Handibot/FabMo **back into AP Mode** by holding down the green button on the tool for 8 seconds.

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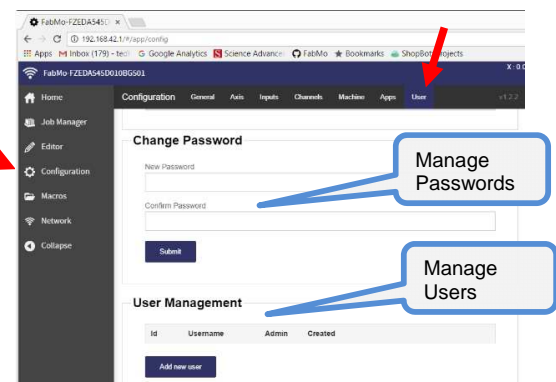
You can use *general network tools* such as WnetWatcher (Windows) or Fing (Android) to identify your tool and get its IP address, rather than the FabMo Minder, though the Minder is the most straightforward way to access your tool and not worry about things like IP addresses.

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.

