Welcome! We’ve been expecting you.

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meet Fawkes
welcome to Fawkes

Congratulations! In your procession is Fawkes by anonabox, a portable wireless Tor router. Tor is an effective tool at masking your IP address to protect your privacy and anonymity while browsing online. Additionally, use the Fawkes by Anonabox to access the Deep Web, bypass Internet censorship, deter hackers, avoid big data collection, and so much more. Its portable and wireless design provides all the benefits of using Tor in an easy to use package even when leveraging open public WiFi networks. Whether you’re a novice or a sophisticated Internet user, you’ll find Fawkes easy to use, intuitive and an indispensable privacy tool.

what is Tor?

Tor provides many of the same privacy benefits as a VPN, but routes your traffic over a series of volunteer maintained relays all over the world in a random fashion. This routing is an effective means of masking your IP Address, which can be used to fingerprint your Internet traffic. When used properly, Tor, and Fawkes, is a powerful privacy tool. Using Tor also provides access to .Onion domains, also known as the Deep or Dark Web.

For more on and Tor, please visit our website: https://www.anonabox.com.
Fawkes at a glance

- WAN Port (Uplink)
- Micro USB (Power)
- Status Indication LED
- Device Reset Port
- LAN Port
what’s in the box

micro usb power cable

Fawkes by anonabox

what you need

**Standard Ethernet cable (recommended)** WAN + LAN Connections are available through Ethernet connections. With WiFi uplink, connections can be completely wireless, but we recommend carrying an Ethernet cord for easy and direct access to the User Interface and for added security.

**An available USB port** to power anonabox.
getting started
setting up your Fawkes

Fawkes is a portable, WiFi–enabled Tor router. This innovative device will provide privacy in a flexible hardware package. You can connect to a wide range of WiFi devices, or directly through an Ethernet LAN connection. For the novice and professional alike, we’re sure you’ll love your Fawkes. Let’s get started!
STEP 1 GETTING STARTED

Plug in your Fawkes into your computer, or other USB ports, using the provided USB power cord. Other power cords may not be compatible. The Status Indication LED will blink while power is supplied.

Troubleshooting

Returning Users: If your anonabox does not seem to stay on, try utilizing an Ethernet LAN connection, or using the reset button (located next to LAN port). Be sure to only use the supplied power cable.
Connect to the Fawkes

OPTION 1: LAN Connection (Recommended. For WiFi Skip to Option 2)

+ Connect the Fawkes to your device with an Ethernet cable via the LAN port.

OPTION 2: Wireless WiFi Connection:

+ Make sure your device’s WiFi is active and select anbx-fawkes from available WiFi networks.

* You will not have general Internet access at this point if connecting wirelessly and/or haven’t saved Internet settings.
STEP 2  ACCESSING THE USER INTERFACE

+ Open a web browser and go to http://192.168.11.5:1605 to find the Welcome Screen. Navigate back to the Welcome Screen at any time by clicking on the Anonabox logo in the upper left corner of the page.

OPTION 1: Returning Users (New Users Skip to Option 2):
+ Use the ‘Advanced’ tab and you will login with your previously selected password. You’re now in the User Interface and can move on to Step 3 (Pg11).

OPTION 2: New Users /After a Reset:
+ Use the ‘Setup’ tab and select ‘Login and Set Admin Password.’
+ You’ll see a yellow box indicating that you do not have an admin password. Click login with a blank password field.
setting up your Fawkes (contin.)

Set Admin Password (Recommended)

+ Use the ‘System’ tab and select ‘Administration’.

+ **Admin password.** Choose a new password using a combination of letters, numbers, and characters for best security. Make sure you remember this! If you ever forget it, you will need to reset the device to regain access.

+ Click ‘Save & Apply’. A spinning wheel will briefly appear while your changes are applied to your device.

For future navigation from the welcome page, use the ‘Advanced’ tab for quick access to the User Interface for additional configuration steps.

Congrats! You’re now password protected and in the User Interface. Continue onwards to Step 3. (Pg 11)
STEP 3  CONFIGURE WIFI (RECOMMENDED)

+ From the User Interface, use the ‘Network’ drop down and select ‘WiFi’.

![Network dropdown](image)

Set WiFi Network Name (Optional)

+ Click the ‘Edit’ button to the right of the SSID anbx-fawkes listed in the ‘Wireless Overview’ section.

![Edit button](image)
setting up your Fawkes (contin.)

+ Move down the screen to the ‘Interface Configuration’ section.
+ Under the ‘General Setup’ tab you’ll see a box labelled ESSID. Re-name the network name that your anonabox will broadcast in this field. Recommended defaults are already selected.

! IMPORTANT: Users connected wirelessly will need to reconnect to the renamed Fawkes by selecting the named network from their device’s WiFi/Air Port. You do not need to wait for the spinning status wheel to resolve.

+ Click ‘Save & Apply.’

+ Refresh page after connecting to new WiFi name.

**Set WiFi Password (Recommended)**

+ From the User Interface, use the ‘Network’ drop down and select ‘WiFi’.
+ Click the ‘Edit’ button to the right of your anonabox network.
Select the desired encryption type for your WiFi network connection. We recommend WPA-PSK/WPA2-PSK Mixed Node.

*Two additional fields will appear after selecting your encryption type. We recommend you leave Cipher to the ‘auto’ default unless you are an advanced user.

Set your new WiFi password in the box labelled ‘Key’ using a combination of letters, numbers, and characters for best security. Make sure you remember this!

Click ‘Save & Apply.’

**IMPORTANT:** Users connected wirelessly will need to reconnect to their Fawkes by selecting the named network from their device’s WiFi/Air Port. You will be prompted for your new password. You do not need to wait for the spinning status wheel to resolve.

Now that you have configured your wireless network settings, it’s time to connect to the Internet. Continue onto Step 4. (Pg 14)
STEP 4 CONNECT TO THE INTERNET

Returning Users, Your Fawkes will automatically implement any saved settings, including connecting to saved WiFi connections that are enabled and within range. Check the ‘Wireless Overview’ page for current connectivity or follow these steps to connect to a new wireless network.

**IMPORTANT:** Read ‘Maximize Portability’ in the ‘Tips & Troubleshooting’ section following the setup guidelines. (Pg 22)

**PRIVATE BROWSERS:** We recommend using a private browser window for best results. Private browsing is a user-specified mode available within most commonly used web browsers. A quick Internet search should provide adequate instructions for accessing this mode if you are unfamiliar.

**OPTION 1:** Ethernet WAN (For WiFi LAN Uplink, Skip on to Option 2) (Pg 15)

- Use an Ethernet cable to connect to an existing router or Internet connection using the WAN port on your Fawkes.
Open a private web browser to confirm you have an Internet connection.

Congrats, you’re connected to the Internet! Proceed on to Step 5. (Pg 19)

**OPTION 2:** Setup WiFi Uplink and Connect to WiFi Internet

+ From the User Interface, use the ‘Network’ drop down and select ‘WiFi’.
+ From the ‘Wireless Overview’ Page, click the ‘Scan’ button to find wireless networks that are within range.

**Wireless Overview**

+ Select the desired network you’d like to connect to by clicking the appropriate ‘Join Network’ button.

**Join Network: Wireless Scan**

+ Make sure the ‘Replace Wireless Configuration’ box is unchecked.
setting up your Fawkes (contin.)

+ Specify the ‘WPA pass phrase,’ AKA password, specific to the network you are joining.

  *The data shown in the ‘Interface Configuration’ section is auto-populated. Do not change this information or you will not connect successfully to the wireless network you’re joining.*

+ Click ‘Submit’ at the bottom of the page.

+ Review the ‘Network Info’ and Click ‘Save and Apply.’

Confirm Internet Connectivity

OPTION 1: LAN Connection (For WiFi Skip to Option 2) (Pg 18)

+ You’ll automatically be taken back to the ‘Wireless Overview’ page when using an Ethernet LAN connection. You’ll see the wireless connection you’ve configured and should see a positive status. Open a private web browser and verify Internet connectivity.

  If Internet connection is confirmed, proceed on to Step 5. (Pg 19)

Troubleshooting

+ Use the ‘Network Dropdown’ and select ‘WiFi’.

+ Click ‘Edit’ to the right of the connection you’re configuring.
Under the Interface Configuration Section, **click on the ‘Wireless Security’ tab.**

Confirm and/or re-enter the appropriate password for the Internet connection in the field labelled ‘Key’.

**Click ‘Save & Apply’ and re-check connection.**
OPTION 2: WiFi Connection

- Reconnect to your Fawkes by selecting the named network from your device’s WiFi/Air Port. You do not need to wait for the spinning status wheel to resolve.
- Open a private web browser and verify Internet connectivity.

Troubleshooting

If your device’s WiFi/Air Port no longer shows your Fawkes, or you are unable to reconnect to the Fawkes, there may have been an error when configuring the Internet connection. You will need to use an Ethernet cable to connect your device to the Fawkes via LAN or perform a hard reset to access the User Interface. See Option 1 for LAN troubleshooting. A hard restart will reset the device to defaults, and all steps will need to be performed again.

IMPORTANT: Read ‘Maximize Portability’ in the ‘Tips & Troubleshooting’ section following the setup guidelines. (Pg 22)

Congrats! You’re connected to the Internet. But wait, don’t you want to run Tor? Continue to Step 5 to configure Tor. (Pg 19)
STEP 5  CONFIGURE TOR

⚠️ All users will need to activate Tor if this feature is desired. The Tor firewall within the Fawkes is not maintained after a reboot or power interruption. We recommend re-checking to ensure Tor is active before proceeding to use the Internet.

+ Use the ‘Services’ tab in the User Interface and select ‘Tor’

+ Click ‘Restart Tor’ or ‘Start Tor.’

*Connecting to Tor may take up to 2–5 minutes, depending on the current status of the Tor network.*
setting up your Fawkes (contin.)

+ Check if you’re connected to Tor by navigating to https://check.torproject.org/
  You should see this screen:

```
Congratulations. This browser is configured to use Tor.
Your IP address appears to be: 93.213.88.201

However, it does not appear to be Tor Browser.
Click here to go to the download page
```

Please refer to the Tor wiki for further information about using Tor safely. You are now free to browse the Internet anonymously. For more information about this exit relay, see Atlas.

*You can also verify your connection to Tor by using the ‘Status’ tab in the User Interface and select ‘Tor’. Under Tor Circuit Status, you should see something like this:

```
Tor Network Status
Tor Restart
Refreshing in 15 seconds: .....  
Connected to the Tor network
0.2.5.12 ; recommended
```

+ Disconnect the same way, but click ‘Stop Tor’.
tips & troubleshooting
FAQ/troubleshooting

Seeing the welcome page, but can’t access the User Interface? Your browser has likely cached this page and you’ve lost your connection to the Fawkes. If the device does not show as an available network and has power, you will need to connect the Fawkes to your device via LAN or force reset. **NOTE:** if daisy-chained, or if the Fawkes was connected via LAN to another device, try unplugging this connection to see if the WiFi appears as an available network in the next 60–90 seconds.

More FAQs may be found online at anonabox.com.

Maximize Portability

If you plan on utilizing Fawkes’s portability, it’s important to know that Fawkes will remember previous WiFi configurations. This is useful if you frequent certain locations, but it can also hinder quick access if you leave an old configuration active. Follow these easy steps to make future access to your Fawkes easy and quick.

+ **Before powering down the Fawkes, use the ‘Network’ tab and select ‘WiFi’.**
+ **From the ‘Wireless Overview’ screen, find the network you’re currently connected to and click ‘Disable’.**
+ **Save your favorite Internet connections in the same manner. Remember to disable any other connection you may have before reconnecting to a saved Internet connection.**
+ **Reconnect by clicking ‘Enable’ when you are back within range of this network.**
**NOTE:** If you do not disable your network connection before powering down, the Fawkes will default to this last configuration. If you are unable to connect to this Internet connection when you try and use the Fawkes thereafter, the Fawkes will not broadcast a WiFi network signal and you will be required to access the User Interface via a LAN Ethernet connection, or will be forced to reset the device to connect wirelessly. If you plug your Fawkes in and do not see an active indicator light at start-up, this may be a sign that your previous configuration could not be reactivated. We advise getting in the habit of disabling your Internet connections and carrying a small Ethernet cable.

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**Update Firmware**

We are continually working to keep the Fawkes up to date of any potential security risks and are always looking to develop additional features and streamline your user experience. New users should follow these steps immediately. To stay abreast of our updates and ensure the best security and user experience, we recommend you periodically check our website for firmware updates.
Go to anonabox.com/Updates.

Select your anonabox (Fawkes).

Read the information and default to instructions online for the latest updates.

Updates usually require you to download the firmware to a computer.

Connect to the Fawkes User Interface through the computer that you’ve downloaded the updated firmware.

Use the ‘System’ tab and select ‘Backup/Flash Firmware.’

Unselect ‘Keep Settings’.

Use the ‘Choose File’ button and select the firmware file you downloaded. Click ‘Flash Image’.

Please be patient and give the update 3-5 mins to complete.

**Re-establish a WiFi LAN access point**

There are many reasons you may find yourself in need of a new LAN access point. If you have lost the WiFi LAN connection and don’t have an Ethernet cable, we recommend resetting the Fawkes. Otherwise you can proceed as outlined:

Connect via LAN connection with an Ethernet cable to your device. This allows direct access to the User Interface when issues may make connecting wirelessly difficult or impossible.

From the User Interface, use the ‘Network’ drop down and select ‘WiFi’.

Click the ‘Add’ button above any networks in the status section.

Name your network in the ESSID field.

Make sure ‘Access Point’ is selected in the ‘Mode’ drop down.

Select the LAN box in the ‘Network’ field.

Click ‘Save & Apply’.
Other Troubleshooting

+ anonabox.com is a great resource for common issues. Check here regularly.

+ Carry an Ethernet cable for connection via LAN. This provides you direct access to the User Interface in case configuration issues disallow access wirelessly.

+ Reset button. Seriously, this might be your best troubleshooting tool. Unfortunately, restoring defaults and any configuration will need to be redone. Depressing the button for 5-10 seconds should suffice.

+ Email us at info@anonabox.com.

Filesharing and USB Port Use
Uses for the included USB port are truly endless. As such we can not provide documentation for all possible uses. If you are interested in some of the possible uses for this feature please visit our website for the current documentation on how to utilize this advanced feature. If you’re interested in using the USB device for a particular purpose and you can not find adequate support on our website, please feel free to email us at info@anonabox.com. We will try and assist you as best as we can. To you get started:

+ Plug-in your USB device into the USB port.

+ Use the ‘System’ tab and select ‘Mount Points.’

+ Click ‘Add’ and select your device.

+ Reboot the Fawkes if you have any connectivity issues.
delcaration of conformity (FCC)

This Device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not use harmful interference, and, (2) This device must accept any interference received, including interference that may cause undesired operation.

delcaration of conformity (Europe)

Hereby, anonabox.com, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC.

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