

FDB-22 V3.s - Filament consumption counter

Get Started - Connect to Wi-Fi

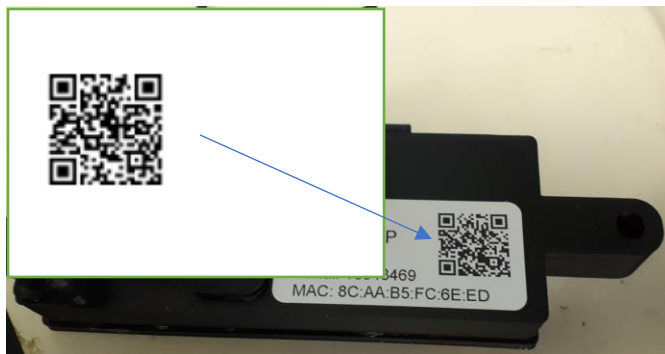
Step 1

Plug in the power adapter and wait for the unit to start



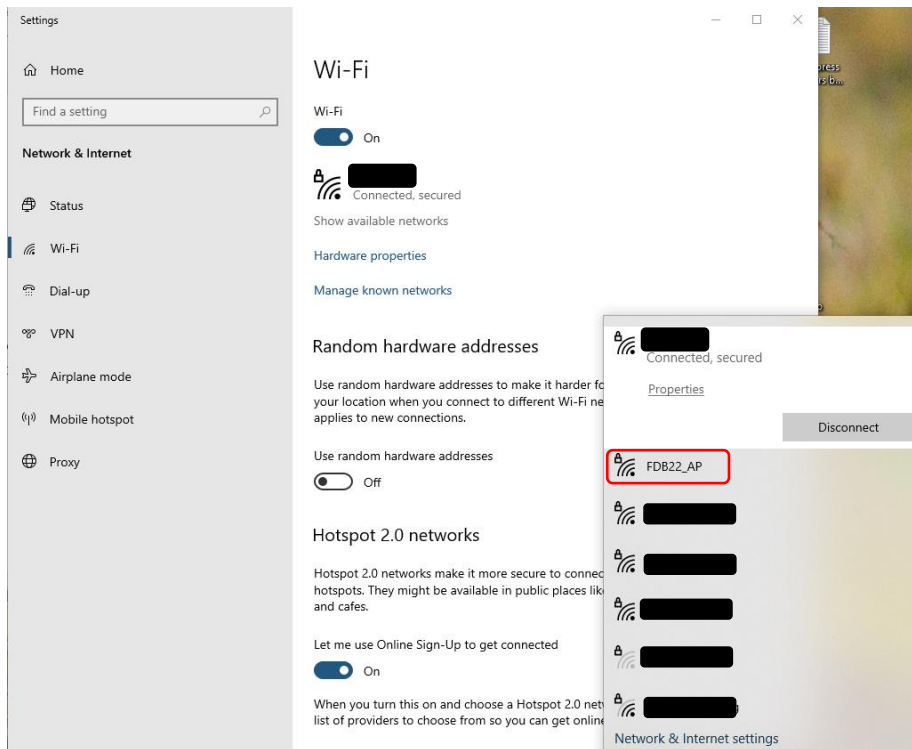
Step 2

Scan the QR code to connect to the device:

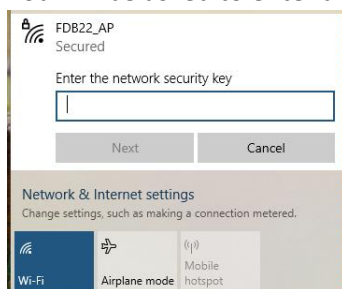


If you are unable to scan the barcode, follow the instructions below:

On your computer, open the available Wi-Fi connections ("Show available networks").



Find the access point of your device: **FDB-22_AP** and click to connect it.
You will be asked to enter a password:



The password can be found on the sticker sent with the device.

Step 3

The page below will open automatically:

If the page does not open or is empty, please refresh it or scan the following QR code:



http://100.100.100.1

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Device: FDB-22 - Serial: - MAC Address: BC:FF:4D 9

Refresh this page if your router is not in the 'Connect to' drop-down list.

Connect to: Password:

Wi-Fi: - not connected

AP: **FDB22_AP**

Direction of subtraction: ☒ CCW ☐ CW

Encoder Coefficient:

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Note: You can only connect to a **2.4 GHz** wireless network, **not 5 GHz**.
Refresh the page if your wi-fi network is not listed.

Choose your router, enter your Wi-Fi password and click on the Submit button.

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Device: FDB-22 - Serial: [REDACTED] - MAC Address: BC:FF:[REDACTED]:79

Refresh this page if your router is not in the 'Connect to' drop-down list.

Connect to: Password:

Wi-Fi: - not connected

AP: FDB22_AP

Direction of subtraction: ☒ CCW ☐ CW

Encoder Coefficient:

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The following page will open:

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Please wait. The device will apply the changes after the reboot.

You will be redirected to the database login.

If you already have a open account, please login and add your new device.

If you don't have account, click to 'Create account' and enter your device serial number and complete form.

Veillez patienter. L'appareil appliquera les modifications apres le redemarrage.

Vous serez redirige vers le login de la base de donnees.

Si vous avez deja un compte, veuillez vous connecter et ajouter votre nouvel appareil.

Si vous n'avez pas de compte, cliquez sur 'Create account', entrez le numero de serie de votre appareil et remplissez le formulaire.

Por favor, espere. El dispositivo aplicara los cambios despues del reinicio.

Se le redirigira al inicio de sesion de la base de datos.

Si ya tiene una cuenta, inicie sesion y anada su nuevo dispositivo.

Si no tiene una cuenta, haga clic en 'Create account', introduzca el numero de serie de su dispositivo y rellene el formulario.

You need an internet connection to continue. If your laptop, PC or cell phone is not automatically connected, change Wi-Fi to access the Internet. This page will wait 3 minutes before continuing.

If you have access to the Internet, you can click on the 'Continue now' button below.

CONTINUE NOW

Make sure your Internet connection has been re-established and click on the Continue Now button.

The database connection will be opened:


LOGIN to Filament database

Email

Password

Login

You do not have an account?
Click on: [Create account](#)



Printer	Ender 3
Filament ID	1
Type	PLA
Color	
Brand	PolyLite Polymaker
Seller	Amazon.ca
Price	33.46
Rating	4
Current length	279.823
Consumption	0.408
Last run-time	2022-04-12 17:03:14

STOPPED

Activity monitor

MySQL filament database online

Item	Description	Unit	Price	Current length	Consumption	Last run-time
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14
PLA	Polylite Polymaker	kg	33.46	279.823	0.408	2022-04-12 17:03:14

MySQL filament database online

Current length

279.823

Consumption

0.408

Last run-time

2022-04-12 17:03:14

Optimized for Ender 3

You must enable cookies to log in to your account on this server.

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If you are using this database for the first time, click on the link: 'Create account'

You must fill in all the required fields (see next image).

Alternatively, if you have an account, log in to your account and add the new device to the Account page.

Filament database - New Account

Please contact us if you wish to access the site without equipment.

Counter serial#

Your Name or Company name

Location

Country

Your Email

Choose Password

Retype Password

Rule for opening a new account:

- If you have a counter serial number, you are already known to the system and just fill in the boxes and apply.
- If you want to use the database only without the device, you must enter a valid e-mail address, otherwise you will not be able to confirm the account opening.

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Step 4

To connect to database, go to: <https://fdb-22.opcnet.com>

Enter your created credential and click on the Login button.

The screenshot shows the FDB-22 application interface. At the top, there is a navigation bar with the ATQ Int. logo, a 'Filament inventory' section with a 'Test' button, and user links for 'My_Account' and 'Log_out'. Below this is a table header with columns: Filament ID, Filament Type, Color, Brand, Manufacturer Part, Seller, Price, Date Of Purchase, Nozzle, Full kg, Full m, Bed temperature min, Bed temperature max, Printing Temperature min, Printing Temperature max, Fan, User, Printer, Model, User Print. The main form is divided into two sections: 'Manufacturer data' (left) and 'User data' (right). The 'Manufacturer data' section includes fields for Filament ID, Filament Type, Color, Brand, Manufacturer Part, Seller, Price, Date Of Purchase (YYYY-MM-DD), Gauge (1.75), Nozzle (0.4), Full coil (in kg) (1), Full coil (in meters) (335), Bed temperature min °C, Bed temperature max °C, Printing Temperature min °C, Printing Temperature max °C, Fan (On/Off) (ON), Printing speed min (mm/s), and Printing speed max (mm/s). The 'User data' section includes fields for Printer Model, Print Temperature °C, Bed Temperature °C, Print Speed (mm/s), Quality rating (5 stars), Comment, and Filament Current length (m) (335). There are buttons for 'Add new', 'Submit', 'Current consumption', 'Current consumption monitor', and 'Consumed'.

When you use the application for the first time, your database should be empty.

You can start entering your inventory by clicking on the "Add New" button.

This is a close-up of the 'Add new' button and the form fields. The 'Add new' button is located at the bottom left of the form. The form fields are organized into two columns. The left column contains: Filament ID, Filament Type, Color, Brand, Manufacturer Part, Seller, Price, Date Of Purchase (YYYY-MM-DD), and Gauge (1.75). The right column contains: Nozzle, Full coil (in kg), Full coil (in meters) (***), Bed temperature min °C, Bed temperature max °C, Printing Temperature min °C, Printing Temperature max °C, Fan (On/Off), Printing speed min (mm/s), and Printing speed max (mm/s).

The filament ID is a unique key - NUMERIC. You can enter the ID number of your stock (example: 1, 2, 3, ...).

For more information, see the filament database guide.

Once you log in, you will not be prompted to log in again from the same device unless you clear the caches or click the Log_out link.

This screenshot shows the application interface after login. The navigation bar at the top includes the ATQ Int. logo, a 'Filament inventory' section with a 'Your name or company' input field, and user links for 'My_Account' and 'Log_out'. The main form is the same as in the previous screenshot, with fields for 'Manufacturer data' and 'User data'.

ADD DEVICE

If you have an account and want to add a counter, log in to your account and click on the "My Account" link.

Account Setup	
Account number:	[REDACTED]
Full name or Company name	[REDACTED]
Country	Canada
Email address	[REDACTED] Contact us if you need to change your email
<input type="button" value="Cancel"/> <input type="button" value="Submit"/>	

Change password	
Current password	[REDACTED]
New password	[REDACTED]
Retype password	[REDACTED]
<input type="button" value="Submit"/>	

Add a new counter	
Serial number	[REDACTED]
<input type="button" value="Submit"/>	

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It is very simple. Just enter the counter's serial number (without spaces) and click on the Submit button. Your counter will be added and linked to your account. You can press the select button and choose the filament that exists in your database.

