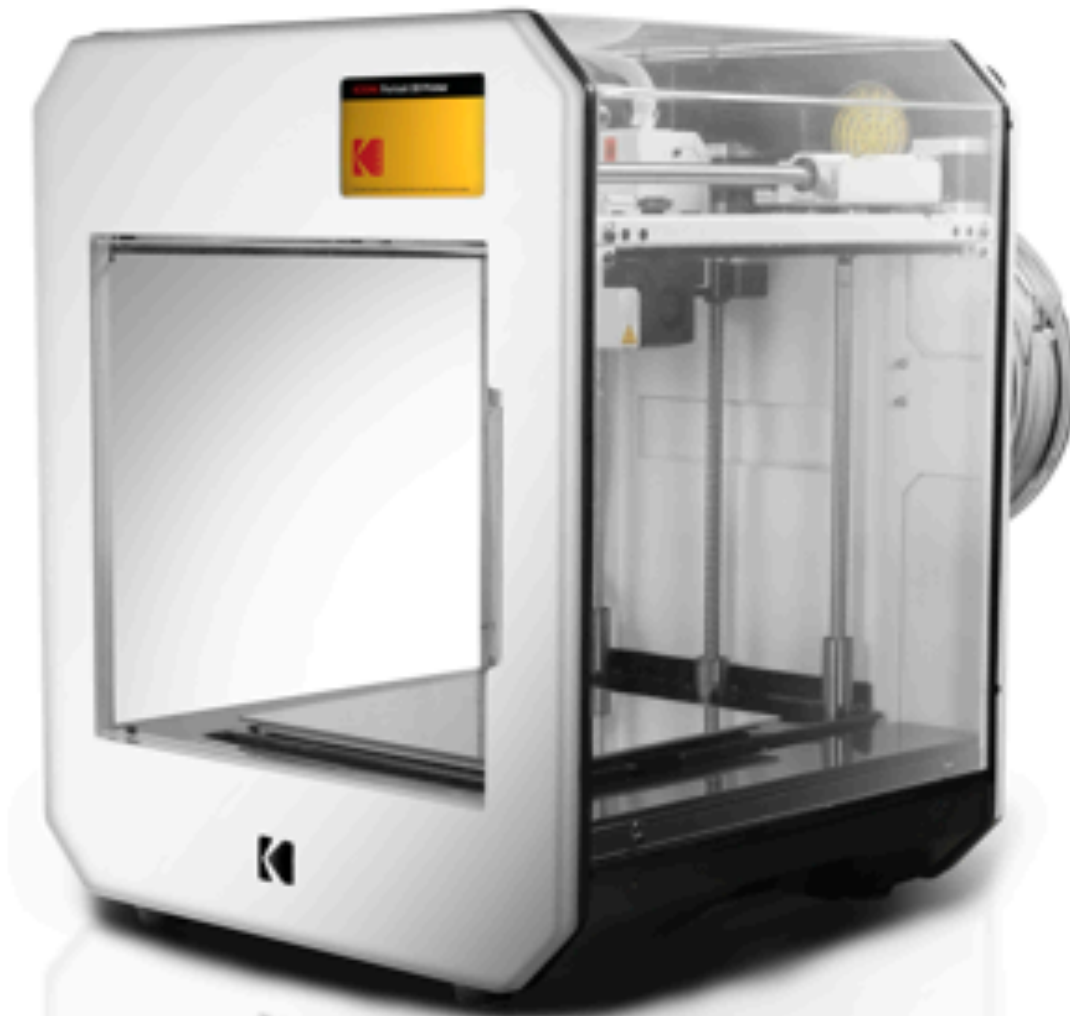# KODAK Portrait 3D Printer

User Manual

Please read all directions before using the product and retain this guide for reference.

CONTENTS

INTRODUCTION

Thank you for purchasing the KODAK Portrait 3D Printer. This User Guide is intended to provide you with guidelines to ensure that operation of this product is safe and does not pose risk to the user.

Any use that does not conform to the guidelines described in this User Guide may void the limited warranty.

Every effort has been made to ensure that the contents of this manual are accurate. However Smart International, Inc. reserves the right to make changes without notice.

You can always find the most up-to-date version of this user guide and other instructions at **support.smart3d.tech**.

This product is covered by a limited one-year warranty. Coverage is subject to limits and exclusions. See warranty for details.

WARNINGS AND SAFETY PRECAUTIONS

Refer to this user guide and take note of all safety precautions before using your 3D printer.

Warning:

- To prevent damage to the 3D Printer which may result in a fire or electrical shock hazard, do not expose the 3D Printer set to rain or excessive moisture.
- For safety, do not place vessels or any container which contain fluid including water, on or near the 3D Printer.
- Do not insert any objects in the ventilation slots.

Location:

- Place the 3D printer on a solid and flat surface capable of sustaining the weight of the 3D printer (about 25 kg or 57 lbs. including filament spools).
- Adequate ventilation is essential to prevent the 3D printer failure. Ensure that the 3D printer is placed in a position to allow a free flow of air. Do not cover ventilation opening on the bottom cover. Do not place the 3D printer in an enclosure or very close to walls or other devices.
- Avoid excessively warm locations or direct sunlight to prevent possible damages to the 3D printer.
- Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat.

Service:

- Never attempt to disassemble this product. There are no user serviceable parts.
- Only use the parts provided by the manufacturer.

Front of the 3D printer
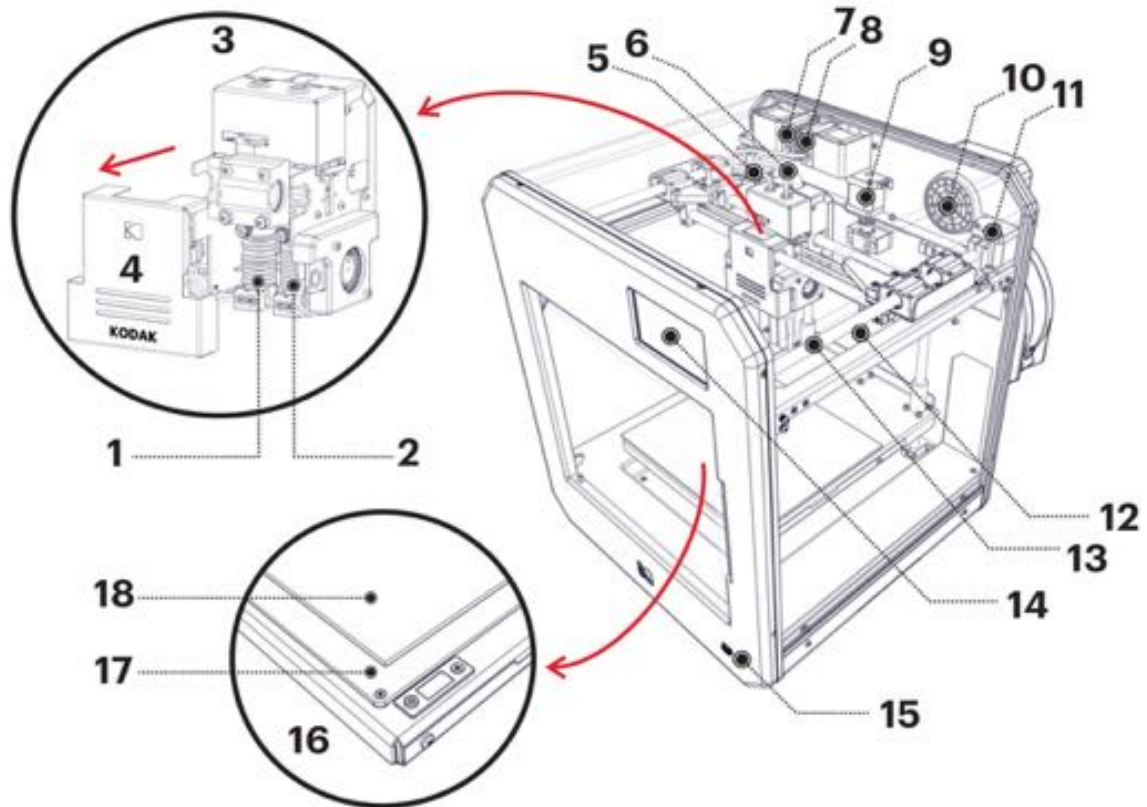
1. Nozzle II - PTFE
2. Nozzle I – All-metal
3. Print head
4. Print head cover
5. Capricorn bowden tubes
6. Print head cabling
7. Extruder II
8. Extruder I
9. Z-Axis motor
10. Air filter
11. XY-Axis motor
12. Z Ball screw
13. XY Linear guide
14. 5" full color screen
15. USB-port
16. Build platform
17. MK3 heatbed
18. Build plate

Back of the 3D printer
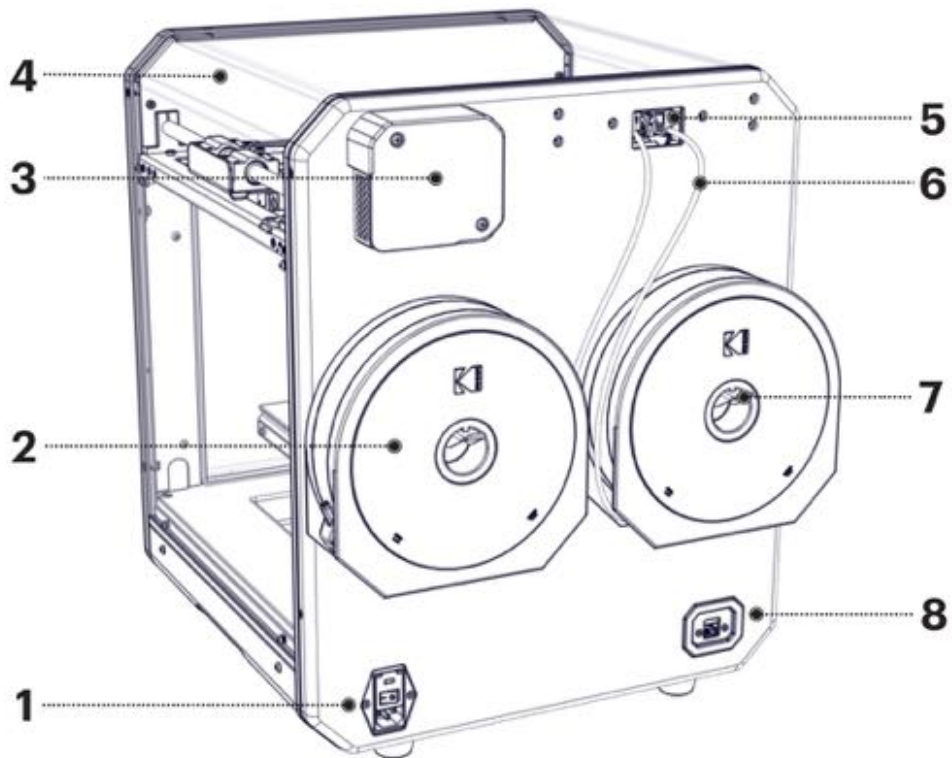
1. Power plug and switch
2. Filament case
3. Air filter blower with Cover
4. Removable cover
5. Extruders
6. Bowden tubes
7. Spool holder
8. Ethernet connection

SAFETY INFORMATION

Caution: Hot Surface.

The Hotends and the heatbed can reach temperatures above 100°C. To reduce the risk of injury from a hot component, allow the surface to cool before touching it and always use tweezers to grab the hot melted filament. The display top bar will show you the current temperatures at all times.

Caution: Moving Parts that can cause injury.

Keep the printer door closed to retain the heat for best print results. Keep hands, hair and loose clothing clear of all moving parts during printing for safety.

This equipment is not suitable for use in locations where children are likely to be present unsupervised.

Caution: Risk of Electric shock.

Connect the power cord to an appropriately rated and properly grounded electrical outlet that is near the product and is easily accessible.

Do not use this product with extension cords, multioutlet power strips, multioutlet extenders, or UPS devices under 500W capacity.

Ensure that the correct AC plug type is used, according to your location. Do not cut, twist, bind, crush, or place heavy objects on the power cord. Do not subject the power cord to abrasion or stress. Do not pinch the power cord between objects such as furniture and walls. If any of these things happen, a risk of fire or electrical shock results. Inspect the power cord regularly for signs of such problems. Remove the power cord from the electrical outlet before inspecting it.

Do not place or use this product near water or wet locations. Use the printer in a clean and dry environment, between 10°C (50ºF) and 30°C (95ºF), with low humidity.

This product is designed, tested, and approved to meet strict global safety standards with the use of specific manufacturer's components. The safety features of some parts may not always be obvious. The manufacturer is not responsible for the use of other replacement parts. Do not modify the printer's design or parts.

Make sure that all external connections (such as Ethernet) are properly installed in their marked plug-in ports.

ATTENTION: Inlet power switch uses 250V 6A fuses.

BOX CONTENT

KODAK Portrait 3D Printer

Accessories box containing:

- 1 750g PLA tough filament spool
- 1 750g PLA+ filament spool
- 2 filament cases
- 2 spool holders
- 1 glass build surface
- 1 power cable
- 1 air filter blower with cover and two screws

Toolbox containing:

- 1 Needle-nosed pliers
- 1 Tweezers
- 1 Metal spatula
- 1 Unclogging needle
- 1 Calibration card
- 1 Magnalube grease
- 1 Superlube oil
- 1 Dimafix Pen
- 1 Cloth dust cover

SETUP

Before using your 3D printer, check that all parts listed in the Box Content section of this manual are present.

Unboxing

STEP 1
Cut the external straps. Lift off the top half of the cardboard box. Remove the accessories box.

STEP 2
Remove the top foam padding and open the plastic protection bag and roll it down. With the help of another person, lift the machine and put it in place. Do not attempt to lift it alone, the printer is heavy (approximately 25,2 kg or 53,8 lbs) and could slip out of your hands and/or cause injury.

STEP 3
Remove protective film, open the printer door, and remove red labels and all six (6) shaft sleeves on axes that immobilize the print gantry during shipping.

STEP 4
Pull out the cardboard piece under the platform. Then lift up the toolkit and slide it out and finally remove bottom cardboard.

Set up for the first time - Quickstart

STEP 1
Connect the power cables from the air filter blower to the connector on the 3D printer.
STEP 2
Affix the air filter blower cover over the air filter blower using the two screws prepositioned in place.
STEP 3
Affix the two spool holder brackets using the screws prepositioned on the back of the 3D printer.
STEP 4
Place the glass build surface over the heatbed using the magnets. The glass is correctly positioned when it does not slide in any direction.
## STEP 5
After verifying the print head is free to move and the build chamber is clear of objects, plug the power cord into a power outlet and flip the power switch on the back of the unit to turn on the 3D printer. Note that the platform will lower fully and the print head will move.
STEP 6
Connect your printer to the Internet, using either an Ethernet cable or WiFi, and sign up for a free **KODAK 3D Cloud** account on **cloud.smart3d.tech** to gain access to a great deal of market-leading features using the **KODAK 3D Cloud**.

Filament case instructions
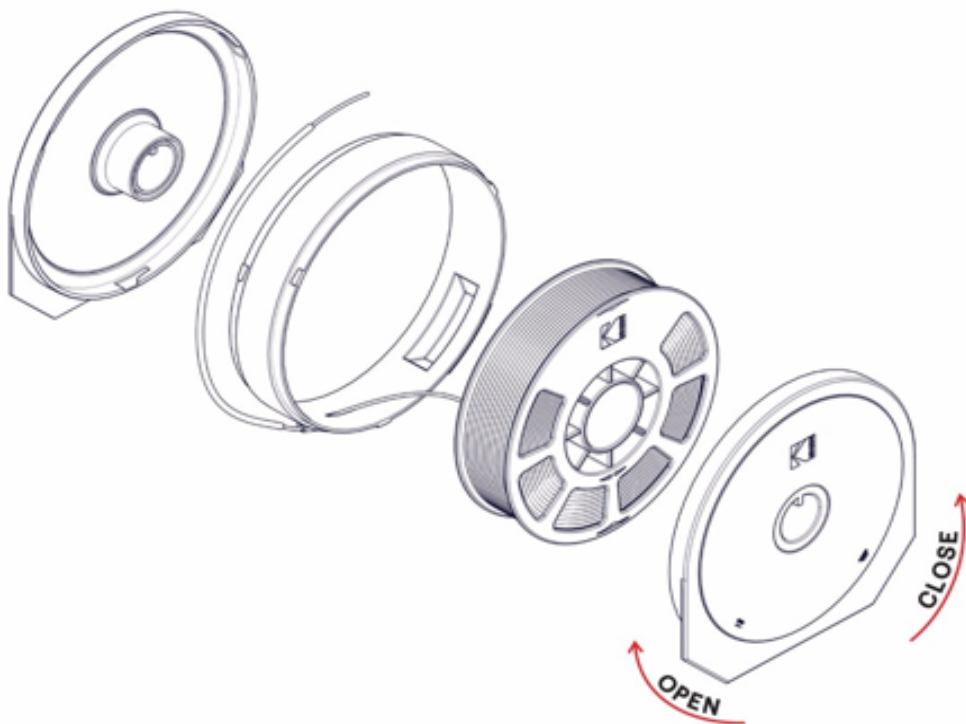
Loading filament

STEP 1

Open the airtight resealable bag containing the filament and take the filament spool out.

STEP 2

Cut the filament end on the spool.

STEP 3

Open the filament case on one side by turning it clockwise.

STEP 4

Thread the filament through the outlet on the filament case and through the white Bowden tube.

STEP 5

Load the filament case with the filament spool making sure the filament does not overlap the spool. The overlapping filament can get entangled and lead to extrusion issues.

STEP 6

Close the filament case counterclockwise.

STEP 7

Hang the loaded filament case on one of the spool holders in the back of your Portrait 3D Printer by fitting the guide in the hole of the filament case into the slot on the spool holder. The sticker on the silica gel compartment on the filament case facing out suggests which side AND extruder to use.

STEP 8

In the back of the Printer, lift the lever on the extruder while feeding the filament until you cannot feed any more.

STEP 9

On the screen, go to **Setup** » **Filaments** » **Load filament** and pick which **Material** you are going to load. The nozzle will now start to heat up and then the extruder will start to feed more filament into the Printer.

USING YOUR 3D PRINTER

Basic overview of printing

3D objects are usually downloaded from the internet or exported from a 3D design program (CAD) in the ".stl" format, which is basically a very large set of triangles defining the object's surface.

The printer needs a set of instructions on how to print objects, and these are provided in what is known as a ".gcode" file. They are the same type of instructions used in machinery like CNC mills and laser cutters. This is a small sample of gcode:

```
M104 S0 ; turn off temperature
M140 S0
G28 X0 Z0 ; home X and Z axis
M84     ; disable motors
```

In order to generate ".gcode" files from the ".stl" files you need to use a *slicer* program. You process the STL file and make a GCODE file, which you send to the printer as a print job. You can use any properly configured slicer program with your **KODAK Portrait 3D printer**, but we strongly recommend that you use our **KODAK 3D Slicer**, which already has all the optimized presets you need.

> You can download a **KODAK 3D Slicer** desktop slicing program from **support.smart3d.tech**

Better yet, connect your printer to the internet and use our **KODAK 3D Cloud** to prepare and slice objects there. They will be finely tuned to your printer, without the need to install any software on your workstation.

> The **KODAK 3D Cloud** is found at **cloud.smart3d.tech**

With **KODAK 3D Cloud** you have the following functionality available:

- Easily share printers between users;
- Upload files to the cloud and access from anywhere, securely;
- Share files and entire projects with other people and set usage permissions;
- Start a print while away from the printer, monitor its progress and be informed of when it is ready to pick up;
- View, duplicate, edit and resize STL files before slicing;
- Easily import and manage design files from multiple 3rd party programs, including SolidWorks, SolidEdge, SpaceClaim, OnShape, Autodesk Fusion 360, Inventor, CATIA and Rhino, with more integrations added periodically;
- Users have access to all iterations of a file so it is easy to reprint models and track success;
- Start jobs from any web browser and with a connected web camera view the print process live;
- Automatically record the print and send an email with an animated GIF once the print is complete;
- View animated GIFs of previous prints and recall the settings used;
- Use tools for adding supports, resizing, repairing and positioning objects before sending to print;
- Gcode visualization lets you see how objects will be built layer by layer and prevent sending prints that have a high potential of failure;
- Slice objects that would possibly crash local slicers by leveraging the power of cloud computing;

- KODAK specific profiles are pre-tested with recommended settings for optimal printing with KODAK filaments;
- The Cloud also works with gcodes from Cura, Simplify3D and other popular slicers;
- Keep statistics per user, per design and per printer;
- Track filament used, printing data, logs and reasons for print failure to better monitor usage over time.

Print surface

When printing with KODAK 3D Printing filaments using the KODAK printing profiles, you will be able to print directly on the glass print surface. For printing guidelines, go to support.smart3d.tech/printing-guidelines.

A clean glass plate surface is crucial to achieve perfect adhesion. Clean your glass print plate thoroughly after each print:

1. Remove the glass build plate and clean it in lukewarm water using a non-abrasive sponge.
2. Use detergent and alcohol gel to remove adhesives or grease.
3. Dry the glass using a clean microfiber cloth before putting it back in.

Printing Guidelines

You will find a table of suggested print settings for each type of filament at support.smart3d.tech. We strongly recommend that you use the KODAK printing profiles provided through the **KODAK 3D Cloud** or in the **KODAK 3D Slicer** application (available for download at **support.smart3d.tech**), which have the best, tested settings.

Loading the filament

If you wish to load filament, go to the "**Filaments**" screen (**Settings** » **Filaments** » **Load**), and follow the indications provided onscreen. Push the tip of the filament slightly into the extruder and click "**Continue**". The extruder should feed the filament towards the nozzle until it starts to come out of the nozzle. Then press "**Back**".

Be sure to place the filament cases as in the picture:
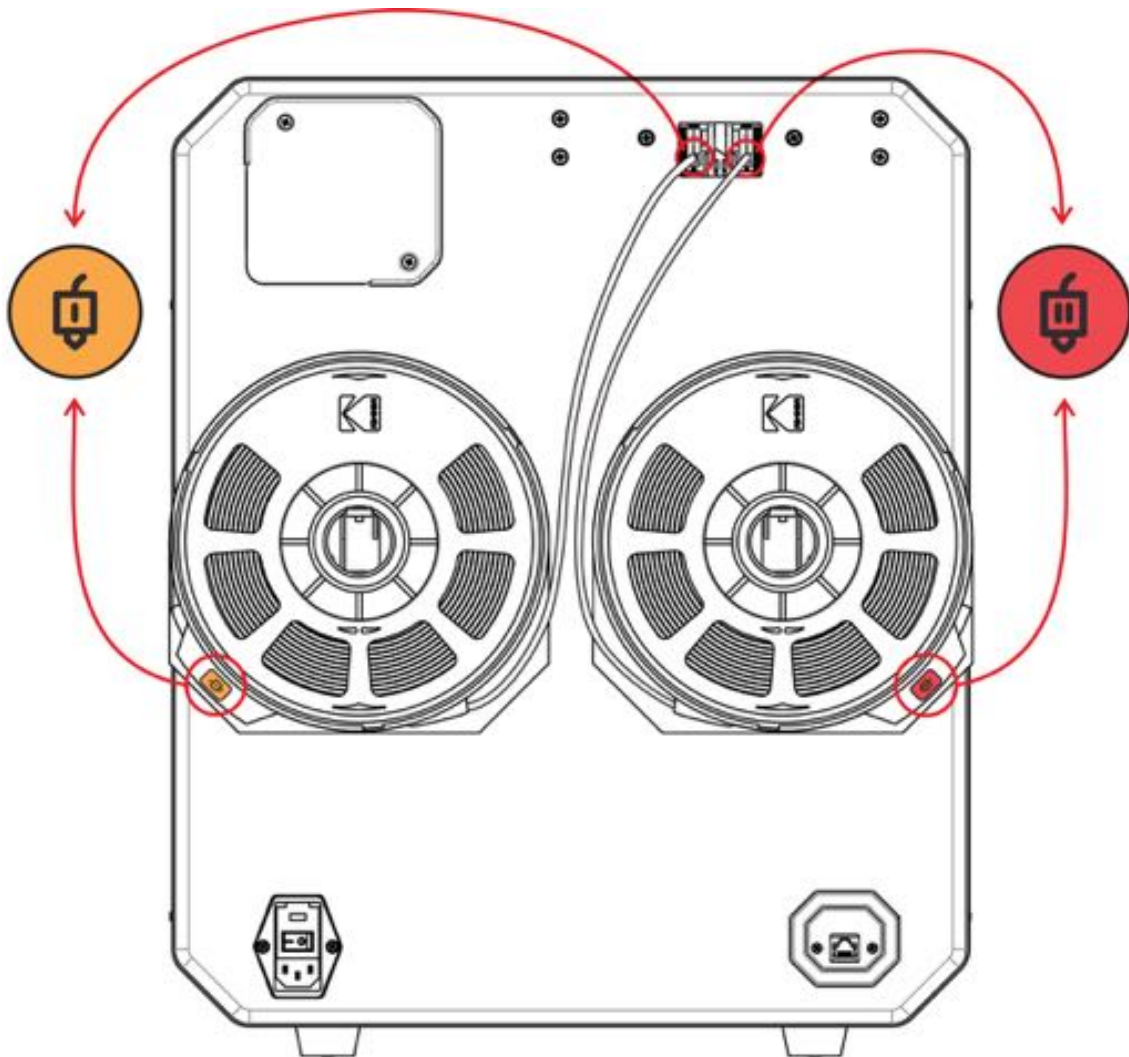
Unloading the filament

If you wish to unload the current filament, go to the "**Filaments**" screen (**Settings** » **Filaments** » **Unload**), and follow the indications provided onscreen.

Changing the filament

To change filament, from the "**Filaments**" screen select "**Unload**". The printer will unload the current filament by doing a long retraction. Once the filament is fully out of the extruder, remove the spool from the case and put it back in its original bag, sealing it tightly so it stays dry and clean. Put the new filament in the case as described above and hang the filament case or non-KODAK filament spool on the metal brace at the back of the printer. Then select "**Load**" and follow instructions as above.

Cae LED status lights

When your printer is ON the interior of the printer case should be lit up with a LED light indicating the current work status of the printer:

- WHITE - Idle
- BLUE – Printing in progress
- GREEN – Print job completed
- RED – An error has occurred

These lights can be manually turned off in the manual controls (**Setup** » **Extras** » **Controls**).

PRINTING

Once you have set up the printer, configured your slicer and loaded the filament, you are ready to print!

Select an object to print

Select an object to print from the list of sample objects provided in the printer (**Print** » **Print from local file** » **Local files**) or copy a previously sliced gcode file to a USB pen drive. You can also send prints via Internet using the **KODAK 3D Cloud**, as explained below.
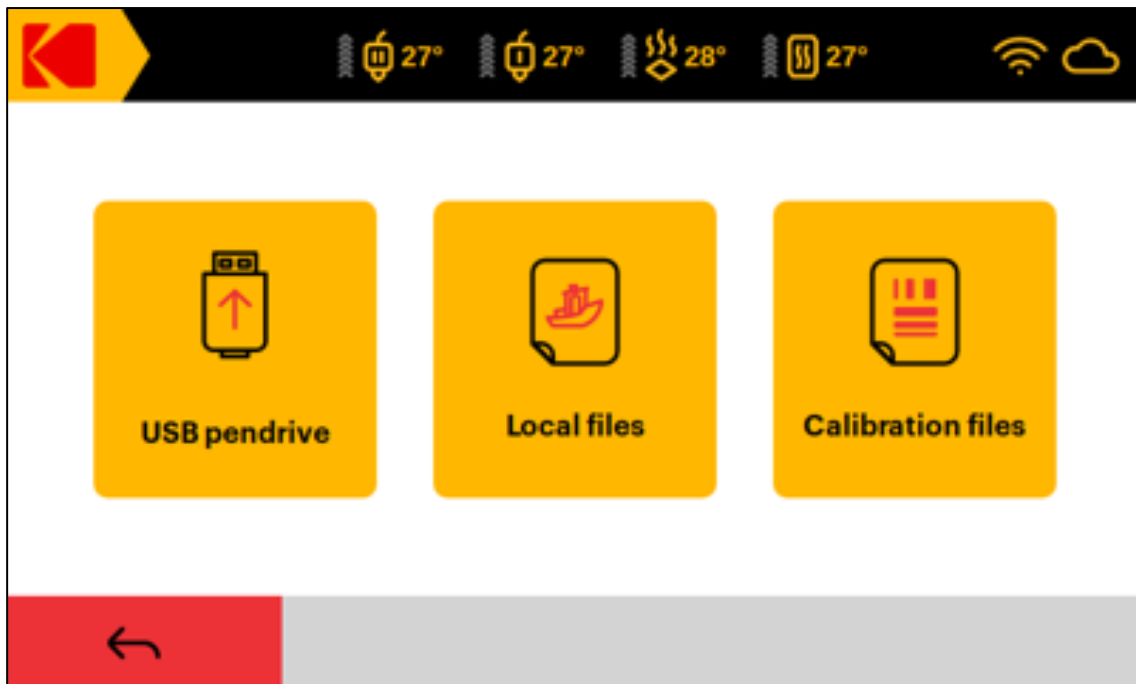
STEP 1
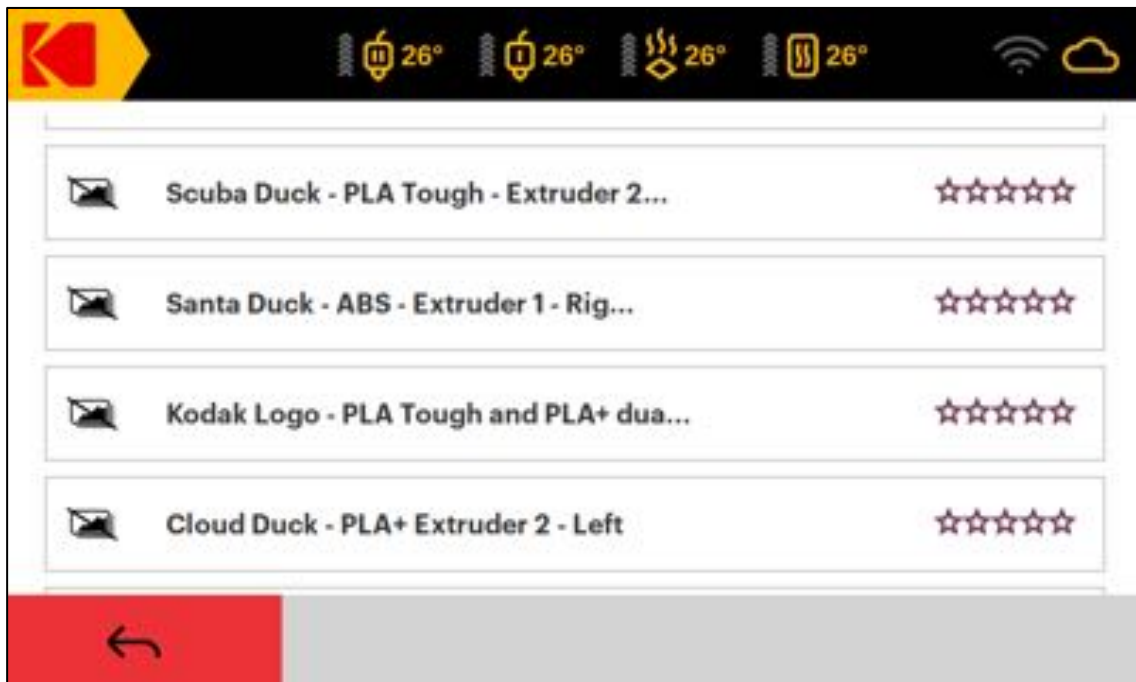Click on "**Print**":
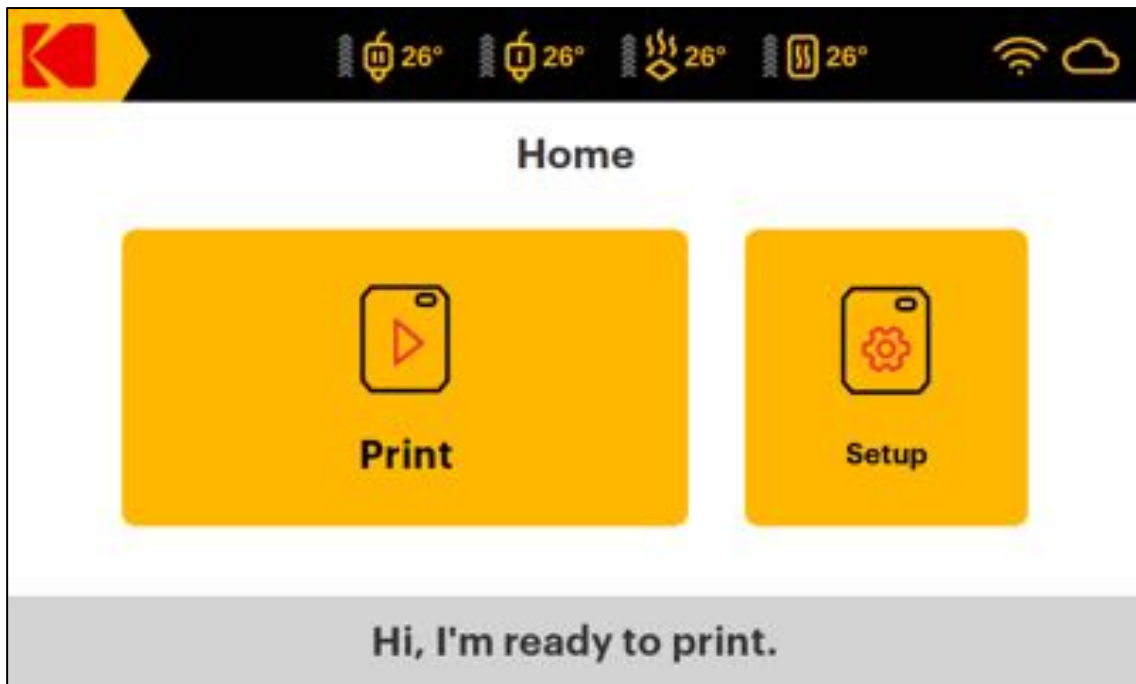
STEP 2
Click on "**Print from local file**".

STEP 3
Click on "**Local files**".
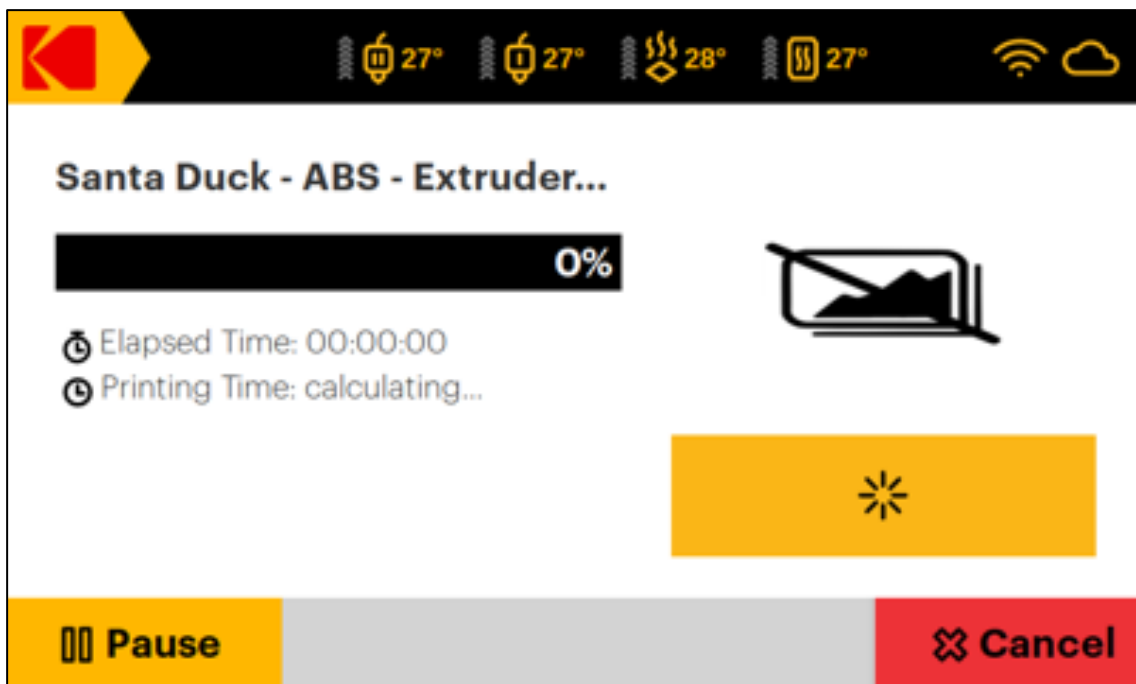

STEP 4
Select an object from the list.

STEP 5

This is the "**Print Setup**" screen, showing you information about the file. Click on "**Print**" to start printing.

Monitoring the print
During printing you will see the **Print Monitor** screen:

PRINTING USING THE KODAK 3D CLOUD

If you have access to the internet with your Portrait 3D printer, you should use the **KODAK 3D Cloud**, for the benefits mentioned earlier. Create your free account, if you do not already have one, at cloud.smart3d.tech. You can now associate the printer to your account, so that you will be the person administering the printer, or you can simply print to a printer shared to you by someone else. The Cloud has tutorials on how to use it, but basically you will upload an STL file, do a "**Layout**", a "**Slice**" and a "**Build**" (Print). Select any printer at your disposal at any location and just print!
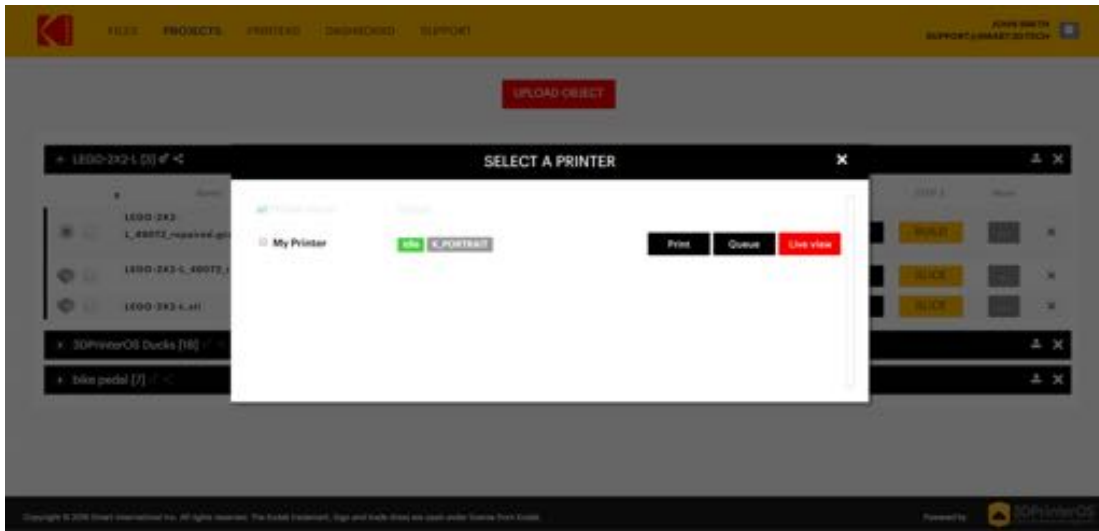

After you upload a file and process it, the Cloud will move it into a "**Project**", so that the original file, the repaired file, the various gcode files and anything else related to it are kept in a single directory for your convenience:

Select a file and click on "**Preview**":

You can select a printer and print directly, if you have permission and the printer is not busy, or "**Queue**" the print to be printed later:
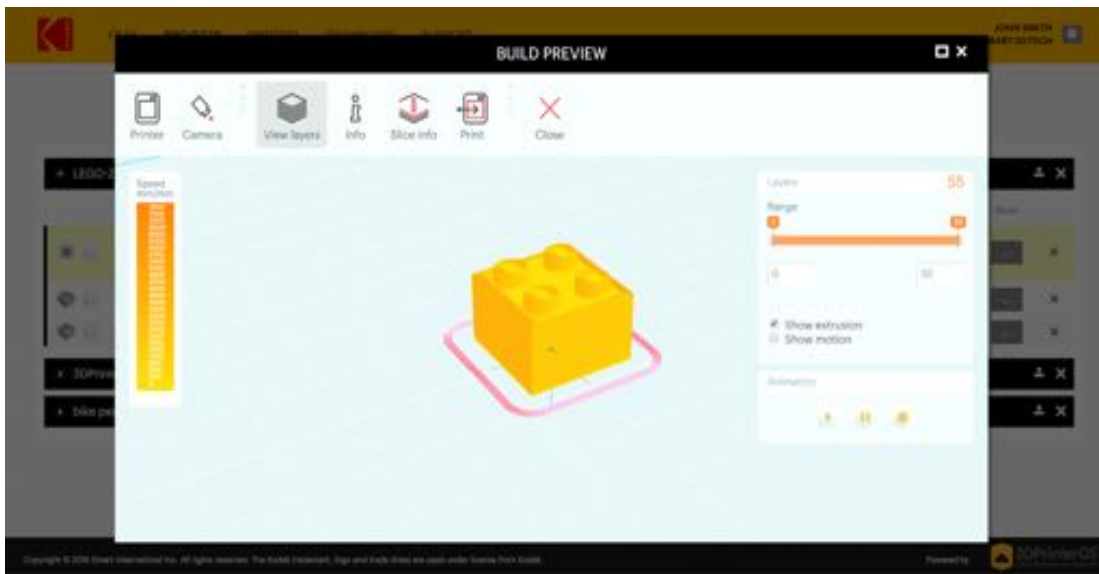
You can monitor all your available printers:
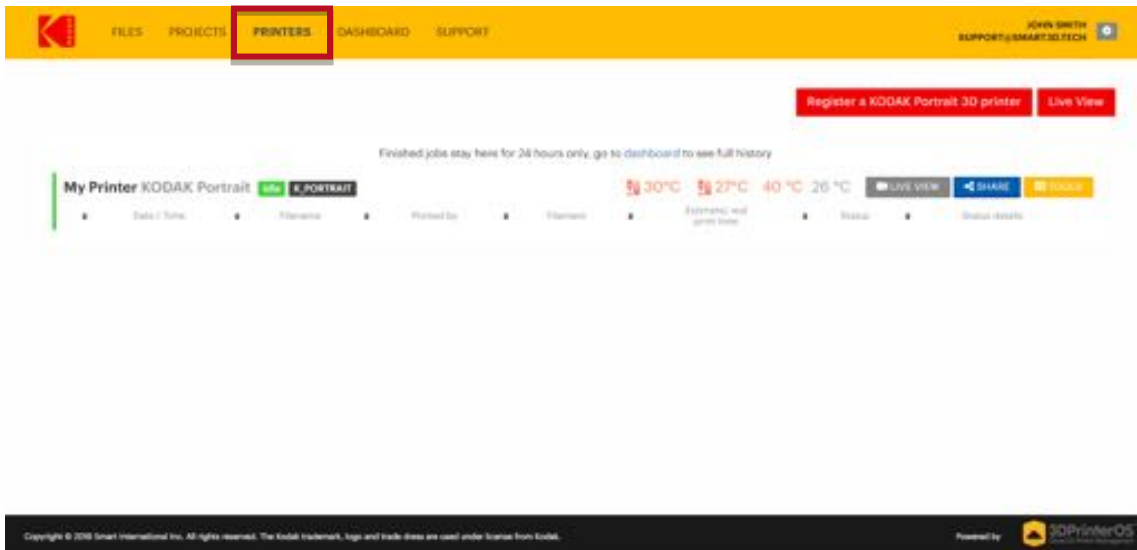
Printing Queued print jobs

You can select the next queued job from the Printer **Home** screen.

19
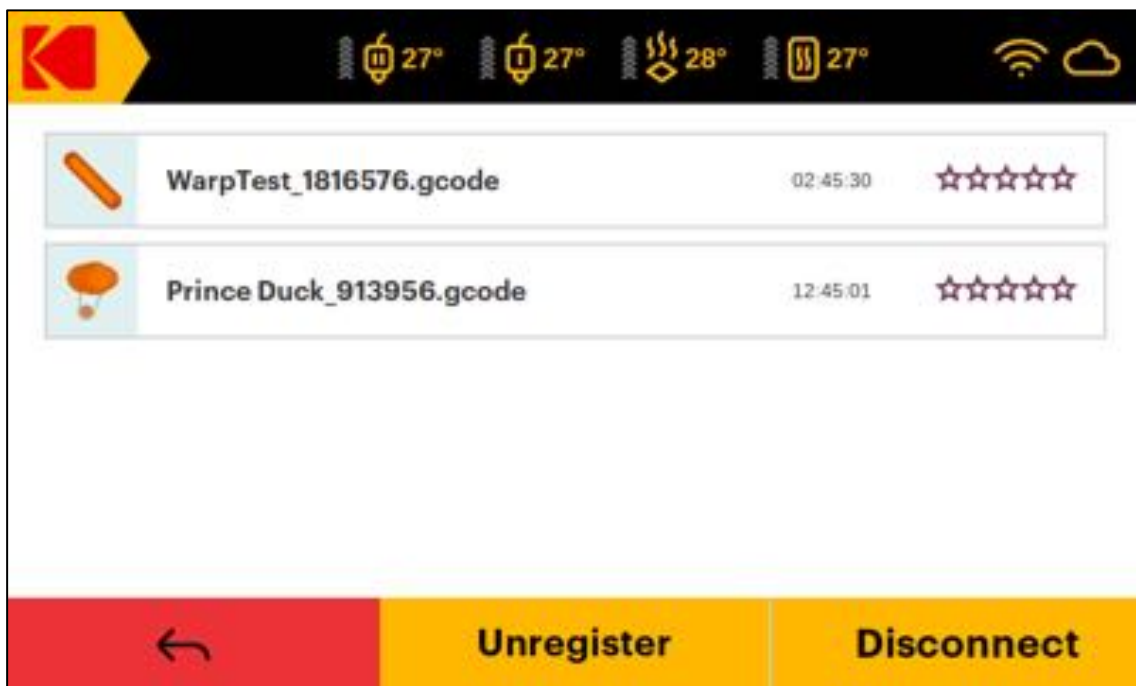
Click on "**Print from Cloud**" and select a job to print.
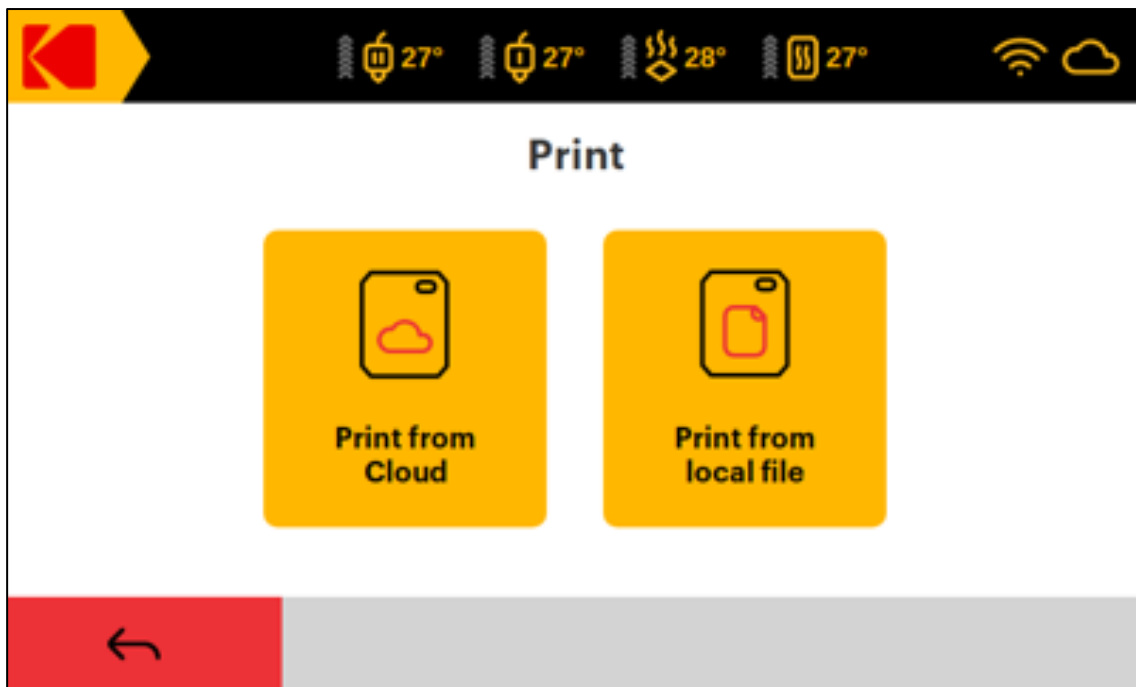
Settings
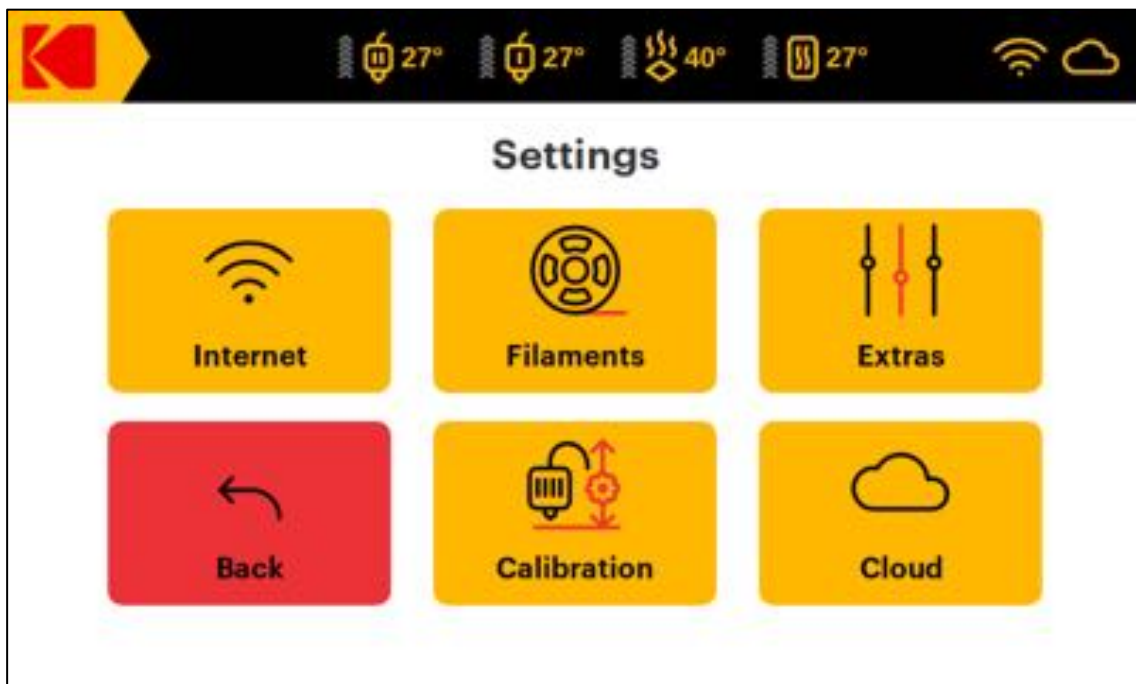
Internet: For connecting a printer to a WiFi network (or use Ethernet).

Filaments: To Select filament type(s) and load/unload filament.

Extras: Manual control of hotbed, nozzles and lights, change nozzle diameter, check printer information (IP address, software version, etc.), initiate software update, change sound volume.

Calibration: Calibration of nozzles and bed.

Cloud: To view the Cloud print queue.

Manual printer control
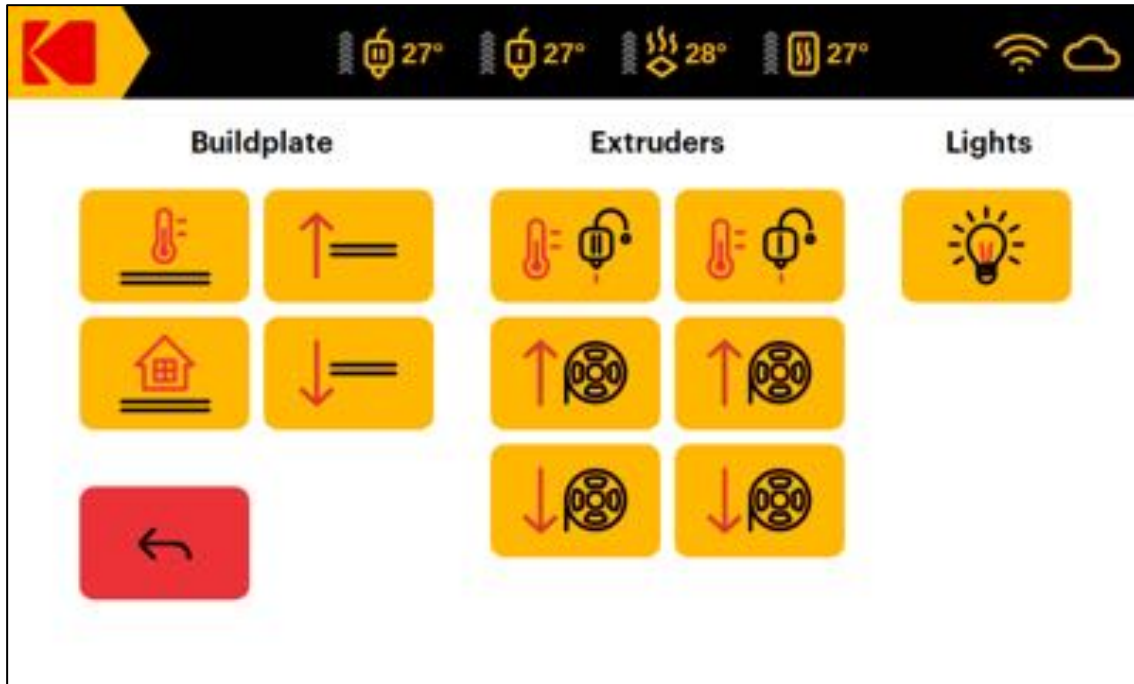
In this screen (**Setup** » **Extras** » **Controls**) you can manually raise and lower the print platform, extrude and retract filament from the left and right extruders or change spools, or control the lights.

CARE AND MAINTENANCE

Updating

To make sure your **KODAK Portrait 3D Printer** is up-to-date with the latest features we recommend that you periodically check for firmware updates by connecting your printer to the Internet and selecting **Setup** » **Extras** » **Update**.

Printer care

> **WARNING:** Make sure the Hotends and the heatbed are cool before touching them.

- Whenever necessary to clean stray filament around the nozzles, set the temp for both Hotends to 150º C (**Setup** » **Extras** » **Controls**). Wait for the material on the outside of the nozzle to get soft and remove it using the tweezers from your toolkit.

- Lift the build platform using the manual control screen (**Setup** » **Extras** » **Controls**) before switching the printer off in order to be able to clean beneath it.
- Once the Hotends have cooled to at least 50ºC, switch off and unplug the printer.
- Wipe the glass walls and roof using a clean dry or slightly moist microfiber cloth.
- Clean the interior of the printer using only dry microfiber cloth or a vacuum cleaner.
- Do not clean the 3D printer with liquid or aerosol cleaners, or any harsh or abrasive chemicals.

Maintenance

- With the build plate lowered fully to the bottom, apply a little of the supplied Magnalube grease onto the lead screw. Apply one drop of the supplied Superlube oil on each of the X, Y and Z axles (not the lead screw) and both print head shafts when needed. Move the print head around manually and then raise the build plate up and down using the manual controls (**Settings** » **Extras** » **Manual controls**) to distribute the oil and grease evenly afterwards.
- Check the filter every six (6) months to see if it needs replacing.

Filament care

- Keep your filament untangled, dry, clean and out of direct sunlight to avoid clogging and/or poor printing results.

Always store your filaments along with a silica gel pack in the filament cases or in the resealable bag. Both the silica gel and the resealable bag are provided with KODAK 3D Printing Filaments.

- ilaments.

Calibrating

- **Setup** » **Calibration** » **Z Offset**
  Calibrate the distance between the nozzles and the build plate by changing the Z-offset. Start with the Nozzle I first, making sure the calibration card slides in between the nozzle and the build plate with very little resistance, then do the same with Nozzle II.

- **Setup** » **Calibration** » **Build plate Calibration**
  Calibrate the build plate tilt to ensure excellent printing conditions using the provided calibration card. The nozzle should be as close to the build plate as possible at each of the 3 points with the calibration card sliding in between without getting stuck.

- **Setup** » **Calibration** » **Nozzle offset**
  Calibrate the offset between the two nozzles for dual extrusion.

ATTENTION: After calibrating, we recommend rebooting the Printer to save calibration values. Turn off device and wait 15 seconds before turning it on.

Changing Hotends

Before replacing the Hotends, be aware that our pre-made printing profiles for the **KODAK Portrait 3D Printer** support 12 volt All Metal and PTFE Hotends with 0.40mm brass nozzles using 1.75mm filaments.

STEP 1

Turn off the printer and disconnect the power cord.

STEP 2

Make sure the Hotends are cool before starting.

STEP 3

Remove the front print head cover to expose the Hotends.

STEP 4

Unplug the Hotend power and the temperature sensor connectors.

STEP 5

Unfasten the Hotend knob using a Philips screwdriver.

STEP 6

Pull the Hotend gently down until you can see the top, press in the locking clamp securing the Bowden tube to the Hotend and then gently pull out the Bowden tube. Now you have disconnected the Hotend.

STEP 7

Now connect the Bowden tube to your new Hotend and secure it with the locking clamp.

STEP 8

Put the Hotend back in place, making sure to press it fully up, and secure it again with the knob, using a screwdriver.

STEP 9

Reconnect the power and temperature sensor cables.

STEP 10

Replace the cover back on the print head, and check that the Hotend wires do not show below the bottom edge of the cover.

STEP 11

If you changed nozzle diameter, make sure to head over to **Setup** » **Extras** » **Tools** and change the diameter.

STEP 12

Check calibration.

Powercycling

Turn off the machine using the power switch in the back and wait 15 seconds before turning the Printer on again.

TROUBLESHOOTING

The best source of tips for solving problems is in our support website at **support.smart3d.tech**

SPECIFICATIONS

Technology	Fused Filament Fabrication (FFF)
Build volume	200 x 200 x 235 mm (7.9 x 7.9 x 9.3")
Structure	Steel
Print head	Dual extrusion with automatic nozzle lifting
Print core replacement	Swappable
Hotend material	1 all-metal, 1 PTFE
Nozzle diameter	0.4 mm
Nozzle temperature	Up to 295ºC (all-metal Hotend);
Build plate	Heated glass attached by magnets
Build plate temperature	Up to 105ºC
Calibration and leveling	Automatic
Filament diameter	1.75 mm
Layer resolution	0.4mm nozzle: 20 - 250 micron
XYZ accuracy	12.5, 12.5, 2.5 micron
XY motion	Linear bearings, 16mm
Z motion	Precision ball screw, 12mm
Air filtration	Filter with activated carbon
Display	5" 800x480 color touchscreen
Print controller	32 bit
Processing unit	Raspberry Pi 3
UI languages	English, Spanish, French, Italian
Connectivity	Wi-Fi, LAN, USB drive
Monitoring	Live camera
Light signals	Indicating printer status
Operating sound	55 dBA (1 test)
Physical dimensions	455 x 435 x 565 mm
Dimensions with spool holders	455 x 530 x 565 mm
Net weight	25.4 kg
Shipping weight	35.1 kg
Shipping box dimensions	560 x 530 x 730 mm
Power requirements Input	110/230V Auto Switching, 50-60Hz 320W max.
Power requirements Output	14 V DC

Operating ambient temperature	10-30 ºC
Supplied software	KODAK 3D Cloud, KODAK 3D Slicer
Supported OS	MacOS, Windows, Linux
File types	3DS, 3MF, AMF, OBJ, and STL
Supported materials	KODAK 3D Printing Filaments ABS, Flex 98, HIPS, Nylon 6, Nylon 12, PETG, PLA+, PLA Tough and PVA. Compatible with third-party materials.

Software disclaimer & Third-party licenses

The **KODAK Portrait 3D Printer** incorporates the following open source products:

Smoothieware firmware for motion control, authored by Arthur Wolf. Our fork can be found here. Smoothieware is released under the GNU GPL v3.

Node-red: Copyright JS Foundation and other contributors, released under the Apache 2.0 license.

CERTIFICATIONS

Electromagnetic Compatibility (EMC)

The following Class A statements apply to features designated as electromagnetic compatibility (EMC) Class A in the feature installation information.

For Customers in the U.S.A.

Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult a KODAK-authorized dealer or service representative for help.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - This device may not cause harmful interference.
  - This device must accept any interference received, including interference that may cause undesired operation.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from authorized dealers. KODAK and Smart International are not responsible for any radio or television interference caused by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

For Customers in Canada

Industry Canada Compliance Statement
CAN ICES-3 (A)/NMB-3(A)
This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the interference-causing equipment standard entitled: "Digital Apparatus", ICES-003 of the

Canadian Department of Communications. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique ne dépasse pas les limites de la classe A pour les émissions radio, comme établi dans la norme des appareils créant des interférences intitulée "Appareils numériques", ICES-003 du Département canadien des Communications. Ce produit répond aux exigences des normes RSS exemptes de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne devra pas causer d'interférences, et (2) cet appareil doit accepter toutes les interférences, y compris celles pouvant entraîner un dysfonctionnement.

For Customers in Europe

European Community Compliance Statement

This product is in conformity with the protection requirements of EU Council Directive 2014/30/EU on the approximation of the laws of the Member States relating to electromagnetic compatibility. KODAK or Smart International cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product.

Environmental

Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

KODAK Portrait 3D Printer does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, and/or in the recast RoHS Directive 2011/65/EU, Annex II, unless the substance is in an application that is exempt under the RoHS Directive 2002/95/EC, as amended, and/or under Annex III or Annex IV to the recast RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents Smart International's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to Smart International.

Waste Electrical and Electronic Equipment Statement (WEEE)

This symbol on the Product or on its packaging indicates that KODAK Portrait 3D Printer must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off

your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

California Proposition 65

Prop 65 Proposition 65 requires businesses to provide warnings about significant exposures to chemicals listed by the State of California that cause cancer, birth defects or other reproductive harm. By requiring that this information be provided, Proposition 65 enables consumers to make informed decisions about their exposures to these chemicals.
Proposition 65 also prohibits businesses from knowingly discharging significant amounts of listed chemicals into sources of drinking water.

> ⚠️ **WARNING:** This product can expose you to chemicals, including styrene, acrylonitrile and butadiene, which are known to the State of California to cause cancer.
> For more information, go to www.P65Warnings.ca.gov.

Electrical Safety

The KODAK Portrait 3D Printer has been tested according to IEC 60950 and IEC 62368-1 applicable to low voltage devices.

The KODAK Portrait 3D printer is an industrial machine, and as such you must read the instructions before using it. It is not intended for use by children under the age of 14 without proper supervision, nor by people with reduced manual, motor and psychomotor skills.

- This device has an automatic voltage switch. Ensure the product is well-grounded. Failure to ground the product may result in electrical shock or susceptibility to electromagnetic interference.
- Avoid overloading an electrical outlet with multiple devices. This device consumes up to 320W, about the same as a powerful desktop PC.
- To prevent short-circuit overloads, overheating and damage use only the power cable supplied with the product. Do not damage, cut or repair the power cable.
- Do not disassemble the product, there are no user serviceable parts inside. If you experience any problems, please contact your local Service Representative. See User Guide / Warranty section below.

CUSTOMER SERVICE

Should you experience any problems with your product, please visit **support.smart3d.tech** or contact us. We are here to help!

Website**:**   **support.smart3d.tech**
Email**:**   **support@smart3d.tech**

WWW.KODAK.COM/GO/3DPRINTING