BRESSER

RAPTOR
WIFI 3D Printer

Art. No. 2010400

Instruction Manual

Content

Introduction

Thank you for choosing the BRESSER RAPTOR Wifi 3D printer. We assure you that it has been produced according to the latest technology and safety standards. Each device is subjected to a detailed quality control before delivery, so that nothing stands in the way of trouble-free operation.

This manual is designed specifically for use with the BRESSER RAPTOR Wifi 3D Printer. Even if you have experience using other equipment of this type or are familiar with 3D printing technology, it is still important to read this manual because it contains a lot of important information about the BRESSER RAPTOR Wifi 3D Printer that will help you expand your knowledge of 3D printing.

We also recommend the following documents for optimal print preparation:

(1) BRESSER RAPTOR Wifi 3D Printer Quickstart Guide

The Quick Start Guide is included with the printer. The information it contains will help you start printing in no time.

(2) BRESSER RAPTOR Wifi 3D Printer product page on the Internet

Visit the product page on the Internet at **www.bresser.de/P2010400** for additional information, available updates or software for this printer and related accessories.

General Information

Important notes

- Please read this manual carefully before using the machine.
- This manual assumes that you are using the Windows 7 operating system to operate the 3D Printer.
- The latest version of the REXprint software is used.

This manual contains all the information required for setting up and operating the machine.

The User's Guide consists of the following parts: Introduction, General and Safety Information, Operation and Product Service.

Please be prepared for service requests:

Art. No.:	2010400
Product name:	BRESSER RAPTOR WLAN 3D printer
Instruction manual:	Manual_2010400_Wifi-3D-Printer_Raptor_de_BRESSER_v042021a.pdf

Safety Instructions

NOTE!

Familiarize yourself with this manual and read all the instructions it contains before you start setting up and operating the machine. Failure to heed warnings and instructions may result in personal injury, fire, and damage to the machine or other property.

STRICTLY FOLLOW ALL SAFETY AND OTHER INSTRUCTIONS IN THIS MANUAL AT ALL TIMES!

Safety in the working environment

① Keep the workplace clean!

② Do not operate the 3D Printer if flammable liquids, gases or dust are present.

③ Keep children and untrained persons away from the 3D printer.

Power supply safety

① Operate the 3D Printer only from a grounded power outlet. Do not modify the power plug of the 3D Printer.

② Do not operate the 3D Printer in a hazy or humid environment. Do not expose the 3D printer to direct sunlight.

③ Do not use the power cord for any purpose other than its intended use.

④ Do not operate the machine during a thunderstorm.

⑤ To prevent accidents, disconnect the power supply if you are not going to use the machine for a long period of time.

Safety of persons

① Do not touch the nozzle or printing plate during printing.

② Do not touch the nozzle after printing is finished.

③ Wear suitable clothing. Do not wear loose clothing or loose-fitting jewellery. Be careful not to let your hair, clothing and gloves get near the moving parts.

④ Do not operate the machine if you are tired or under the influence of drugs, alcohol or medication.

Precautions

① Do not leave the machine unattended for long periods of time.

② Do not make any changes to the unit.

③ Lower the pressure plate before inserting/removing filament. (The distance between nozzle and pressure plate should be at least 50 mm).

④ Operate the unit in a well ventilated environment.

⑤ Do not use the machine for unlawful purposes.

⑥ Do not use the machine to make containers for storing food.

⑦ Do not use the device to manufacture electrical equipment.

⑧ Do not put models in the mouth.

⑨ Do not remove the models with force.

⑩ Do not connect the machine with a network cable longer than 3 m.

Environmental conditions

Temperature: Room temperature 15-30℃
Humidity: 20 %-70

Filament specifications

Use filament only for the intended purpose! Use only the BRESSER filament or filament of the brands recognised by BRESSER!

Filament storage

A certain degree of decay can be observed in all polymers over time. Only unpack the filament when you need it. The filament should be stored in a clean and dry environment and protected from sunlight.

Legal notice

All information in this document can be extended or adapted without prior notice.

BRESSER GMBH MAKES NO WARRANTIES WITH RESPECT TO THIS DOCUMENT, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Furthermore, BRESSER GmbH assumes no liability for errors contained in this manual, for incidental consequential damages in connection with the delivery, performance or use of this material.

EC DECLARATION OF CONFORMITY

A "Declaration of Conformity" in accordance with the applicable directives and corresponding standards has been issued by Bresser GmbH. The full text of the EC Declaration of Conformity is available at the following Internet address

www.bresser.de/download/2010400/CE/2010400_CE.pdf

UK DECLARATION OF CONFORMITY

A "Declaration of Conformity" in accordance with the applicable directives and corresponding standards has been prepared by Bresser GmbH. The full text of the UKCA Declaration of Conformity is available at the following internet address:

www.bresser.de/download/2010400/UKCA/2010400_UKCA.pdf

Bresser UK Ltd.
Suite 3G, Eden House, Enterprise Way, Edenbridge, Kent TN8 6Hf, Great Britain

This document contains information protected by copyright.

Copyright © 2020 BRESSER GmbH. All rights reserved.

No part of this documentation may be reproduced in any form (e.g. photocopying, printing, etc.) or used or distributed by means of electronic systems (e.g. image file, website, etc.) without the prior written permission of BRESSER GmbH.

The designations and brand names of the respective companies used in this documentation are generally protected by trademark and/or patent law in Germany, the European Union and/or other countries.

Chapter 1: 3D Printing Technology

3D printing transforms three-dimensional models into physical objects that you can touch and hold in your hand. This printing process is also known as additive manufacturing, because the 3D model is created by applying layers until the object is fully formed.

Fused Filament Fabrication (FFF) is the most common method of 3D printing and is also used by this 3D printer. In this printing method, a plastic, the filament, is melted at high temperature and applied to a printing surface. The filament solidifies during cooling, i.e. practically immediately after it leaves the nozzle. 3D objects are formed by applying the filament in several layers on top of each other.

1.1 Procedure

3D printing involves three steps:

1.) Create or download a 3D model
2.) Slicing and exporting the 3D model
3.) Building the 3D model

1.1.1 Creation of a 3D model:

Currently there are three ways to create a 3D model:

- Design from scratch You can use free CAD (Computer-Aided Design) software such as 3DTADA, AutoCAD, SolidWorks, Pro-E or our own software Happy 3D to design your own 3D model.
- 3D scanner As an alternative to creating a 3D model, you can also scan an object. A 3D scanner digitises a physical object by capturing the geometric data of the object and saving it in a file on the computer. It is also possible to use a mobile device as a 3D scanner using an app.
- From the cloud The most common method of obtaining a 3D model at present is to download a 3D model from a website where users can upload their own 3D models.

Example: www. thingiverse.com

1.1.2 Slicing and exporting a 3D model:

Slicer software is used to prepare 3D models for printing and convert them into instructions for the 3D printer. REXprint is the slicer software for this 3D printer. With REXprint, STL files can be converted into G or GX files for printing. These are then transferred to the 3D printer via USB cable, USB stick or W-LAN.

1.1.3 Structure of the 3D model

After the output file is sent to the 3D printer, the printer begins to transfer the 3D model into a physical object by applying layers of filament over each other.

Chapter 2: Information on the 3D printer

2.1 About the 3D printer

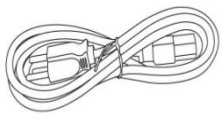
2.1.2 Package Contents

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact BRESSER GmbH Customer Service for a replacement.

3D Printer

Package of Filament

Quick Start Guide



Warranty & Service Card

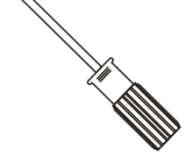
Power adapter

Power cable

USB Cable

MicroSC memory card

Stick of Glue

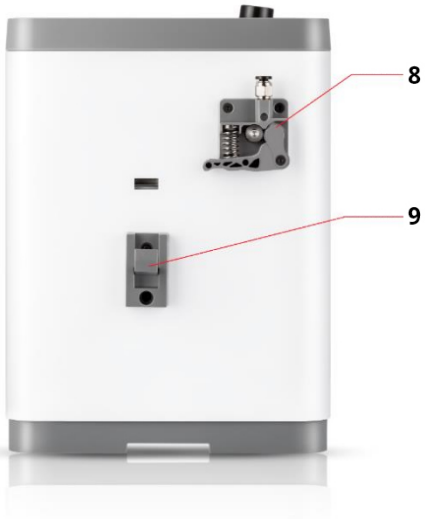


Phillips Screwdriver

1.5, 2, 2.5 mm Hex Wrench (3x)

8 mm wrench

2.1.1 Product overview



1. Magentic print bed
2. Nozzle
3. SD card port
4. LCD screen
5. Knob
6. Power port
7. USB port
8. Extruder
9. Filament holder

2.1.3 Device specifications

Model	RAPTOR
Printing Technology	Fused Filament Fabrication (FFF)
Supported Filament Types	PLA, PLA Pro
Filament Diameter	1.75mm
Nozzle Diameter	0.4mm
Maximum Nozzle Temperature	250°C
Build Volume	100 x 105 x 100 mm
Printing Accuracy	0.1 - 0.4 mm
Leveling Method	Automatic
Supported Slicing Software	WiiBuilder, Cura
Supported Model File Types	.STL, .OBJ, .gcode
Supported Inputs	microSD™ card, Wi-Fi®, WLAN, USB
Maximum microSD Card Capacity	8GB
Supported microSD Card Formatting	FAT32, 4096 bytes per sector
Dimensions	215 x 200 x 270 mm
Weight	3.0 kg

Chapter 3: Getting started

This chapter describes how to completely unpack the 3D printer.

(3-1) Remove the printer and Accessory Box from the packaging. Remove the foam and plastic from the printer and place it on a table or desk.

(3-2) Open the Accessory Box and verify that you have all the parts listed below:

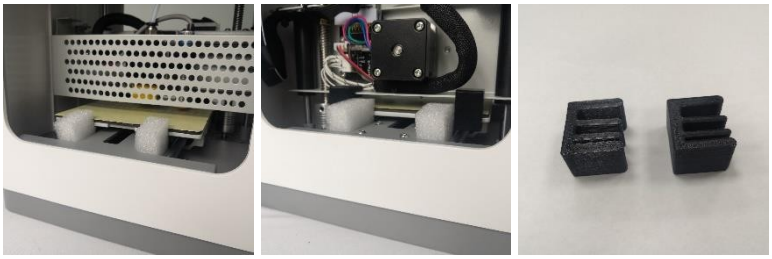
2x Stickers, 1x 1.5mm Hex Wrench, 1x 2.0mm Hex Wrench 1x 2.5mm Hex Wrench

1x Phillips Screwdriver, 1x 8mm Wrench 1x M6 Brass Nozzle, 1x MicroSD™ Card, 1x MicroSD Card Reader 1x USB Cable, 1x AC Power Adapter, 1x AC Power Cord

1x Stick of Glue, 1x Package Sample Filament, 1x Quick Start Guide

3-2

(3-3) Remove the two foam blocks on the Magnetic Print Bed from the front of the printer, then remove the two black fixing clips and two foam blocks from the back of the printer.

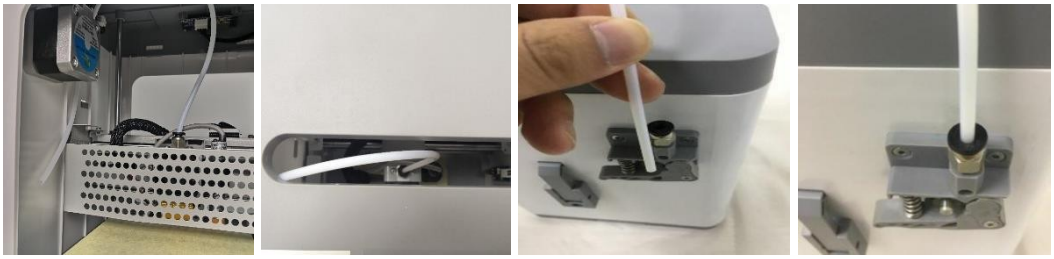


3-3

(3-4) Rotate the Coupling Screw clockwise to lift the Magnetic Print Bed, then remove the foam block from under the print bed.

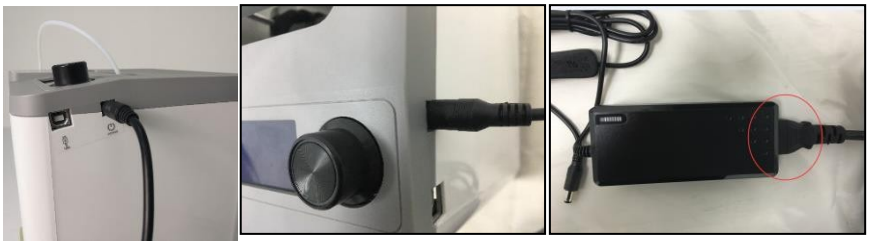
3-4

(3-5) Insert the Filament Guide Tube into the black pneumatic connector on top of the Extruder.



3-5

(3-6) Ensure that the power switch on the inline control on the AC Power Adapter is in the OFF position (O). Plug the DC barrel connector on the AC Power Adapter into the Power Port on the right side of the printer. Plug the included AC Power Cord into the AC Power Adapter, then plug the other end into a nearby AC power outlet.

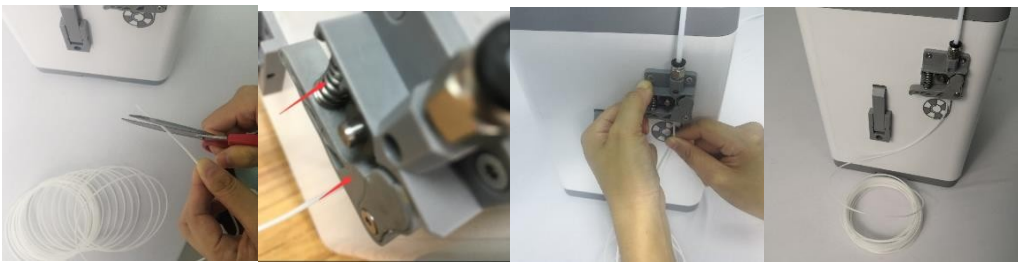


3-6

(3-7) Flip the power switch on the inline control to the ON position (I). After the printer finishes booting, you will see the following wizard. Depress the Knob on top of the printer to select Next on the Welcome Screen, then again to select Next on the STEP 1: LOAD FILAMENT Screen.

3-7

(3-8) Using a pair of scissors or side cutters, cut about an inch off the end of the filament, then gently straighten the end of the filament. Squeeze the lever on the Extruder, insert the filament into the bottom until you encounter resistance, then release the lever.

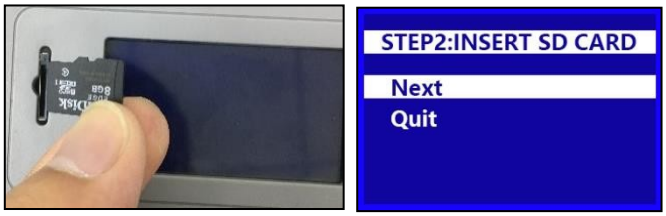


3-8

(3-9) Press the Knob to start loading filament. Once filament starts extruding from the Nozzle, press the Knob again to stop extrusion, then press the Knob to select the Continue option.

3-9

(3-10) Remove the included microSD™ card from the Accessory Box, then insert it into the microSD card slot to the left of the LCD Screen. Press the Knob to select Next on the wizard.

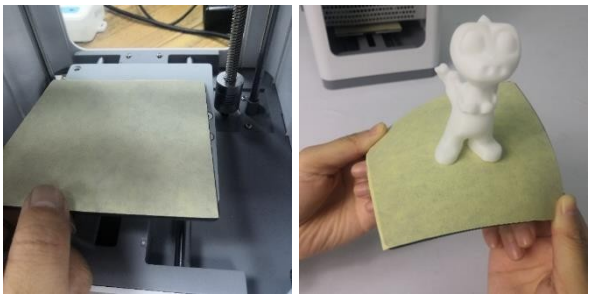


3-10

(3-11) Press the Knob to select Print From SD. Rotate the Knob to highlight a .gcode file on the microSD card, then press the Knob to begin printing the highlighted model.

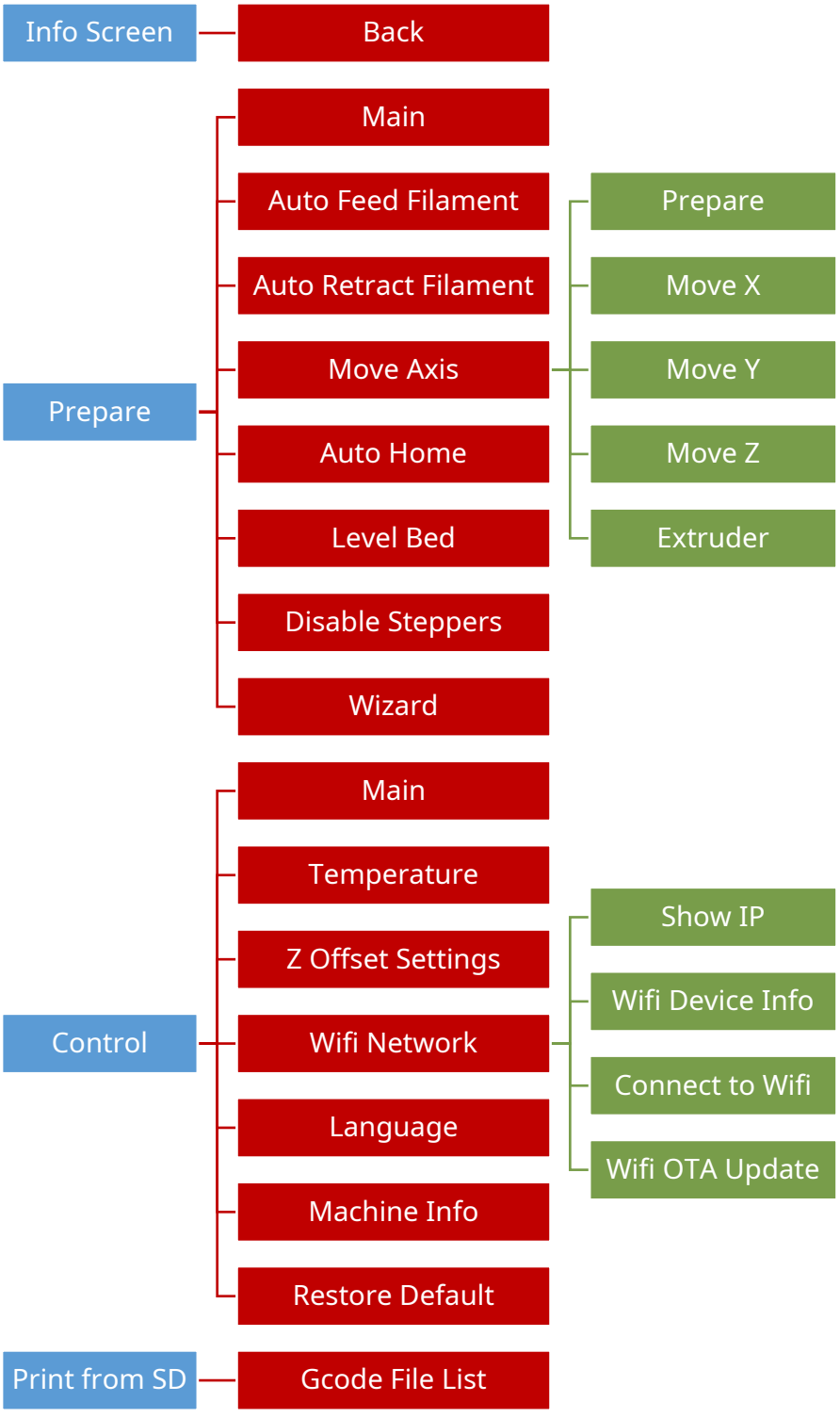
3-11

(3-12) Once the print is finished, remove the Magnetic Print Bed from the metal print platform, then bend it to remove the model. Replace the Magnetic Print Bed on the metal print platform.



3-12

3.1 OSD Menu map



2.2.1 Basic menu control

- Rotate the Knob clockwise to move the highlight down on the menus or to decrease a value
- Rotate the Knob counterclockwise to move the highlight up on the menus or to increase a value.
- Press the Knob to enter the highlighted menu, select the highlighted option, or accept the edited value.

2.2.2 OSD menu system

Welcome/Info Screen

- After the printer starts up, the Welcome/Info Screen is displayed. Press the Knob to continue to the Main Menu.

Main Menu

- Info Screen: Displays the Welcome/Info Screen.
- Prepare: Displays the Prepare Menu.
- Control: Displays the Control Menu.
- Print From SD: Displays the File Selection Screen.

Prepare Menu

- Main: Returns to the Main Menu.
- Auto Feed Filament: Starts the Loading Filament process.
- Auto Retract Filament: Starts the Unloading Filament process.
- Move Axis: Displays the Move Axis Menu.
- Auto Home: Moves the Extruder and the X, Y, and Z axes to their "home" positions.
- Level Bed: Levels the Print Bed.
- Disable Steppers: Disables the Stepper Motors. To re- engage the motors, turn the printer off, then back on again.
- Wizard: Starts the Initial Setup Wizard.

Control Menu

- Main: Returns to the Main Menu.
- Temperature: Displays the Adjust Temperature Screen.
- Z Offset Setting: Tests the current distance between the Nozzle and the Print Bed, then displays the Adjust Z Offset Screen.
- Wi-Fi Network: Displays the Wi®-Fi Network Menu.
- Language: Displays the Language Select Screen. The available languages are English, Chinese, French, German, Spanish, Italian, Japanese, Portuguese, Dutch, Turkish, and Korean.
- Machine Info: Displays the Machine Info Screen.
- Restore Default: Restores the printer's settings to their factory default values. Normally, this will not be needed, but should be done after performing a firmware update.

Wi-Fi Network Menu

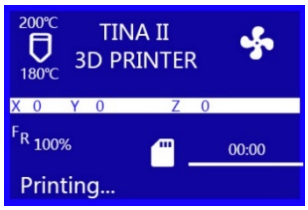
- Control: Returns to the Control Menu.
- Show IP: Displays the IP address.
- Wi-Fi Device Info: Displays the Wi-Fi® module name, Wi-Fi module firmware version number, and IP address.
- Connect to Wi-Fi: Displays the Connect to Wi-Fi Screen.
- Wi-Fi OTA Update: Checks the internet for the existence of a firmware update and performs the update if one is found.

Move X/Y/Z/Extruder Menu

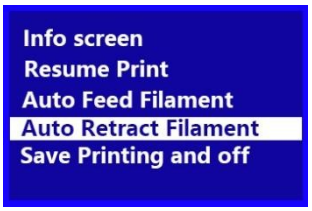
- Move Axis: Returns to the Move Axis Menu.
- Move 10mm: Displays the Move Screen, which allows you to adjust the X/Y/Z/Extruder position by 10mm each time the Knob is turned.
- Move 1mm: Displays the Move Screen, which allows you to adjust the X/Y/Z/Extruder position by 1mm each time the Knob is turned.
- Move 0.1mm: Displays the Move Screen, which allows you to adjust the X/Y/Z/Extruder position by 0.1mm each time the Knob is turned.

Print Control Menu

While printing is in progress, press the Knob while on the Printing... Screen to display the Print Control Menu.

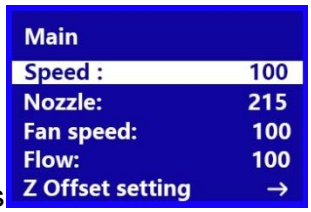


- Info Screen: Returns to the Printing... Screen.
- Tune: Displays the Tune Menu.Pause Print: Pauses the print and displays an alternate Print Control Menu, which allows you to resume the print and change the filament.
- Resume Print: Resumes the paused print.
- Saving Print and Off: Saves the state of the print, so you can turn the printer off. The next time the printer is powered on, it will display the Power Loss Recovery Menu.
- Auto Feed Filament: Performs the Loading Filament function.
- Auto Retract Filament: Preforms the Unloading Filament function. This allows you to change the filament in the middle of a print.
- Stop Print: Cancels the print in progress without saving its state.



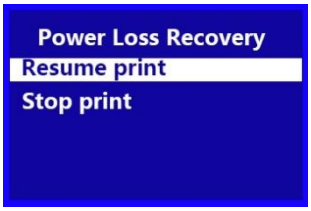
Tune Menu

While printing is in progress, you can access the Tune Menu to make adjustments.



- Main: Returns to the Main Menu.
- Speed: Displays the Adjust Print Speed Screen, which allows you to change the printing speed on the fly.
- Nozzle: Displays the Adjust Temperature Screen, which allows you to change the Nozzle temperature on the fly.
- Fan Speed: Displays the Adjust Fan Speed Screen, which allows you to adjust the cooling fan speed on the fly.
- Flow: Displays the Adjust Flow Screen, which allows you change the speed at which filament is extruded on the fly. Note that reducing the speed too much can cause clogs in the Nozzle.
- Z Offset Setting: Displays the Z Offset Setting Screen, which allows you to adjust the Z offset on the fly.

2.2.2.9 Power Loss Recovery Menu

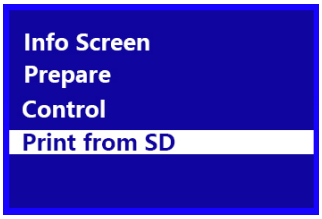


If power is lost during printing or if you previously selected the Saving Print and Off function from the Print Control Menu, the next time to turn the printer on, the Power Loss Recovery Menu is displayed, which allows you to continue the print from where it left off.

- Resume Print: Resumes the saved print.
- Stop Print: Cancels the saved print.

2.2.3 Common menu operations

Print from SD

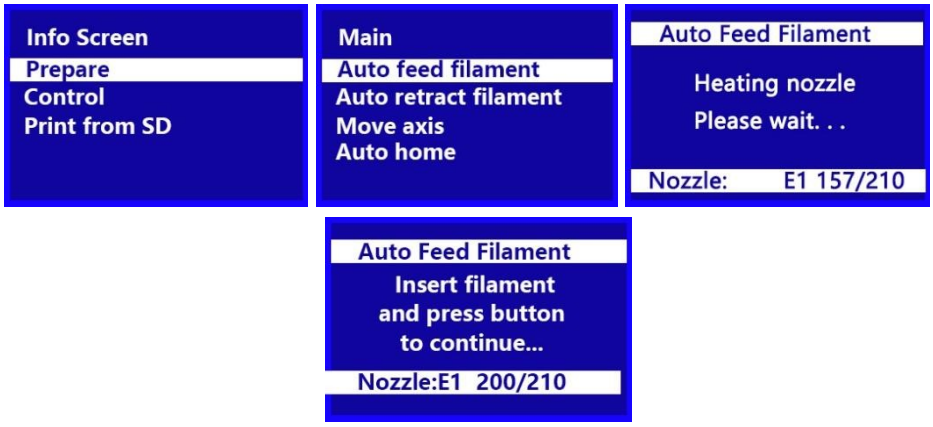


① Do On the Main Menu, rotate the Knob until the Print From SD option is highlighted, then press the Knob to enter the File Selection screen.

② The File Selection screen shows all the .gcode files on the microSD™ card, sorted with the newest file at the top. Rotate the Knob to highlight the file you want to print, then press the Knob to start printing the file.

Note that files stored on the microSD card are limited to 20 characters, not counting the .gcode file extension.

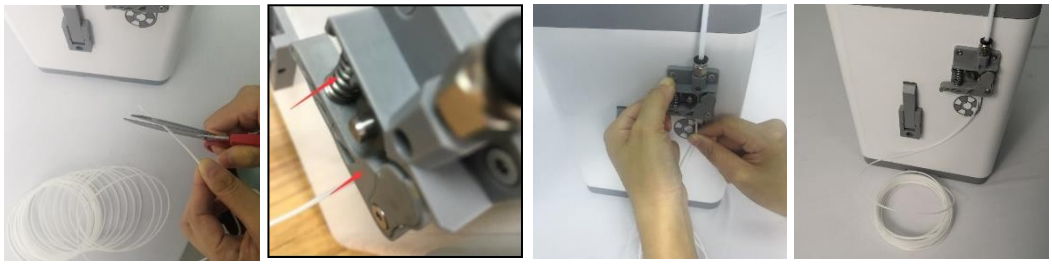
Loading Filament



① On the Main Menu, rotate the Knob until the Prepare option is highlighted, then press the Knob to enter the Prepare Menu.

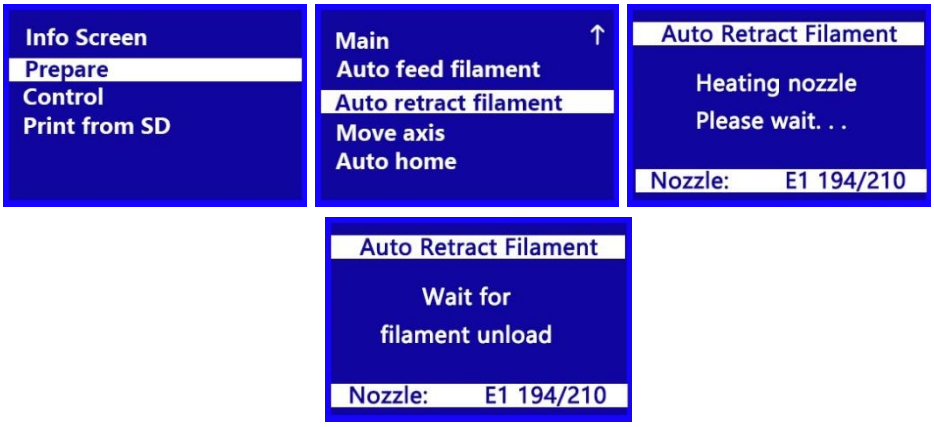
② Rotate the Knob until the Auto Feed Filament option is highlight, then press the Knob to continue.

③ Using a pair of scissors or side cutters, cut about an inch off the end of the filament, then gently straighten the end of the filament. Squeeze the lever on the Extruder, insert the filament into the bottom until you encounter resistance, then release the lever.



④ Press the Knob to start loading filament. Once filament starts extruding from the Nozzle, press the Knob again to stop extrusion. Clean the extruded filament, then press the Knob to select the Continue option.

Unloading Filament



On the Main Menu, rotate the Knob until the Auto Retract Filament option is highlighted, then press the Knob. The Nozzle will heat to the target temperature. Once the target temperature is reached, the Extruder motor will retract the existing filament.

Changing Filament

① Perform the steps in the *Unloading Filament* section above.

② Remove the filament spool from the Filament Holder, then place the new spool on the Filament Holder.

③ Perform the steps in the *Loading Filament* section above.

Auto Home

The Auto Home function moves the Nozzle and Print Bed to the "home" positions.

① On the Main Menu, rotate the Knob until the Prepare option is highlighted, then press the Knob to enter the Prepare Menu.

② Rotate the Knob until the Auto Home option is highlighted, then press the Knob. The Nozzle and Print Bed will move to the "home" positions.

Move Axis

① Perform the steps in the *Auto Home* section above.

② On the Main Menu, rotate the Knob until the Prepare option is highlighted, then press the Knob to enter the Prepare Menu.

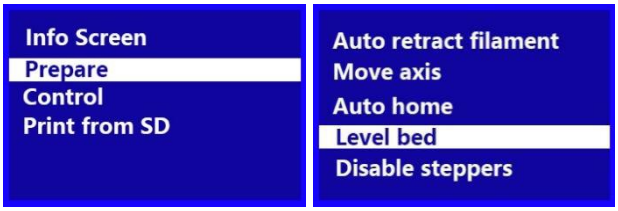
③ Rotate the Knob until the Move Axis option is highlighted, then press the Knob to enter the Move Axis Menu.

④ Rotate the Knob until the Move X, Move Y, Move Z, or Extruder option is highlighted, then press the Knob to enter the Move X, Move Y, Move Z, or Move Extruder Menu.

⑤ Rotate the Knob until the Move 10mm, Move 1mm, or Move 0.1mm option is highlighted, then press the Knob to move the selected axis by the indicated amount.

Level Bed

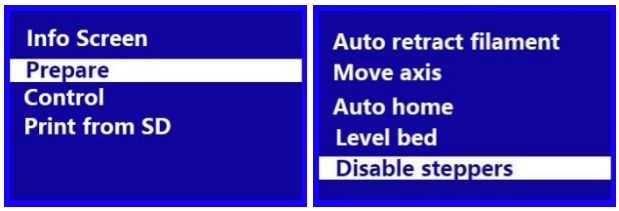
IMPORTANT! Ensure that the Magnetic Print Mat is installed on the Print Bed before performing the Level Bed procedure. Performing a Level Bed function without the Magnetic Print Mat will produce an invalid result.



① On the Main Menu, rotate the Knob until the Prepare option is highlighted, then press the Knob to enter the Prepare Menu.

② Rotate the Knob until the Level Bed option is highlighted, then press the Knob to begin the Level Bed procedure.

Disable Steppers

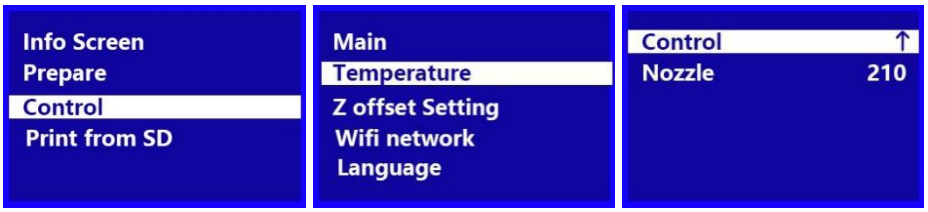


① On the Main Menu, rotate the Knob until the Prepare option is highlighted, then press the Knob to enter the Prepare Menu.

② Rotate the Knob until the Disable Steppers option is highlighted, then press the Knob to disable the Stepper Motors. The X, Y, and Z axes can now be independently moved by hand. To re-enable the Stepper Motors, turn the printer off, then turn it back on.

Adjusting Target Temperature

The Target Temperature is the temperature to which the printer will heat the Nozzle. By default, the Target Temperature is set to 210°C.



① On the Main Menu, rotate the Knob until the Control option is highlighted, then press the Knob to enter the Control Menu.

② Rotate the Knob until the Temperature option is highlighted, then press the Knob to enter the Adjust Temperature Screen.

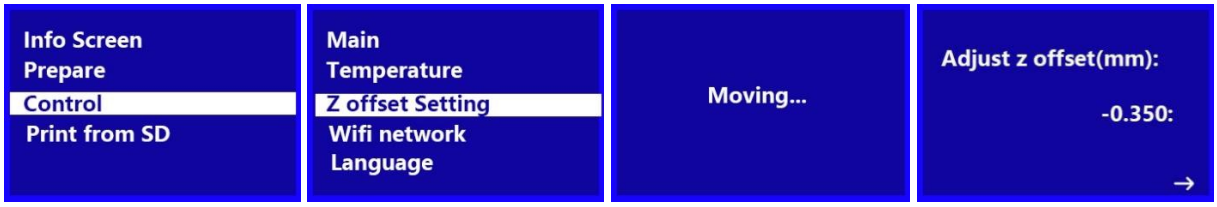
③ Rotate the Knob until the Nozzle option is highlighted, then press the Knob to edit the value.

④ Rotate the Knob to change the Target Temperature, then press the Knob to save the value.

Z Offset Setting

The Z Offset Setting is used to adjust the distance between the Nozzle and the Print Bed. This can be done before printing or during printing. If the distance between the Nozzle and the Print Bed is too small, increase the Z Offset. if the distance between the Nozzle and the Print Bed is too large, decrease the Z Offset. The proper distance between the Print Bed and the Nozzle is when there is a slight amount of resistance when moving a piece of ordinary printer paper between the Nozzle and the Print Bed.

If you changed the Z Offset prior to printing, turn the printer off and then back on to save the setting as the default.



① On the Main Menu, rotate the Knob until the Control option is highlighted, then press the Knob to enter the Control Menu.

② Rotate the Knob until the Z Offset Setting option is highlighted, then press the Knob. The printer will test the distance from the Nozzle to the Print Bed in several places to determine the current Z offset. When it is done testing, the Adjust Z Offset Screen is displayed.

③ Place a sheet of ordinary printer paper between the Nozzle and the Print Bed. Rotate the Knob to adjust the Z offset until there is a slight amount of resistance when moving the paper around between the Nozzle and Print Bed.

④ When the proper Z offset is set, press the Knob to return to the Control Menu.

Connect to Wi-Fi®

① Turn on the printer, then use your mobile phone or computer to connect **ESP32WIFI**.

② Open a browser to the following link on your mobile phone or computer:
http://10.10.0.1:88/
On this page it can automatically scan the nearby WIFI network.

③ Click on the name of your network, enter your WLAN password, click on "Connect" and wait a moment until the WLAN module starts to connect to your network.
Note: The device does not support 5G network.

④ After the WIFI module is successfully connected to the network, the IP address obtained is shown on the display.

Show Wi-Fi® IP

① On the Main Menu, rotate the Knob until the Control option is highlighted, then press the Knob to enter the Control Menu.

② Rotate the Knob until the Wi-Fi Network option is highlighted, then press the Knob to enter the Wi-Fi® Network Menu.

③ Rotate the Knob until the Show IP option is highlighted, then press the Knob to display the network IP address.

④ Press the Knob to return to the Wi-Fi Network Menu.

Wi-Fi Device/Machine Info

① On the Main Menu, rotate the Knob until the Control option is highlighted, then press the Knob to enter the Control Menu.

② Rotate the Knob until the Wi-Fi Network option is highlighted, then press the Knob to enter the Wi-Fi® Network Menu.

③ Rotate the Knob until the Wi-Fi Device Info option is highlighted, then press the Knob to display the Machine Info Screen, which shows the Wi-Fi module name, Wi-Fi module firmware version number, and the IP address.

④ Press the Knob to return to the Wi-Fi Network Menu.

Firmware Update

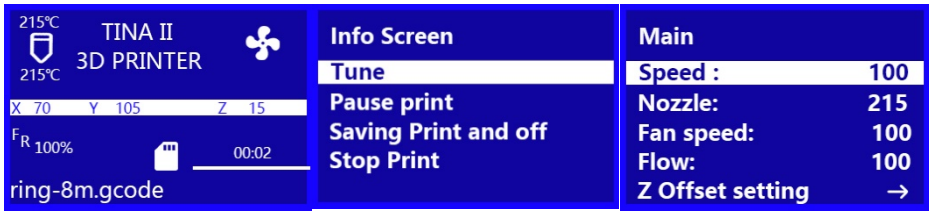
In the event that a firmware update is available, it will be made available on the internet. Perform the following steps to check for the existence of a firmware update and to perform the update, if one is available.

① On the Main Menu, rotate the Knob until the Control option is highlighted, then press the Knob to enter the Control Menu.

③ Rotate the Knob until the Wi-Fi Network option is highlighted, then press the Knob to enter the Wi-Fi® Network Menu.

④ Rotate the Knob until the Wi-Fi OTA Update option is highlighted, then press the Knob. The OTA Update Screen will display. If new firmware has been found, press the Knob to begin updating the printer firmware. If no new firmware is available, press the Knob to return to the Wi-Fi Network Menu.

Changing Parameters While Printing



① With the Printing... Screen displayed, press the Knob to display the Print Control Menu.

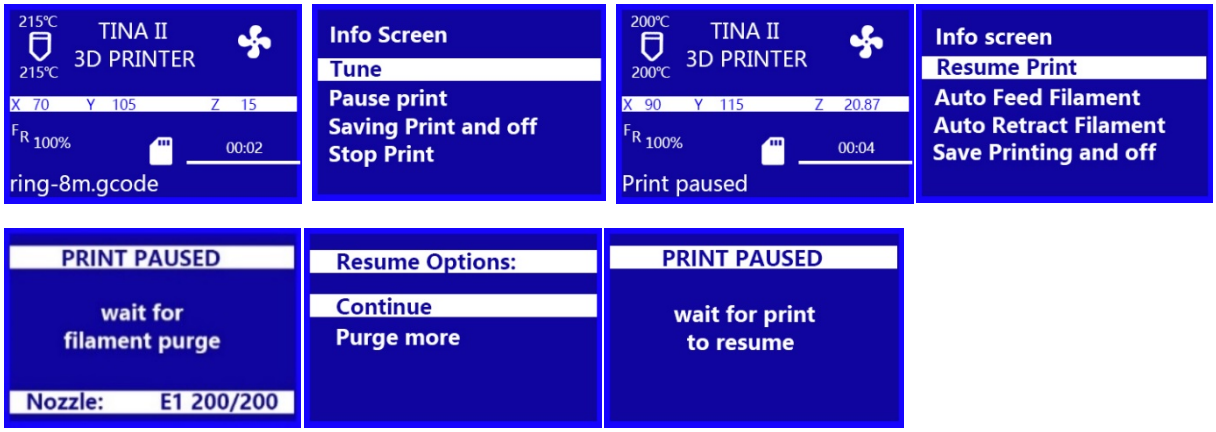
② Rotate the Knob until the Tune option is highlighted, then press the Knob to display the Tune Menu.

③ Rotate the Knob until the parameter you want to adjust is highlighted, then press the Knob to displays that Adjust Screen for the selected parameter.

④ Change the value as desired, then select the Tune option to return to the Tune Menu.

⑤ Repeat for other parameters, as desired.

Pausing and Resuming Print



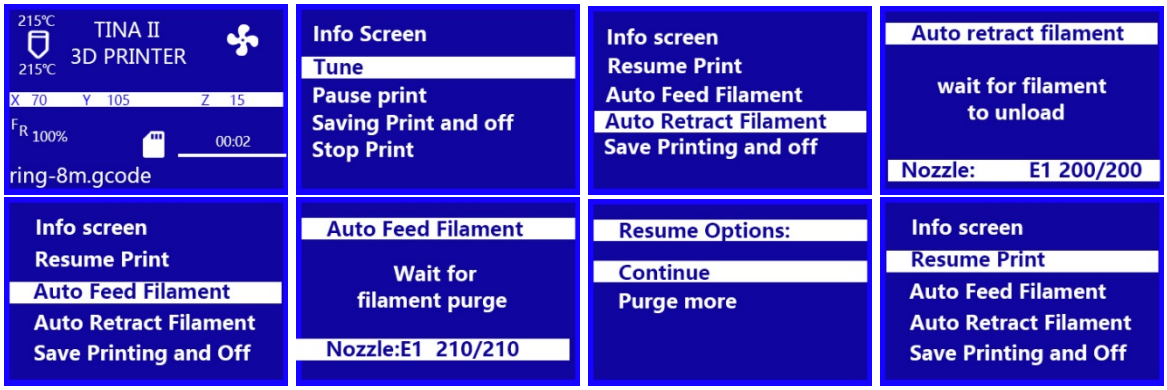
① With the Printing... Screen displayed, press the Knob to display the Print Control Menu

② Rotate the Knob until the Pause Print option is highlighted, then press the Knob to pause the print. The printer will finish the current layer, then will pause printing.

③ When you are ready to resume the print, rotate the Knob until the Resume Print option is highlighted, then press the Knob to resume the print. The printer will heat the Nozzle to the target temperature, extrude a small amount of filament, then display the Resume Options Menu.

④ Clean the extruded filament, rotate the Knob until the Continue option is highlighted, then press the Knob to resume printing.

Changing Filament While Printing



① With the Printing... Screen displayed, press the Knob to display the Print Control Menu.

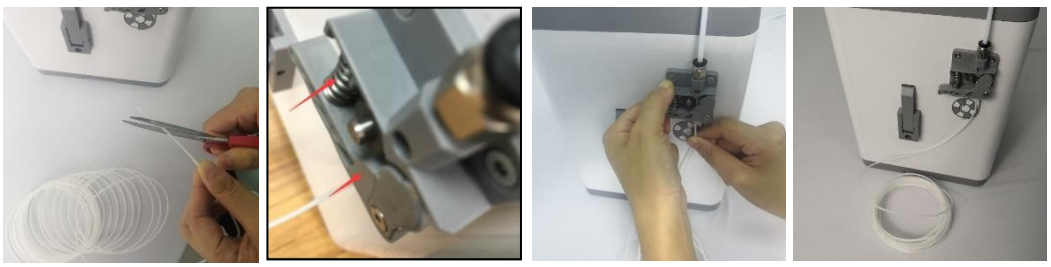
② Rotate the Knob until the Pause Print option is highlighted, then press the Knob to pause the print. The printer will finish the current layer, then will pause printing.

③ Rotate the Knob until the Auto Retract Filament option is highlighted, then press the Knob to start the Unloading Filament process.

④ Once the filament has been unloaded, replace the spool of filament on the Filament Holder with a new spool of filament.

⑤ Using a pair of scissors or side cutters, cut about an inch off the end of the filament, then gently straighten the end of the filament. Squeeze the lever on the Extruder, insert the filament into the bottom until you encounter resistance, then release the lever.

⑥ Rotate the Knob until the Auto Feed Filament option is highlighted, then press the Knob to start the Loading Filament function. The Nozzle will heat to the target temperature, if necessary, then will load the filament and extrude a small amount. Clean the extruded filament.



⑦ Rotate the Knob until the Continue option is highlighted, then press the Knob to continue printing with the newfilament.

Saving a Print

The printer features the ability save a print in progress, so that you can turn the printer off and resume printing at a later time. Perform the following steps to save and resume a print in progress.

① With the Printing... Screen displayed, press the Knob to display the Print Control Menu.

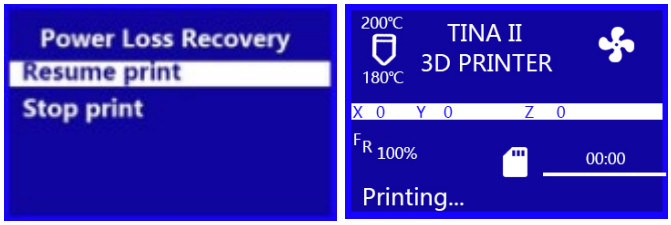
② Rotate the Knob until the Save Printing and Off option is highlighted, then press the Knob to save the print.

③ Wait for printing to stop, then turn the printer off.

④ When you are ready to continue the print, turn the printer on. The Power Loss Recovery Menu will display.

⑤ Rotate the Knob until the Resume Print option is highlighted, then press the Knob to continue the print. The printer will heat the Nozzle to the target temperature, then will resume the print.

Continuing a Print After Power Loss

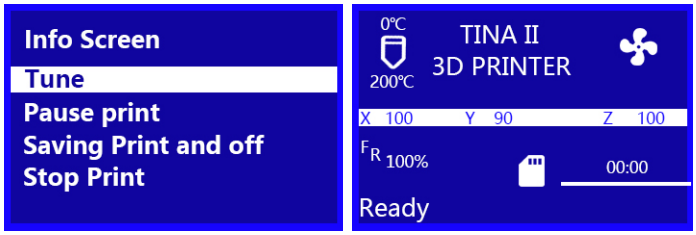


In the event that power is lost for any reason, the printer will remember where it was in the print process when power was lost. Perform the following steps to continue the interrupted print.

① Turn the printer on. The Power Loss Recovery Menu will display.

② Rotate the Knob until the Resume Print option is highlighted, then press the Knob to continue the print. The printer will heat the Nozzle to the target temperature, then will resume printing

Canceling a Print in Progress

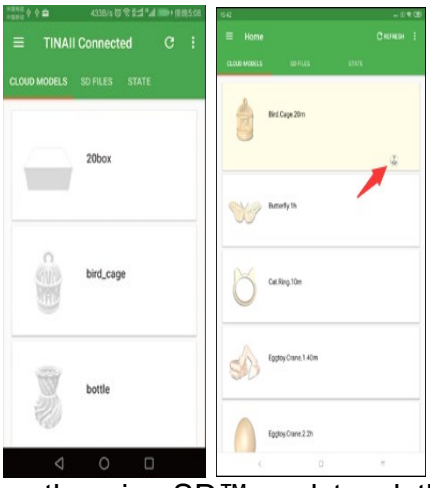


① With the Printing... Screen displayed, press the Knob to display the Print Control Menu.

② Rotate the Knob until the Stop Print option is highlighted, then press the Knob to cancel the print.

Printing with the App

① Launch the PoloPrint app. The app will list models on the cloud. Each model's "card" shows the approximate amount of time it will take to print. To print a model, touch the model's "card", then touch the icon that appears in the lower right corner of the "card". The app will download the model file from the cloud. When the download is finished, it will start printing automatically.



② If you want to view the files on the microSD™ card, touch the SD FILES tab at the top of the screen. The app will display the files on the microSD card. To print a file, touch the "card", then touch the icon in the bottom right corner of the "card".

③ While the model is printing, you can see the progress of the print by touching the STATE tab at the top of the screen.

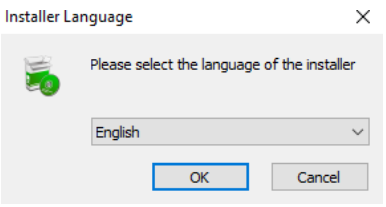
3.2 WiiBuilder Slicing Software

Installation

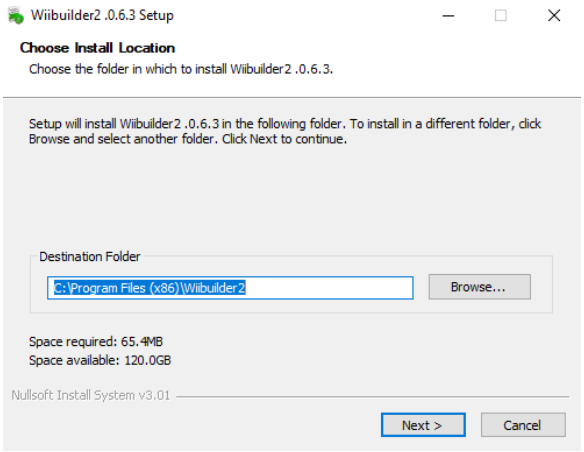
This printer includes a copy of WiiBuilder Slicing Software to turn 3D models into .gcode files for printing from the microSD™ card. The software on the included microSD card has been configured for use with the printer.

To install the software, double click the Wiibuilder2.0.6.3_WEEDO_setup.exe installation file on the microSD card, then follow the steps below.

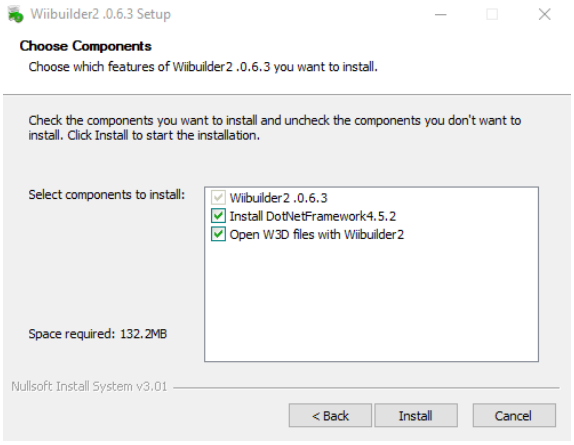
① The installation wizard will first prompt you to select the installer language. The available languages are English, Japanese, and Simplified Chinese. Select your preferred language and click the OK button to continue.



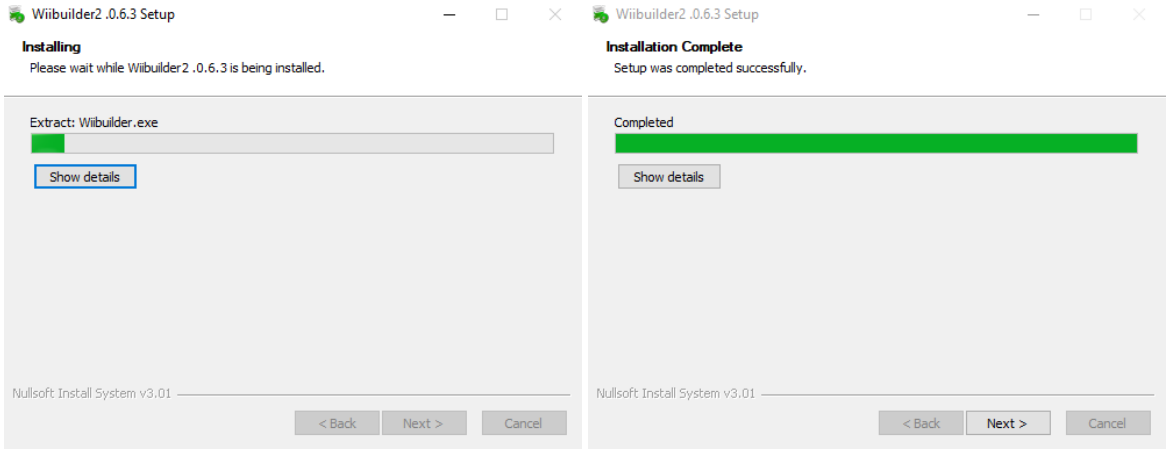
② The installer will then prompt you to select the directory to which WiiBuilder will be installed. If you do not want to use the default directory, click the Browse... button to open the file browser and select your preferred directory. Click the Next > button to continue.



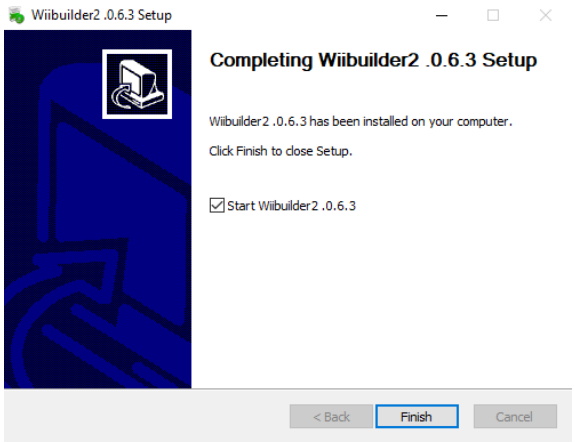
③ The installer will prompt you to select the components you want to install. If you are unsure of which components you need, select all components. Click the Install button to start the installation process. If you already have a component installed, the installer will inform you and skip installation of that component.



④ The install wizard will extract the installation files and install the program. After installation is complete, click the Next > button to continue.

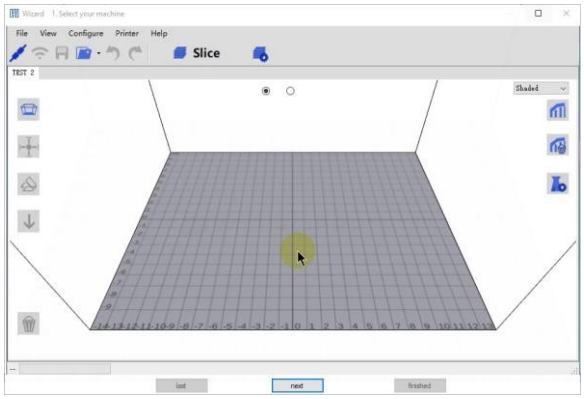


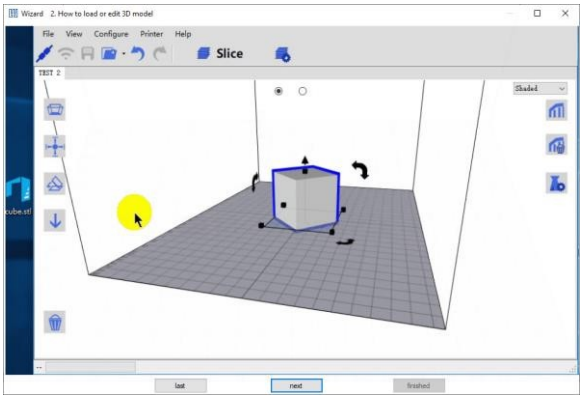
⑤ By default, the installer has the Start Wiibuilder 2.0.6.3 option should be checked. If not, check the box, then click the Finish button to close the installer and launch WiiBuilder.

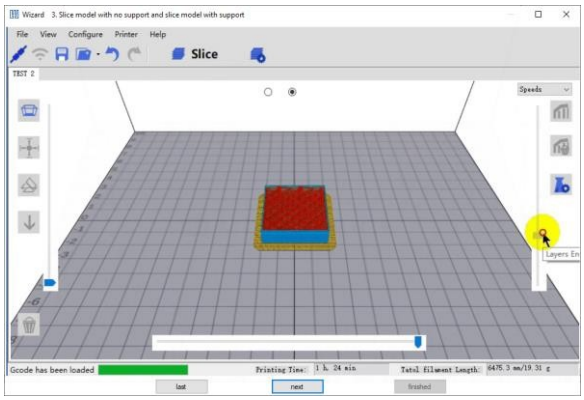


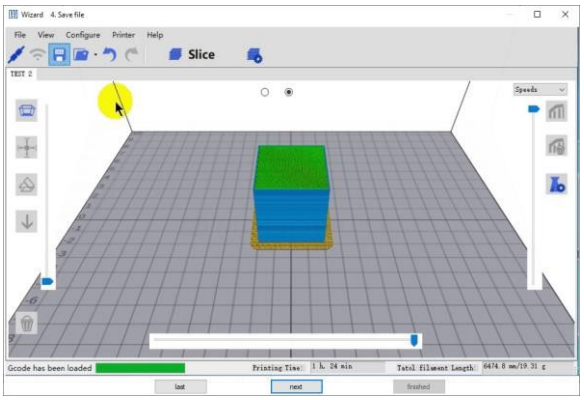
⑥ Once WiiBuilder launches, it will launch a wizard that will display a series of six animated pages that show how to perform several common functions. Click the

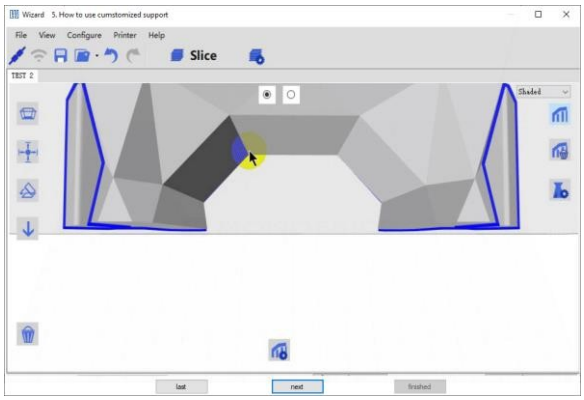
next button button to view the next page. If you want to see a previous page, click the last button. Once all six pages have been displayed, click the finish button to close the wizard.

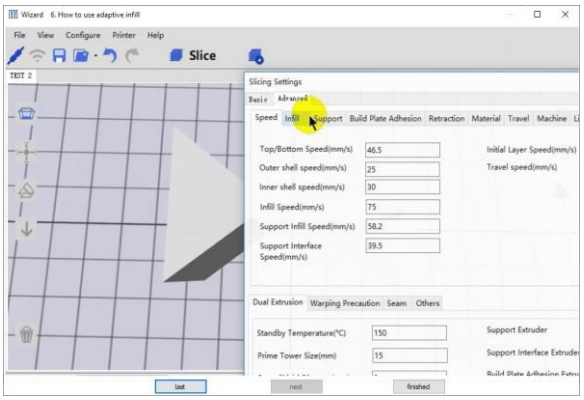




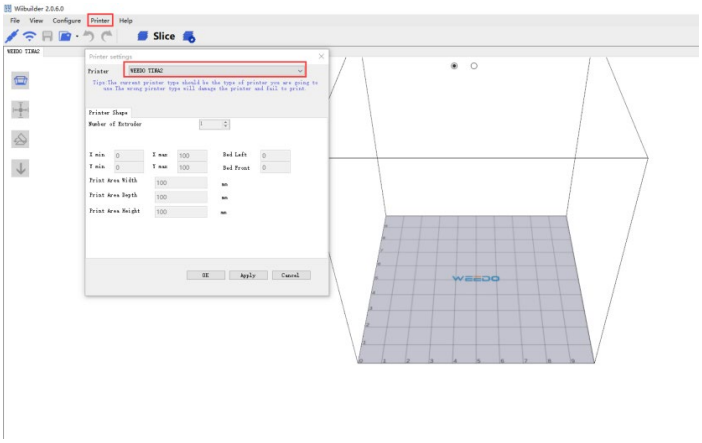




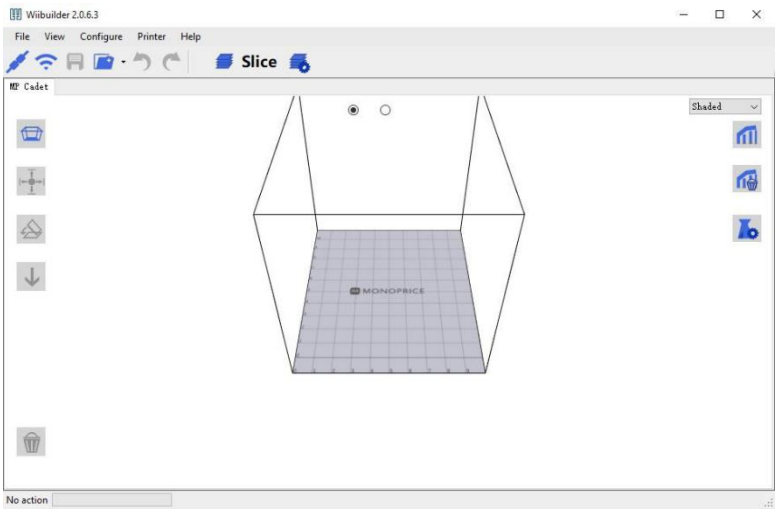




⑦ WiiBuilder now prompts you to select the Machine Type. Select the printer entry, then click the OK button to continue.



⑧ WiiBuilder is now configured and ready for use! If you want to see the wizard again, click Help > RunWizard. If you want to read the product manual, click Help > Manual.



Chapter 4: Warranty and service

Warranty

The warranty period for this device is 5 years and begins on the day of purchase.

Please keep the proof of purchase (receipt/invoice) carefully as proof of purchase.

During the warranty period, defective units will be accepted by the local dealer or, if necessary, sent in directly by you. In any case, the shipment must be at your expense. In case of a warranty claim, the postage costs will be refunded. You will then receive a new or repaired device back free of charge. The decision whether to repair or exchange the device is up to us.

Excluded from this guarantee are accessories/components such as mounting plates and foils, acrylic glass/plastic elements, USB/removable storage media, filaments and coils, adhesives, resins/greases, vessels and containers, tools etc.

The guarantee expires if defects in the object of purchase are due to the following circumstances:

- improper use
- negligent or intentional damage through own fault and/or unauthorised third parties
- Repairs or alterations carried out by third parties without our order
- Changes or damage due to force majeure (storms, hail, fire, power failure, lightning, Flooding, snow damage, frost and other impacts of animals, etc.)

The guarantee also expires if a damaged and/or illegible or incomplete sales receipt is presented.

The rights arising from the guarantee exist independently of the statutory warranty claims.

The guarantor is BRESSER GmbH, Gutenbergstr. 2, 46414 Rhede, Germany.

After the warranty period has expired, you also have the possibility to send a defective device for repair. Repairs after the warranty period are subject to a charge. You will receive a cost estimate from us before the repair is carried out.

In case of a return please note the following:

Make sure that the article is sent carefully packed. If possible, use the original packaging. Fill out the Service Form and enclose it with the proof of purchase.

Service

You can contact the BRESSER service team if you have problems with the 3D printer. If questions or problems are not covered in this manual, you can look for solutions on our official website or contact us by phone.

Our Knowledge Base provides solutions and instructions for frequently occurring problems. It is recommended that you search for a solution there first, as the most common questions are answered there.

http://www.bresser.de

Email：service.3d-printer@bresser.de

You can reach the BRESSER service team by phone or e-mail from Monday to Saturday, 8:30-15:30 (CET). If you contact us outside these business hours, we will answer your request on the following working day.

Note: Due to different filaments the extruder can be blocked. This is not a quality problem and is outside the range of 400 hours of operation. If this problem occurs, please contact customer service and carry out cleaning according to the instructions provided there.

Service

DE AT CH BE

Bei Fragen zum Produkt und eventuellen Reklamationen nehmen Sie bitte zunächst mit dem Service-Center Kontakt auf, vorzugsweise per E-Mail.

E-Mail: service@bresser.de
Telefon*: +49 28 72 80 74 210

BRESSER GmbH
Kundenservice
Gutenbergstr. 2
46414 Rhede
Deutschland

*Lokale Rufnummer in Deutschland (Die Höhe der Gebühren je Telefonat ist abhängig vom Tarif Ihres Telefonanbieters); Anrufe aus dem Ausland sind mit höheren Kosten verbunden.

GB IE

Please contact the service centre first for any questions regarding the product or claims, preferably by e-mail.

E-Mail: service@bresseruk.com
Telephone*: +44 1342 837 098

BRESSER UK Ltd.
Suite 3G, Eden House
Enterprise Way
Edenbridge, Kent TN8 6HF
United Kingdom

*Number charged at local rates in the UK (the amount you will be charged per phone call will depend on the tariff of your phone provider); calls from abroad will involve higher costs.

FR BE

Si vous avez des questions concernant ce produit ou en cas de réclamations, veuillez prendre contact avec notre centre de services (de préférence via e-mail).

E-Mail: sav@bresser.fr
Téléphone*: 00 800 6343 7000

BRESSER France SARL
Pôle d'Activités de Nicopolis
314 Avenue des Chênes Verts
83170 Brignoles
France

*Prix d'un appel local depuis la France ou Belgique

NL BE

Als u met betrekking tot het product vragen of eventuele klachten heeft kunt u contact opnemen met het service centrum (bij voorkeur per e-mail).

E-Mail: info@bresserbenelux.nl
Telefoon*: +31 528 23 24 76

BRESSER Benelux
Smirnoffstraat 8
7903 AX Hoogeveen
The Netherlands

*Het telefoonnummer wordt in het Nederland tegen lokaal tarief in rekening gebracht. Het bedrag dat u per gesprek in rekening gebracht zal worden, is afhankelijk van het tarief van uw telefoon provider; gesprekken vanuit het buitenland zullen hogere kosten met zich meebrengen.

ES IT PT

Si desea formular alguna pregunta sobre el producto o alguna eventual reclamación, le rogamos que se ponga en contacto con el centro de servicio técnico (de preferencia por e-mail).

E-Mail: servicio.iberia@bresser-iberia.es
Teléfono*: +34 91 67972 69

BRESSER Iberia SLU
c/Valdemorillo,1 Nave B
P.I. Ventorro del Cano
28925 Alcorcón Madrid
España

*Número local de España (el importe de cada llamada telefónica dependen de las tarifas de los distribuidores); Las llamadas des del extranjero están ligadas a costes suplementarios..

Bresser GmbH
Gutenbergstraße 2
46414 Rhede · Germany

www.bresser.de

@BresserEurope