EasyThreed®

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CONTENT

SAFETY WARNINGS AND GUIDELINES

INTRODUCTION OF STARTING UP

AFETY WARNINGS AND GUIDELINES

filament and the heated print platform.

place the machine in a ventilated, cool, dry area.

power outlet immediately to stop use.

INTRODUCTION

PACKAGE CONTENT

PRODUCT OVERVIEW

Z axis Home

ΕN

Retract

Feed

Be sure to remove the "Grantry clips" located on the front left and front right corners of the printer

0.4mm

180 - 230°C

10-40mm/s

95x110x110mm

Windows, Mac

STL. G-code

5°C ~ 35°C/ 40°F ~ 95°F

INTRODUCTION OF STARTING UP

100 ~ 240V AC, 50 / 60Hz

BASIC PARAMETER

Nozzle Diameter

Print Speed

Building Size

File Format

Power Input

1. Power On

Extruder Temperature

Compatible Systems

Working Temperature

button (will light up.

power supply to power off).

slicer, we supply teach manual)

G-code file.

PRINTING

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1. Load Filament & Feed

to stop it running back.

press \bigoplus button to finish feed.

3. Pause/Restore

printer goes back to print.

again to finish the retract.

Platform Leveling

of a sheet of A4 paper.

please turn off the power,

without scratching it).

5. Unload Filament, Retract

4. Stop Print

when the printer is powered on

2. Slicer Software Installation and Set Up

ware which is pre-installed in the TF card.

card to printer, then create the selected model.

(1) Insert filament into the print head tube until it can not go further, and gentle press the filament

Before installing and using this machine, make sure to read the following contents. Please do not use this machine with the methods not described in this

1. Take care to avoid touching hot parts, including heat blocks, extruder nozzle,

7. Always allow the printer and extruded filament to cool before reaching inside. 8. Do not install the machine on an unstable surface where it could fall.

9. When printing with PLA filament, the plastics will create a light odor. Please

10. Do not expose the machine to water or moisture. If moisture does get in the machine, please unplug it from the power outlet and allow it to fully dry. 11. If the machine discharges smoke when printing, please unplug it from the

TF card poi

USB port

Install filament holder and filament

PLA

PLA: 180°C

0.05 ~ 0.2mm

210x188x198mm

TF card, USB

60W

30% ~ 90%

NANO plus , CURA,

Print Material

Melt-down

Temperature

Machine Size

Connection Type

Slicer Support

Maxinum Power

Working Humidity

Insert power supply to power port of the printer control box. After powering up, the

(Note: If printing is finished or no need to use for quite a long time, please unplug

(1) This 3D printer has its independently developed slicing software named Easy

Please copy Easyware file to your computer and no need installation. Or You can download software Easyware from EasyThreedofficial website directly. And you can watch Slicer operation video in EasyThreed 3D Youtube channel. Easyware slicer can recognize STL file format. (if you want better printing quality, you need to learn how to use CURA

Convert STL file format to G-code format, and save it to TF card, and insert TF

(2) Create your own G-code file using other open source programs, such as Cura or Repetier-Host. These programs use the machine specific information to generate a

To learn more about how to install and operate slicer software, please access to

(2) Click button, the button light turn on and flash at a fast rate (take for 1 minute), the nozzle is heating; After the button light off, the machine begin to feed, it feeds successfully when there is regular silk come out of the nozzle. Then you can

Precaution: Make sure the distance between the nozzle and printing bed is 3cm at least. If no enough space, press the button property for 3 seconds then release hand, Z axis will go up 1cm (when the machine stopped printing, press () for 3 seconds then release, every time the nozzle will go up 1cm, users can decide the height).

Please be patient. It will take a few minutes for the nozzle and hotbed to warm up (the Printer

During printing, Click igodeta , the button light stops flashing, then printing paused. If need to continue print, Click () to restore, the button light flashes again, the

If you want to stop print during printing, long press button () for 3 seconds then

If users want to change filament or keep the machine stop working for quite a long time, then need to unload the filament, Click $\ igoplus$ button and draw out the filament. (If the machine stopped printing for more than 5 minutes and extruder become cold, then need to wait for 1 minute to reheating before retracting). Click 🔾 button

After print, remove the platform, and easy to take off the object.

When printing, if the model does not stick well to the platform,

You don't need to level the platform for the first time, because the platform has been adjusted Please adjust the distance between the nozzle and the platform in 1) 2 3 4 points. The nozzle height above the build platform should be 0.1mm, which is the thickness

(2) Move the nozzle to point ①. Put a sheet of paper between the nozzle and the print platform. If the distance is too far, Please turn the screw anti-clockwise, Raise the platform to standard distance. If the distance between the nozzle and the platform is too close, Please turn the screw clockwise, Lower the platform to standard distance. (check the distance is right or not. That is, when drawing A4 sheet, the nozzle should be attached to the A4 sheet

fter turn off the power ,then you can move the X axis and Y axis by hand

Screw (adjust height) clockwise to lower the platform ,

ΕN

anti-clockwise to raise the platform

you need to adjust the height of the platform

(1) Click the button (a), Z axis will move to home position.

(3) Follow the same way to adjust another 3 points 2 3 4.

(1) (2) (3) (4) four points, leveling is finished and succeed.

Please turn on the power again after platform leveling

the inner circuit to avoid fire or electronic shock.

and bed is the thickness of a piece of A4 paper.

Q2: Why the filament do not come out from the nozzle?

air the machine body with a fan when the printer is working . 5 Recommended humidity for the working environment is 30%-90%.

Q1: Why is the printing model not adhesive to the printing bed?

MAINTENANCE

choking for next printing.

accident.

FAQ

main board well.

A3: Check if the nozzle is blocked.

Q3, The problem of print model misplaced

A3, the nozzle is forced to stop printing Path:

enough, the nozzle will be forced to move abnormally.

to generate new Gcode file.

A4, Power supply is not stable

change the default value 100% to be 80%.

the appearance effected or dimension changed.

A4, The inappropriate printing filament

board.

remove.

distance is too large.

original file problem.

180-230°C.

(4) When the distance between the nozzle and the platform all is right distance in

High quality filament which is preferred to be used. Various of filament are available on the market, and quality is much different too. poor quality filament may cause broken or nozzle jam, Please choose high quality

Safety Warning Burning, keep your fingers away from the NOZZLE and BLACK INSULATOR when the printer is working as temperature in this area reaches over 200 Celsius degree. Always be sure to keep your hands away from moving parts when it is working.

1 Do not use the methods that are not mentioned in this manual to disassemble or modify this machine, to avoid damage to this printer or may cause other serious

2 When the power is off , regularly clean the machine with a piece of cloth to wipe off dust and residue, if the cloth is wet , do not use inflammable liquid to contact

3 When printing finished, clean the residue in nozzle and extruder, to avoid nozzle

4 Recommended temperature for working environment is 5°C-35°C. Please do not

A1: The nozzle is too far away from the bed, the proper distance between the nozzle

A1: Check the filament feeder. If it's external gearfeeder, then to observe whether gear rotates or not. If it's built-in stepper motor feeder, then to observe if the motor is working with a little sound. Otherwise, check if filament feeder is connected to it's

A2: Check temperature. Printing nozzle temperature of PLA material range s from

Heat the nozzle to 230°C for PLA, push the filament gently, if there is still no filament come out, then need to disassemble the nozzle, clean or replace it.

A4, Check if nozzle is too close to platform, if so, the filament can not come out, so

A1, The model did not slice properly, need to re-slice or change the model position

A2,The model file problem, if the model is still misplaced after re-slicing, it's the

First, make sure you have not touched the nozzle when the machine is printing. Second, if there is filament residue on the top layer, the residue area will become larger gradually, when it's accumulate to a certain amount and become stiffer

Check if large power electrical equipment is working while the machine is printing, dislocation happens when some equipment turns off such as air conditioner, if so, you need to connect a voltage stabilizer to the printer power supply. Otherwise, observe if the nozzle is blocked at a certain position, if so, the power supply on X,Y,Z axles are not even, then need to adjust the X,Y, Z electric current on the main

A5, If the above solution can not solve the misplace problem, the dislocation mostly happen at the same height for various models, then need to change the mother

A1.1, Nozzle temperature is too high, filament melt too fast and caused overflowing.

A1.2, The filament flow is too large, there is filament flow setting in slice software,

A1.3, Filament diameter setting problem, it's in slice software, the default settings are different, there are both 1.75mm and 3mm filament on the market, for 1.75mm, the diameter should be 1.75, but for 3mm, the diameter should be 2.85 or 2.95,

A2.1, The support density should be as lower as possible, 10% is proper, it's easy to

A2.2, Trim the model with a grinding tool, rub gently with a towel and dip a little acetone, make sure to ware gloves before hand, and do not wipe too long to caused

A3.1, The first layer is not formed, or the models are without edges or corners if

A3.2, The nozzle will scratch the platform and no filament come out of the nozzle if

With the maturity of 3d printing, various of filaments are available on the market,

distance is too close, the proper distance is the thickness of an A4 paper.

but the compatibility for filament and printers are particularly important.

A2, Poor surface after removing the support for FDM technology.

A3, The inappropriate distance between the platform and nozzle.

ΕN

Q4, Why the printing accuracy is quite different from the real model A1, There is a lot of filament piled up on the model surface

adjust the distance between nozzle and platform with a piece of A4 paper.

Note: when the hotbed is heating up, pressing the home key has no function

Click (button, and the button light flashes regularly, printing starts

release, the machine will stop printing, then printing cancelled.

will choose the latest G-code file to print automatically).

Warm Notice: there is a gcode file inside the TF card when it come from factory

Precaution: Do not to move the X axis and Y axix with hand

Layer Thickness

Thanks for purchasing EasyThreed NANO plus 3D printer. It's a 3D printer

machine for beginners. Enjoy the happiness of creation.

2. Keep the machine and all accessories out of reach of children. 3. Please use the power cord supplied with this machine. 4. This machine applies to 110 - 240V power supply. 5. Do not pull or twist the black cable at any time. 6. Do not reach inside the machine during operation.

PACKAGE CONTENT

INTRODUCTION

PRINTING

FAQ

EN

MAINTENANCE

user manual.

BASIC PARAMETER

ΕN

1

2

3

5

6

8

ΕN

wer port