Delta Rostock mini G2 Pro

3D Printer Assembly Manual

SUPPROT

Thanks for choosing Geeetech, we strive to provide a satisfied and pleasant shopping experience for you, but we do understand there may be some questions you may encounter in using our product. If so, you can contact us directly or post on our forum, our technique staff will help you resolve it. For more detailed information, please visit Geeetech website.

For detailed instructions, please download here:

https://goo.gl/GuP4Sg

For detailed building videos, please check at YouTube:

https://goo.gl/5etsos

Subscribe our YouTube channel for more videos.

https://www.youtube.com/user/geeetech

Join our geeetech 3D printer user club.

https://goo.gl/GhJbe3

Feel free to drop a line at technical@geeetech.com .

Copyright Declaration

For More Geeetech Products

If you are interested in the technology of 3 D printing, flight control and U-home, welcome to Geeetech, we have series of made-up products, main boards, modules and a variety of peripherals for you. Or if you are looking for relevant information or technical support, please log in our Forum where you can find anything you want about open source. To know more about our new products, please visit www.geeetech.com , we will serve you wholeheartedly.

SAFETY INSTRUCTIONS

Building the printer will require a certain amount of physical dexterity, common sense and a thorough understanding of what you are doing. We have provided detailed instructions to help you assemble it easily, please download at geeetech.com.

However ultimately we cannot be responsible for your health and safety whilst building or operating the printer, with that in mind be sure you are confident with what you are doing prior to commencing with building or buying. Read the entire manual to enable you to make an informed decision.

Building and operating involves electricity, so all necessary precautions should be taken and adhered to, the printer runs on 12V supplied by a certified power supply, so you shouldn't ever have to get involved with anything over 12V but bear in mind there can still be high currents involved and even at 12V they shouldn't be taken lightly.

High temperatures are involved with 3D Printing, the Extrusion nozzle of the hot end can run about 230 ℃, the heated bed runs 110 ℃

and the molten plastic extruded will initially be at around 200 ℃, so special care and attention should be made when handling these parts of the printer during operation.

We wouldn't recommend leaving your printer running unattended, or at least until you are confident to do so. We cannot be held responsible for any loss, damage, threat, hurt or other negligent result from either building or using the printer.

INTRODUCTION:

This Rostock mini G2 pro is a upgraded delta 3D printer redesigned by Geeetech.

Compared to its predecessor, this G2 pro has two major merits, it looks cooler and it works better.

The printing effector of the G2 pro is upgraded with metal parts, which are more durable and stable than the prints. The whole machine is craft out of high-quality aluminum and laser cut acrylic plate, making it more stable and smooth when printing, improving the printing accuracy and speed to a higher level.

An metal auto-leveling device is also improved on G2 pro; which means you do not have to adjust it every time before you start printing, and with this new metal leveling device, the calibration will be more accurate.

PACKAGE LIST:

This list includes all the parts required to assemble your Delta Rostock mini G2 pro 3D Printer. After you received your package, please check if all the parts listed are included. Also make sure all the components are in good condition and not damaged during shipping. If anything is missing please contact with our customer service straight away, provide us the NO. , Name, and Qty.

Mechanical parts				
No	Name	Specifications	Qty	Pic
1	Smooth Rod	D10 L500mm	6	
2	Spool	D8 L120mm	1	

3	Rod-end bearing holder	D6.5 23mm	12	
4	Diagonal Rod	With rod-end bearing	6	
5	M3 Washers	M3	101	
6	M4 Washers	M4	15	
7	M5 Washers	M5	4	
8	M8 Washers	M8	12	
9	Nut	M2.5	6	
10	Nut	M3	8	
10A	Nut	M5	24	

11	Lock nut	M4	3	
12	Wing nut	M3	6	
13	Square nut	M3	27	
14	Hex Counter-sunk-head screw	M3x30 mm	3	
15	Round head screw with pad	M3 x 8 mm	12	
16	Screw	M2.5x8mm	2	
17	Screw	M2.5x16mm	8	
18	Screw	M3x8mm	18	
19	Screw	M3x12mm	32	
20	Screw	M3x16mm	32	
21	Screw	M3x20mm	2	

22	Screw	M3x25mm	8	
23	Screw	M3x40mm	3	
24	Screw	M4x8mm	12	
24A	Screw	M4x12mm	4	
25	Screw	M4x16mm	2	
26	Screw	M4x25mm	3	
27	Screw	M5x16	12	
27A	Screw	M5x20	12	
28	Spring	4.0x 20（for heat bed）	3	
29	Spring	3.5*30 （ for endstop trigger)	4	
30	locking ring	M8 With Jimmy bolt	1	
31	Ball Bearing	MR84zz （Placed in No.32）	6	

32	Driven wheel		3	
33	Driven wheel holder	Sheet metal part	3	
34	Pulley	20 tooth	3	
35	Linear Bearing	PCS10UU	6	
36	Timing Belts	2GT L=1200mm	3	
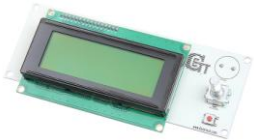
37	Spacer	With Aircraft type end	8	
38	Nylon ties		20	
39	Feeding pipe	PTFE L=600mm	1	
40	Spiral Coil	3 meters	1	
41	Sticker		2	
42	Heat sink	9*10*5mm	4	

43	Probe	Φ3 L60mm	1	
Electronic parts				
44	End stop	2-pin Blue--1pcs, Red----2pcs Black-1pcs	4	
45	Fan	40x40x10mm	1	
46	Extension wire	3Pin Male-3Pin Female	1	

47	Fan	30x30x10mm (with 1200mm extend wire)	1	
48	Knob	For LCD control	1	
49	LCD 2004	LCD2004+ cable	1	
50	Control board kit	GT2560+4 A4988	1 set	
51	USB cord	A-BA	1	

52	Thermometry wire	2pin(pasted on heatbed)	1	
53	Heating Wire	30cm(soldered on heatbed)	2	
54	Heatbed	Round	1	
55	Stepper motor	Nema 17	3	
56	Extruder		1	

57	Hotend	MK8 hotend	1	
58	Power Supply Unit	AC Input: 115V/1.5A 230V/0.75A DC Output：12V/0-15A	1	
59	3D printer Power Cable	With plug	1	
60	Power Cable	Connect board to PSU	1	
Acrylic parts				

A1	Top plate	RK-01	1	
A2	Base plate	RK-02	1	
A3	Motor holder	RK-03	3	
A4	Motor holder support	RK-04	6	
A5	Drive wheel mount	RK-05	3	
A6	Endstop mount	RK-06	3	

A7	Fan mount	RK-07	1	
A8	LCD frame	RK-08	1	
A9	LCD support	RK-09	2	
A10	Spool holder Side panel	RK-10	1	
A11	Spool holder Side panel	RK-11	1	

A12	Carriage mount	RK-12	3	
metal parts				
M1	Spider		1	
M2	Fan mount		1	
M3	Probe Lock ring	with M3*3 screw	1	
M4	Probe mount		1	

M5	Belt mount		3	
M6	Endstop trigger mount		3	
M7	Diagonal Rod joint		6	
M8	Building platform	Round aluminum plate	1	
Free add-on				
F1	Ejector pin		1	

F2	File		1	
F3	Screw-driver		1	

*The acrylic plate for the spool holder and the LCD frame are 5mm.

GENERAL CARE AND MAINTENANCE

As with all the electronic equipment, it is important to keep your printer clean to extend its life. Regularly remove dust and debris with a microfiber cloth or compressed air. Dredge the tube and the nozzle after use every time to ensure fluent performance.

- Don't leave the heaters on the printer turned on for a long periods of time when not used.

- Don't leave your printer in shady and moist places, which may exacerbate the problems associated with erosion.

- The three axes of the GEEETECH I3 Pro B are lubricated with grease for smooth operation and can last for a long time. Grease may need to be re-applied to your printer to maintain smooth performance.

- Avoid positioning your power supply unit in such a way that the brick is hanging, pulling, or putting any unnecessary stress in the electrical wires and components.

GEEETECH

www.geeetech.com