

Geeetech A10T 3D Printer

User Manual (V1.00)





Content

1 A	ttention	4
•	1.1 Safety instructions	4
•	1.2 Factory test before delivery	4
•	1.3 Risk statement	4
2 N	lachine parameters	5
3 P	acking list	6
4 N	1achine Overview	7
5 A	ssembling	8
•	5.1 Assembling the main frame	8
•	5.2 Wire connection	10
•	5.3 Check the power input mode	13
•	5.4 Check the filament	14
6 Fi	rst print	16
·	6.1 Level the print bed	16
·	6.2 TF card printing	18
7 In	troduction to the LCD menu	20
·	7.1 Tree diagram	20
·	7.2 Main functions	21
8 So	oftware setting	28
•	8.1 Install driver	28
•	8.2 Install slicing software	30
·	8.3 USB printing	39
·	8.4 TF card printing	43
9 C	olor Mixer	45
·	9.1 Download	45
·	9.2 Introduction	45
10	Function introduction	50
•	10.1 Power loss-resuming capability	50
•	10.2 Reset button	50
•	10.3 Filament run-out sensor (Optional)	51
•	10.4 3D touch for auto bed leveling (Optional)	51
11	FAQ (Frequently Asked Questions)	52
•	11.1 Abnormal extrusion	52
·	11.2 The gear of the extruder skips and makes an abnormal noise	
·	11.3 First layer abnormal	52
•	11.4 Layer shift	53
•	11.5 Print stopped	53
12	Declaration	54
•	12.1 Terms	54
•	12.2 Disclaimers	54



Thank you for choosing Geeetech products!



[Important] Please read the instruction manual carefully before using this machine.



Official site: https://www.geeetech.com/



Email us for technical support: <u>https://www.geeetech.com/contact_us.htm</u>



Facebook Group:





1 Attention

1.1Safety instructions

• Please switch to the correct local voltage (110V-220V) before turning on the printer. Be sure the switch is in the correct position or it will damage the power supply unit (PSU).



- Be sure all wires are correctly connected before turning on the printer.
- Don't touch the extruder head or hot bed when printing as they generate high temperature which may cause burn.
- Don't leave the printer unattended when printing.

1.2Factory test before delivery

In order to ensure the quality, each printer is tested in the factory before delivery. As a result, there may be residue in the extruder head or on the hot bed, but it should not affect normal use. We provide the spare nozzle in the accessory kit just in case.

1.3 Risk statement

- Before color is mixing or monochrome printing, make sure that there is the filament in the feeding tube on both sides of the extruder head to prevent back flushing of the molten filament inside the extruder head, resulting in clogging.
- 2) Make sure there is filament in feeding tubes on the both side of extruder head even using a single-sided extruder for monochrome printing, moreover the filament in the other feeding tube cannot be pulled out during the printing process.
- 3) Please do not disassemble the printer without permission. If there is any problem, please contact the after-sales service.



2 Parameters

1) Printing parameters

Printing technology: FDM Printing volume: 220*220*250mm³ Printing accuracy: 0.1~0.2mm Positioning precision: X/Y: 0.011mm Z: 0.0025mm Printing speed: 60mm/s Nozzle quantity: 3-in-1-out single nozzle Nozzle diameter: 0.4mm Filament: Diameter 1.75mm;ABS/PLA, etc. Environment temperature: 10°C-40°C Operating system: Windows/Mac/Linux Slicing software: Repetier-Host, EasyPrint 3D, Cura File format: .STL/.Gcode

2) Electrical parameters

Power input: 100-120V/200-240V Power output: DC24V/14.6A, 350W Connectivity: TF card, USB Display screen: LCD2004 screen

3) Mechanical parameters

Printer size: 478x413x485mm³ Package size: 530x470x282mm³ Net weight: ~7.96kg Gross weight: ~ 9.98kg



3 Packing list

Please check the parts/accessories when you receive the printer (As shown below). If any spare parts are missing, please contact your sales representative.

	eccentica Elife	
Gantry kit	Bottom kit	Extruder motors (3 sets)
		Giana Alot
Filament detector kit (3 sets)	PSU kit	LCD display kit
	11/17	
Gantry and base installing screws	Power and LCD screen installing screws	Power cord
Filament holder kit(3 sets)	Tool kit	Mouse pad
TF Card	User guide	Nozzles *2
000		Ò
Filaments (3 random colors)	Teflon tube & Zip ties	USB cable



4 Machine Overview



(Picture 4-3)

Gantry kit; 2LCD2004 screen; 3Knob; 4Reset button; 5USB port;
 GTF card slot; 7Y axis; 8Bottom kit; 9Z axis end stop; 1X axis end stop;
 Remote extruder motors (3 sets); 2Teflon tube; 3Extruder head; 4Hot bed; 5X axis motor; 1Z axis motor; 1Y axis motor; 18Y axis end stop; 9PSU; 2Power Toggle switch; Extruder wire connector; Power switch; power plugs



5 Assembling

5.1Assembling the main frame

The main frame consists of the following components: Gantry kit, bottom kit, LCD display kit, PSU kit, Extruder motors (3 sets), Filament holder kit (3 sets) and its associated screws. See picture (5-1)

	Accenced Anne Carlor	
Gantry kit	Bottom kit	Extruder motors (3 sets)
	0000	11/17
Filament holder kit (3 sets)	Gantry and base installing screws	Power and LCD screen installing screws

(Picture 5-1)

The gantry and bottom frames are assembled from the bottom of the machine with 4 M5x45 screws and 4 spring washers M5. See picture (5-2).



(Picture 5-2) Fix the PSU to the gantry frame with 2 M4x20 screws. See picture (5-3).





(Picture5-3)

Fix the LCD to the correct holes on the right side of the base with 2 M5x10 screws. See picture (5-4).



(Picture 5-4)

Assemble and fix the three sets of extruder units to the back side of the top gantry as shown in picture (5-5).







•

Shenzhen Getech Technology Co.,Ltd

Filament holder kit was assembled as shown in Picture (5-6) with 4 M3x16 screws, 4 M3 nuts and 4 M3 spring washers, a total of 3 sets were assembled.



(Picture 5-6)

5.2Wire connection

• Insert the three Teflon tubes into the quick-insert connector of the three extruder kits respectively. Details see picture (5-7).



(Picture 5-7) Insert the LCD cable into LCD socket behind the LCD screen. See picture (5-8).



(Picture 5-8) Connect two sets of power cables (note: can be connected arbitrarily without order)



See picture (5-9).



(Picture 5-9)

Plug the extruder cables into the socket of the extruder head adapter plate, and the buckle must be fastened. See picture (5-10)



(Picture 5-10) Connect the motor wires of E0, E1 and E2. See picture (5-11).



(Picture 5-11)

Then the extruder wire and the motor extruder wire are fixed into the small hole on the backside of the screw with the Cable tie to avoid the wire harness touching the model during printing. In addition, the position the harness fixed needs to reserve the length of the Z-axis at the maximum height. See picture (5-12).





(Picture 5-12)

Connect the X-axis motor and the X-axis limit switch wire. See picture (5-13).



(Picture 5-13) Connect the Y-axis motor and the Y-axis limit switch wire. See picture (5-14).









(Picture 5-15)

5.3Check the power input mode

The factory default voltage is 230V. You need to choose the correct voltage according to your local standard requirement. See picture (5-16) Note: Be sure the voltage is switched to the correct one.





(Picture 5-16)

5.4Check the filament

Put the filament on the spool holder. Please pay attention to the feeding direction of the filament. As shown by the arrow in (5-17).



(Picture 5-17)

Press down the lever handle of the extruder and insert the filament into the feeding tube until it reaches the extruder head. Since the filament is bent, so you need to straighten the front of the filament by hand and sharpen them with diagonal pliers or scissors to make it easier to insert it into the head. See picture (5-18).





(Picture 5-18)

When print PLA, set the target nozzle temperature about **190-210**°C. When the temp is stable, control the extruder filament feeding on LCD screen (**"Move axis"**), feed until there is molten material flowing from the nozzle.

Observe the nozzle, if there is no filament stuck and the filament is coming out smoothly, then stop filament feeding, clear the nozzle with tweezers. See picture (5-19).



(Picture 5-19)



6First print

6.1 Level the print bed

The first layer is key to a successfully printed model. The factory default setting is a little high in order to avoid scratching the hotbed with the nozzle, so users need to adjust the distance between nozzle and hotbed again. After the first-time bed leveling, users may need to level the bed again in future.

1) Rough leveling

Home the printer first ("**Prepare**"> "Auto home"), then it shows the option "Level corners" on the LCD screen. Put a piece of A4 paper on the platform, click "Next corner", the extruder head moves counterclockwise from the bottom left corner to the four corners of the platform. See picture (6-1).





When the extruder head moves to the left bottom, adjust the corresponding knob until the distance between the nozzle and bed is about the thickness of a piece of paper (about 0.1-0.2mm). Slide the paper back and forth to see if you feel a slight resistance. If yes, it means the leveling of this corner is finished and you can proceed to level the rest corners with the same method. See picture (6-2).



(Picture 6-2)

2) Accurate leveling

If you level the bed with A4 paper, the first layer maybe too high, too low or moderate.

a. Too high: the distance between the nozzle and bed is too far, which may cause the filament to not stick or not stick well. See picture (6-3).



(Picture 6-3)

b. Too low: the distance between the nozzle and the bed is too close, which prevents the filament from coming out and causes the extruder gear to click, and even worse, scratch the nozzle on the bed. See picture (6-4).



c. Moderate: Extrude the filament properly and evenly stick on the bed. See picture (6-5).



(Picture 6-5)

In the case of too low and too high, adjust the knobs under the platform till they are moderate. It may take some trial and error to achieve the best result. An example of good first layer, see picture (6-6).



(Picture 6-6)

Note:

• If turn the knobs clockwise, the platform will rise, and vice versa.

• Avoid the nozzle touching the bed; use a piece of A4 paper. Or it will scratch the bed.

For more details, please refer to this link:

http://geeetech.com/forum/viewtopic.php?f=112&t=62296



6.2TF card printing

Insert the TF card into the slot. See picture (6-7)





Press and rotate the knob to enter the main menu. Select the option of "**Print from SD**". See picture (6-8).



(Picture 6-8)

Choose the files in the TF card. See picture (6-9).



(Picture 6-9)

The printer will heat automatically. See picture (6-10).





(Picture 6-10)

When **heating done**, the printer will start printing until the print is complete. See picture (6-11, 6-12).



(Picture 6-11)



(Picture 6-12)



7 Introduction to the LCD menu

7.1Tree diagram



(Picture 7-1)



7.2Main functions

LCD rotating knob:

- Press the knob: Confirm or enter the next menu.
- Rotate the knob: Roll the select options or change parameters.

LCD homepage, see picture (7-2)

- 1. Extruder temperature: Current temp/target temp
- 2. Hot bed temperature: Current temp/target temp
- 3. Current Z axis value
- 4. Current print time
- 5. Current printing process
- 6. Current printer status information
- 7. Feed rate: Current print feeding speed
- 8. Mix-color printing ratio: E0; E1; E2%





Note: Rotating the knob can change the printing feed rate during printing. We suggest users not changing the feed rate too much or it will make the motors to skip caused by too fast speed and affect the print quality.

Press the knob to enter the next menu (Picture 7-3), (Picture 7-4):

- Prepare: Prepare and test the printer before normal operation
- · Control: Printer temp and motion parameter setting
- Mixer: Mix-color ratio setting
- Print from SD: TF/SD card printing
- About Printer: The printer info





(Picture 7-3)





The main functions of Prepare menu (Picture 7-5, 7-6):

- Move axis: Move X/Y/Z axis and Extruder
- Auto home: X/Y/Z axis homing
- Disable steppers: Unlock motors
- Preheat PLA: Manually pre-heat the hot bed and extruder before printing PLA.
- Preheat ABS: Manually pre-heat the hot bed and extruder before printing ABS.



(Picture 7-5)





The main functions of Control menu (Picture 7-7, 7-8):

- Temperature: Change the temp of the hot bed and extruder in real time during printing. Customize the temp of preheat PLA and preheat ABS.
- Motion: Motion parameter setting in firmware. After modification, choose "store memory" to save the change.
- Filament: Open or close filament detector; set filament diameter.
- Store settings: Save the parameters modified.
- Load settings: If you need to restore to the original settings, please choose this option.
- Restore failsafe: Restore factory setting.
- Initialize EEPROM: Initialize printer Settings





(Picture 7-8)

The main functions of Mixer menu:

Mx: Fixed mix ratio print mode, as shown in Picture (7-9). Mx^{\wedge} : The blend ratio printing mode changes with height, as shown in Picture (7-10).





(Picture 7-10)

Mixer menu offers two mix-printing options, namely fixed mix ratio printing mode and Mix ratio printing mode that varies with height. The detailed operation steps for your reference:

Set fixed mix ratio

Choose "Mixer" and press the knob. Rotate the knob to choose "Mix: 100; 0; 0%". Adjust the mix ratio and press the knob to confirm. See picture (7-11, 7-12, and 7-13).



(Picture 7-11)





(Picture 7-12)



(Picture 7-13)

"Toggle mix": If you need to quickly switch the ratio between E0; E1and E2, you can select this function to switch, see picture (7-14)



(Picture 7-14)

Set the mix ratio print mode that varies with height

First, you need to get the current z-axis coordinate, which can be found on the screen, details see picture (7-15).



(Picture 7-15) Choose **"Gradient"** to set the variable mix ratio, details see picture (7-16).





(Picture 7-16)

"Gradient mix": Adjust the filament ratio of E0 🔨 E1 and E2. See picture (7-17and 7-18).



(Picture 7-17)



(Picture 7-18)

"start Z": The starting position (z-axis height) of automatic change of mixing; automatically change the mix based on the current Z height obtained in the previous step.

"end Z": The end of automatic change of mixing (z-axis height).

Choose **"start z"** and **"end z"**, press and rotate the knob to set the starting and ending position of mixing. See picture (7-19).



(Picture 7-19)

Test the motors' function via LCD

Press the knob to enter the next menu; choose "Prepare". See picture (7-20).





(Picture 7-20)

Choose "Auto home" to home the printer, see picture (7-21).



(Picture 7-21)

Choose "Move axis" to move motors. See picture (7-22)





Choose from **"Move X/Y/Z/Extruder1/Extruder2"** and rotate the knob to move them. See picture (7-23).



(Picture 7-23)

Choose "Move 1mm", see picture (7-24).





(Picture 7-24)

Note: we suggest using 1mm to test X/Y/Z axis.

After axis' testing finished, if you want to unlock the motor, choose **"Prepare>Disable steppers"**, see picture (7-25).



(Picture 7-25) When the motors are unlocked, you can move them by hand.



8Software setting

8.1Install driver

Two printing choices for A10T: TF card printing and USB printing.

TF card printing: After leveling, insert the TF card into the slot, and choose a .gcode file to start printing.

USB printing: Connect the printer and computer with a USB cable to control the printer with slicing software such as Repetier-Host, Cura, Simplify3D, Slic3r, etc. Because of some unstable factors such as signal interference, the USB printing prone to fail. So we suggest choosing TF card printing.

The details of USB printing are as follows:

Firstly, turn on the printer, and connect the printer to computer with a USB cable. Normally, the computer will automatically search the install driver. The newest communication chip of A10T is CH340. See picture (8-1).



(Picture 8-1)

If it fails to automatically install the driver in computer, then check whether the driver is installed successfully or not. Click to choose **"My computer>Property>Device manager"**.

If it shows the exclamation mark as picture below (8-2), then you need manually install the driver.



📇 Device Manager	_	
File Action View Help		
V 🗄 PC-201703281069		
> 🖬 Audio inputs and outputs		
> 💻 Computer		
> 🔤 Disk drives		
> 🙀 Display adapters		
> 🛺 Human Interface Devices		
> 📷 IDE ATA/ATAPI controllers		
> 🥅 Keyboards		
> 📗 Mice and other pointing devices		
> 🛄 Monitors		
> 🚽 Network adapters		
✓ Sterial Port		
> 💭 Ports (COM & LPT)		
> 🖻 Print queues		
> Processors		
Software devices		
> 🖏 Sound, video and game controllers		
> Storage controllers		
> E System devices		
> 🏺 Universal Serial Bus controllers		

(Picture 8-2)

Download link for CH340:

https://www.geeetech.com/index.php?main_page=download&download_id=40

After the driver is installed, check the "Device manager" and see if it is same as the picture below (8-3). If so, it means the driver is successfully installed.





8.2Install slicing software

Repetier-Host is the default slicing software here. Download address:

https://www.repetier.com/download-software/

Set printer parameters

When Repetier-Host is installed, turn on the printer and open the Repetier-Host. Repetier-Host supports several languages. You can choose your native language from **Config>Language** (Picture 8-4 for details).



(Picture 8-4)

English interface for your reference (picture 8-5).





(Picture 8-5)

Using the Repetier-Host for the first time, printer parameters need to be configured before connecting. Click **"Printer settings"** on the top right corner, see picture (8-6).



(Picture 8-6)

It pops up the content as the picture below. Write down the relevant info accordingly. (Red box is the key content)

a. Connection dialog (Picture 8-7):

Printer Setting	gs							
Printer:	Geeetec	h A1OT					•	Ô
Connection	Printer	Extruder	Printer	Shape	Scripts	Advanced		
Connector:	串口道	主接		-				Help
		Repetier-Se nector inste						g the
Port:		Auto		-				
Baud Rate:	. [250000		•				
Transfer Pr	otocol:	Autodetect		•				
Reset on Em Receive Cac Communicati Use Ping The printer are stored printer nam selected.	he Size: on Timeou -Pong Com · settings with ever	munication always com y OK or app	(Send onl respond t ly. To cr	y after to the reate a	[s] r ok) selected p . new print	rinter at er, just e	nter a	new
				[OK	Ad	olv	Cancel

(Picture 8-7)



b. Printer dialog (Picture 8-8):

Do not check "Return to the parking position after the end of the task interruption" to prevent the machine from damaging the model after the end of printing.

Printer Settin	gs							
Printer:	Geeetech	A10T					•	a
Connection	Printer	Extruder	Pr	inter Shape	Scrip	ts Advanced		
Firmware I	ype:			Autodetect			•	
Travel Fee	d Rate:			4800		[mm/min]		
Z-Axis Fee	d Rate:			100		[mm/min]		
Manual Ext	rusion Spe	ed:		2	_	20		[mm/s]
Manual Ret	raction Sp	eed:		30		[mm/s]		
Default Ex	truder Tem	perature:		200	_	°c		
Default He	ated Bed 1	emperature	:	55	_	°c		
	temperatu y 3 second	Bed Temper re requests ls.		om Log	Zmir	. 0	ſ'n'n	1
📝 Send ET.	A to print	er display			Go Go	to Park Positi	on af	ter Job/Kill
👿 Disable	Extruder	after Job/H	Kill		🔽 Dis	able Heated Be	d aft	er Job/Kill
📝 Disable	Motors af	ter Job/Kil	1		🚺 Pri	nter has SD ca	rd	
Add to comj Invert Dir			or X	[%] (-Axis	Y-Axis	🔲 Z-Axis		Flip X and Y
					OK	ADD	lv	Cancel

(Picture 8-8)

c. Extruder dialog (Picture 8-9):

inter:	Geeetech A10T			ī
onnection	Printer Extruder	Printer Shape Scripts	dvanced	
Number of 1	Extruder:	3		
Number of 1	fans:	1		
Max. Extru	der Temperature:	260		
Max. Bed T	emperature:	110		
Max. Volum	e per second	12 [mm³/s]		
📝 Printer	has a Mixing Extru	ider (one nozzle for all colo	ors)	
Extruder 1-			_	
Name:	EO	7		
Diameter:	0.4	[mm] Temperature Offset:	0	[° c]
Color:				
Offset X:	0	Offset Y:	0	[mm]
Extruder 2-				
Extruder 2- Name:	E1			
	E1	[mm] Temperature Offset:	0	[° C]
] [mm] Temperature Offset:	0	[° C]
Name: Diameter:		[mm] Temperature Offset: Offset Y:	0	[° C] [mm]
Name: Diameter: Color:	0.4			



(Picture 8-9)

d. Printer shape dialog (Picture 8-10):

Printer Settings				
Printer: Geeete	ch A10T		•	Ô
Connection Printer	Extruder Pr	inter Shape Script	s Advanced	
Printer Type: C	lassic Printer		•	
Home X: O	Home Y:	0 Home	z: 0	
X Min 0	X Max 220	Bed Left:	0	
Y Min O	Y Max 220	Bed Front:	0	
Print Area Width:	220	mm		=
Print Area Depth:	220	mm		
Print Area Height:	250	mm		
left/front define the changing the min/max the print bed, if su	: values you can	even move the origi		_
Y Max		E		
		OK	Apply	Cancel

(Picture 8-10)

Now the printer parameters are set.

Note: If the operating system is Mac OS, Repetier Host baud rate is also set to 250,000.

Set slicing parameters

After setting the printer parameters, click **"Connect"** on the top left corner. The color of the icon changed to green means the printer connects to the Repetier-Host successfully. Click it again to **disconnect**. See picture (8-11).





(Picture 8-11)

After successfully connected, choose **"Slicer> CuraEngine"** and open the configuration menu. See picture (8-12).

\triangleright	Slice with C	uraEi	ngine		
Slicer: CuraE	ngine	•	€	Manager	
Print Settings:	1 2	\$	Configurs	ition	-
Print Configuration	on: efault			•	
Adhesion Type:	None	-			
Quality:	0.2 mm	-			
Support Type:	None	•			
Speed:	Slow Print Speed: Outer Perimeter Spee	d:	Fa 49 mm/s 43 mm/s	st	Ш
Infill Density	Infill Speed:		78 mm/s	15%	
Initit Bensity ▼ Enable Coolin	5			= 15%	
Filament Settings	:				
挤出头 1:	Default			-	
	ate, external program develo; ps://www.ultimaker.com	oed by David	Braam. For	more	

(Picture 8-12)

It pops up dialog as picture below (8-13):



Click "Print>Import"

Shenzhen Getech Technology Co.,Ltd

Fiew Temperature Cure	e Lura	1						Object Placement	Slicer Frint Preview	Manual Control 5D Co
turaEngine Se	ttings						Clese	D	Slice with Cu	raEngine
lefaul 1				٠	C Save	Save az	Delete	Slicer: Cural	agias	• 🖸 Ilung
	uctures	Extrusion G-Codes Adv	anced			Import	Export.	Print Settings:		Configuration
ipeed		Slow Fas	•					Frint Configurat	ion efault	
rint:	40	60	[nn/s]					Adhesion Type:	None	•
ravel	190	150	[ea/s]					Quality	0.2 m	
irst Leyer:	30	30	[nn/s]					Support Type:	Soza	
uter Perimeter	30	80	[nn/s]					100000		
nner Perimeter	40	80	[nm/s]					Speed:		
nfill	63	100	[sa/s]						Slow Frint Speed:	Fast 49 mm/s
un Infill:	30	60	[es/s]						Outer Perimeter Speed: Infill Speed:	43 mm/s
uslity Wefsult Quality: (2 88							Infill Density		153
0.2 40		Selected Quality Setting						Z Enable Coslin	¢	
Carl Property	Ť	Nune	0.2 mm					Filament Settings		
		Layer Height:	0.2	[nn]				S.		
	+	First Layer Height:	0.3	[mm]				技出头:	Defealt	
0 0	-	First Layer Extrusion Wide	th: 100	[K]					ate, external program developed	by David Braam. For more
	_							informations visit http	st.//www.ultmaker.com	

(Picture 8-13)

Printer parameters are important to print quality. Customers need to run tests to find the best parameters for their printers. Here we provide a configuration file for your reference (**"Geeetech A10T PLA high.rcp"**). You can import it according to the steps as follows. The following is an example of parameters for PLA (Picture 8-14):

Star Fast att 60 100 100 att 100 100 100 1111 100 100 100 10111 100 10111 100 10111 100 10111 100	er Temperature Curv		Travel							Philad Philade		Easy Mode Emerger
I Listent Silve Silve Silve Silve Silve Silve Silve Silve									Clease	Object Fiscement	- Reconstantion	Contraction of the Contraction o
ad Quality Structures Ratration 0 Configure the ad Silest Fast Configure the ad Silest Silest Silest Silest Configure the Silest Silest Silest Silest Configure the Silest Silest Silest Silest Silest Silest <									have been a second s		Slice with Cu	raEngine
Since Fast ed 50 w Fast ed 50 w Fast well 50 m 6m/s1 well 6m/s1 6m/s1 well 50 m 6m/s1 well 6m/s1 6m/s1 well 6m/s1 6m/s1 well 6m/s1 6m/s1 well 6m/s1 6m/s1 well 62 m 60 m later Bealty 62 m later Bealty 62 m later Bealty 62 m later Bealty 70 m	fault						C Save	C Save as	Delete	Slicer: Our al	arias	• 62 Bas
at Structures Extraction Section Advanced at Structures Extraction Section Advanced red: Structures Extraction Section Section red: Structures Structures Section Section stdyres: Structures Structures Section Section Structures Structures Section Section Section Structures Section Section Section Section Structures Section Section Section Section Structures Sectin Sec								🕑 Import	Export .			
di Size Fast at: 0 00 [an/1] 0 00 [an/1] 0 00 101: 00 00 [an/1] 102 00 [an/1] 0 00 101: 0 00 [an/1] 0 00 101: 0 00 [an/1] 0 00 [an/1] 101: 0 00 [an/1] 0 0 [an/1] 10: 0 00 [an/1] 0 0 [an/1] 10: 0 0 [an/1] 0 0 [an/1] 10: 0 0 [an/1] [an/1] [an/1] [an/1] 10: 0 0 [a	ed and Quality Str	sctures	Extrasion	G-Codes Advan	ced		/			Print Settings		Configuration
at: 0 60 [an/s] well: 100 150 (an/s] st Lowr: 30 00 (an/s] sr Foriaster 00 00 (an/s) sr Poriaster 00 00 (an/s) st Lowr: 00 00 (an/s) sr Poriaster 00 00 (an/s) st Lowr: 00 (an/s) (an/s) stafill: 00 (an/s) (an/s) lity 0.2 m (an) frait lowelity: 0.2 m (an) frait lowel	eed		51 or	Past							ion efault	
st Lover: 30 50 [Ge/3] sr Formater 30 60 [Ge/3] sr Formater 40 60 [Ge/3] sh full: 40 100 [Ge/3] lin: 50 00 [Ge/3] lin: 50	int:	40			[m./z]					Adhesion Type:	None	
ar Pariaster 30 60 (as/s) ar Pariaster 40 60 (as/s) 101 60 100 (as/s) 111 60 100 (as/s) 111 50 60 (as/s) 111 50 (as/s) (as/s) 111 50 (as) (as) 111 50 (as) <tr< td=""><td>svel</td><td>15</td><td>0</td><td>150</td><td>(mm/s)</td><td></td><td></td><td></td><td></td><td>Quality</td><td>0.2 mm</td><td></td></tr<>	svel	15	0	150	(mm/s)					Quality	0.2 mm	
ar Periester 40 60 (an/s) 111 60 (an/s) 112 60 (an/s) 113 50 (an/s) 114 60 (an/s) 115 50 (an/s) 116 50 (an/s) 117 50 (an/s) 118 50 (an/s) 119 50 (an/s) 119 111 111 111 51 51 111 51 51 115 51 51 111 51 51 111 51 51 118 51 51 119 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51 111 51 51	st Layer:	30	6	30	[nn/z]					Support Type:	Fone	
111 00 100 (sa/s) 111 00 00 (sa/s) 111 100 (sa/s) 100 111 100 (sa/s) 100 <td>ter Perimeter</td> <td>30</td> <td>1</td> <td>80</td> <td>(nm/s)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	ter Perimeter	30	1	80	(nm/s)							
as Infill: 20 60 (an/4) Print Speci: 60 an/4 hity	ner Perimeter	40		80	(nn/s)					Speed:		
Anticiti 00 (m/s) 00 (m/s) 00 (m/s) livy 0.2 m . <td< td=""><td>Fi 11 :</td><td>80</td><td>1</td><td>100</td><td>[nn/s]</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Fi 11 :	80	1	100	[nn/s]							
Infill Braily 0.2 mm Infill Braily Infill Braily<	an Infill:	30	1	60	[nn/s]						Outer Perimeter Speed:	43 mm/s
Selected Quality Setting: 0.2 m. Filamort Setting: Filamort Setting: ↓ Nume: 0.2 m. [mi] ↓ Night: 0.2 m. [mi] ↓ Night: 0.2 m. [mi] ↓ Night: 0.3 [mi] [Mi] ↓ Night: 0.3 [mi] [Mi]	dity fueld feedline of			100						Infill Density		70 mm/s
↑ None 0.2 mm Filament Settings: ↓ Lown Nindol: 0.2 mm Nindol: 0.2 mm ↓ First Lown Nindol: 0.3 mm Small Nindol: 1.2 mm ↓ First Lown Nindol: 0.3 mm Small Configure Settings Nindol: ↓ First Lown Xintol: 0.3 mm Small Configure sequents. second popular directory David Base. For mer	East Agentia. D	2.66								Enable Coolin		
Lower Neight: 0.2 [ma] First Lower Extension Fields: 0.3 [ma] First Lower Extension Fields: 100 [X]	2.88	1		arry second	0.2 m							
First layer anappin: 0.3 (m) First Layer Extends 14:00 (3) First Layer Extends 14:00 (3) Configure search semant program forehead by David Base. For mark			Layer Heigh		0.2	[en]				ritament Setorigs	1 02	
First Layer Extrusion Vidth: [00] [X] Configure a separate, esteraid proper developed by David Baam. For more		+	First Layer	Meight:	0.3	[nn]				· 林忠县 1:	Default	
informations visit https://www.ufimakar.com		-	First Layer	Extrusion Vidth	: 100	[K]				Procession of the second		Ity David Braam, For mire
	0									informations visit http	ps://www.ultimaker.com	

(Picture 8-14)

It pops up the dialog as below (Picture 8-15). Choose "Geeetech A10T PLA high.rcp" and open it.



A Repetier-Host V213

Shenzhen Getech Technology Co.,Ltd

🕗 🔒 🕨 Gee	stech A10T Repetier-Host_V2.1.3 Cura 配置				• + IEE Geeetech A10
14月 • 新建文件)	•				ji: •
👌 政憲央	名称 ^	使改日期	英型	大小	
 下覧 重直 重近的问的位置 Autodesk 360 Catch! 	Geeetech A10T PLA high.rcp	2019-02-02 14:24	Autodesk ReCap	3 KB	
로 Subversion 로 祝成 도 전처 고 전체 금 전체 금 전체 과 한동下戰 과 함乐					
8 272018 14 14 18 191					
🗣 网络					
3	(特名(M): Geeetech A10T PLA high.rcp				Repetier-Cura-Print-

(Picture 8-15)

Now, the configuration file is imported, click "Save". See picture (8-16).

lier Temperature Cure										Object Flacement	Slicer Frint Preview	Manual Control SD C
uraEngine Se	ttings								Clase	D	Slice with Cu	IraEngine
eeetech ALOT PLA high						• 🖸 5	474	Save az	💼 Delete	Slicer: Cural	igina .	C Parag
posed and Quality Str	actores	Extrasion	G-Codes Advisor	4d			1	0		Print Settings:		Configuration.
peed		Slow	Fast							Print Configurati	on: efsalt	
rint:	40		60	[nm.	x]					Adhemion Type:	X-204	-
revel	10		120	[nm/						Quality:	0.2 mm	
rst Layer	30		30	[nm)						Support Type:	Foze	
iter Perimeter		30 60			[ns/1]							
ner Ferineter	40		80	(nn)						Speed:	0-	
fill:	60		100	[nn;							Slow Frint Speed:	49 mm/s
in Infill	30		60	[nn/	z]						Outer Perimeter Speed: Infill Speed	43 mm/s 78 mm/s
nality efault Quality: 1	LA high									Infill Density		153
PLA high		Selected Quality Setting								Enable Cooling		
	1	T Suns:		FLA high						Filament Settings		
		Layer Heigh	1. T. I.	0.1	[nn]	E						
	+	First Layer	Keight:	0.3	[66]	ę. – I				格出头 1:	Default	
0 0	Pirst Layer Retrusion Width: 105				[x]						ne, external program developer	by David Braam. For more
										informationa visit http	a://www.ultimaker.com	
										10.		

(Picture 8-16)

Click "Filament>Import", see picture (8-17).


ev Temperature Cu	rve Cura		Object Flacement	Slicer Frint Fraview	Manual Control 5D
uraEngine S	100ml	Close		I Contraction and Second	Construction of Construction
at Falseent				Shee with Cu	lacingine
faul t		→ Cf Save Cf Save at 💼 Dalata	Slicer: Curate	igina	• 💿 ####
lament					Configuration
lument Dismeter:	1.75	[m]	Print Settings:		0
ew	100	(1)	Print Configurati	on: efault	
eperature			Adhesion Type:	¥ vz.a	12
int Temperature:	210	[° C]	Quality:	0.2 m	
d Temperature:	50	(* C)	Support Type:	Foto	
				2.0408	
ling			Speed:		
. Fun Speed:	50	[x]		Slow	Fast
r. Fan Speed:	100	[x]		Frint Speed: Outer Perimeter Speed:	49 mm/s 43 mm/s
inum Layer Time:	5	(1)	10000000000	Infill Speed:	78 mm/s
1200000000000			Infill Density		15
luss, the values fr	on the first extra	diameter and flow value, because it assumes identical extruders. If you have a multi-extruder setup with different uder are used for all. Frint temperatures are set in the start gronde, so using different temperatures for different	Z Enable Cooling		
terials is no probl	em. For cooling t	he highest values of all extruders are used.	Filament Settings		
			1.5		
			桥出头 1:	Default.	
			CuraEngine la separa	ite, external program developed	by David Brasm. For more
			informations visit http	s://www.ultimaker.com	

(Picture 8-17)

It pops up dialog as below (Picture 8-18); choose "Geeetech A10T PLA high fi.rcf".

0000 00400 00200					
日• 新建文件夹					· · ·
故藏失	名称	伊改日期	22	大小	
🗼 T-RC	Geeetech A10T PLA high fi.rcf	2019-02-02 14:25	RCF 文件	1 KB	
重 桌面					
最近访问的位置					
Autodesk 360 Catch!					
Gatten					
¢.					
Subversion					
12:53					
置片 文档					
迅雷下载					
音乐					
家庭祖					
计算机					
网络					
	#R(N): Geeetech A10T PLA high fi.rcf				Repetier-Cura-Filament-Se

(Picture 8-18)

Now, the configuration file is imported. Click **"Save"**. See picture (8-19).



	Filament Trave					Easy Mode Emerge
iev Temperature Cu	we Cura			Object Placement	Slicer Frint Preview	Manual Control SD
at Filement	ettings		Clese	D	Slice with Cu	raEngine
estech AlOT PLA high	6	- C Save as	Delete	Slicer: Cural	ngine	• 💿 🗤
ilament ilament Diameter:	1.75	[na]		Print Settings:		Configuration
lev:	100			Frint Configurati	on: efault	
imperature				Adhesion Type:	Noza	
int Temperature:	210	t* c1		Quality	0.2 m	
d Temperature	50	[+ c]		Support Type:	Soz.e	
oling						
n. Fan Speed:	50	[3]		Speed	Slow	Fast
c. Pan Speed	100	[31]			Frint Speed: Outer Perimeter Speed:	49 mm/s 43 mm/s
ninum Layer Time:	5	[2]		Infill Density	Infill Speed	78 mm/s
alues, the values fr	on the first extr	enter auf Dar value, breann it ausment idatival attreders If rus have a sulit-actuale seque me are used for 20 brins temperatures are not in the start grands, to using different temperat highest values of all estroders are used.	p with different ures for different	☑ Enabl+ Cooling Filament Settings 初出头 1		
					ate, external program developed i a://www.ultimaker.com	by David Braam. For more

(Picture 8-19)

Choose **"Geeetech A10T PLA high"** as print configuration and **"Geeetech A10T PLA high fi"** as printing material setting. Details see picture (8-20) below.

D	Slice with Cura	Engine
Slicer: CuraE	ngine	▼ 🔅 Manager
Print Settings:		🔅 Configuration
Print Configurati	or: eeetech A10T PLA high	•
Adhesion Type:	None 🔻	
Quality:	PLA high 🗸	
Support Type:	None	
Speed:	Slow Print Speed: Outer Perimeter Speed: Infill Speed:	Fast 49 mm/s 43 mm/s 78 mm/s
Infill Density	0	15%
📝 Enable Coolin;	g	
Filament Settings	:	
挤出头 1:	Geeetech A10T PLA high fi	•
	ate, external program developed by D ss://www.ultimaker.com	David Braam. For more



Now parameters setting are finished.



8.3 USB printing

You can start USB printing when the parameters setting are finished.

The model file format is .stl for 3D printer. You can download free models from websites such as <u>thingiverse.com</u> You can also design your own models.

• Load the printing model

Open the Repetier-Host and click "load". Choose a file and open it. See picture (8-21, 8-22).



(Picture 8-21)

lmport G-Code									×	
\leftarrow \rightarrow \checkmark \uparrow \square \rightarrow This PC	his PC > Local Disk (E:) > Model > Phone_Stand > files v 🖏 Se					Search files	rch files		Q	
Organize 👻 New folder									?	
> 🍊 OneDrive 🔷 1	Name	Date modified	Туре	Size						
> 🛆 WPS网盘	Phone_Stand03	2/19/2017 06:33	STL File	72 KB						
 This PC 30 Objects Desktop Downloads Music Pictures Videos Local Disk (C:) Local Disk (E:) Local Disk (F:) Local Disk (F:) Network 										
↓ File name	۲ Phone_Stand03				~	GCode/3D-File	ĸ		~	
, ne name	< rione_stanuus				Ý	Open	_	ancel		

(Picture 8-22)

When it is loaded, you can use the buttons as picture below (picture 8-23) to zoom in, zoom out or rotate the model.





(Picture 8-23)

Adjust the direction of the model so that the flat part of the model is touching the hot bed. See picture below (8-24):



(Picture 8-24)

Note: If the model loaded is too big and beyond the printing platform, you need to zoom out the model. You can perform a uniform scaling. See picture (8-25):





Or zoom in/out them separately, see picture (8-26).

Object Placement Slic	er Print Preview	Manual Control	SD Car	d
Scale Object				X
X: 0.8	50 50 Sc	ale to Maximum		
Υ: 1		-		
Z: 1		Reset		
C 🖸 🔁	\$8 ⊕ 6″	$() \land$		
Object Group 1				
🌀 Phone_StandO3		1 -	÷	Ô

(Picture 8-26)

Model slicing

When the size and direction of the model are set, choose the imported slicing parameters, and click **"Slice with CuraEngine"**. See picture (8-27).





(Picture 8-27)



(Picture 8-28)

You can find the model information such as estimated print time, the amount of filament needed, etc. Click **"Print"** to start USB printing. The printer will heat to the target temp and then start printing. Under high temperature, the filament will flow out of the nozzle, which is normal. You can use tweezers to clean up the residual material of the nozzle.



(Picture 8-29)

8.4 TF card printing

When all parameters are set, click **"Save for SD print"**. It will pop up a dialog as picture below (See picture 8-30) and then click the save button to generate a .Gcode file. Copy the Gcode file to the TF card.



(Picture 8-30)

Insert the TF card into the TF card slot on the front side of the machine. Press the knob to enter the main menu and choose "**Print from SD**". See picture (8-31)





(Picture 8-31)

Choose the corresponding Gcode file to start printing.

Note:

- The printer can only read gcode file and the file name should be English letters, a space, an underscore or their combination.
- The Gcode file cannot be placed in any folder of the TF card, otherwise it cannot be read.



9 Color Mixer

9.1 Download

Download address: <u>http://www.geeetech.com/forum/viewtopic.php?f=92&t=61760</u>

9.2 Introduction

Free and easy-to-use, color mixer can mix your original single-color gcode file. You can create thousands program of mixing as you could.

Click "Import G" to import .Gco file. Choose 3 as the "Extruder Number". See picture (9-1 and 9-2)

🧧 Geeetech Color Mixer	_ D X
Import G Mix Color Export G	
Gcode Name: No gcode loaded	
Layer Count: 0	
Layer height: 0	
General	
Gcode Flavor: RepRap/Marlin	-
Extruder Number 3	
Add Delete Clear All	
	No Task

(Picture 9-1)



•

•

Shenzhen Getech Technology Co.,Ltd

Open gcode file				x
S V New folder (2)	_	✓ 4 Search I	New folder (2)	P
Organize 🔻 New folder			:≡ ▼ 🚺	?
☆ Favorites	Date modified	Туре	Size	
Desktop	2019/5/17 10:38	GCO File	18,235 KB	
Recent Places 192.168.1.188				
Downloads				
📜 Libraries				
Documents				
👌 Music				
Pictures				
Subversion				
Videos ■ 暴风影视症 ▼				
File name: Vase.gco			es (*.gco *.gcode)	•
		Оре	n Cancel	

(Picture 9-2)

After importing the .Gco file, you can set the start and end layer, and the percentage of extruders (start layer to end layer).You can adjust by dragging the slider or entering a value. See picture (9-3).

🥊 Geeetech Color Mixer
Import G Mix Color Export G
Gcode Name: Vase.gco
Layer Count: 470 layers
Layer height: 0.2 mm
General Gcode Flavor: RepRap/Marlin ▼
Extruder Number 3
Add Delete Clear All
Configuration
Start Layer: 1
End Layer:
Extruder0 Begin(%):
Extruder1 Begin(%):
E0 From: 0 E1 From: 50 E2 From: 50
Extruder0 End(%):
Extruder1 End(%):
E0 To: 0 E1 To: 50 E2 To: 50
Gcode colored successfully!



In addition, you can click "Add" to add multiple configuration boxes to adjust the extruder



•

Shenzhen Getech Technology Co.,Ltd

output change ratio at different starting and ending heights. See picture (9-4).

🥊 Geeetech Color Mixer
Import G Mix Color Export G
Gcode Name: Vase.gco
Layer Count: 470 layers
Layer height: 0.2 mm
General
Gcode Flavor:
Extruder Number 3
Add Delete Clear All
Configuration
Start Layer:
End Layer: 470
Extruder0 Begin(%):
Extruder1 Begin(%):
E0 From: 44 E1 From: 28 E2 From: 28
Extruder0 End(%):
Extruder1 End(%):
E0 To: 0 E1 To: 50 E2 To: 50
Configuration
Start Laver: 1
Gcode colored successfully!

(Picture 9-4)

When you finished configuration, you need to click **"Mixer color"** to mix your original gcode file. See picture (9-5).



Geeetech Color Mixer
Import G Mix Color Export G
Gcode Name: Vase.gco
Layer Count: 470 layers
Layer height: 0.2 mm
General
Gcode Flavor: RepRap/Marlin 🔻
Extr Please wait
Loading your color configurations
Add 10%
Configuration
Start Layer: 1 End Layer: 470
Start Layer: 1 End Layer: 470 Extruder0 Begin(%):
Start Layer: 1 End Layer: 470 Extruder0 Begin(%): Extruder1 Begin(%):
Start Layer: 1 End Layer: 470 Extruder0 Begin(%):
Start Layer: 1 End Layer: 470 Extruder0 Begin(%): Extruder1 Begin(%):
Start Layer: 1 End Layer: 470 Extruder0 Begin(%): Extruder1 Begin(%): E0 From:44 E1 From:28 E2 From:28
Start Layer: 1 End Layer: 470 Extruder0 Begin(%): 1 Extruder1 Begin(%): E0 From: 44 E1 From: 28 Extruder0 End(%):
Start Layer: 1 End Layer: 470 Extruder0 Begin(%): 1 Extruder1 Begin(%): E0 From:44 E1 From:28 E2 From:28 Extruder0 End(%): Extruder1 End(%):
Start Layer: 1 End Layer: 470 Extruder0 Begin(%): 1 Extruder1 Begin(%): 1 E0 From: 44 E1 From: 28 Extruder0 End(%): 1 Extruder1 End(%): 1 E0 To: 0 E1 To: 50 E2 To: 50

(Picture 9-5)

Click "Export G" to export the mixed gcode file, which is named with a suffix "_colored".
 Copy the file to the TF card and start to print. See picture (9-6, and 9-7).



Seeetech Color Mixer
Import G Mix Color Export G
Gcode Name: Vase.gco
Layer Count: 470 layers
Layer height: 0.2 mm
General
Gcode Flavor: RepRap/Marlin 🔻
Extruder Number 3
Add Delete Clear All
Configuration
Start Layer: 1
End Layer: 470
Extruder0 Begin(%):
Extruder1 Begin(%):
E0 From: 44 E1 From: 28 E2 From: 28
Extruder0 End(%):
Extruder1 End(%):
E0 To: 0 E1 To: 50 E2 To: 50
Configuration
Start Layer: 1 *
Configuration conflict!

(Picture 9-6)

🗧 Save gcode file		-			x
	ew folder (2)		Search New fo	lder (2)	٩
Organize 🔻 Ne	ew folder			== -	0
🔆 Favorites	▲ Name	Date modified	Туре	Size	
E Desktop 望 Recent Places P 192.168.1.188 ゆ Downloads ゆ 資料	-	2019/5/17 10:38	GCO File	18,235 KB	
Cibraries Documents Music Pictures Subversion	-				
	Vase_colored.gco Gcode files (*.gco *.gcode)				•
Hide Folders			Save	Cancel	

(Picture 9-7)



10Function introduction

10.1 Power loss-resuming capability

In the normal printing process, such as accidental power outage, after the power is restarted, the pop-up prompt option (**Power outage**), choose **"Resume print"**. See picture (10-1).



(Picture 10-1)

When it reaches the target temperature, the X and Y axes will auto home. The extruder will extrude the residue in the nozzle. Use a tweezers to clean the nozzle before starting printing again.

Note:

- When power outage, move the nozzle away from the printing model in case the filament oozes out on to the print.
- Be sure to clean the residue in the nozzle before restarting the print or it would affect the quality of the print.

10.2 Reset button

The reset button is below the knob. When the printer works abnormally, press the reset button to reset the printer to avoid any damage. See picture (10-2).



(Picture 10-2)



10.3Filament run-out sensor (Optional)

Before using this function, please check whether it is turned on or not. Choose "Control">"Filament">"Runout sensors" and after entering the menu, make sure that "Runout sensors" is "On". See pictures (10-3, 10-4).

- It will pop up the notification **"Err: No Filament"** when the filament is run out during printing and the printer will stop. See picture (10-5).
- Press the extruder handle, remove the remaining filament before loading the new filament.
- When the filament is loaded, use a tweezers to clean the nozzle. Press the knob to enter the main menu, and choose **"Resume print"** to re-start the printing. See picture (8-6).

8 25/0° © 25/0°	Prepare
Mx100;0;0% ? 0	Control
%100% SD% 000:00	Mixer
Err:No Filament	>Resume print
(Picture 10-5)	(Picture 10-6)

10.4 3D touch for auto bed leveling (Optional)

This printer supports auto bed leveling. Refer to the link below to know how to install the 3d touch sensor.

https://www.youtube.com/watch?v=_RtsZDbR2po&t=66s Visit our official forum http://www.geeetech.com/forum/



11 FAQ (Frequently Asked Questions)

11.1 Abnormal extrusion

- The filament is tangled
- The nozzle temp is too low to reach the melting temperature required.
- There is carbonized residue inside the nozzle. Please replace it with the spare nozzle
- Insufficient heat dissipation of radiator of the extruder head causes the filament in the tube to melt in advance and the extrusion strength is insufficient. Please check whether the cooling fan works normally.
- The printing speed is so fast that the extruding speed can't match it. Please reduce the printing speed.

11.2The gear of the extruder skips and makes an abnormal noise

- The nozzle is clogged; please refer to **10.1 abnormal extrusions.**
- Check whether the friction force between the extruder gear and the filament is enough. Please clean the residue.
- Check whether the voltage of the driver of the extruder is normal, and try to increase it by 0.1v until it works normally, max 1.2v.

11.3 First layer abnormal

- Non-stick: a. the nozzle is too far from the hot bed. Please re-level the bed; b. try to stick masking paper or glue stick on the surface of the hot bed.
- Not extruding and the bed scratched: a. the nozzle is too close from the hot bed. Please re-level the bed; b. check if the nozzle extrusion normal.



11.4 Layer shift

- The printing speed is too fast. Please slow it down.
- The belt of X or Y axis is too lose. Please tighten it.
- The X or Y axis synchronization wheel is not fixed firmly. Please adjust the eccentric nuts.
- The voltage of the driver of X/Y axis is too low.

11.5 Print stopped

- USB printing: the signal is interfered. Please copy the model to TF card and print via TF card.
- TF card printing: the gcode file in the TF card is abnormal, please slice again.
- The quality of the TF card is poor. Please try another TF card.
- The power supply voltage in the area is not stable; please print after the voltage is stable.

Visit our official forum for more information: http://www.geeetech.com/forum/viewtopic.php?f=98&t=61864



12Declaration

12.1Terms

Please be advised of the following terms (the "Terms") regarding this User Manual (this "Manual"):

All information in this Manual is subject to change at any time without notice and is provided for convenience purposes only. Geeetech reserves the right to modify or revise this Manual in its sole discretion and at any time. You agree to be bound by any modifications and/or revisions. Contact the Geeetech Support Team for up-to-date information.

12.2Disclaimers

Neither Geeetech nor any of our affiliates warrants the accuracy or completeness of the information, products, or services provided by or through this Manual, which are provided "as is" and without any express or implied warranties of any kind, including warranties of merchant ability, fitness for a particular purpose, or non-infringement of intellectual property. To the fullest extent permissible by the applicable law, we hereby disclaim all liability for product defect or failure or for claims that are due to normal wear, product misuse or abuse, product modification, improper product selection, noncompliance with any codes, or misappropriation. To the fullest extent permissible by the applicable law, we hereby disclaim any and all responsibility, risk, liability, and damages arising out of death or personal injury resulting from assembly or operation of our products. Geeetech assumes no responsibility, nor will be liable, for any damages to, or any viruses or malware that may infect your computer, telecommunication equipment, or other property caused by or arising from your downloading of any information or materials related to Geeetech products.





www.geeetech.com