



snapmaker J1 3D Printer User Guide

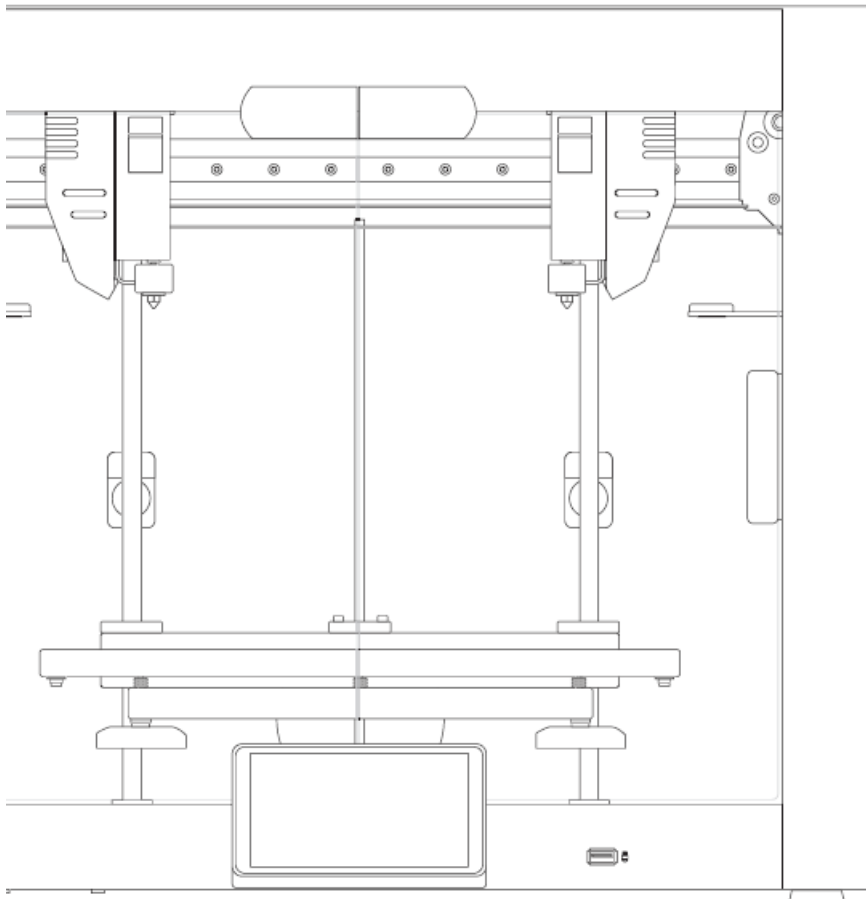
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J1 3D Printer

J1 snapmaker Safety Guidelines



Disclaimer

Make sure that anyone who uses this product knows and understands the contents of this Safety Guidelines and the Quick Start Guide. (The Safety Guidelines and the Quick Start Guide will hereinafter be referred to as the “Guides”, which are available at <https://support.snapmaker.com>.) Failure to observe the Guides may lead to personal injury, inferior results, or damage to the product.

When using Snapmaker products, you should comply with the following requirements:

- Follow the instructions of the Guides, the applicable laws and regulations, and the safety regulations in the assembly, handling, storage, use, maintenance, or disposal of this product.
- Ensure there is no infringement on any third-party intellectual property rights or violation of any applicable laws or regulations when making objects using this product.

The conditions or methods of using Snapmaker products are beyond the control of Snapmaker. For this reason, Snapmaker does not assume responsibility and expressly disclaims liability for any consequences resulting from:

- your improper methods, failure to follow the instructions of the Guides or impacts of other uncertain factors when operating this product;
- your infringement on any third-party intellectual property rights

or violation of any applicable laws or regulations when making objects using this product;
personal injury, inferior results, or damage to the product arising out of or in connection with the assembly, handling, storage, use, maintenance, or disposal of this product.

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Intended Use

Snapmaker 3D printers are intended for use under the guidelines provided in the Guides. When making objects using Snapmaker 3D printers, users remain responsible for qualifying and validating the application of the created object for its intended use, especially for applications in strictly regulated areas like medical devices and aeronautics.

Safety Notes

General Safety Information

- Follow the applicable local laws and regulations in the operation and application of this product.
- Do not expose this product to rain or wet conditions.
- Always operate this product indoors on a solid horizontal table or workbench.
- Minors are only allowed to use this product under adult supervision and assistance.
- Ensure that bystanders also read and understand all the safety notes of this product and keep bystanders away while operating this product for safety purposes.
- Stay alert, watch what you are doing and use common sense when operating this product.
- Do not use this product while you are tired or under the influence of drugs, alcohol or medication.
- Do not reach inside the machine or touch the moving parts while the machine is still in operation, as it may cause injury.
- Do not leave the machine unattended while it is still on.



BE	BG	CZ	DK	DE	EE	IE	EL
ES	FR	HR	IT	CY	LV	LT	LU
HU	MT	NL	AT	PL	PT	RO	SI
SK	FI	SE	NO	IS	LI	CH	TR



UK

Turn off the machine immediately and stop using this product, if any of the following occurs:

In all UK and EU member states, the operation of 5150–5250 MHz is restricted to indoor use only.

- You notice a smell of burning at any point.
- You see any damage to the interior components of this machine.
- The machine stops working unexpectedly.
- Unusual lights, sparks, or sounds come out of this machine, which were not occurring previously.
- You notice any abnormality in this machine.

3D Printing Safety

- Do not touch the nozzle, PEI glass plate and heated bed when the machine is printing or heating.
- Always unplug the power cable from the electrical outlet before performing maintenance.
- Set up the machine in a well-ventilated place when printing. The melting of some materials may release toxic fumes.
- The use of materials other than the ones that come with the machine may require additional safety measures. Make sure to check the safety data sheet (SDS) of each specific material provided by its supplier for safety information.

Compliance

FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or

ISED Compliance

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Labels on Your J1



Be aware of potential hazards. Avoid touching the object when printing.
On the PEI glass plate and heated bed



Take care when handling fragile objects.
On the PEI glass plate



Do not print on this surface.
On the heated bed



Avoid contact with hot surfaces.
On the extruders, PEI glass plate, heated bed, and top panel



Take care to avoid crushing of hands.
On the base panel



Avoid placing items here.
On the base panel



Take care to avoid crushing of hands.
On the base panel

DOC (TBD)

Snapmaker EC DECLARATION OF CONFORMITY

PRODUCT INFORMATION

Product Snapmaker J1 3D Printer

Model J1

Function 3D Printer

MANUFACTURER

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YEAR OF AFFIXING CE MARKING: 2022

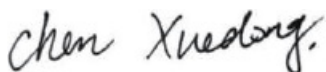
We hereby declare under our sole responsibility that the product above is in compliance with the essential requirements of the Machinery Directive (2006/42/EC), EMC Directive (2014/30/EU), Radio Equipment Directive (2014/53/EU), Low Voltage Directive 2014/35/EU, WEEE Directive 2012/19/EU, ROHS Directive (2011/65/EU), Amendment Directives (2015/863/EU) and REACH. By application of:

STANDARDS	TITLES
EN 55032:2015 EN 55035:2017 EN 61000-3-2:2014 EN 61000-3-3:2013	EN 55032: Electromagnetic compatibility of multimedia equipment – Emission Requirements (EMC); EN 55035: Electromagnetic compatibility of multimedia equipment – Immunity Requirements (EMC); EN 61000-3-2, Limits for harmonic current emissions (EMC); EN 61000-3-3, Limits Section 3 (EMC)

EN 61000-6-1:2007, EN 61000-6-3:2007 + A1:2011 +AC: 2012	EN 61000-6-3, Electromagnetic Compatibility – Part 6-3: Generic standards – Emission Standard for Residential, Commercial and Light-industrial Environments (EMC); EN 61000-6-1, Electromagnetic Compatibility Generic Immunity Standard, Part 1: Residential, Commercial and Light Industries (EMC)
ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-3 V2.1.1 (2019-03) ETSI EN 301 489-17 V3.2.4 (2020-09)	RED Article 3.1(b), EMC (RED)
ETSI EN 300 328 V2.2.2 (2019-07) ETSI EN 301 893 V2.1.1 (2017-05) ETSI EN 300 440 V2.2.1 (2018-07)	RED Article 3.2, Radio (RED)
EN 50566:2017 EN 50663:2017 EN 62479:2010	RED Article 3.1(a), Health (RED)
EN 62368-1:2020+A11:2020	EN IEC 62368-1 Audio/video, information and communication technology equipment, Part 1: Safety requirements (LVD-Safety)
Council Directive 2006/42/EC, Annex I	EN 60204-1:2018, Safety of machinery – Electrical equipment of machines, Part 1: General requirements (MD)
ISO 13849-1:2015	ISO 13849-1:2015, Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design (MD)

EN ISO 12100:2010	EN ISO 12100:2010, Safety of machinery – General principles for design – Risk assessment and risk reduction (MD)
Directive 2011/65/EU	RoHS Directive 2011/65/EU and amendment directives (EU) 2015/863 on Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs & PBDEs, Phthalates (DBP, BBP, DEHP, DIBP) content (RoHS)
Directive 2012/19/EU	WEEE Directive 2012/19/EU (WEEE)
(EC) No 1907/2006	European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 and its amendment directives concerning the REACH. (REACH)

The technical documentation is kept at the Manufacturer's address.



Shenzhen Snapmaker Technologies Co., Ltd.

CHEN XUEDONG / CEO

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Place of issue: SHENZHEN, CHINA

Specifications


Printing Properties				
Technology	Fused Filament Fabrication (FFF)		Extruder System	Independent Dual Extruders (IDEX)
Printing Modes	1. Standard Mode 2. Backup Mode 3. Copy Mode 4. Mirror Mode			
Build Volume (L, W, H)	Standard Mode & Backup Mode: 300 mm × 200 mm × 200 mm			
	Copy Mode: 160 mm × 200 mm × 200 mm			
	Mirror Mode: 150 mm × 200 mm × 200 mm			
Printing Speed		10 mm/s–100 mm/s	Build Plate	PEI glass plate
Layer Height (with 0.4 mm nozzle)		0.05 mm–0.3 mm	Max Heated Bed Temperature	100°C
Nozzle Diameter	0.4 mm (included) 0.2 mm, 0.6 mm, 0.8 mm (sold separately)		Max Nozzle Temperature	300°C
Filament Diameter	1.75 mm	Supported Materials	PLA, ABS, HIPS, PC, TPU, TPE, PETG, ASA, PP, PVA, PA-GF, PA-CF, PA	
Connectivity	Wi-Fi, USB cable, USB flash drive		Operating Noise	< 50 dB(A)
Machine Properties				
Overall Dimensions (L, W, H)		539 mm × 401 mm × 464 mm	Net Weight	25 kg
Touchscreen		Size: 5 in. System: Android Resolution: 1280 × 720 pixels	Memory	1 GB RAM, 8 GB eMMC
Operating Conditions				
Storage Environment	Temperature: -25°C–55°C Relative Humidity: 10%–90% (non-condensing)			
Operating Environment	Temperature: 10°C–35°C Relative Humidity: 10%–90% (non-condensing)			
Power				
Input	Rated Voltage: AC 100 V–240 V, 50 Hz–60 Hz Rated Current: 4.4 A Max.		Output	DC 24 V, 400 W Max.
Wi-Fi				
Protocol	802.11a/b/g/n20/n40			
Frequency Range	2.400 GHz–2.482 GHz, 5.150 GHz–5.250 GHz, 5.725 GHz–5.850 GHz			
Transmitter Power (EIRP)	2.4 GHz: < 1750 dBm (USA & Canada)			
	5.2 GHz: < 12.50 dBm (USA & Canada)			
	5.8 GHz: < 6.50 dBm (USA & Canada)			
Software				
Supported OS	Windows, macOS		Supported File Types	STL, OBJ, 3MF
Output File Type	G-code		Slicing Software	Lava Studio (or third-party slicers)

Documents / Resources

J1

3D Printer

Safety Guidelines



[snapmaker J1 3D Printer](#) [pdf] User Guide

J1, 2AVDG-J1, 2AVDGI1, J1 3D Printer, J1, 3D Printer

References

- [!\[\]\(48a7667d09d5a06397e047ee4537bb6f_img.jpg\) Snapmaker Official Site | Snapmaker](#)
- [!\[\]\(3df135a685d1b545c4fa64a5f3516545_img.jpg\) Snapmaker Official Site | Snapmaker](#)

Manuals+.