



HP Jet Fusion 340 3D Printer

HP Jet Fusion 540 3D Printer

HP Jet Fusion 580 Color 3D Printer

Product Documentation

Legal Information

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Company, L.P.

Edition 4

#### **Legal notices**

The information contained herein is subject to  
change without notice.

HP shall not be liable for technical or editorial  
errors or omissions contained herein.

This equipment complies with EN/IEC  
61000-3-12.

This equipment complies with EN/IEC  
61000-3-11 with a  $Z_{max}$  value of  $0.080 \Omega$ . The  
user should determine, in consultation with the  
electrical supply authority or utility if necessary,  
that the impedance of the electrical supply  
system feeding the building where this product  
is to be operated is less than  $Z_{max}$ .  $Z_{max}$  is  
determined at the interface point between the  
public electrical supply network and the user's  
installation.

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# 1 Documentation

The following manuals are provided with your printer:

- Introductory information
- Limited warranty
- Legal information (this document)
- Site preparation guide
- User guide

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## 2 About the cartridges

- Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <http://www.hp.com/go/learnaboutsupplies>.
- This printer is not designed to use continuous agent systems. To resume printing, remove the continuous agent system and install genuine HP (or compatible) cartridges.
- This printer is designed for cartridges to be used until they are empty. Refilling cartridges prior to depletion might cause your printer to fail. If this happens, insert a new cartridge (either genuine HP or compatible) to continue printing.

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## 3 HP Software License Agreement

PLEASE READ CAREFULLY BEFORE USING THIS SOFTWARE PRODUCT: This End-User License Agreement (“EULA”) is a contract between (a) you (either an individual or the entity you represent) and (b) HP that governs your use of the software product (“Software”). This EULA does not apply if there is a separate license agreement between you and HP or its suppliers for the Software, including a license agreement in online documentation. The term “Software” may include (i) associated media, (ii) a user guide and other printed materials, and (iii) “online” or electronic documentation (collectively “User Documentation”).

RIGHTS IN THE SOFTWARE ARE OFFERED ONLY ON THE CONDITION THAT YOU AGREE TO ALL TERMS AND CONDITIONS OF THIS EULA. BY INSTALLING, COPYING, DOWNLOADING, OR OTHERWISE USING THE SOFTWARE, YOU AGREE TO BE BOUND BY THIS EULA. IF YOU DO NOT ACCEPT THIS EULA, DO NOT INSTALL, DOWNLOAD, OR OTHERWISE USE THE SOFTWARE. IF YOU PURCHASED THE SOFTWARE BUT DO NOT AGREE TO THIS EULA, PLEASE RETURN THE SOFTWARE TO YOUR PLACE OF PURCHASE WITHIN FOURTEEN DAYS FOR A REFUND OF THE PURCHASE PRICE; IF THE SOFTWARE IS INSTALLED ON OR MADE AVAILABLE WITH ANOTHER HP PRODUCT, YOU MAY RETURN THE ENTIRE UNUSED PRODUCT.

1. **THIRD PARTY SOFTWARE.** The Software may include, in addition to HP proprietary software (“HP Software”), software under licenses from third parties (“Third Party Software” and “Third Party License”). Any Third Party Software is licensed to you subject to the terms and conditions of the corresponding Third Party License. Generally, the Third Party License is located in a file such as license.txt; you should contact HP support if you cannot find any Third Party License. If the Third Party Licenses include licenses that provide for the availability of source code (such as the GNU General Public License) and the corresponding source code is not included with the Software, then check the product support pages of HP’s website (hp.com) to learn how to obtain such source code.
2. **LICENSE RIGHTS.** You will have the following rights provided you comply with all terms and conditions of this EULA:
  - a. **Use.** HP grants you a license to Use one copy of the HP Software. “Use” means installing, copying, storing, loading, executing, displaying, or otherwise using the HP Software. You may not modify the HP Software or disable any licensing or control feature of the HP Software. If this Software is provided by HP for Use with an imaging or printing product (for example, if the Software is a printer driver, firmware, or add-on), the HP Software may only be used with such product (“HP Product”). Additional restrictions on Use may appear in the User Documentation. You may not separate component parts of the HP Software for Use. You do not have the right to distribute the HP Software.
  - b. **Copying.** Your right to copy means you may make archival or back-up copies of the HP Software, provided each copy contains all the original HP Software’s proprietary notices and is used only for back-up purposes.
3. **UPGRADES.** To Use HP Software provided by HP as an upgrade, update, or supplement (collectively “Upgrade”), you must first be licensed for the original HP Software identified by HP as eligible for the Upgrade. To the extent the Upgrade supersedes the original HP Software, you may no longer use such HP Software. This EULA applies to each Upgrade unless HP provides other terms with the Upgrade. In case of a conflict between this EULA and such other terms, the other terms will prevail.
4. **TRANSFER.**
  - a. **Third Party Transfer.** The initial end user of the HP Software may make a one-time transfer of the HP Software to another end user. Any transfer will include all component parts, media, User





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## 4 Open-source software

### Open source acknowledgments

- This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).
- The source code, object code, and documentation in the com.oreilly.servlet package is licensed by Hunter Digital Ventures, LLC.
- This software is based in part on the work of the Independent JPEG Group.
- Regular expression support provided by the PCRE library package, which is open source software written by Philip Hazel, and copyright by the University of Cambridge, England. Source at <ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre>.
- This software includes cryptographic software written by Eric Young (eay@cryptsoft.com).
- This product includes software developed by the University of Chicago, as Operator of Argonne National Laboratory.

### Open source written offer

In accordance with the GNU General Public License, the SMAIL General Public License, and the Sleepy Cat software license, HP is providing you with this written offer to receive on a CD-R, at the cost of \$30, a complete machine-readable copy of the source code corresponding to all the code distributed to you under a GNU General Public License, SMAIL General Public License, and/or Sleepy Cat software licenses. You can request this CD-R from your local HP support representative; telephone numbers and email addresses can be found at [http://welcome.hp.com/country/us/en/wwcontact\\_us.html](http://welcome.hp.com/country/us/en/wwcontact_us.html).

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## 5 Environmental notices

### Environmental product stewardship program

HP is committed to providing quality products in an environmentally sound manner. Design for recycling has been incorporated into this product. The number of materials has been kept to a minimum while ensuring proper functionality and reliability. Dissimilar materials have been designed to separate easily. Fasteners and other connections are easy to locate, access and remove using common tools. High-priority parts have been designed to access quickly for efficient disassembly and repair. For more information, visit HP's Commitment to the Environment website at <http://www.hp.com/hpinfo/globalcitizenship/>.

### Eco-tips

HP is committed to helping customers reduce their environmental footprint. HP provides eco-tips to help you focus on ways to assess and reduce the impact of your printing choices. In addition to specific features in this product, see the HP Eco Solutions website (<http://www.hp.com/hpinfo/globalcitizenship/>) for more information on HP's environmental initiatives.

### Safety Data Sheet

You can obtain the current Safety Data Sheet for agents and materials used in the printer by accessing the HP website at: <http://www.hp.com/go/msds>.

### Chemical substances

HP is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No. 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at <http://www.hp.com/go/reach/>.

### Plastics

Plastic parts over 25 grams are marked according to international standards that enhance the ability to identify plastics for recycling purposes at the end of product life.

### Recycling program

HP offers an increasing number of product return and recycling programs in many countries/regions, and partners with some of the largest electronics recycling centers throughout the world. HP conserves resources by reselling some of its most popular products. For more information regarding recycling of HP products, see <http://www.hp.com/recycle/>.

## Battery disposal (California)

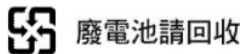
**Attention California users:** The real-time clock battery supplied with this product may contain perchlorate material. Special handling may apply when recycled or disposed of in California. See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/> for information.

**Atención a los usuarios de California:** La pila del reloj en tiempo real proporcionada con este producto puede contener perclorato. Podría requerir manipulación especial cuando sea reciclada o desechada en California. Consulte <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/> para obtener más información.

## Lithium battery

This HP product contains a lithium battery located on the main board that may require special handling at the end of its life.

## Battery disposal (Taiwan)



## Battery directive (EU)



This product contains a battery that is used to maintain data integrity of real-time clock or product settings and is designed to last the life of the product. Any attempt to service or replace this battery should be performed by a qualified service technician.

## Battery disposal- Netherlands



Batteries are delivered with this product. When discharged, do not throw them away, but collect them as small chemical waste.

Bij dit product zijn batterijen geleverd. Wanneer de batterijen leeg zijn, dient u deze niet als huisvuil weg te gooien, maar als KCA in te leveren.

# China Restriction of Hazardous Substances

产品中有害物质或元素的名称及含量

根据中国《电器电子产品有害物质限制使用管理办法》

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
外盖和机壳	0	0	0	0	0	0
结构	0	0	0	0	0	0
电缆	0	0	0	0	0	0
电子组件	X	0	0	0	0	0
显示屏	0	0	0	0	0	0
助熔剂和精细剂	0	0	0	0	0	0
介质传动系统	X	0	0	0	0	0
灯	0	0	0	0	0	0
构建单元	X	0	0	0	0	0

本表格依据 SJ/T 11364 的规定编制。

0：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

此表中所有名称中含“X”的部件均符合欧盟 RoHS 立法。

注：环保使用期限的参考标识取决于产品正常工作的温度和湿度等条件

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# 6 Regulatory notices

## Regulatory Model Number

For regulatory identification purposes, your product is assigned a Regulatory Model Number. This regulatory number should not be confused with the marketing name (such as HP Jet Fusion 580 Color 3D Printer) or marketing product numbers (such as M2K85A or M2K85B). The Regulatory Model Number for your product (such as VCVRA-1804 or VCVRA-1804-01) can be found on the product label on the rear panel of the printer.

## Noise declaration

Declared dual number noise emission values in accordance with ISO 4871:

Operating mode	Printing
Measured sound pressure level* LpA	79 dB
Uncertainty KpA	4 dB

\* At the rear of the printer. Highest sound pressure level over the bystander positions of ISO 11202.

## U.S.A.


### Electromagnetic compatibility (EMC)


#### FCC statements (U.S.A.)

The U.S. Federal Communications Commission (in 47 cfr15.105) has specified that the following notices be brought to the attention of users of this product.

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.

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 **CAUTION:** Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by the HP Company may cause harmful interference and void the FCC authorization to operate this equipment.

 **NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. 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. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to correct the interference at their own expense.

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## Canada

### Electromagnetic compatibility (EMC)

#### Normes de sécurité (Canada)

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe A prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

#### DOC statement (Canada)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

## European Union (EMC)

 **CAUTION:** This equipment is compliant with Class A of CISPR 32. In a residential environment, this equipment may cause radio interference.

## Denmark

For tilslutning af de øvrige ledere, se medfølgende installationsvejledning.

## Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI - A

## Korea

A급 기기 (업무용 방송통신기자재) : RRA statement for Class A  
이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

## Taiwan

警告使用者：  
此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

## China EMC

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对其干扰采取切实可行的措施。

## China Altitude

仅适用于海拔 2000 米以下地区安全使用

## China Tropical

仅适用于非热带气候条件下安全使用

## Australia and New Zealand EMC

This is a class A product. In a domestic environment this product may cause radio interference, in which case the user may be required to take adequate measures.

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# 7 Other terms and conditions

## 1. Site preparation and installation requirements

- a. Customer acknowledges that it has read, understands, and agrees to the requirements detailed in the site preparation guide. Preparation of the site will be at Customer's sole expense and the site must meet the requirements detailed in the site preparation guide prior to the shipment of the products. Failure to comply with the site preparation guide at the time of product installation may result in additional costs and expenses payable by Customer to HP as reasonably necessary to bring the site into compliance with the requirements of the site preparation guide, including but not limited to expenses incurred by HP related to delays in performance of delivery and installation of the products. Any work carried out by HP to bring the site into compliance with the site preparation guide will be charged to the Customer at the then prevailing service rates. "Site" means the Customer-designated site location, being the "ship-to address" where the 3D printer HP products will be installed by HP or HP authorized installer. "HP product" or "product" means the HP-branded 3D printing hardware and any related HP-branded 3D printing accessories, including but not limited to the 3D printer and any accompanying HP-branded software, but excluding HP consumables or services.
- b. As part of the 3D printer product HP installation service, at Customer's expense, Customer will supply the necessary consumables. The failure of Customer to supply the 3D printer HP product installation consumables, which have been delivered by HP, at the time of the product installation may result in additional costs and expenses payable by Customer to HP as necessary due to the delay in installation and also may result in Customer being charged for the required HP consumables at the then current HP standard rates plus shipping. "HP consumables" or "consumables" means the HP-branded fusing agents, detailing agents, materials, printheads, user maintenance kits, and printhead cleaning modules supplied by HP for use with the product ("HP branded consumables") and the third-party branded materials certified by HP for compatibility ("HP certified materials").
- c. Upon completion of the 3D printer product installation by HP or HP-authorized personnel, HP will issue to Customer a Certificate Of Installation ("COI") confirming that the product installation has been completed by HP at the site final installation location. Customer will be required to sign the COI to confirm receipt, but the issuance or validity of the COI is not dependent upon Customer's signature. "Certificate Of Installation" or "COI" means a certificate issued to Customer by HP, or HP authorized personnel, confirming that the product installation has been completed per HP's standards, as determined by HP or HP authorized installer, at the site final installation location. "Final installation location" means the location at the site where the product will be installed as determined by Customer.
- d. After installation is completed by HP or HP authorized reseller, Customer agrees to register the product with HP (either by online form on HP's PrintOS site <https://www.printos.com/start/#/signup> or by registration document provided by HP or HP-authorized resellers), and provide registration information, including but not limited to: basic product information (printer serial number), and basic Customer contact information (company name, owner and operator name, email and contact phone).

## 2. Product usage requirements



The products, services, and consumables are subject to the following additional terms:

- a. The customer agrees to use only HP Branded Consumables and HP Certified Materials in the 3D HP printer product, and understands that use of any consumables other than HP consumables may cause serious product functionality and/or safety issues, including, but not limited to, those outlined in the user guide. The customer agrees not to use the product and/or consumables for uses not permitted by US, EU, and/or other applicable law.
  - b. The customer agrees not to use the product and/or consumables for the development, design, manufacture, or production of nuclear weapons, missiles, chemical or biological weapons, and/or explosives of any kind.
  - c. The customer agrees to comply with the connectivity requirement outlined below.
  - d. The customer may use firmware embedded in the product only to enable the product to function in accordance with its published specifications.
  - e. The customer agrees to comply with the user guide.
  - f. Products, services, and/or technical data provided under these terms are for the customer's internal use and not intended for further resale.
3. Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <http://www.hp.com/go/learnaboutsupplies>.
  4. If product failure or damage is attributable to the use of a non-HP and non-HP-approved consumable product, HP will charge its standard time and materials charges to service the printer for the particular failure or damage.

#### 5. Responsible use of 3D printing

Customer represents, warrants, and agrees that it has and will exercise appropriate policies to ensure that all digital files printed on the Product may legally be 3D printed on the Product in accordance with US and other applicable laws. Customer further represents, warrants, and agrees that, if the digital file is for a firearm, Customer shall ensure:

- a. The end user of the resulting firearm 3D Printed Part is a licensed and regulated firearms manufacturer.
- b. The resulting firearm 3D Printed Part is detectable by airport or similar weapons security screening technology in accordance with US and other applicable laws.
- c. The resulting firearm 3D Printed Part will be traceable by US and other applicable law enforcement.

Customer agrees that HP may require Customer to periodically certify that Customer is in compliance with this "Responsible Use" provision. In addition to other remedies available at law or in equity, HP reserves the right to disable the Product and/or stop selling consumables and service if HP determines that Customer has violated this provision. For the purposes of this Section 5, "3D Printed Parts" means any output or parts created, developed and/or produced by Customer or its customers, partners, and/or other end-users from use of the 3D printing system and consumables.

#### 6. Connectivity requirement and remote monitoring

The customer will allow HP to install the HP Command Center software (or other applicable HP software that controls the HP product and enables remote monitoring) on the customer's computer.

The customer will keep that computer connected to the HP product, and the customer will keep the HP Command Center software running on that computer and connected to the HP product at all times.

The customer will provide, at the customer's sole expense, permanent HP Command Center software connectivity to the HP secure cloud via permanent Internet connection through an HP-approved communications channel and ensure such connectivity at all times as further specified in the site

preparation guide. The customer is responsible for restoring connectivity in a timely manner in the event of interruptions.

THE CUSTOMER AGREES THAT FAILURE TO MAINTAIN THE PRODUCT'S CONNECTION TO THE HP CLOUD AS SPECIFIED IN THE SITE PREPARATION GUIDE WILL RESULT IN LIMITED OR NO PRODUCT FUNCTIONALITY AND LIMITED SERVICE LEVEL.

HP products may collect the customer machine data. The customer grants HP and/or an HP authorized agent permission to access remotely, via the HP Command Center software, the customer machine data from HP products.

The customer machine data will be used by HP and/or an HP authorized agent for the purpose of providing remote support, enabling enhanced diagnostics, preventive maintenance, software updating, calculating supplies and consumables usage and statistics, and evaluating improvements to HP's products and offerings in the future. In addition, the customer machine data will help HP to determine how HP products are being used, which product features are used the most, and to calculate various aggregate HP product usage statistics.

HP and/or HP authorized agents respect your privacy, are committed to protecting your machine data, and will take reasonable precautions to prevent unauthorized access or disclosure and ensure the appropriate use of your machine data. In the event that some data may be categorized as individual level data, HP and/or an HP authorized agents will maintain the privacy of any such data, as well as all data collected, in accordance with the HP Privacy Statement (<http://www.hp.com/go/privacy>) and the Personal Data Rights Notice (<http://welcome.hp.com/country/privacy/privacynotice>) where applicable.

"Customer machine data" means data from the customer's HP product that may include but is not limited to the following: HP product usage data; HP product production data; HP product system events; HP product maintenance and calibration history; HP product model number; HP product serial number; HP product firmware version; HP product IP address; consumable status and history; sensor activity; quantity and type of printheads used; build ID; build duration; and/or print mode. Customer machine data does not include: design files, parts files, job names, job contents, part geometries, thermal maps, user names, or part names.

## **7. Indemnity to HP for 3D parts printed by the printer**

The customer assumes all risk relating to or arising from the 3D Printed Parts. HP shall have no responsibility for any loss or damage caused by the 3D Printed Parts.

The customer shall defend, indemnify, and hold harmless HP from all third-party claims, losses, liabilities, costs, damages, judgments, awards, expenses (including but not limited to attorney's fees, expert witness fees, and bonds) arising out of the customer's or its customers and/or partners or end user's use, operation, distribution, sale, marketing, or possession of the 3D Printed Parts. HP shall provide prompt notification of the claim and cooperation with the defense.

Notwithstanding anything to the contrary contained herein or otherwise communicated to the customer, the customer is solely responsible for the evaluation of and determination of the suitability and compliance with applicable regulations of the products and/or 3D Printed Parts for any use, especially for uses (including but not limited to medical, dental, food contact, automotive, aerospace, heavy industry, and consumer products) that are regulated by US, EU, and other applicable governments. "3D Printed Parts" means any output or parts created, developed, and/or produced by the customer or its customers, partners, and/or other end-users from use of the products.