



Quick Start Guide

HVIN: M1.0,M2.0

Rev 1-052726

Congratulations!

You are about to set up one of the most compact and efficient cleaning systems for 3d printed appliances. This guide contains everything you need to get started with NanoWash.

Training and Support

SprintRay University provides personalized virtual and in-person courses. Discover more at sprintray.com If you have questions, reach out to SprintRay:

- Visit support.sprintray.com
 - Chat sprintray.com/chat
 - Email support@sprintray.com
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Sign Up with SprintRay

Your SprintRay account is used for everything from sending print jobs, ordering designs, and purchasing consumables.

Sign up at account.sprintray.com

Note: You will need an active account to receive notification for print jobs ready to be washed and track progress from your SprintRay account or the mobile app.

Order Consumables

Visit the SprintRay store to order additional Solvent Tank and other accessories/spare parts for your NanoWash.

Visit store.sprintray.com

Order Appliance Designs

Submit scan files and patient information to receive 3D designs ready to print. Available treatments include occlusal guards, surgical guides, clear aligners, hybrid dentures, crowns, removable dentures, smile designs, veneers, bleaching trays, and more.

1 Unbox

[Fig. 1-A] All box contents laid out: NanoWash unit, Solvent Tank, basket, power adapter, and printed materials

Your NanoWash package includes:

- NanoWash base unit
- Solvent Tank (1x)
- Wash basket
- Power adapter and cable
- Quick Start Guide (this document)

i NOTE

Additional Solvent Tanks are sold separately. Having multiple tanks allows you to dedicate a tank to a specific resin type for more precise tracking — or swap quickly without waiting for IPA replacement.

2 Know Your NanoWash

[Fig. 2-A] NanoWash front view — labeled: Touchscreen, Wash Chamber Lid, Solvent Tank slot

Wash Chamber

The wash chamber is where parts are cleaned and dried. Open the red UV-protective lid on top to load parts. You can wash parts directly on a compatible SprintRay build platform, or place them in the included basket. These two methods are mutually exclusive — remove the basket before using platform wash, and remove the platform before using the basket.

[Fig. 2-B] Wash chamber open — showing platform wash position (left) and basket installed (right)

Solvent Tank

The Solvent Tank stores the IPA (or other compatible solvent) used to wash your parts. It slots into the right side of the unit from above and is held in place by its own weight against a precision seal — no locking mechanism required.

The red UV-protective lid on the Solvent Tank is removable by hand, allowing easy filling, draining, and cleaning.

[Fig. 2-C] Solvent Tank — labeled: UV-protective lid, fill level indicator (MIN 1.5L / OPTIMAL 1.9L / MAX 2.2L), RFID tag area, rubber gasket

Fill Level Indicator

The Solvent Tank has printed fill markers on the side:

- MIN 1.5 L — minimum required to start a wash cycle
- OPTIMAL 1.9 L — recommended for best wash results
- MAX 2.2 L — never fill above this line

Touchscreen

Use the touchscreen to start wash cycles, check Solvent Tank status, manage tank assignments, and receive maintenance alerts. Follow on-screen prompts for all guided actions.

[Fig. 2-D] Touchscreen home screen — showing Ready state, Tank mode, Resin assignment, and IPA condition indicator

Exhaust Port

Located on the back of the unit. NanoWash is a fully sealed system — at the end of every wash cycle, an internal fan blows air across your parts to evaporate residual IPA and dry them before you open the lid. Moist, IPA-laden air exits exclusively through this port.

[Fig. 2-E] Rear of NanoWash — labeled: Exhaust Port, Power Port, Power Switch

i NOTE

The exhaust port accepts standard ducting (sold separately). Routing the exhaust to a window or external vent is strongly recommended, especially in enclosed spaces or areas with limited air circulation.

3 Setup

Step 1 — Choose a Location

Place NanoWash on a flat, stable surface near a power outlet.

✓ DO Leave at least 15 cm (6 in) of clearance behind the unit for exhaust airflow Place in a well-ventilated area Use near a sink for easy solvent handling Extend the exhaust using ducting if working in an enclosed space	✗ DO NOT Block or obstruct the exhaust port Place items sensitive to IPA fumes directly behind the unit Place on an uneven or unstable surface Operate in a fully enclosed space without ventilation
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Step 2 — Connect Power

Use the provided power adapter and cable. Plug into a surge protector or uninterrupted power supply. Press the power button on the back of the unit.

[Fig. 3-A] Rear panel — Power Port and Power Switch highlighted

Step 3 — Connect to Network and Sign into Your SprintRay Account

On startup, NanoWash will prompt you to join a Wi-Fi network. Use the touchscreen to connect. An active internet connection allows NanoWash to receive wash jobs handed off from your SprintRay printer, and software updates automatically.

Step 4 — Install the Solvent Tank

1. Remove the Solvent Tank from its packaging.
2. Remove the red lid from the top of the tank.
3. Fill with 91%+ isopropyl alcohol (IPA) to at least the MIN 1.5 L line. OPTIMAL 1.9 L is recommended for best results. Do not exceed MAX 2.2 L.
4. Reinstall the red lid and press it firmly until seated against the gasket.
5. Hold the tank upright and lower it into the slot on the right side of the unit. Align with the wedge track and lower tank until the rubber seal engages. The tank will seat firmly and hold in place.

[Fig. 3-B] Solvent Tank installation — top-down view showing alignment with wedge track and seating motion

⚠ WARNING

Always fill the Solvent Tank before installing it into the unit.

Never pour IPA or solvent directly into the wash chamber — it must only enter through the Solvent Tank.

Use 91% or higher isopropyl alcohol. Lower concentrations reduce wash effectiveness.

4 Washing Parts

NanoWash fully submerges and agitates parts in IPA for a thorough clean — reaching areas between and inside printed geometries that splash-only systems cannot. At the end of every cycle, the sealed chamber dries parts automatically before the lid can be opened.

Platform Wash (Recommended for SprintRay Printers)

Platform washing on NanoWash is compatible with the NanoPrint build platform, Pro 2 and Pro S Arch Kit build platforms. Place a compatible build platform inside the wash chamber.

6. Open the wash chamber lid.
7. Ensure the basket is not installed. Remove it if present.
8. Place the build platform inside the chamber.
9. Close the lid.
10. Tap Start Wash on the touchscreen to begin.

[Fig. 4-A] Wash chamber with build platform mounted — lid open, parts facing down

Basket Wash

Use the basket to wash parts removed from any build platform, or parts printed on non-compatible printers.

11. Open the wash chamber lid.
12. Remove the platform if present.
13. Place parts in the basket and lower the basket into the chamber.
14. Close the lid.
15. Tap Start Wash on the touchscreen to begin.

[Fig. 4-B] Basket installed in wash chamber — lid open

⚠ WARNING

Do not open the lid during a wash or dry cycle. The chamber is sealed; opening mid-cycle will interrupt drying and expose you to IPA fumes.

i NOTE

Wash time varies by resin type. NanoWash selects the appropriate cycle automatically when

connected to SprintRay Cloud. You can also tap Custom Wash on the touchscreen to adjust settings.

5 Solvent Tank Management

Tank Mode: Assigned vs. Mixed

Each Solvent Tank has an RFID chip that NanoWash reads automatically when the tank is installed. You can configure each tank in one of two modes:

- **Assigned** — The tank is dedicated to a single resin type. This allows you to limit exposure of solvent to a single resin at a time, most preferred for shaded resins where shade consistency is of utmost importance. NanoWash tracks wash cycles per resin and alerts you when IPA is ready to be replaced for that material.
- **Mixed (Free Flow)** — The tank accepts parts from any resin type. This is useful when working with more than 3–5 resin types where mixing materials and shades does not affect consistency of printed parts.

To change tank mode, follow the on-screen prompts on the touchscreen. The current mode is always shown on the home screen.

[Fig. 5-A] Touchscreen home screen — Tank mode indicator showing Assigned state with resin name

i NOTE

Most offices working with 3–5 resin types benefit from dedicated (Assigned) tanks.
If you regularly work with more resin types than you have tanks, Mixed mode is the better choice.
You can buy additional Solvent Tanks for your NanoWash at store.sprintray.com.

Topping Off IPA

NanoWash monitors IPA volume and will alert you when the level is low. To top off:

16. Lift the Solvent Tank straight out of the unit.
17. Remove the red lid.
18. Add IPA to the OPTIMAL 1.9 L line. Do not exceed MAX 2.2 L.
19. Reinstall the lid and return the tank to the unit.

[Fig. 5-B] Solvent Tank lid removed — fill level indicator visible with IPA being poured to OPTIMAL line

Replacing IPA

Over time, IPA becomes saturated with uncured resin and loses its cleaning effectiveness. NanoWash tracks usage and will alert you when replacement is needed. Do not wait for parts to come out sticky — act when the machine tells you.

If you change IPA before the machine prompts you (for example, if parts are not washing cleanly), reset the replacement tracker manually from the Settings menu on the touchscreen.

20. Lift the Solvent Tank out of the unit.

21. Remove the red lid.

22. Pour the used IPA into the original container or another sealed, labeled container for proper disposal. Do not pour down the drain.

23. Use the provided brush (or a soft brush) to scrub the interior walls and floor of the tank.

24. Rinse the tank with a small amount of fresh IPA, swirl, and discard the rinse.

25. Refill with fresh IPA to the OPTIMAL 1.9 L line.

26. Reinstall the lid and return the tank to the unit.

27. If you replaced the IPA before the machine prompted you, go to Settings on the touchscreen and reset the IPA replacement tracker.

[Fig. 5-C] Solvent Tank removed from unit — showing pour direction for draining into disposal container

⚠ WARNING

Used IPA mixed with uncured resin is a hazardous material. Never dispose of it down the drain.

Store used IPA in a sealed container and dispose of it through a licensed hazardous materials collection facility. Contact your local environmental agency or the EPA to locate the nearest facility.

6 Exhaust and Ventilation

NanoWash is a fully enclosed system. At the end of every wash cycle, an internal fan activates to blow air across your parts, evaporating residual IPA and drying them before the wash cycle completes. All exhaust — including IPA fumes and moisture — exits only through the exhaust port on the back of the unit.

[Fig. 6-A] Rear of NanoWash — Exhaust Port labeled with airflow direction arrow

Default Operation (No Ducting)

If you do not attach ducting, exhaust exits freely from the port on the back. Make sure at least 15 cm (6 in) of clear space exists behind the machine. Do not place objects sensitive to IPA fumes — electronics, open containers, food — directly behind the unit.

Extended Exhaust (Recommended)

The exhaust port accepts standard ducting, allowing you to route fumes to a window, vent, or external exhaust system. This is strongly recommended for enclosed treatment rooms, spaces with limited air circulation, or anywhere fume accumulation is a concern.

Follow professional advice to make ducting per manufacturer's installation instructions.

[Fig. 6-B] Exhaust port with ducting adapter attached — routing hose toward window

✓ DO Leave at least 15 cm (6 in) clearance behind the unit Route exhaust to an external vent if working in an enclosed space Use ducting rated for solvent fumes Inspect the exhaust port periodically to ensure it is unobstructed	✗ DO NOT Block the exhaust port Place the unit flush against a wall Store materials sensitive to IPA fumes directly behind the unit Operate in a fully enclosed space without ventilation or ducting
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7 Cleaning and Maintenance

NanoWash is largely self-maintaining. Follow these steps to keep it in optimal condition.

Wash Chamber

The wash chamber is flushed with IPA during every cycle and does not require routine cleaning. Wipe down the exterior of the machine and the top lid periodically with a damp cloth.

⚠ WARNING

Never scrub the interior walls of the wash chamber or attempt to clean the propeller mechanism.

Solvent Tank

The Solvent Tank is a long term consumable, inspect it regularly for signs of wear and clogging. It is recommended to replace Solvent Tanks once every year. Clean the Solvent Tank each time you replace IPA. See Section 5 — Replacing IPA for the full procedure.

Store unused Solvent Tanks in a place away from direct sunlight. Do not use Solvent Tank as a storage for IPA, if you are not planning to use IPA in the Solvent Tank for more than a month, transfer IPA into its original container.

[Fig. 7-A] Solvent Tank lid removed — gasket highlighted

Solvent Tank Seal

The rubber seal on the unit (where the Solvent Tank mates with the machine) should be inspected periodically for residue buildup. Wipe clean with a cloth dampened with IPA if needed. Do not scrub aggressively or use abrasive materials. If the rubber seal on the unit shows signs of wear, simply replace it with the spare provided. Never operate the machine without the rubber seal installed.

Software Updates

NanoWash receives updates automatically when connected to Wi-Fi. Keep the unit connected to ensure you always have the latest wash profiles, safety features, and performance improvements.

i NOTE

If parts are coming out sticky or not fully clean, the most common cause is saturated IPA.

Replace the IPA (Section 5) before investigating other causes.

If the problem persists after a fresh IPA fill, contact SprintRay support at sprintray.com/support.

8 Safety Summary

Review this section before operating NanoWash. For full safety information, refer to the Instructions for Use (IFU) at sprintray.com/support.

IPA and Solvent Handling

✓ DO

- Use 91% or higher isopropyl alcohol
- Fill the Solvent Tank only — never pour IPA directly into the wash chamber
- Keep IPA away from open flames and heat sources
- Wear gloves when handling IPA or removing freshly washed parts
- Dispose of used IPA through a licensed hazardous waste facility

✗ DO NOT

- Pour used IPA down the drain
- Overfill above the MAX 2.2 L line
- Use non-compatible solvents without consulting SprintRay
- Leave uncapped IPA unattended near the machine
- Cure used IPA/resin mixture under UV light as a disposal method

Machine Operation

✓ DO

- Keep at least 15 cm (6 in) clearance behind the unit
- Ensure the lid is fully closed before starting a cycle
- Allow the drying cycle to complete fully before opening the lid
- Route exhaust with ducting in enclosed or low-ventilation spaces

✗ DO NOT

- Open the lid during a wash or dry cycle
- Block the exhaust port
- Operate without IPA in the Solvent Tank
- Modify or bypass any safety interlock

⚠ WARNING

- 3D printing resins and IPA-resin mixtures are hazardous. Avoid skin and eye contact.
- Wear nitrile gloves and eye protection when handling resins or used solvents.
- Keep out of reach of children.



SprintRay NanoWash

Supplemental Product Safety Sheet

Rev1-052026

Model

SRP2504A

EN

Operating Requirements

Environment

NanoWash is intended for indoor use only. Place the post processing unit in a well-ventilated environment on a level, flat surface. Ensure the device is kept away from direct sunlight, windows, extreme temperatures, and bright UV light sources.

Altitude

The operating altitude is between -15 m to 2,000 m {-50 ft to 6,561 ft)

Temperature

The operating temperature is between 21 °C to 29 °C {70 °F to 85 °F)

Power

Requirements

We recommend an independent 100v-240v outlet for NanoWash.
NanoWash draws 80 watts of power.



WARNING

Failure to meet these requirements may impair NanoWash to be performing according to SprintRay advertised specification.

Safety Measures

Protective Gear

We recommend wearing gloves while handling the 3D printer and materials.

Materials and Handling

Direct exposure to methacrylic based materials may cause skin irritation. Always wear gloves while handling the materials. Please refer to resin Material Safety Data Sheets for safe handling, storing, cleaning, and disposal of resin materials available to access from sprintray.com/sds

Cleaning and Maintenance

We recommend cleaning the NanoWash often, especially the Optical Panel on the printer to ensure optimal print conditions. In the case of resin spillage, first remove the spillage and then clean the printer with IPA and soft cloth. For more information, visit support.sprintray.com or consult SprintRay customer support.



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Failure to clean and maintain the unit according to SprintRay standards may cause damage to the equipment.

Technical Specifications

Models	SRP2504A (Indoor Use Only)	Power Input	24 V DC
Dimensions (W x D x H)	372*273* 304mm	Operational Frequency	/
Net Weight	7.05kg	Main Supply Voltage Fluctuation	±10%
Humidity	85%	Pollution Degree	Degree 2 device
NanoWash Connectors	• USB Type C, used for performing manual updates • Power, used with the power cable to power the device • Ethernet, used for connecting to a network with an ethernet cable.		
Component Revision	NanoWash components may be labeled with a revision number. Revisions to components may be necessary as materials and processes evolve. "Rev-01" indicates the first version of the component with subsequent revisions ascending e.g. "Rev-02," "Rev-03," "Rev-04."		

FCC Warning

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. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



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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 television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated at a minimum distance of 20 cm between the radiator and your body.

EU Declaration of Conformity

This Product complies with the radio interference requirements of the European Community.

Product Name: NanoWash

Product Model: SRP2504A

Manufacturer: Zhejiang Xunshi Technology Co., Ltd

Address: No.300 Guazhu West Road, Keqiao District, Shaoxing City, Zhejiang, China



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1. This product is intended to be operated at up to 2000m above sea level.
2. The disconnection from line voltage is made by appliance coupler.

Simplified EU Declaration of Conformity

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows:

Hereby, Zhejiang Xunshi Technology Co., Ltd declares that radio equipment type SRP2504A is in compliance with Directive 2014/53/EU, and this product is allowed to be used in all EU member states. The full text of the EU declaration is available at the following:https://support.sprinray.com/en_US/pro-2-getting-started/hardware-regulatory-documentation

This product can be used across EU member states.

SprintRay GmbH

Address: Brunnenweb 11.64331 Weiterstadt, Germany

Phone: +49 06 150 97894800

Mail: info.eu@sprinray.com

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range in AT, BE, BG, CY, CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, UK(NI), CH, IS, LI, NO, TR.



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ISED Canada Compliance

The device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-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.

Operation of this device in the band 5150-5350 MHz is restricted to indoor use only.
operating in the band 5150–5250 MHz shall only be used indoors to reduce the potential for harmful interference to co-channel mobile satellite systems

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'utilisation de cet appareil dans la bande 5150-5350 MHz est limitée à un usage intérieur.

L'utilisation dans la bande 5150-5250 MHz est également limitée à un usage intérieur afin de réduire les risques d'interférences nuisibles avec les systèmes de téléphonie mobile par satellite utilisant la même fréquence.

Cet appareil est conforme aux directives relatives à l'exposition aux radiofréquences. Les utilisateurs peuvent consulter les informations canadiennes sur l'exposition aux radiofréquences et la conformité. La distance minimale entre l'appareil et le corps est de 20 cm.