

Version 3.3
Updated on 05/20/21

Pro Wash/Dry™

Quick Start Guide

Congratulations!

Your new Pro Wash/Dry system is the most technologically advanced system for cleaning 3D printed parts. Thanks to its patented mechanical jetting system and onboard computer, you'll be saving time, money, and resources.

But before you get started, please read through this guide and make sure to follow all procedures outlined herein when using Pro Wash/Dry.

Training and Support

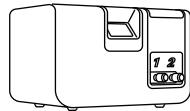
Your Pro Wash/Dry comes with complimentary phone and email support. If you have questions, please get in touch:

Visit support.sprintray.com
Call 800-914-8004
Email support@sprintray.com

1 In the Box

Pro Wash/Dry comes out of the box with most parts pre-installed.

The hydrometers are pre-calibrated for each chamber to float when it's time to refresh solvent.



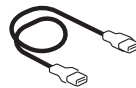
Pro Wash/Dry Unit



Basket
Pre-installed
(See Section 6)



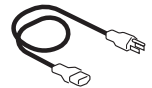
Wash Filter
(See Section 9)



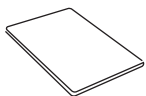
USB Cable
(See Section 12)



Power Adaptor



Power Cable



Onboarding Card



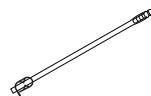
Pro 55 Adaptor
(See Section 11)



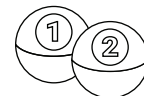
Metal Tweezers
(See Section 9)



Cleaning Brush
(See Section 8)



Drain Hose
Pre-installed
(See Section 7)



Hydrometers
Pre-installed
(See Section 4)

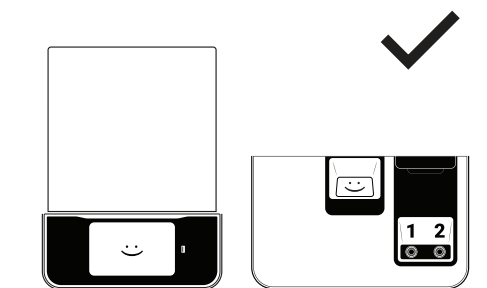


Magnet Sticker
For Platform
(See Section 10)

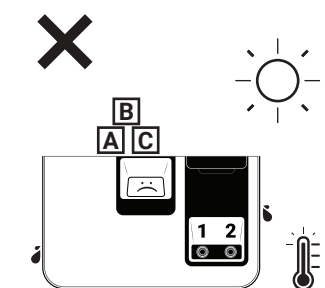
2 Where to Set Up

Place your Pro Wash/Dry in a well-ventilated area on a flat, level surface. Keep it away from extreme temperatures, windows, bright light sources, and direct sunlight.

Never set anything on top of Pro Wash/Dry.



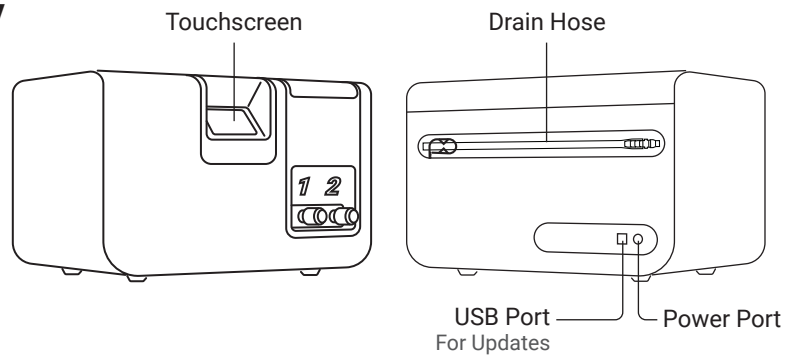
Level surface away from light and heat.



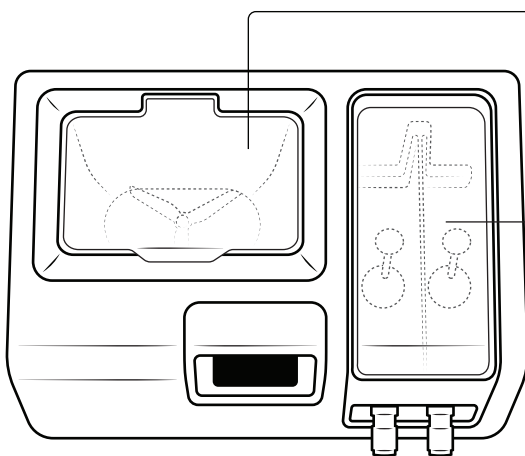
3 Plug in Your Pro Wash/Dry

Use the provided power cable and power adaptor to plug your Pro Wash/Dry into a surge protector or uninterrupted power supply.

If you need to perform a hard reset or disconnect your Pro Wash/Dry from its power source, simply unplug and then plug in the power cable.



4 The Basics



Wash Chamber

This chamber is where the washing and drying is performed. There are two wash methods: direct platform and basket wash. Solvent will automatically pump in and out of these reservoirs.

! Never pour solvent directly into this chamber. It should only ever be poured into the reservoirs.

Reservoir

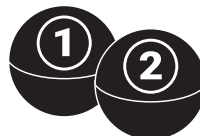
The reservoir consists of two chambers, each capable of holding 2 liters. Pour solvent directly into the reservoir chambers.

Chamber 1 performs the bulk wash.

The solvent in this chamber will need to be refreshed more frequently.

Chamber 2 performs the fine wash.

The solvent in this chamber can be recycled into Chamber 1 if desired.



Hydrometers

Hydrometers measure the resin saturation levels in each chamber. When solvent becomes fully saturated, it will no longer effectively clean 3D printed parts. Each hydrometer is specially calibrated to float when the solvent has become saturated; when this happens, it's time to drain and refresh with clean solvent.

! Floating Hydrometer = Refresh Solvent

When a hydrometer floats, the solvent has become saturated with resin and will no longer effectively clean parts. Drain and replace with fresh solvent to continue.

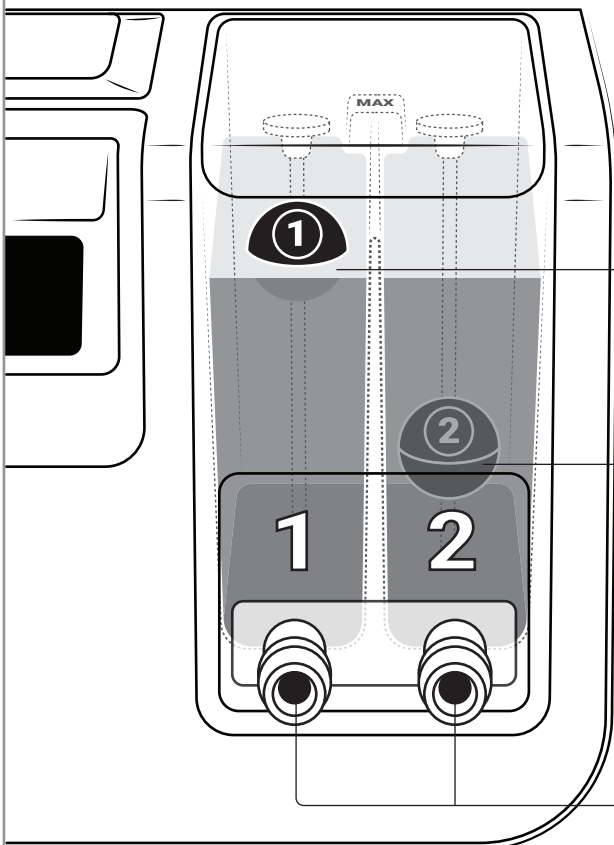
! Submerged Hydrometer = Solvent Okay

When a hydrometer is submerged, it is acceptable for use and will properly clean your printed parts.

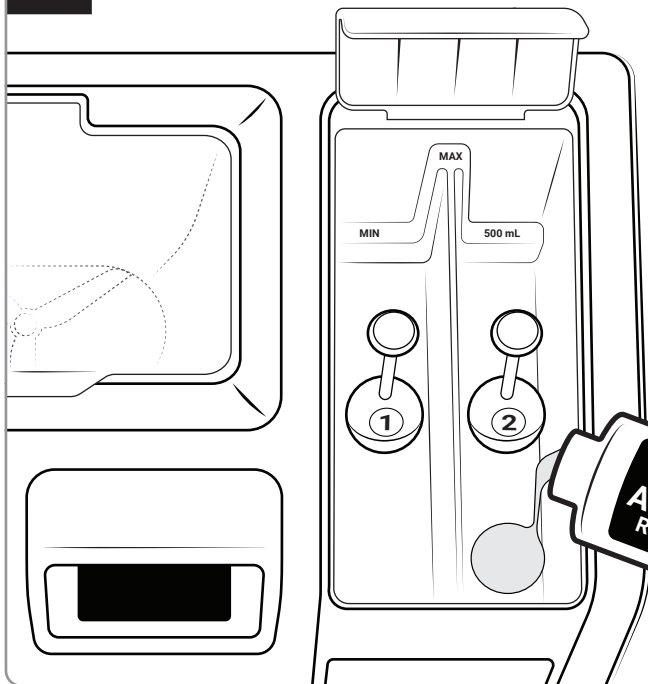
! Failure to replace IPA when hydrometer floats will void warranty.

Quick Connect Ports

Each chamber has a quick connect port. When a hydrometer floats to the top of the solvent, use the provided drain hose (attached to the back of the machine) to drain the chamber as shown in section 7.



5 How to Add Solvent to Pro Wash/Dry



Open the reservoir lid and add at least 500mL of the solvent of your choice to each chamber. IPA 91% is recommended. IPA 99% and ethanol can be used, but the chamber level sensors may not be fully functional until after a few wash cycles have been run.

If you haven't added a sufficient volume of solvent, the onboard computer will detect this and notify you.

Always ensure that the lid of the reservoir is closed in order to preserve the life of your solvent to prevent evaporation.

! Hydrometers may float when solvent is refreshed, but will sink after a few minutes.



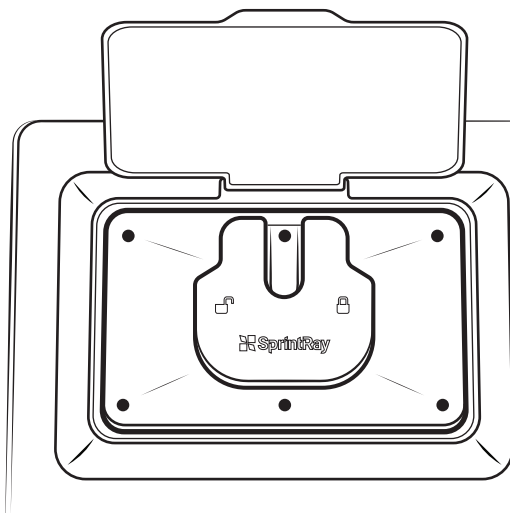
2 Liters

Recommended
Per Chamber

500 mL

Minimum Required
Per Chamber

6 How to Use Pro Wash/Dry



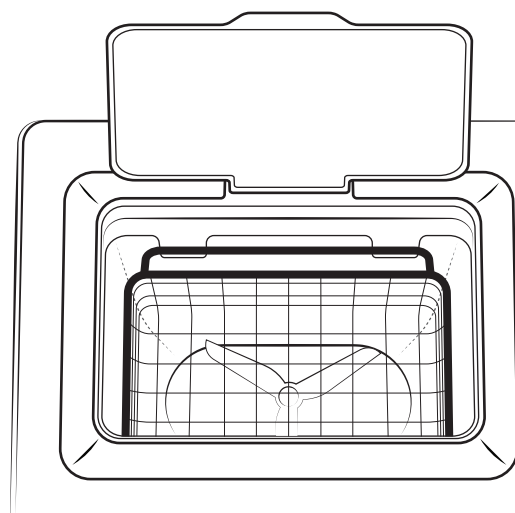
Wash with Print Platform

Pro Wash/Dry is designed with SprintRay Pro in mind. Remove the basket and place the Pro95 print platform or Pro55 print platform with adaptor (see Section 11) to wash both parts and platform simultaneously.

! When washing with the print platform, remove the basket from the wash chamber.

Recommended for:

- Models shorter than 4"
- Solid Models
- Models for Aligners
- Surgical Guides
- Night Guards
- Dentures
- Crowns



Wash with Basket

To use the basket, place models inside, close the lid, and select your preferred wash cycle from the touchscreen. The system will not start washing until the lid is closed.

! Do not stack models on top of each other or crowd them together, as this can greatly reduce wash efficiency.

Recommended for:

- Models Taller than 4"
- Hollow/Shell Models

7 How to Drain Solvent from Pro Wash/Dry

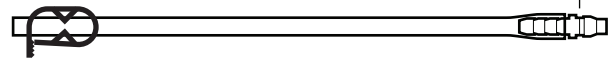
Pro Wash/Dry comes out of the box with the drain hose clipped to the back. Gently pull to remove.

Locate the metal tip. This is the quick-connect inlet that mates to the quick-connect ports on the front of each chamber. The outlet has a plastic lock at the end.

To drain a chamber, press the inlet tip into the quick connect port until it firmly clicks into place. When connected, solvent will begin to run through the hose. To disconnect the drain hose, press the outer ring of the quick connect port toward Pro Wash/Dry.

Quick Connect Metal Tip

The metal tip of the inlet port is designed to connect to the quick connect ports on the front of Pro Wash/Dry.

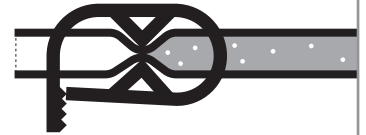


Liquid Stopper

The drain hose has a lock to prevent accidental drainage.

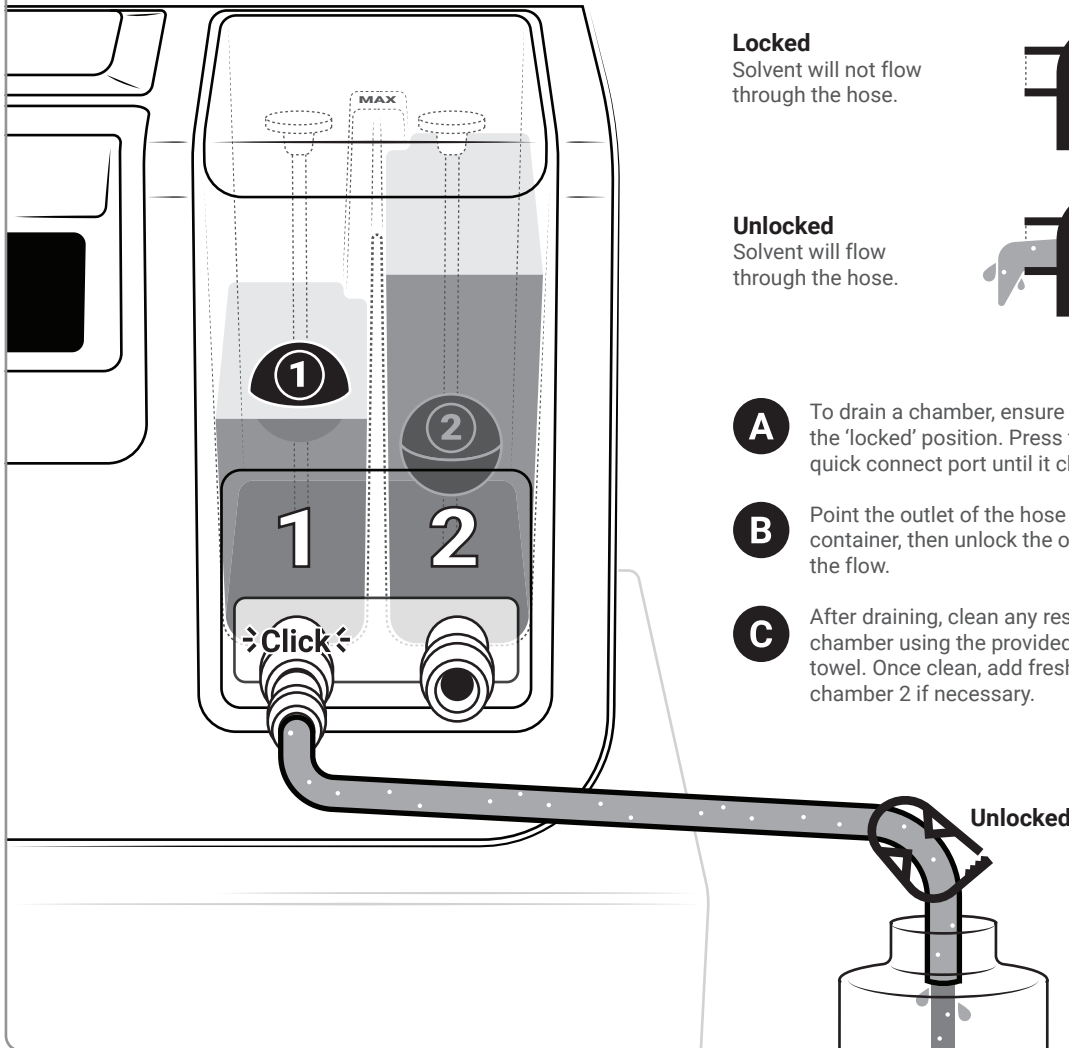
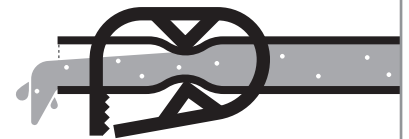
Locked

Solvent will not flow through the hose.



Unlocked

Solvent will flow through the hose.



A To drain a chamber, ensure the outlet clamp is in the 'locked' position. Press the metal tip into the quick connect port until it clicks into place.

B Point the outlet of the hose into a disposable container, then unlock the outlet clamp to open the flow.

C After draining, clean any residue left inside the chamber using the provided brush and a paper towel. Once clean, add fresh solvent. Repeat for chamber 2 if necessary.

8 How to Clean the Wash Chamber and Reservoirs

We recommend cleaning the wash chambers periodically, depending on your usage.

To clean the chambers, remove the rubber caps from the tops of the hydrometer rods, then remove the hydrometers. Use the provided brush, a paper towel, and a solvent to remove all resin buildup and residue from the walls and floor.

Make sure to clean the level sensor leads as well. If these sensors become covered with resin, Pro Wash/Dry won't be able to detect solvent levels.

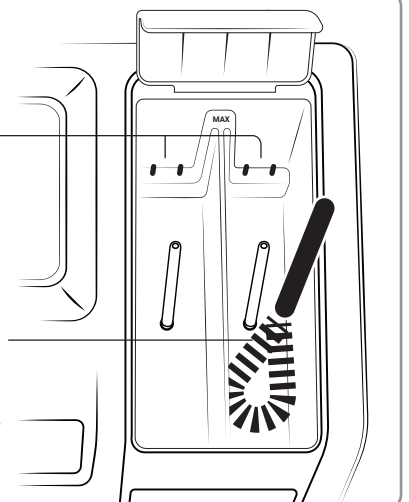
The hydrometers are pre-calibrated for their reservoirs.
Return hydrometer 1 to chamber 1 and hydrometer 2 to chamber 2.

Clean Sensors

Clean all resin and residue buildup from the level sensors.

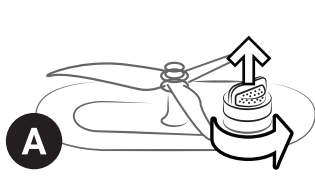
Clean All Surfaces

Thoroughly scrub and clean the walls and floor of the chambers.



9 How to Clean the Wash Chamber Filter

Pro Wash/Dry has a mesh filter that prevents resin debris from reaching the sensitive plumbing. This filter should be regularly cleaned. If it cannot be sufficiently cleaned, the filter should be replaced.



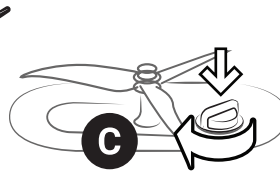
Remove

Clean the area around the filter to ensure no debris falls into the plumbing when it is removed. Turn counter-clockwise by hand to release the filter.



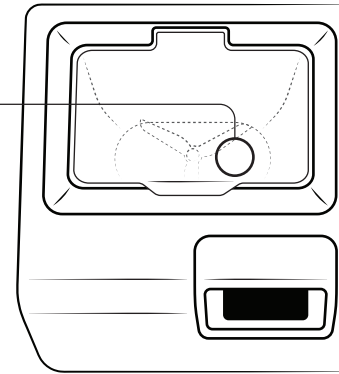
Clean

Flush the filter with solvent to remove resin debris. Use provided tweezers to remove any additional debris from the mesh.



Locate Filter

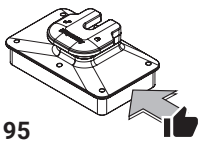
Find the filter near the wash propeller.



10 How to Install Magnet on Print Platforms

Pro Wash/Dry uses magnets to detect when a print platform is present so that it can run the optimal cleaning program. To enable this functionality, a magnet must be installed along the side of your print platform.

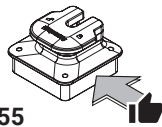
To install, thoroughly clean and dry the right side of your print platform, then adhere the magnet as indicated in the diagram below.



Pro 95

Print Platform

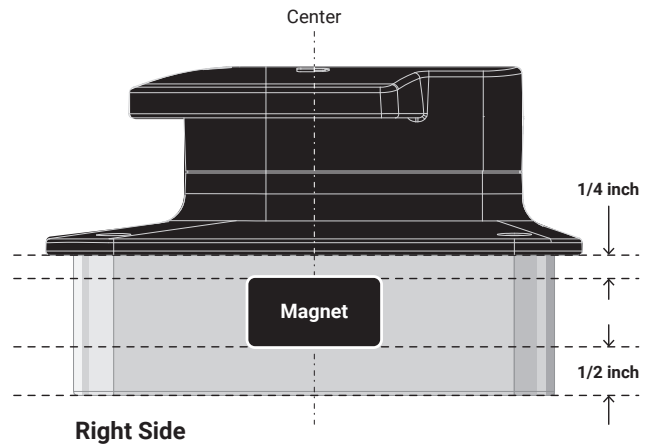
Place magnet on the right side.



Pro 55

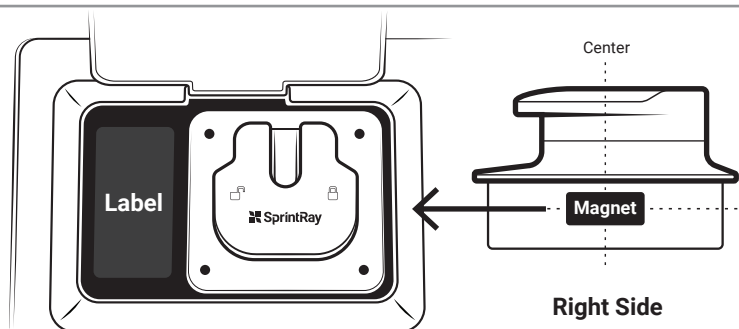
Print Platform

Place magnet on the right side.



11 How to Use Pro55 Adaptor

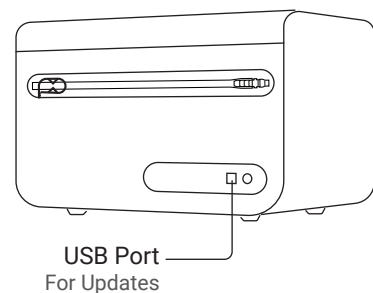
If using a Pro55 with Pro Wash/Dry, place the included adaptor atop the wash chamber so that the opening is on the right. Place the Pro55 print platform and start the wash process as normal.

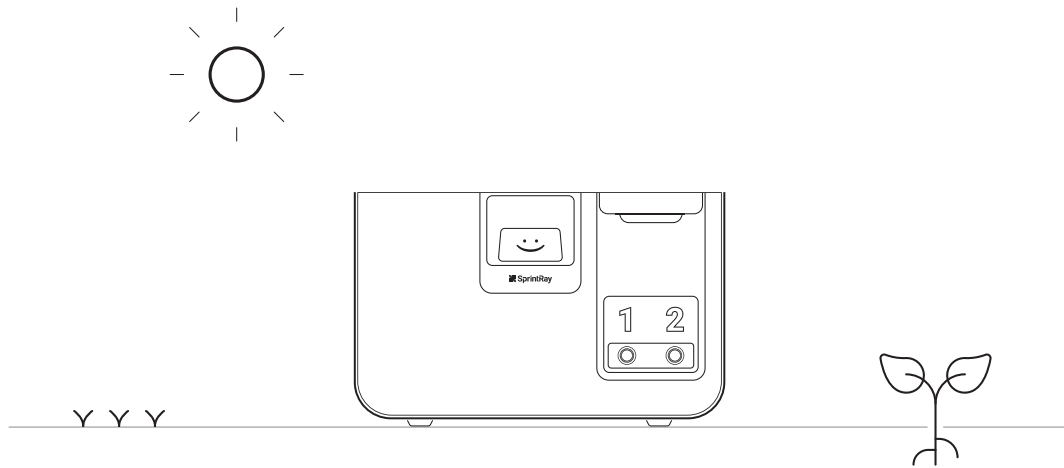


12 How to Update Pro Wash/Dry

SprintRay will periodically update Pro Wash/Dry to improve system functionality and add new wash profiles.

Visit sprintray.com/software to check for updates and to view update instructions,





Cleaner parts, less waste.

SprintRay Pro Wash/Dry uses patented technology to improve the efficiency of the washing and drying processes. It's better for your pocketbook and better for the environment. Nice choice.

Here are three easy tips to help you go the extra environmental mile with your used isopropyl alcohol (IPA):

- 1** Never flush IPA down the drain
- 2** Keep all IPA packaging for storing used IPA
- 3** Set up IPA recycling with a materials disposal company

For additional information, visit support.sprintray.com



Always wear gloves and proper eye protection.