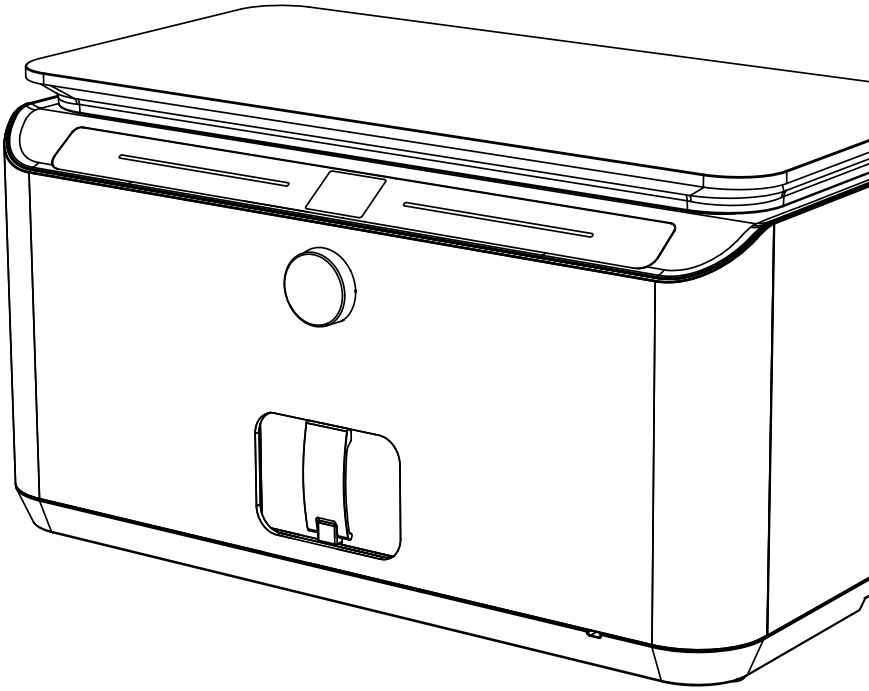
STERLINK U-510

User Manual

PLA-UM-STN-001_Rev.02



plasmapp

Welcome

Thank you for purchasing this equipment.
Please read this User Manual carefully before using the product.

Table of Contents

1. How to Use the User Manual ····· 3
2. Safety Information ····· 4
3. Overview of the Sterilization Equipment ····· 8
4. Preparation of Medical Devices ····· 12
5. How to Use the Product ····· 15
6. Maintenance ····· 22
7. Troubleshooting ····· 26
8. Warranty ····· 27
9. Revision ····· 28

©2026 Plasmapp Co., Ltd. All rights reserved.

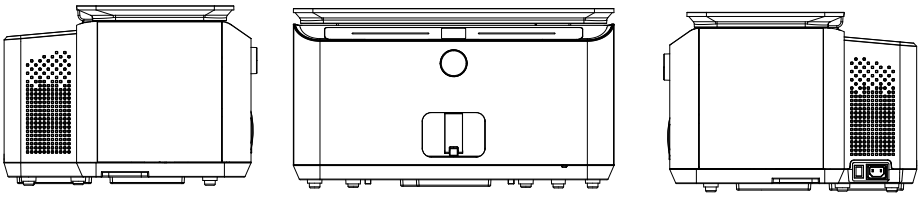
This publication has intellectual property rights owned by Plasmapp Co., Ltd.
You may not copy, reproduce, modify, or translate in any way exploit such content,
without prior written permission of the right holder.

1. How to Use the User Manual

As a user of this sterilization equipment, it is essential to read the sections on “User Manual" before using the sterilizer.
"Chapter 1 How to Use the User Manual" describes the structure of the user manual.
"Chapter 2 Safety Information" provides information on the safety aspects of using the sterilizer.
"Chapter 3 Overview of the Sterilization Equipment" summarizes brief information about the sterilization equipment and its components.
"Chapter 4 Preparation of Medical Devices" explains how to prepare and package medical devices.
"Chapter 5 Operation" describes how to use the sterilizer and ensure optimal sterilization results. If you are responsible for managing and supervising this sterilization equipment, you must read the entire user manual, including the sections after Chapter 5.
"Chapter 6 Maintenance“, "Chapter 7 Troubleshooting“, “Chapter 8 Warranty”, “Chapter 9 Revision” and "Appendix" are included for reference. Please keep this manual stored properly for easy and quick access to the necessary information in case of any issues.

※ This manual is produced based on the current state and its contents are subject to change without prior notice.

※ For inquiries regarding the operation of the sterilizer or to confirm the safe sterilization of specific types of medical devices, please contact the Plasmapp customer center at +82-1544-0508. For international inquiries, please contact the nearest Plasmapp customer support representative.
You can also inquire through the Plasmapp website at www.Plasmapp.com.



2. Safety Information

Plasmapp prioritizes user safety above all else and provides information in this section to ensure the safe use of the product. Users must familiarize themselves with the safety information and instructions before using the product. It is imperative to read and understand the warnings, cautions, and notes in the user manual. This information ensures both customer safety and optimal results from the product.

※ We do not take responsibility for any accidents, such as product damage, resulting from the use of the product in a manner not specified in this manual.

Personal Safety and Emergency Treatment

Warning! Hydrogen peroxide is a corrosive agent.
Concentrated hydrogen peroxide can corrode the skin, eyes, nose, throat, lungs, and gastrointestinal tract. Always wear latex, PVC (vinyl), or nitrile gloves when removing items from the sterilizer if the process is canceled or an error occurs. Residues of hydrogen peroxide may remain. If hydrogen peroxide comes into contact with the skin, immediately rinse the affected area with flowing water. If symptoms are severe or persistent, seek medical advice immediately.

Warning! Hydrogen peroxide is an oxidizing agent.
Ensure that hydrogen peroxide does not come into contact with organic materials such as paper, cloth, wood, or lubricants. Concentrated hydrogen peroxide, in particular, is a strong oxidizing agent and can react with organic materials, potentially causing ignition and fire.

Warning! Risk of eye injury.
Direct contact of hydrogen peroxide with the eyes can cause severe tissue damage. If hydrogen peroxide comes into contact with the eyes, immediately rinse the eyes with flowing water and consult a doctor promptly.

Warning! Risk of skin injury.
Direct contact with hydrogen peroxide can cause severe inflammation of the skin. If hydrogen peroxide comes into contact with the skin, immediately rinse the affected area with flowing water. If symptoms are severe or persistent, seek medical advice promptly.

Warning! Risk of respiratory irritation.
Inhaling hydrogen peroxide vapors can cause severe irritation to the lungs, throat, and nose. If inhaled, move to an area with fresh air. If symptoms are severe or persistent, seek medical advice promptly.

Warning! Concentrated hydrogen peroxide is toxic.
Ingesting hydrogen peroxide can be life-threatening. If swallowed, dilute the hydrogen peroxide by drinking plenty of water. Do not induce vomiting. If symptoms are severe or persistent, seek medical advice promptly.

Warning! Handle surfaces with caution immediately after sterilization.
After the sterilization cycle, the interior of the sterilizer may be hot. Do not touch the chamber or interior of the sterilizer with bare hands or gloved hands.

Personal Protective Equipment

Warning! Residual hydrogen peroxide may be present.
In the event of a process cancellation or error, always wear latex, PVC (vinyl), or nitrile gloves when handling loaded medical devices. Residual hydrogen peroxide may remain inside medical devices or sterilizer chambers.

Caution, Warning, and Note

Warnings and cautions are accompanied by a triangular symbol and printed in bold italic. Warnings indicate events or conditions that could result in serious injury or death, while cautions indicate events or conditions that could cause serious damage to equipment.
Notes are accompanied by a checkmark symbol and printed in italic. Notes emphasize specific information regarding the correct use and maintenance of the sterilizer.

기호

	Wear Safety Gloves | Please wear protective gloves.
	Warning and Precautions | Warning and precautions are displayed in a triangle symbol.
	General Hazard Sign | Be cautious when handling.
	High Temperature Warning | Do not touch without protective equipment.
	Hazardous Chemicals (Corrosive) | Use personal protective equipment.
	Toxic Chemicals | Avoid exposure, contact, and ingestion.
	Risk of Hand Injury | Protect your hands while operating
	Risk of Electric Shock | There is a risk of electric shock if contacted without electrical safety devices.
	No Pushing | Do not push the product.
	No Sitting | Do not sit on the product.
	No Stepping | Do not step on the product.
	Power on
	Power off
	Protective earth (GROUND)
	DC (Direct current)

	AC (Alternating current)
	Manufacturer
	Date of manufacturing
	Use-by date
	Serial number
	Temperature limit
	Humidity limit
	Refer to instructions manual
	Caution
	Waste Electrical and Electronic Equipment (WEEE) | The equipment should not be disposed of in the normal waste stream.
	Unique Device Identifier
	Batch Code
	Keep away from sunlight

3. Sterilizer Overview

Purpose of Use

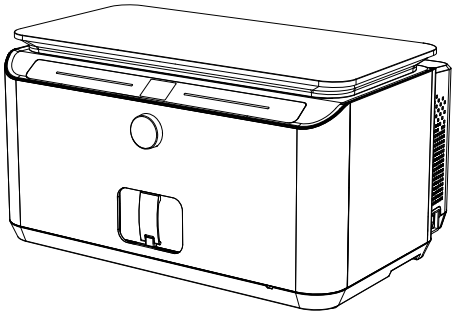
The sterilization system is a low-temperature plasma sterilizer designed to inactivate microbes on metal and non-metal medical devices and surgical tools at low temperatures. This product is effective, safe, fast, economical, easy to use, reliable, and offers a variety of sterilization methods.

When using the sterilizer in accordance with the instructions in this user manual, please read "Chapter 4: Preparation of Medical Devices" which describes the materials and lumen sizes of the medical devices that can be used. When selecting reusable medical devices to be operated in this sterilization system, the reuse information should be obtained from the medical device manufacturer in accordance with international standards (ISO 17774 or AAMI TIR 12).

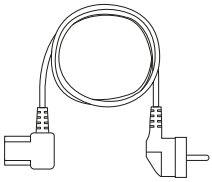
Sterilization Procedure

As a medical professional, you are likely already well-acquainted with the general principles of sterilization. However, Plasmapp's sterilizer utilizes a unique method that sets it apart from other sterilizers, thus requiring special attention.
This sterilizer diffuses hydrogen peroxide vapor inside a chamber or pouch to sterilize medical devices. It can quickly sterilize medical devices and materials without leaving toxic residues. Medical devices that are sensitive to heat and moisture will not be damaged by this sterilization process.
The sterilizer can be used on both metal and non-metal medical devices and is capable of sterilizing instruments with hard-to-reach spaces, such as forceps. For more details, refer to "Chapter 4: Preparation of Medical Devices."
The sterilizer guarantees a Sterility Assurance Level (SAL) of 10^{-6}, as defined by the U.S. Food and Drug Administration (FDA) and international standards, only when used within the material and geometric requirements as directed in this user manual.
This sterilizer has been pre-validated to achieve a 10^{-6} SAL under the worst-case conditions, including lumens. If you need additional technical information related to validation, please contact Plasmapp or your local Plasmapp customer service.

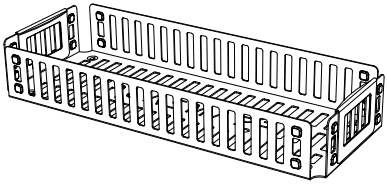
Product Composition



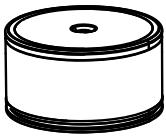
Product Main Unit



Power Cable



Tray



STERLOAD U30
※ Separately Packaged

Installation Manual

Caution Sticker

Product Rated Specifications

Category	Details			Unit
Dimensions	542 (W) × 418 (D) × 308 (H)			mm
Chamber Capacity	470 (W) × 185 (D) × 90 (H), 8			mm, ℓ
Product Weight	30			kg
Safety Devices	Physical	Door sensor and vacuum-based opening prevention		-
	Electrical	Rated fuse inserted for overcurrent protection		-
Vacuum	Minimum Pressure	≤ 30		Torr
	Rate of Pressure Change	≤ 6		Torr/min.
Electrical Characteristics	Rated Voltage	100 ~ 120		VAC
	Rated Frequency	50 / 60		Hz
	Power Consumption	1.7		kW
	Fuse	125V, 15A		-
Process Variables	Sterilization Temperature	30 ~ 60		℃
	Pressure before Sterilant Injection	≤ 30		Torr
	Sterilant Diffusion Pressure	25 ~ 80		Torr
Sterilization Process	Sterilization Time	Standard Mode	18 ± 2	min.
		Advanced Mode	31 ± 2	
Sterilant	Hydrogen Peroxide (H_2O_2 58.0%~59.5%)			-

Warning! Risk of Electric Shock
To avoid the risk of electric shock, this device must be connected only to a power supply with protective grounding.

Caution! Check the Usage Method
Using this equipment adjacent to or stacked with other equipment may cause malfunctions, which should be avoided. If such use is necessary, observe to ensure that this equipment and other devices are functioning properly.

Warning! Check the Expiry Date
When using a sterilization cassette, check its expiry date. If it has expired, dispose of it and use a new sterilization cassette.

Warning! Residual hydrogen peroxide may be present.
Always wear latex, PVC (vinyl), or nitrile gloves when handling medical devices loaded in the device after a process has been canceled or an error has occurred. Residual hydrogen peroxide may be present in the medical devices or the sterilizer chamber.

4. Preparation of Medical Devices

Indications for Use

This sterilization device is designed for the sterilization of metal and non-metal medical devices at low temperatures. The sterilization process is a multi-phase procedure that utilizes the exposure to hydrogen peroxide vapor and a combination of plasma to complete the process.

Warning! Familiarize with the Process
Before sterilizing, verify how the sterilization process of this sterilizer product affects medical devices. If you have any questions or concerns about the materials contained in the device, contact the medical instrument manufacturer or your local Plasmapp customer service center.

Warning! Risk of Warranty Violation
Improper use of the equipment can cause damage to the device, and the manufacturer does not warrant against damage due to improper use.

Items That Can Be Sterilized

There are many types of materials and equipment that can be sterilized with this sterilizer product. The list of compatible items continues to grow as more products complete sterilizer testing. New information will be updated. If you have any questions, please contact the medical instrument manufacturer or your local Plasmapp customer service center.

Caution! Risk of Damage to Medical devices or Sterilizer
Do not sterilize items or materials that are not suitable for use with this sterilizer product. Refer to the medical instrument manufacturer's instructions or contact your local Plasmapp customer service center to determine the items that can be sterilized with this sterilizer system.

※ Titanium Nitride Coating (TiN) coated surfaces, such as dental drills, can become discolored or faded.

Items That Cannot Be Sterilized

The following items should not be processed with the sterilization system of this sterilizer product:

- Single-use items that the manufacturer does not recommend for re-sterilization.
- Liquids and powders.
- Items or materials that absorb liquids.
- Items made from fibrous materials, including those containing cotton, paper or cardboard, linen, towels, gauze sponges, or wood pulp.
- Medical devices with paper-based labels or stickers attached.
- Items with surfaces made of Nylon®.
- Devices that cannot withstand vacuum and are sterilized by steam sterilization only.
- Devices that might undergo surface deformation due to vacuum.
- Lumens that are blocked at one end.
- Any other tools that the manufacturer does not recommend for use with the STERLINK™ sterilizer.

Guidelines for Preparing Items to be Sterilized

All items must be washed, rinsed, and fully dried before being placed in this sterilizer product. If a medical device with too much moisture is inserted, the cycle may automatically cancel.

Washing, Rinsing, and Drying

Washing and sterilization are two separate processes. As with common sterilization methods, it is important and essential to properly wash instruments and devices before sterilization. All items must be washed, rinsed, and fully dried before being placed in the sterilizer.

Before packaging, carefully check all instruments and devices for cleanliness, dryness, and any signs of scratches or damage. If there are any visible stains or moisture before sterilization, the instrument must be rewashed and dried. Devices and instruments with defects or damage should be replaced or repaired before use.

Washing is essential to remove organic and inorganic materials and debris from the target medical devices. This process removes the majority of microbes from the surface. Sterilization inactivates all remaining spores and living microbes left after the washing process.

✓ *Note*

- Remove all blood, tissue, and stains from the instruments using an appropriate cleaning agent, following the instructions provided by the medical instrument manufacturer.
- Ensure that the instruments are thoroughly rinsed to remove any residue of the cleaning agent.
- Completely dry all instruments. The method used for drying should be in accordance with the usage instructions provided by the instrument manufacturer or determined by contacting the manufacturer to ensure it is appropriate and safe. All parts of the instruments must be free of moisture. Only completely dried instruments should be placed in the sterilizer chamber to prevent cycle cancellation.
- Some reusable medical devices may need to be disassembled for proper cleaning and sterilization. It is crucial to follow the manufacturer's recommendations regarding cleaning and sterilization.
- Regular inspection of instruments that are repeatedly exposed to disinfectants/ cleaners/sterilants is necessary to assess potential chemical damage.

Warning! Do Not Use If Packaging is Damaged

Do not use if there is any damage to the packaging. If the packaging seal is not perfect, sterility cannot be trusted, and the sterilization cycle may be canceled in POUCH mode.

Caution! Insert Chemical Indicator

When packaging the product, include a chemical indicator. After the sterilization cycle is complete, the change in color of the indicator can be used to verify that the product has been properly sterilized.

Caution! Hot Chamber

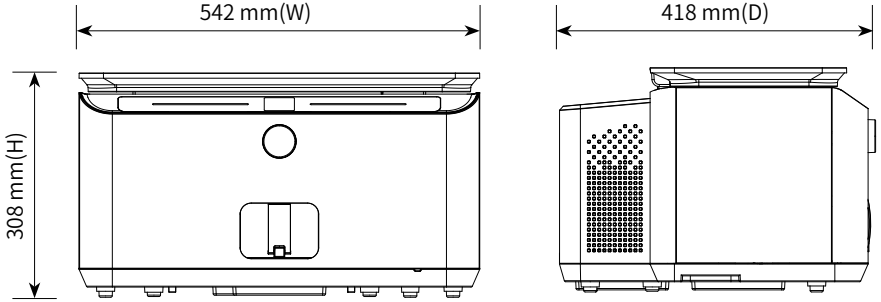
The chamber temperature may be hot. Wear protective gloves and be cautious of burns when working inside the chamber.

5. How to Use the Product

Before Starting

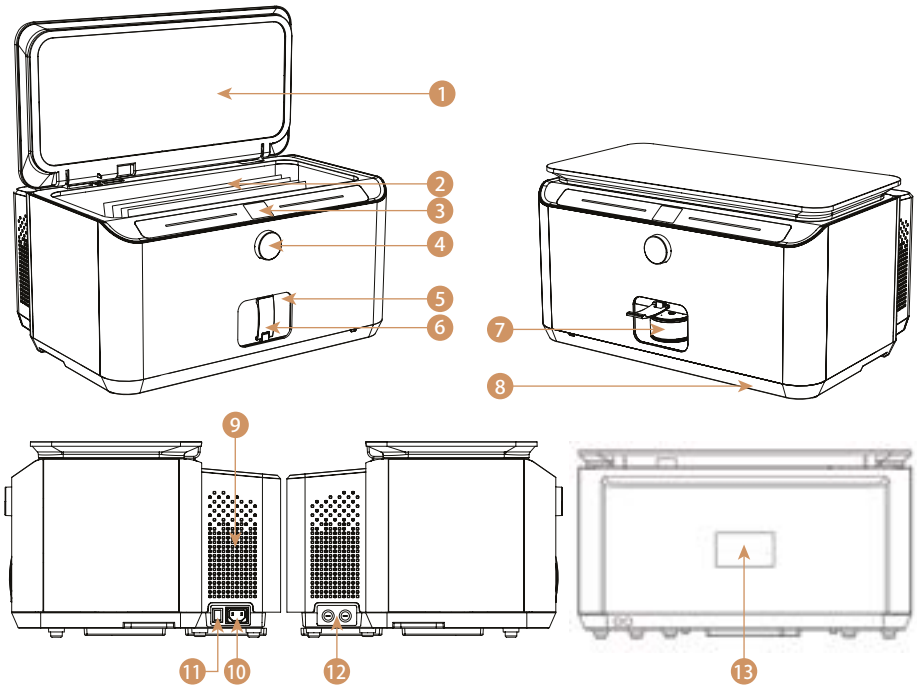
When using this sterilizer product, you must follow the instructions in "Chapter 4: Preparation of Medical devices" and familiarize yourself with the operating methods and precautions provided in this user manual.

Appearance and Dimensions



Width (W)	Depth (D)	Height (H)	Weight
542 mm	418 mm	308 mm	30 kg

Product Appearance and Description



①	Door	: An opening and closing mechanism for inserting the items to be sterilized into the chamber.
②	Chamber	: The space where the inserted items are sterilized.
③	LED, LCD Display	: Monitors the progress.
④	Dial	: Control part to set the operation.
⑤	Sterilant Storage	: Space to store the dedicated sterilant cartridge.
⑥	Door Handle	: Handle to open and close the sterilant cartridge storage.
⑦	Sterilant Cartridge	: Dedicated sterilant cartridge.
⑧	Port	: Administrator-only access port.
⑨	Vent	: Vents heat generated during operation out of the device.
⑩	Power Connector	: Connector for connecting the power cable.
⑪	Power Switch	: Switch to turn the power on and off.
⑫	Fuse	: Safety device (125V, 15A).
⑬	Product Label	: Label for displaying information such as the serial number.

✓ *Note*

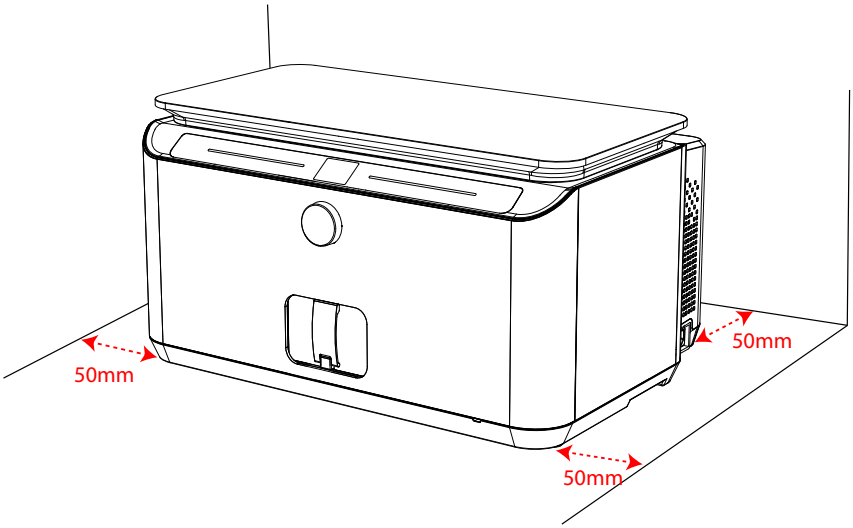
- The unpacking of the product box should be done by placing the product box on a designated spot and table to avoid impact, and the equipment should be installed and used. The device should be placed at least 5cm away from the back and side walls and should be installed on a flat surface (within 3 degrees).
- The sterilizer should not be supplied with voltage that is not specified in the product specifications.
  In case of a special situation where an unapproved power source is used for emergency sterilization, you must contact the nearest dealer or head office. If the product is damaged due to the use of unspecified voltage, the product warranty will not be honored.
- Before starting the sterilization process, the power cord must be connected and the power switch turned on 15 minutes in advance to preheat the sterilization chamber. Starting the sterilization process without preheating can cause sterilization failure.
- Avoid using the device in close proximity to equipment that generates a lot of electromagnetic waves.
- Do not install the device near fire or in places that generate steam.
- If the sterilizer has not been used for a long time and is being restarted, the user should contact the manufacturer for proper instructions.

Warning! Hydrogen Peroxide is a Corrosive Agent.
Concentrated hydrogen peroxide corrodes skin, eyes, nose, throat, lungs, and gastrointestinal tract. Always wear latex, PVC (vinyl), or nitrile gloves when removing items from the sterilizer in case the process is canceled or an error occurs. Residual hydrogen peroxide may be present.

Warning! Disposal of Hydrogen Peroxide
Hydrogen peroxide is medical waste must be disposed of in accordance with local or in-house hospital regulations.

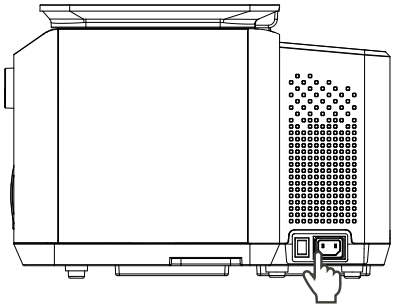
Caution! Only Use Cords Provided by the Supplier
Using power cords and cable cords not provided by our company may cause the equipment to malfunction or pose a risk of electric shock.

Installation Environment

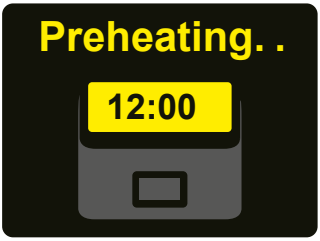


Operating Range	Specification Range
Service Space	Front ≥ 50mm
	Back ≥ 50mm
	Side ≥ 50mm
Temperature	5 ~ 40°C
Maximum Relative Humidity	Up to 85%, 40°C
Altitude	≤ 2000m
Level	within 3°
Illumination	> 200lx
Voltage and Frequency	100 - 120 VAC, 50/60 Hz
Atmospheric Pressure Conditions	80~106 kPa
Pollution Degree	Class 2
IPX	IPX0

Starting and Preheating



1 Turn on the power switch on the side of the sterilizer.



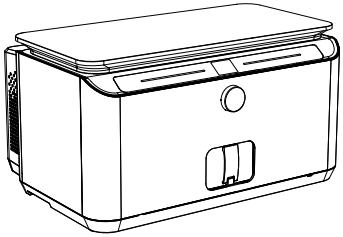
* When 100% is reached, it automatically switches to the Ready screen.
* After operating for one cycle, the device should rest for 10 minutes before use.

2 Once the power is on, preheating will automatically commence.

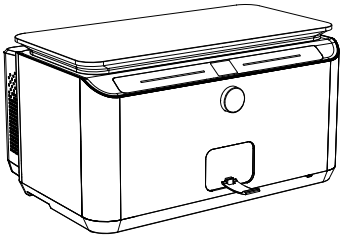
※ It takes about 15 minutes, but this can vary depending on the installation environment.

※ The progress of preheating can be monitored on the LCD screen.

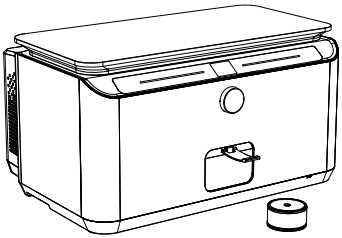
Loading the Sterilant Cartridge



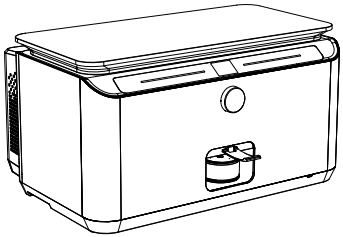
1 Lower the cover of the sterilant storage compartment at the front of the product.



2 Grab the Door Handle and lift to open the storage compartment.

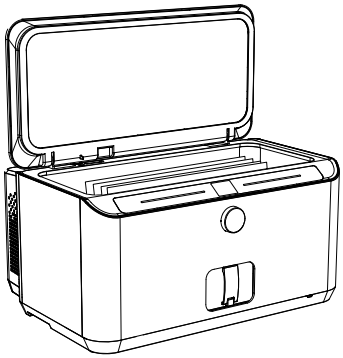


3 Push the sterilant cartridge into the opened storage compartment until it clicks into place.
※ Make sure the cartridge is fully inserted until it clicks.

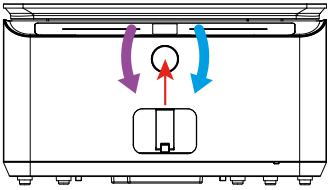


4 After ensuring the sterilant cartridge is properly loaded, pull down the latch to close.
※ If not fully closed, an error will occur.
※ To replace the sterilant, remove the old cartridge and insert a new one in the same manner.

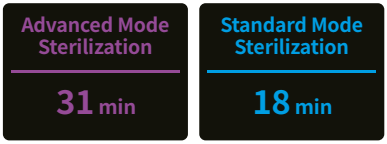
Sterilization



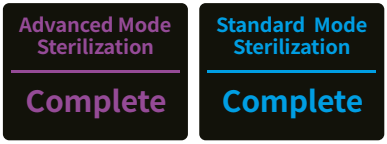
1 Open the door and load the items to be sterilized.



2 After loading, close the door and turn the dial to select the desired sterilization process.



3 Press the dial to start the sterilization process.



* Displays for selected modes and post-sterilization (showing remaining time).

4 Once the sterilization process is complete and the ‘Complete’ screen is displayed, open the door and retrieve the items.

6. Maintenance

This sterilizer product is a top-tier sterilizer that performs sterilization cycles. Continuous use can cause wear and tear on the device, so proper maintenance is necessary to ensure safety and provide reliable sterilization cycles. This section describes the tasks and types of parts necessary for maintaining the sterilization system of this sterilizer product.

Precautions for Use

- Only skilled or trained personnel should operate the equipment.
- The items to be sterilized must be thoroughly cleaned and dried.
  (Organic materials or visible dirt can reduce sterilization efficacy, and excessive moisture in the items can prolong the process time and may lead to errors.)
- Materials that cannot be sterilized – Materials that absorb moisture (such as paper, cellulose, cotton fabric, gauze, wood) and liquids (oil, water, foam, etc.), powdery substances, damp instruments, copper, and zinc should not be placed in the sterilizer.
- A Biological Indicator (BI) should be placed in the plasma sterilizer at least once a week to verify the sterilization performance after culturing.
- A Chemical Indicator (CI) should be used with every cycle to confirm sterilization.
- The door should be kept closed except when loading or unloading items.
- When replacing the sterilant cartridge, ensure it is inserted in the correct direction, close the door completely, and proceed with the process.
- Do not touch the equipment with wet hands.
- Do not turn off the power or unplug the equipment during the sterilization process.
- If any malfunction is detected, stop the operation immediately and contact the responsible person or administrator for proper action.
- Only authorized personnel from the management or Plasmapp Co., Ltd. should disassemble, repair, or modify the equipment.
- If an abnormal sterilization process occurs (e.g., power outage, error, indicator not changing color, etc.), the process must be repeated until normal operation is confirmed.
- Wear protective gloves and safety glasses when replacing the sterilant.
- If you encounter problems that are difficult to diagnose or resolve, such as detecting cybersecurity threats, contact the manufacturer's support (1544-0508/ cs@Plasmapp.com).

※During the use of the sterilization device, the following precautions must be taken:

- Always check the overall status of the sterilization device and whether the door is opened or closed.
- If any abnormalities are found in the sterilization device, do not forcibly operate it and contact a professional.
- Do not subject the sterilization device to shocks.
- Do not move the sterilization device during the sterilization process to ensure the power cord does not disconnect.
- After the sterilization process is complete, check for any abnormalities in the sterilization device.
- Individuals who are not professionals should not disassemble, repair, or modify the sterilization device.

※Precautions for Sterilant

The hydrogen peroxide used as a sterilant can cause severe irritation to the skin, eyes, nose, throat, lungs, and gastrointestinal tract and penetrates quickly. When handling sterilants, wear safety gloves (latex or vinyl) or waterproof gloves, and dispose of empty containers at designated locations. If contact with the body occurs due to mishandling, wash immediately with water. If inhaled or swallowed, drink plenty of water and follow medical advice. If the equipment stops due to an anomaly during sterilization or if moisture remains on the items after the sterilization process, hydrogen peroxide may be present on the items. Therefore, handle with safety gloves (latex or vinyl) or waterproof gloves and protective goggles, and avoid touching your face or eyes while wearing gloves.

※Precautions for Disposal of Hydrogen Peroxide

Dispose of hydrogen peroxide according to local regulations or those managed by the hospital.

Warning! Residual hydrogen peroxide may be present.

If the process is canceled and the loaded medical devices are wet, they may have been exposed to hydrogen peroxide. When removing items from the chamber, wear latex, PVC (vinyl), or nitrile gloves and wipe the items with a damp cloth.

Cleaning Method

Do not use organic solvents other than alcohol solutions for cleaning the exterior and interior.

- For general dust, lightly wipe off the contaminants with a wet wipe.
- If the contamination is severe or cannot be removed with a wet wipe, dampen a cleaning sponge with water, wipe, and then remove any remaining stains with a cleaning wet wipe or a soft cloth.
- In case of contaminants that include oil, spray disinfectant ethanol on the contaminated area and then wipe off any remaining stains with a cleaning wet wipe or a soft cloth.
- For crayon and colored pencil marks, gently rub the contaminated area with a clean eraser to remove the contaminants.

※ Precautions

Only clean the device when the power is turned off.

Do not use cleaners containing sodium dichloroisocyanurate or chlorine-based solutions.

Do not use ketone substances, acetone, ethyl alcohol, toluene, methyl ether, or methylene chloride.

Storage Method

The storage location for the product should meet the following criteria:

- Consider the movement and flow of the people using the product and store it in a place with sufficient area and space.
- Ensure the product is not in direct contact with the ground.

Do not drop the product from high places or apply excessive force during storage.

Store in a location free from adverse effects due to temperature/heat, humidity/water, atmospheric pressure, sunlight, dust, salt/ions/organic solvents/harmful chemicals, vibration/shock.

- The storage location should have suitable lighting and ventilation:
  · Lighting or illumination should be sufficient for work.
  · Install curtains or blinds for windows that receive direct sunlight.
  · Consider air conditioning facilities if necessary, since ventilation is closely related to the product's quality and user hygiene.
- The storage location should be equipped with pest control, moisture control, and fire-fighting facilities:
  · Install traps in drains, seal places where walls are penetrated, install insect screens in exhaust/ventilation openings, etc.
- Maintain the storage place's temperature between 0°C and 45°C, and humidity under 90%.
- If the product is moved from its initial installation location to another place, the change of location should be done by a professional engineer approved by the vendor.

Caution! Do not carry or move alone
Since the product is heavy, when moving or transporting, collaborate with at least two people to proceed with the transportation and movement.

7. Troubleshooting

- Please refer to the following solutions for the respective issues.
- If the problem persists or recurs, contact the manufacturer.

Phenomenon		Description	How to Take Action
⚠ Caution Description	**Caution**	Empty Cartridge	▪ Replace cartridge
		Expired Cartridge	▪ Replace cartridge
		Shutdown occurred during process	▪ Restart after checking the power cable
		Emergency stop (When Purification process is completed)	▪ Restart the process
		Sliding door was opened (When Purification process is completed)	▪ Restart after confirming that the cartridge door is closed
⚠ Code XX Description	**Code. 10**	Rebooting or contact service center	▪ Restart the process
	Code. 11	chamber door was opened (When purification process is completed)	▪ Restart the process after removing moisture and oil from the chamber and sterilization object
	Code. 20	Base pressure issue (When Purification process is completed)	▪ Restart the process after removing moisture and oil from the chamber and sterilization object
	Code. 21	Diffusion pressure issue (When Purification process is completed)	▪ Restart after checking the cartridge status
	Code. 30	Invalid cartridge	▪ Replace cartridge

8. Warranty

1. Purpose of warranty

This warranty certificate is issued by Plasmapp Co., Ltd. (“the Company”) to assure customers of the product quality and reliability. It guarantees the product against defects in materials or workmanship that occur under normal use conditions for a specified period of time.

2. Period of warranty

The Company warrants to the original end-use purchaser that, for a period of one (1) year from the date of installation, the Product will be reasonably free of defects in materials and workmanship. Upon expiration of the warranty period, any repair or replacement of parts shall be subject to a service charge to be borne by the customer.

3. Scope and coverage

① If the product is used under normal operating conditions, the Company warrants that it will be free from defects in manufacturing or parts during the warranty period.

② The Company’s warranty obligation is limited to the repair or replacement of defective components with new or equivalent parts that ensure equal performance.

③ The decision to repair or replace the defective part or product shall be at the sole discretion of the Company.

4. Exclusions

This warranty does not apply to the following cases;

① Malfunction or damage caused by user negligence, misuse, unauthorized modification, or improper repair.

② Damage due to mishandling, dropping, or transportation accidents.

③ Malfunction or damage caused by the use of consumables not supplied or approved by the Company.

④ Failure or damage resulting from the customer’s refusal to allow inspection requested by the Company.

⑤ Malfunction caused by failure to comply with the Company’s maintenance instructions or service conditions.

⑥ Normal wear and tear, aging, or deterioration of consumable parts under ordinary use.

⑦ Damage or malfunction caused by natural disasters such as fire, salt corrosion, harmful gases, abnormal voltage, lightning, or earthquake.

⑧ Malfunction or damage resulting from failure to follow the operating instructions or safety precautions provided in the user manual.

5. Other provisions

① This warranty certificate is provided at the time of product sale and will not be reissued.

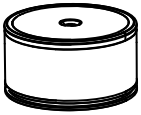
② The content of this warranty is subject to change in accordance with applicable laws and the Company’s quality assurance policy.

9. Revision

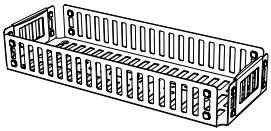
Revision No.	Revision History	Date
00	- Initial release	07-Feb-2024
01	- Product composition & Manual design Change	10-Nov-2025
02	- Warranty, Revision addition, Added warranty period	04-Mar-2026

Attachment A. Sterilant Cartridge, Tray

A1. Sterilant Cartridge

Name	Description/Specifications	Picture
STERLOAD U30	Sterilant Cartridge · Sterilant: Hydrogen Peroxide (Concentration: 58~59.5%) *Purchased separately	

A2. Dedicated Tray

Name	Description/Specifications	Picture
Tray	Dedicated Tray · A tray designed to facilitate the diffusion of hydrogen peroxide inside the chamber · Size: 467mm (W) x 182mm (L) x 77mm (H) *Provided with this sterilizer product	

Attachment B. Routine sterilizer maintenance (Filter)

- Regular replacement in every 12 months required
- After installation change filters every 12 months
- Use 12 month maintenance kit to change filters
- If the any issues, contact the manufacturer.

B1. Configuring Maintenance Kits

Name	Description/Specifications
HEPA Filter	· Shelf life : None · Storage Temp : 5 ~ 40°C
HEPA Filter Rubber	· Shelf life : None · Storage Temp : 5 ~ 40°C
Ozon Filter (Including two hand knobs)	· Shelf life : None · Storage Temp : 5 ~ 80°C
Deodorizing Filter	· Shelf life : None · Storage Temp : 5 ~ 40°C

Attachment C. EMC Compliance Information

Emission and Immunity examination

STERLINK U510 complies with the following standards.

- EMC test method used : EN 55011:2016+A1:2017
  *EN55011:2016/A2:2021
  (CISPR11:2015+A1:2016+A2:2019)
  EN60601-1-2:2015+A1:2021(IEC60601-1-2:2014+A1:2020)
  EN IEC61000-3-2:2019*IEC61000-3-2:2018)
  EN61000-3-3:2013(IEC61000-3-3:2013)

- Immunity test levels and emissions compliance class and group
  · Class A / Group 1

- Deviation from collateral standard and allowances used : N/A

※ The manufacturer is not responsible for any accidents, such as product damage, resulting from the use of this product in ways other than those specified in this manual.

Manufacturer

Company	**Plasmapp Co., Ltd.**
Address	(41061) 102, Cheombok-ro, Dong-gu, Daegu, Republic of Korea
Website	www.plasmapp.com
Customer Center	+82-1544-0508

STERLINK U-510

Plasmapp Co., Ltd.
(13494) A-10F, 670, Daewangpangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea
www.plasmapp.com

PLA-UM-STN-001 , Rev02