TheGlobalBeautyGroup
Technology for Beautiful Business

HydroLUX User Manual

LUX Series

supplied by The Global Beauty Group,
experts in aesthetic technology

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Introduction

The HydroLUX is a portable aspiration / dermabrasion / product-infusion device incorporating a vacuum system, fluid delivery system and applicator handpiece with interchangeable diamond tips.

Intended use

The HydroLUX is intended to be used to perform exfoliation of the outer layers of skin with or without hydration and for the application of products to the skin. It should only be used by clinicians who have undertaken The Global Beauty Group's extensive training course.

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Warnings

WARNING

Before operating the system, please ensure that you have read and understand this user manual in its entirety. Please contact our office directly on (03) 8555 2246 if you need any further assistance in fully comprehending this user manual.

Caution

Only an Authorised Technician or Engineer of The Global Beauty Group is allowed access to the internal workings of the HydroLUX. Failure to uphold this rule will result in the company voiding your warranty. Our Technicians and Engineers have been highly trained to maintain each internal module of the device. Should you experience any difficulties with your machine, immediately contact our company on (03) 8555 2246 to speak directly with one of our Authorised Technicians or Engineers.

Contra indications

- Contagious skin disorders
- Cancer
- Open lesions
- Active cold sores
- Prescription strength exfoliants (2 weeks)
- Recent Botox (2 weeks)
- Recent Filler (4 weeks)
- Roaccutane (min. 6 months)
- Photo-sensitizing medication
- Skin irritation or rash in the treatment area
- 48 hours pre or post waxing
- Vascular lesions (precaution)
- Pregnancy (precaution)

Specifications

Vacuum: up to 600mmHg controlled adjustable in 8 steps
Product infusion: 3 channels 0.75 ~ 3.5 ml/min adjustable in 8 steps
Product infusion capacity: 300ml per cup
Operation Interface: 10.4-inch colour touch screen
Power Supply: 100 – 253 VAC 50/60Hz 2A
Net Weight 12kg
Working Temperature range: 10°C ~ 35°C
Relative Humidity range: <75%
Atmospheric Pressure Barometric: 86kpa ~ 106kpa
Storage Environment Temperature: 0°C ~ 55°C

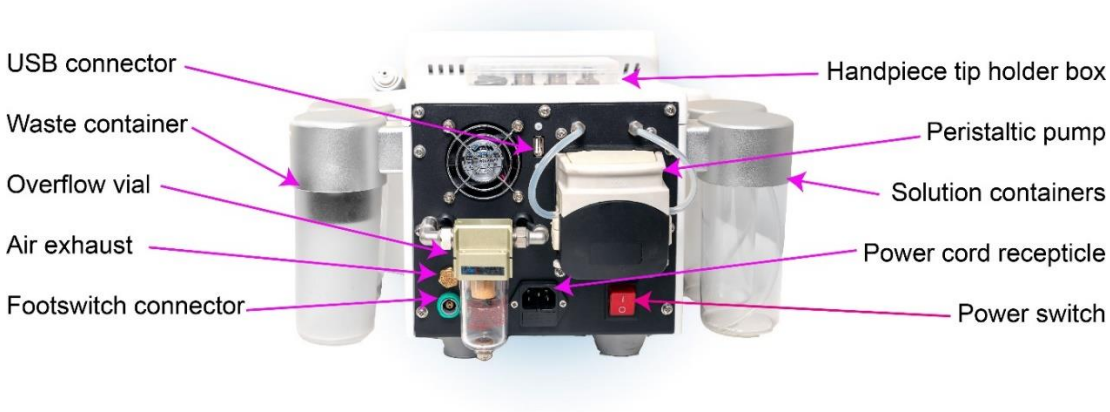
Unpacking

Parts and controls

Front panel



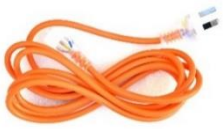
Rear panel



List of equipment included

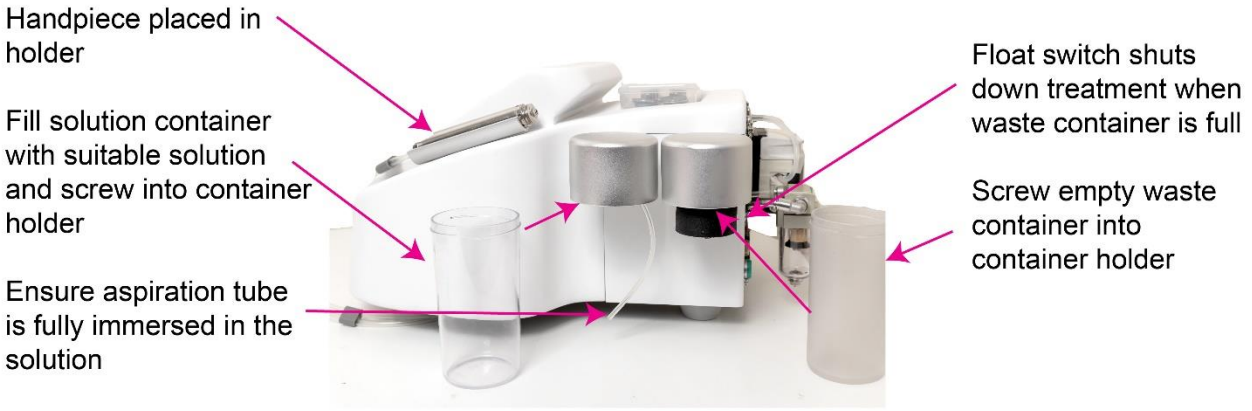
The following is a table of equipment provided with this machine (This list may vary depending on options ordered)

	HydroLUX Device
	8mm 200 Grit
	8mm 250 Grit
	15mm 100 Grit
	15mm 150 Grit
	15mm 200 Grit
	15mm 250 Grit
	25mm 80 Grit
	25mm 100 Grit
	Footswitch

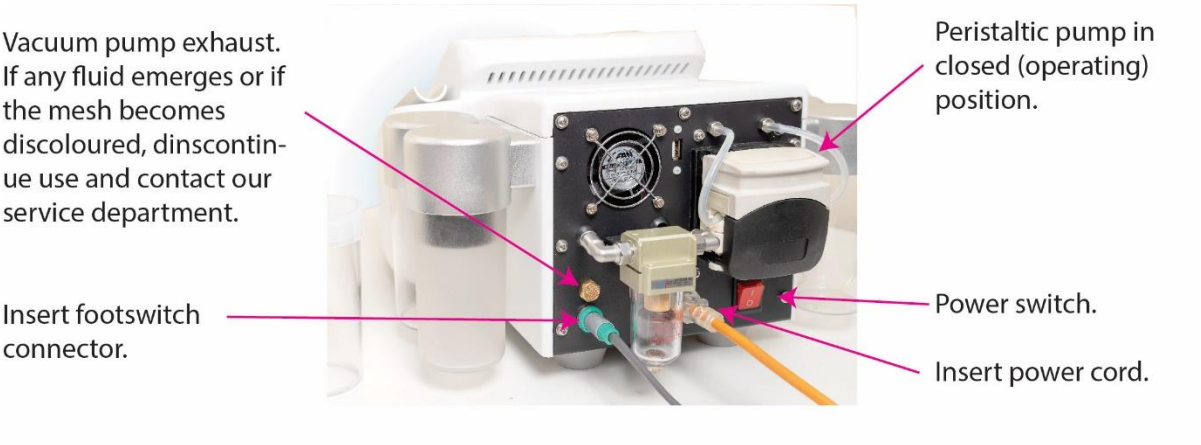
	Grit storage box
	HydroLUX Handpiece
	Silicon Handpiece Cap
	Solution container x 4 (3 on device, 1 spare)
	Waste Container
	Solution container lids x 4
	Fuses x 2
	Large O Rings x 4
	Small O Rings x 4
	Power cord

Installing the system

1. Unpack the machine from its carton and place it on a suitable work surface.
2. Plug the orange power cord into the rear of the machine
3. Plug the green footswitch connector into the green socket on the rear of the machine
4. Fit the waste container to the machine as per illustration. Rotate counter-clockwise (when viewed from above to secure container) Container must be firmly secured to achieve good vacuum
5. Fill solution containers with enough solution(s) for the intended procedures
6. Attach solution containers to the machine. Insert aspiration tube into the container then secure container by lifting it into place and rotating counter-clockwise (from above)
7. Connect handpiece tubing to the quick connect ports on the front of the device. Insert the large vacuum tube into the large port and push it firmly, ensuring it is locked in place. Repeat with the smaller solution tube.
8. Place the box with assorted grit tips on top of the machine
9. Machine is ready for use.







System description

Waste container collects aspirated solution and skin debris for disposal. The container cover utilises a float switch to sense when the container is full and preventing further treatment until it has been emptied

Solution containers stores up to three different treatment solutions

The top of the console has a recessed area to allow handy location of the handpiece grit storage box

Rear panel includes

- Overflow vial
- Power cord connection
- Electrical power switch
- Main fuse – built into power socket
- USB socket – used to update system firmware (Authorised engineers only)
- Peristaltic pump

Machine operation

Switching on the device

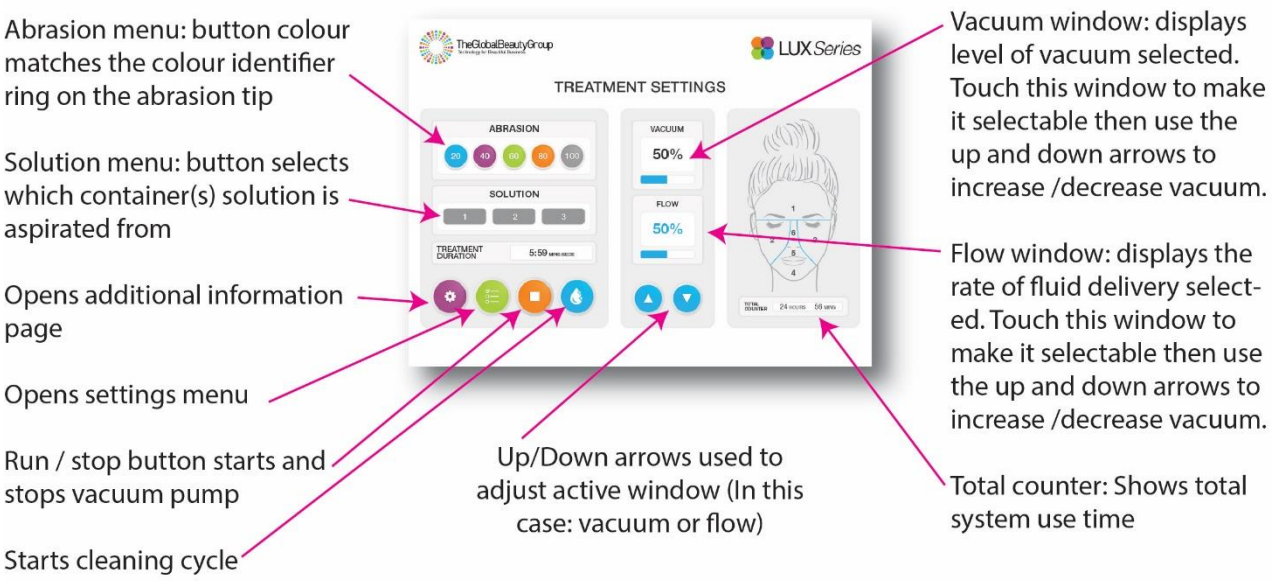
After the above installation process has been properly completed turn on the power switch on the back of the machine. After a few seconds the start-up screen will appear:



The main menu

The main menu allows the user to set the vacuum intensity and solution flow rate and select which solution to use:

-



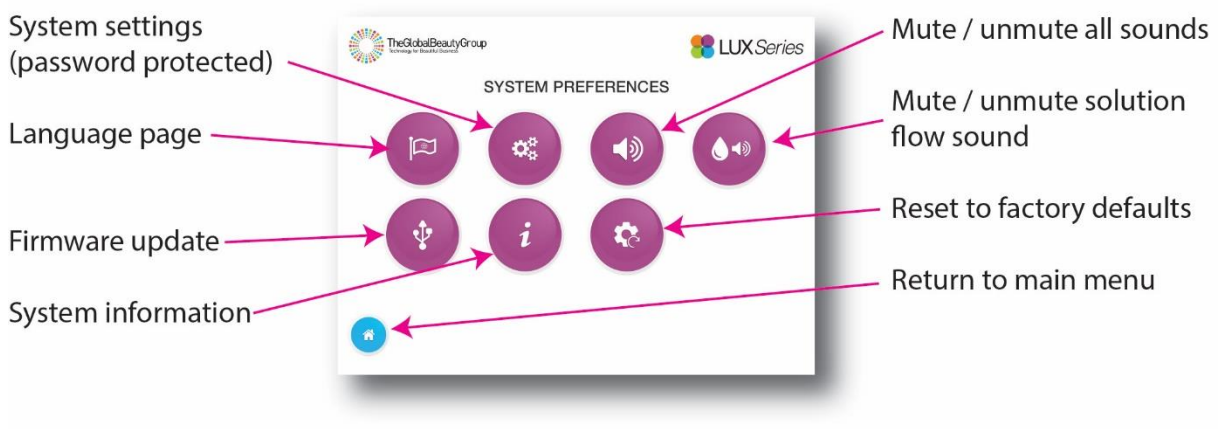
- Touch the solution buttons to select which solutions will be utilised during treatment
- Touch the vacuum setting window and use the up/down arrows to set the desired vacuum
- Touch the flow setting window to set the desired solution flow rate
- Fit the desired grit tip to the handpiece
- Touch the run/stop button to start the vacuum pump
- Commence treatment
- Solution flow is activated by momentarily pressing the footswitch
- Solution flow is stopped by pressing the footswitch again
- During use, the treatment parameters may be changed by touching the relevant window and using the up / down arrows. The machine will revert to standby whenever and adjustment is made so it is necessary to touch the run/stop button again
- If the waste container becomes full during use, the machine will stop working and give audible and visual warnings

Before use, ensure waste container is empty and the solution container(s) have sufficient solution(s) for the intended procedure. Ensure the correct grit tip is attached for the intended procedure.

After each use, remove, clean and disinfect grit tips. Empty and clean waste container. Run the cleaning cycle at the end of each day or when prompted by the system to do so.

Other settings

Pressing the 'settings' menu button opens the settings page:



- System settings will open a keyboard interface for entering a password. It is used by service engineers to make adjustments to the system configuration

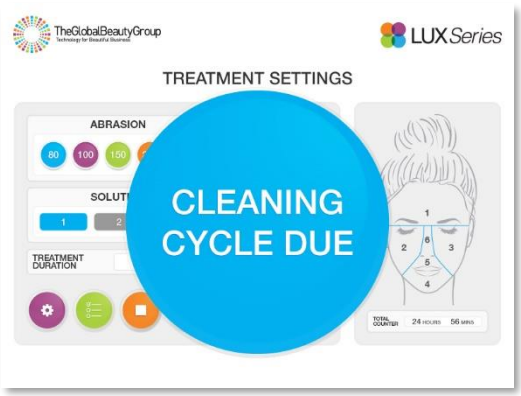
- Language page opens a menu where various system languages can be selected
- Firmware update instructs the system to read from the USB connector to update the system. (normally performed by service engineers)
- ‘Mute / unmute all sounds’ mutes all system noises including button press, water flow and alarm noises.
- ‘Mute / unmute solution flow’ sound only mutes the beep occurring when the foot pedal has been depressed. All other sounds and alarms remain active.

System messages

After the system has been used for some time, the system will remind you to run a cleaning cycle soon (The message may be cleared when operation is resumed).



If the machine continues to be used for a period without initialising a cleaning cycle, the system will inform you again that a cleaning cycle is due (Operation can still continue for a short duration)

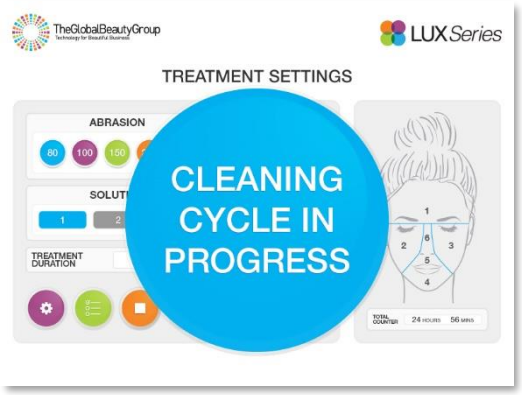


If the operator continues to use the machine without initialising a cleaning cycle, the system will warn that a cleaning cycle is required, and operation cannot continue.



Initiating cleaning cycle

- Fit the rubber sheath over the handpiece tip
- Empty waste container and refit
- Fit a solution container to position 1, partially filled with a suitable disinfectant.
- Press the cleaning cycle button (blue water-drop button)
- The following system message will appear. Cleaning cycle takes approximately 2 minutes to complete.



- After the first cleaning cycle has completed, empty the disinfectant solution, rinse and refill with water.
- Repeat cleaning cycle with water to flush disinfectant from the system

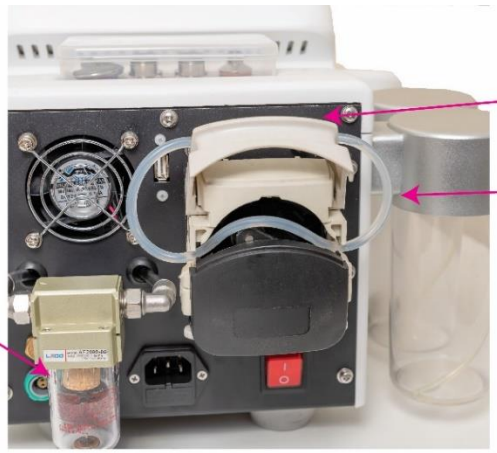
Maintenance

- **Inspect grit tips** for contamination and damage due to wear and tear. Replace Grit tips as often as needed or yearly. Disinfect with suitable disinfectant (See cleaning and disinfecting instructions on page 15)
- **Inspect tubes / handpiece** for leakage, contamination and damage due to wear and tear. Replace twice yearly or as required. We recommend keeping a spare handpiece / tubing set.
- **Disinfect** using cleaning cycle as described above. Wipe down the exterior of the handpiece and tubing set using a disinfectant product
- **Inspect solution containers** for damage to threads, cracking, leakage, discoloration / contamination and general wear and tear. Replace solution containers as required or yearly. Empty and disinfect as required.
- **Inspect waste container** for damage to thread, cracking, leakage, discoloration / contamination and general wear and tear. Replace waste container as required or yearly. Empty, clean and disinfect after each client service.
  In the unlikely event that the waste container becomes full during use, the system will shut down and a message will inform the operator that the container is full. Replace Waste Container as needed.
- **Inspect the overflow vial** after every use. If there is any fluid, debris or other contamination inside the vial, it should be removed emptied, cleaned and disinfected. When reattaching the vial, ensure that the black O ring is properly seated. The vial should be firmly hand tightened to prevent vacuum leaks.
- **Open the Peristaltic pump hose clamp**, inspect silicone tubing for deformities, splits, discoloration or blockages. Ensure it is seated properly replace if damaged or every 6 months

Overflow vial

Check overflow vial daily. If there is any fluid or debris inside the vial, it should be unscrewed, cleaned and dried before refitting.

Ensure it is tightened securely to prevent leaks.



Peristaltic pump

Hose clamp (shown in open position)

Silicone hose

The clamp is lifted to open and inspect the hose for tears,blockage or contamination. It may be replaced by the user if required.

Care

For the most effective HydroLUX application, begin by ensuring that the unit is properly equipped and prepared for use.

Before use, make certain that:
1. The waste container is emptied, disinfected, and properly installed
2. The solution containers are properly installed with the correct solutions in each container
3. Tubing connections are tight
4. Tubing is free of any bends and/or debris
5. Handpiece is clean and disinfected

Cleaning and disinfecting

Case cleaning

External cleaning of the equipment system case can be accomplished using disinfectant wipes. The machine should have all containers tubes and power cord removed, allowing access to the internal surfaces of the container covers. These surfaces should be cleaned and disinfected with a suitable disinfectant / cleaning wipe.

Grit tip Cleaning, Disinfecting, and Sterilisation

1. Clean with soap and warm water to remove any debris, rinse
2. Soak in a suitable disinfectant for 2 minutes
3. Rinse with water
4. Dry completely before use in next application

NOTE
After using disinfectant, Grit Tips may be autoclaved for sterilisation if required by local regulations.

CAUTION!
Before reinstalling disinfected parts, every component must be completely dry. The handpiece and its components must be properly cleaned, disinfected, and sanitized before the unit is used.

Troubleshooting Guide

No power / the screen is off

1. Check to ensure that the power supply feeding from the wall has power
2. Ensure the power plug is securely plugged into both the device and the wall.
3. Ensure that the switch on the rear of the machine is in the on position
4. Locate the fuse holder just below the power cord connection. A flat blade screwdriver is required to remove the fuse holder tray. Replace the fuses with the spare fuses from the accessory kit.
5. Call our technical support number 03 8555 2246

No vacuum

1. Confirm that the system has been properly set up, the ready button pressed, and the vacuum pump is running (Listen for pump noise)
2. Check that the overflow vial is empty and that the waste container is not full
3. Remove and refit the waste container to ensure it is fully sealed
4. Remove and refit the overflow vial to ensure it is fully sealed
5. Remove and refit the handpiece tubing to ensure they are fully seated
6. Remove grit tip, inspect for blockages and confirm O ring is fitted to handpiece. Refit grit and ensure it is fully seated
7. Remove handpiece / tubing and fit an alternative handpiece tubing set to determine if there is a leak or blockage in the tubing set

No solution flow

1. Confirm that the system has been properly set up, the ready button pressed, and the vacuum pump is running (Listen for pump noise).
2. Check that the appropriate solution container (1, 2 or 3) has been selected on the treatment menu.
3. Check to see if solution flows when an alternative solution container has been selected.
4. Check that the footswitch has been plugged in
5. Open the peristaltic pump cover and check that the peristaltic pump rotates periodically once the footswitch has been pressed.
6. Inspect the silicone tubing inside the peristaltic pump. (see above)

Other problems

Please contact a technical support representative of The Global Beauty Group
by phoning (03) 8555 2246.

Ordering the Machine Accessories

Accessories can be ordered through The Global Beauty Group by emailing info@theglobalbeautygroup.com or by directly contacting us on (03) 8555 2246.