



plasma



User Manual



For safe and proper use refer to the instruction manual and other documents accompanying the product and keep them for later use.

User manual Love Plasma device

1

Dear User,

Thank you for your trust. We hand over to you a state-of-the-art device that has been checked for proper condition before delivery as part of the quality controls.

The instructions have been carefully prepared and contain information to ensure safe use of the Love Plasma device.

The user manual instructions for use are protected by copyright and are intended exclusively for the user/buyer of the device.

Guarantee

The manufacturer's warranty covers the material and processing for one year from the date of original delivery. Warranty claims can only be asserted if the device has not been damaged, opened or modified, the device has not been used improperly or has not been repaired by third persons. The return shipment must be carried out with the complete contents in the original packaging. The proof of purchase and the delivery note must be enclosed with the return shipment to the dealer or manufacturer

Love Plasma Ltd assumes no transport costs and no liability for transport damages.

Customer service

For questions about your device and further information, please contact the customer service of Love Plasma Ltd

Love Plasma Ltd

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2 Safety and responsibility



For safe and proper use, read the instructions carefully before using the device and keep them for future use. When the device is sold, the instructions for use must be included.

2.1 Intended use

The plasma device “Love Plasma” for cosmetic treatment is intended exclusively for commercial use by qualified person in clinical environment that meets the hygiene requirements.

Any other or different use is considered misuse and can lead to dangerous situations:

- Never carry out treatments without a completed Health questionnaire.
 - Never carry out treatments without a completed Fitzpatrick questionnaire.
 - Never carry out treatments without a completed Consent forms.
-
- Use the device only for treatments described in this manual.
 - Never use the device in direct combination with other systems or devices.
 - Never use the device for medical purposes.
 - Use the device exclusively with original accessories.

2.2 Hygienic requirements

The statutory hygiene regulations must be observed.

2.3 Qualification of the user

The device may only be operated by professionally trained user.

2.4 Professional user training

Training includes the following topics.

- Theory
- Special application techniques.
- Treatment of sensitive areas, e.g. eye and mouth area.
- Further treatment options, e.g. upper and lower lid tightening.
- Exercises on models.
- Effective aftercare to support the treatment.

2.5 Contraindications

Only use the device on healthy persons who qualify for treatment. If in doubt, consult a doctor before treatment.

Do not perform treatment in the following cases:

- Persons wearing a pacemaker, defibrillator or other active electronic implants on or in the body
- For pregnant women or nursing mothers (not permitted by law)
- Allergies to certain anaesthetics, e.g. lidocaine
- For children or adolescents under 18 years of age
- If you have had surgery or medical treatment within the last 14 days
- During a solarium visit in the last 5 days

2.6 Side effects and residual risks

Side effects that may occur after treatment:

- Local swelling
- Oedemas
- Crust formations
- Redness for about 1 to 3 months after the crust has fallen off

If undesirable side effects occur, consult your doctor.

2.7 Storage

Keep the device incl. scope of delivery in a transport case in dry place out of reach of children and unauthorized access.

2.8 Disposal of the device



According to the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), device must not be disposed of with conventional household waste.

Inquire at the waste offices of the municipalities about collection points or return the device to Love Plasma Ltd Company.

Our WEEE registration number: WEE/AX4054VE

2.9 Warnings in this manual

To differentiate between hazard risks, danger signs and signal words for personal injury according to DIN EN 82079-1 are used in these instructions for use:

Alert symbol and signal word	Meaning	
 DANGER	Personal damages Indicates a hazardous situation which, if not avoided, will result in death or serious injury.	
 WARNING		Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION		Indicates a hazardous situation which, if not avoided, could result in moderate or minor injury.
ATTENTION	Indication of a situation which, if not avoided, may result in damage to property or malfunction.	

3 Device overview

Before using the device, the user of the device must familiarize himself with device design and operating elements.

3.1 Scope of delivery

After unpacking, check the scope of delivery for completeness and damage. Never use damaged parts and report them back to the manufacturer.



- (1) = Carrying cases
- (2) = Power bank
- (3) = Charging cable for power bank
- (4) = Love Plasma device
- (5) = Device holder
- (6) = Cable for handpiece

3.2 Connecting the device

Connect the cable for handpiece to the USB-A input of the power bank and connect the other end of the cable to the plasma device (right-angle connector).

After work, disconnect the plug from the power bank.

If the capacity of the power bank is almost exhausted, this is indicated by the last status LED flashing. Please recharge the power bank. See also the operating instructions of the power bank. The power bank has a capacity of 5200 mAh, which means that you can theoretically work about 6 hours with a continuous flash.

3.3 Load the power bank

Connect the supplied Micro USB cable (3) to the Micro USB input of the power bank and connect the other end of the USB cable to a standard USB port of a computer or USB power supply. The charging process and the current charging status are indicated by the LED status lights on the power bank. When the power bank is fully charged, the status lights light up permanently. The required charging time of the power bank depends on the selected charging source and its output power. See also the operating instructions of the power bank. **It is not allowed to use the power bank for plasma treatment while charging.**



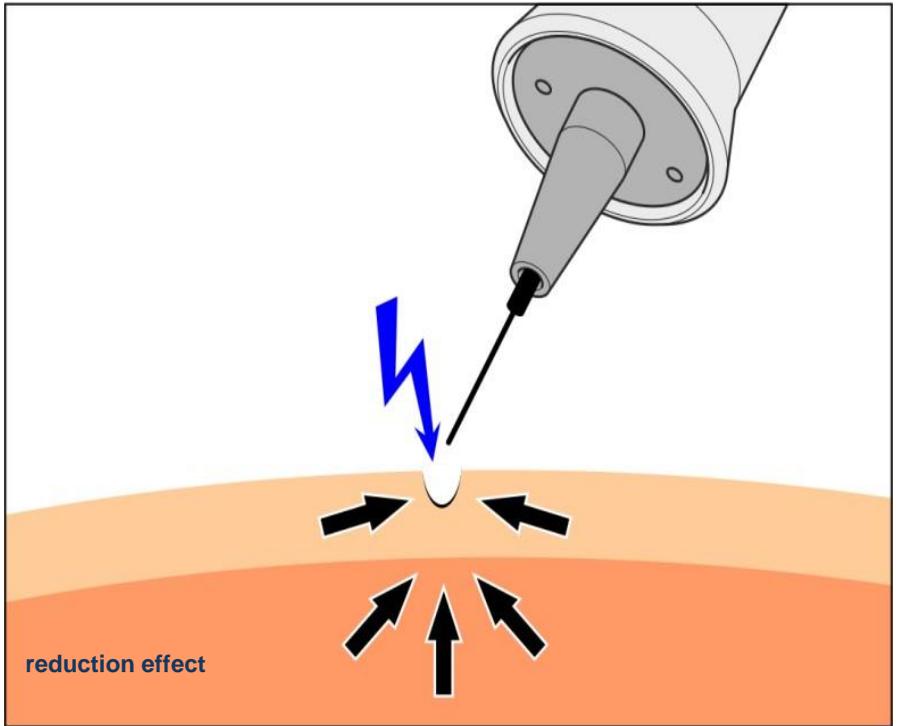
WARNING Risk of live from electricity

- Do not pull on the mains cable to disconnect the device from the mains, only touch the mains plug.
- Keep the power cord away from heat, oil and sharp corners.
- Before use, check the power supply, extension cable and device for visible damage.
- Connect the power supply unit only to an outlet with a protective earth conductor.
- Disconnect the power supply at the end of treatment or workday.

4 Operating principle

Plasma is an ionized gas that is formed by the removal of electrons from the electron shell of an atom, leaving the atom as a positively charged ion.

The applicator or the needle tip is applied to the skin 0,5 mm to 2 mm with the release button pressed. This produces a heated ionized arc between the tip of the probe and the skin, which acts on the uppermost layers of the skin. A small dot appears at the treatment area. There the skin contracts visibly by sublimation (evaporation) and causes a skin tightening, which is immediately visible and intensifies even weeks afterwards.



5 Treatment

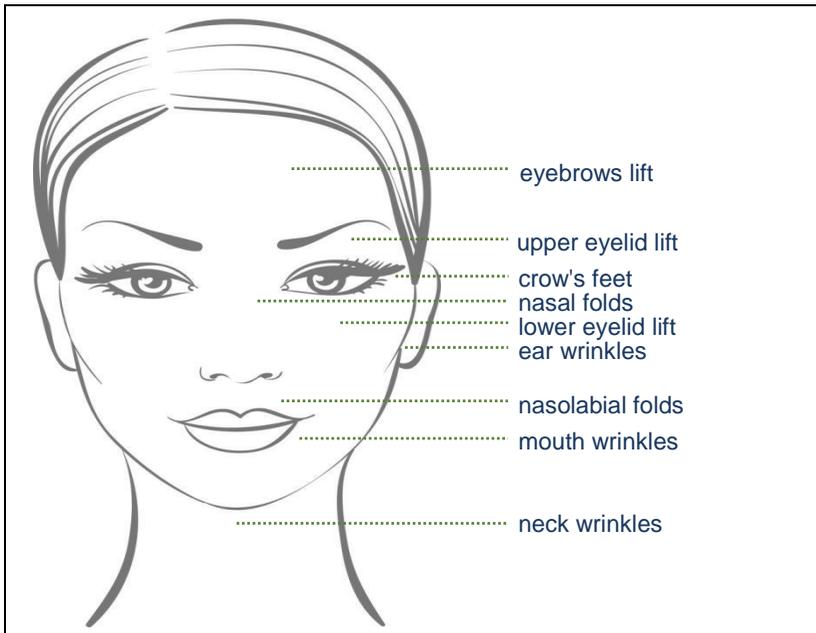
5.1 Treatment options



WARNING

Skin injuries due to improper use

The treatment requires special knowledge. Treatment is only permitted after prior user training.



5.2 Preliminary discussion

The following points are to be explained in the preliminary consultation:

- Health issues, contraindications, side effects and residual risks.
- Treatment plan and expected results of the treatment.
- Step by step explanation of the treatment.
- Number of treatments and treatment intervals.
- Care after the treatment and indication of the care products. The customer must be provided with the completed "Instructions for follow-up care."

- Indication of downtime after treatment.
- Information on the declaration of consent

A written declaration of consent is required to perform the treatment.

It is recommended to keep a treatment book to document the areas of application and progress of the treatment.

5.3 Pre-treatment

Carry out the following steps before treatment:

- ▶ Cleanse the skin. Remove make-up, creams or other products.
- ▶ Disinfect areas to be treated (do not use alcoholic disinfectant).
- ▶ Apply anaesthetic ointment to the areas to be treated according to the manufacturer's instructions and allow to act.

5.4 Treatment

WARNING

Skin injuries due to improper treatment. Observe for punctual treatment:

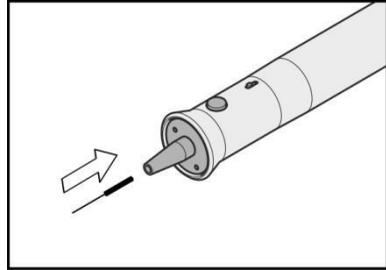
- Points on excess skin.
- Place dots to the left and right of the pleat in several rows. Not into the fold, this deepens the fold.
- Do not bring the needle tip too close to the skin or touch it. The distance of the needle tip to the skin must be 0,5 mm to 2 mm.
- Never set the point longer than 1 second.
- Set points at 2 mm intervals.
- Hold the device securely so that it cannot slip out of your hand
- When no points are being set: Do not hold the needle in the direction of the customer and device far away from the customer. The customer could "twitch" or injure himself with jerky movements at the applicator.
- Particularly sensitive persons may experience slight pain or unpleasant sensations during the treatment.
- Wash and disinfect hands before use.

Danger due to infections

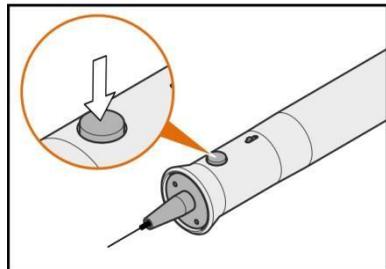
Wear hygienic disposable gloves and mask.

Treatment steps:

- ▶ Put the magnetic applicator into the device.



- ▶ Press the release button and guide the needle tip 0,5 mm to 2 mm to the skin. This produces a plasma flash that must not last longer than 1 second.



During the treatment:

- ▶ Carefully dab off treated areas (crust must not be removed)

After the treatment:

- ▶ Apply suitable aftercare products to protect the skin from UV radiation.
- ▶ Disconnect the device from the power bank.
- ▶ Take the applicator out of the holder.
- ▶ Use care products tailored to the skin type, see "Instructions for aftercare".

ATTENTION Applicators must be disposed properly after treatment.

- ▶ Clean all parts of the unit.

5.5 Cleaning parts of the unit

ATTENTION Improper cleaning will damage the surfaces of the unit and cause malfunctions.

- Unplug the rear connector before starting cleaning.
- Clean device surfaces with a gentle cleaning agent, e.g. 50 % propanol solution
- Make sure that no liquid gets inside the unit.

6 Troubleshooting



WARNING Danger to life from electricity

Never open the device or power bank. Repairs may only be carried out by the customer service of Love Plasma Ltd Company to ensure continued compliance with the safety requirements and the safety of persons, see page 2.

Malfunction	Cause(s)	Action
Unit does not generate plasma flash	Applicator	Using another applicator
	No power supply	Check if the power bank is charged (press key on power bank), LED's light up?
		Connections Check device plug
	Power bank defective	Contact manufacturer
Device gets warm or makes noises	Internal defect of the device.	Disconnect the device from power bank and switch it on again after 10 minutes. Contact the manufacturer if the error persists.

7 Technical specifications

7.1 Device and power bank

Technical Specifications	
power supply for power bank	5 VDC
power supply for the device	5 VDC, 0.5 A max
DC connection	2-pin cable, hollow plug 3.6 mm
Unit dimensions, total (L x H)	approx. 130 mm (with needle 150 mm) x 25 mm
Weight	approx. 60 g
Ambient temperature, operation	10 °C to +37 °C
Ambient temperature, storage	+5 °C to +40 °C
Humidity (non-condensing)	30 % up to 75 %
WEEE-Reg. no.	WEE/AX4054VE

7.2 Applicators

Technical Specifications	
needle size	0,3 mm
needle length	15 mm
needle shank	20 mm
overall length	35 mm

7.3 EC Declaration of Conformity



Manufacturer Love Plasma Ltd
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The manufacturer declares conformity to the guidelines for the plasma device “Love Plasma” described in this manual:

- Low voltage directive: 2014/35/EU
- EMC directive: 2014/30/EU
- RoHS directive 2011/65/EU
- Waste electrical and electronic equipment 2012/19/EU

and compliance with the following harmonised standards:

- EN 60335-1:2012-10
- EN 60335-2-23:2015-06
- EN 61000-6-1: 2016-05
- EN 61000-6-3: 2011-09

Instruction sheet for aftercare

Customer (m/f): _____

Attending person: _____

Place, date: _____

Safety notice

ATTENTION Scar formation on removal of the crust

After approx. 1 to 2 days a protective crust forms on the treated area, which falls off after approx. 5 to 8 days. The skin is pink and very sensitive.

- Never remove the crust yourself.

Pigment shifts and dark spots

- Use a SPF 50 outdoors for at least 3 months. Even in snow or rain.
- Do without solarium, swimming pool and cosmetics for at least 4 weeks.

Frostbite when cooling the skin

A thermal reaction of the skin can lead to increased blood circulation and cause frostbite.

- Never cool treated areas.

Skin rashes

After the treatment the skin is irritated and very sensitive.

- Keep at least 8 to 10 weeks between treatments.
- For a dry healing: Only use care products recommended during the treatment.

Recommended care products

(to be completed by the attending person)

Product	application	frequency

Post-treatment care

A lack of hygiene can lead to inflammation.

Twice a day, morning and evening:

- ▶ Place curd soap in a lukewarm water bath and gently dab the treated areas with a cotton pad.
- ▶ Allow treated areas to air dry. Spray Octenisept wound disinfection on a cotton pad and gently dab the treated areas with a cotton pad.
- ▶ Only in the morning: apply the recommended after care product thinly.

Next date

check Care treatment plasma treatment

date on _____