

Dear Customer,

Congratulations on your purchase. Laser hair treatment gives a long term solution to permanent hair reduction. Treating hairs to kill the hair root permanently has a high success rate, giving lasting results. By treating yourself at home you will be saving yourself a series of expensive trips to the salon. Laser treatment by its very nature is relatively slow compared to temporary methods of hair removal, but the time invested is more than justified by the permanent results. Understanding the process and in particular the hair growth cycle is important. This guide will help you to achieve the hair reduction you are looking for, so please read it carefully.

If you have any questions or suggestions please call our customer care representatives on 01242 702345. They will be delighted to help you get the best results from your Salon Laser Scanning Hair Remover.

SALON LASER
Scanning Hair Remover

WARNINGS

Not suitable for Afro-Caribbean or black skin complexions. Not suitable for Grey Hair.

Laser hair removal should not cause discomfort. If you feel any discomfort or soreness the setting may be too high or your skin tone (colour) is not suitable for use with this product.

Do NOT treat the following areas: Tattoos, permanent make-up, pimples, warts, hair grown on black spots, skin disease, birth marks, burns, lips, nipples, genital or anal areas, eczema, eyelashes, eyebrows, near the eyes, nasal or ear hair.

Do NOT treat the same hair/area repeatedly in any one session.

Inbuilt safety features protect the eye being exposed to the laser, however, never aim the Wand at or near eyes.

Do NOT use after drinking alcohol or if you are feeling unwell or fatigued.

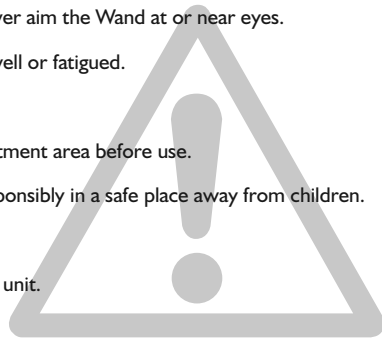
Do NOT use near flammable materials.

Reflection Hazard: Please remove all jewellery in vicinity of the treatment area before use.

Keep the product out of reach of children and pets. When not in use, store the key responsibly in a safe place away from children.

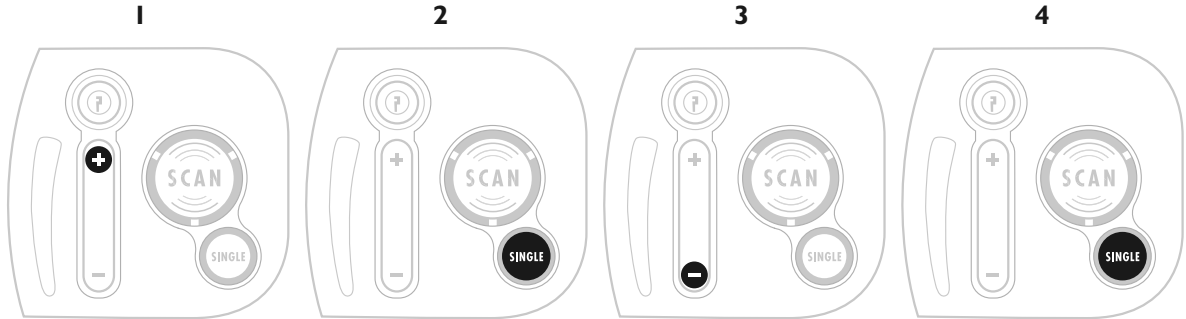
Misuse of the unit can cause harm.

Do NOT override any safety features or open the unit.



SECURITY BUTTON SEQUENCE

Enter the security button sequence by pressing the buttons (highlighted in black) in the following order:



If the sequence is entered correctly the unit will emit 2 beeps and the keyswitch will stop flashing and light green. The lowest power level will light blue and the SCAN and SINGLE buttons will both flash blue ready for selection.



Note: There is a 60 second time limit for entering the code. The unit will power off if the code is incorrectly entered or if you have exceeded the 60 second limit (the keyswitch will change from flashing green to flashing orange and the unit will emit two low beeps). Turn the key off, wait a few seconds and then turn the key back on and re-enter the button sequence.

HOW DO LASERS WORK?

Lasers deliver an intense beam of light which are made up of a single wavelength or colour. Skin is essentially transparent to light in the wavelength range of 600-1100nm (nano meters), while melanin containing structures will absorb laser energy of this wavelength. It is therefore possible to target the hair follicle which has a concentration of melanin without affecting the surrounding area.

The light energy absorbed by the melanin pigment results in the rapid heating up of the hair follicle. This heat destroys the cells (papilla) responsible for hair growth. If adequate heating is achieved, then the follicle is permanently disabled resulting in a permanent reduction in hair growth.

SUITABLE SKIN TYPES

Melanin in the epidermis also absorbs the energy and limits the depth of penetration of the laser light into the skin. Using a light wavelength of 808nm enables treatment of relatively dark skin as well as fair-skin types. However, laser hair treatment is not suitable for Afro-Caribbean or black skin complexions. Laser treatment is also ineffective in removal of white or grey hair. Electrolysis should be considered as an alternative treatment.

As a guide, skin colours are classified by the Fitzpatrick skin phototypes as described in the table opposite.

PATCH TEST

Skin Type	Skin Colour	Tanning History	Maximum Power Level
I	Very fair, "transparent"	Always burns, never tans	All laser power levels should be suitable.
II	Fair	Always burns, tans with difficulty	
III	Fair to light olive	Burns mildly, tans slowly	
IV	Olive to brown	Rarely burns, tans with ease	Up to level 3
V	Dark brown	Very rarely burns, tans very easily	NOT suitable for Laser Hair Removal
VI	Black	Never burns, tans very easily	

24 hours before treatment check for any reaction by testing a few areas of hair.

The + and - buttons increase or reduce power levels. Treat several areas of hair on each Power Level up to the maximum Power Level for your skin type (see table). If you feel any discomfort, the previous lower power level is the maximum power level you should use.

A slight redness after treatment may occur. Any localised redness after treatment is caused by the destruction of the hair follicles and is quite normal. However, if any redness remains after 24 hours this would indicate the power level selected was too high for your skin type. Use the next power level down during treatment.

PLEASE NOTE: Skin colour varies on different areas of the body - you may find that you need different power level settings for different areas. Each area should be tested for the appropriate maximum power level.

THE HAIR GROWTH CYCLE

It is important to understand the normal hair growth cycle to understand how the Salon Laser Scanning Hair Remover works. The hair follicle is an anatomical structure which evolved to produce and push out a hair shaft. Hair is made up of proteins called keratins. Human hair grows in a continuous cyclic pattern of growth and rest known as the "hair growth cycle."

The Cycle

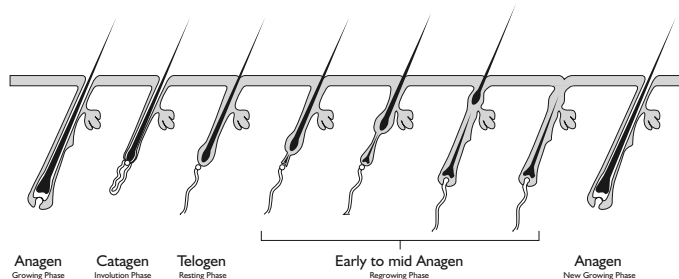
Three phases of the cycle exist:

Anagen = active growth phase

Catagen = degradation phase

Telogen = resting phase

Periods of growth (anagen) between two and seven years, are followed by a period in which the follicle is totally degraded. The resting phase (telogen) then begins and lasts between six weeks and six months. Shedding of the hair occurs only after the next growth cycle (anagen) begins, and a new hair shaft begins to emerge. On average 50–100 telogen hairs are shed every day. This is normal hair loss and accounts for the hair loss seen every day in the shower and with hair combing. These hairs will regrow. The percentage of follicles in the resting phase (telogen) will vary at any time depending on the body area. It is also important to note that a variety of factors can affect the hair growth cycle and cause temporary or permanent hair loss (alopecia) including medication, radiation, chemotherapy, exposure to chemicals, hormonal and nutritional factors, thyroid disease, generalised or local skin disease, and stress.



WHY IS A SERIES OF TREATMENTS REQUIRED?

Everyone's hair grows differently, depending on age, weight, metabolism, hormones, ethnicity, medications, and other factors. But all hair goes through three distinct growth phases:

Active growth phase (called the anagen phase), which lasts between 2 and 7 years. During this phase the dermal papilla actively produces cells which form the hairshaft. In certain areas of the body, such as the scalp, the majority (83%) of the hairs are in this phase. During the Anagen phase the hair has an abundance of melanin.

Degradation phase (catagen phase), which lasts between 10 and 20 days, during which the hair stops growing but is not yet shed. About 3–4% of our body hair is in this phase at any given time. The hair follicle shrinks at this time as the hair is prepared for eviction.

Resting phase (telogen phase), which can last for several months, during which the hair falls out and a new hair begins to form. The hair follicle is not treatable during this time.

Laser treatment is only effective when the hair is in the active growth phase. Hairs or hair follicles in the Degradation or Resting phase need to progress to the active phase before treatment will be beneficial. Therefore multiple treatments are required for long term permanent hair reduction.

Also in a single treatment not all of the hair follicles in the active phase will be destroyed. Some follicles are destroyed, others may be miniaturised into vellus hairs (light fine hairs), and some enter prolonged dormancy. The initial treatment should be repeated to take care of active hair follicles that were not effectively treated in the first session as new hair growth is observed, this will typically be some 3–4 weeks later depending on where the treatment area is.

Further treatments should be planned at regular intervals to treat hairs that are coming out of the resting phase and into the active growth phase. Generally, we recommend 6 treatment sessions over 6 months. Given the number of hair follicles in the resting phase at any given time this hair re-growth can be significant.

Any follicles without a target hair within will simply grow again and will need to be treated next time around.

Body Site	Follicle Density per square cm	Resting Phase	Time in Resting Place	Active Growth
Head	350	15%	3 months	83%
Arms	80	18%	5 months	79%
Legs	60	18%	6 months	79%
Beard	500	68%	10 weeks	30%
Upper Lip	350	64%	6 weeks	34%
Armpit	65	28%	3 months	69%
Chest/Back	70	28%	3 months	69%
Pubic	70	25%	3 months	71%

YOUR QUESTIONS ANSWERED

How should I prepare my skin for laser hair removal?

Laser hair removal does not require any special skin preparations, although you should always ensure your skin is clean. Laser hair removal is most effective on pale skin so we recommend avoiding sunbathing, sun beds and fake tanning if possible.

How should I prepare the hairs for laser hair removal?

The best results are on hairs which are only 1-3 mm long, we recommend trimming the hairs before treatment. Alternatively, you can shave before treatment as long as during treatment the hair is visible enough for the laser to be aimed at the root.

How will my skin appear after the treatment?

Generally no perceptible changes will be apparent. A slight redness after treatment may occur but will normally fade over 24 hours. Any localised redness after treatment is caused by the destruction of the hair follicles and is quite normal. However, if any redness remains after 24 hours this would indicate you have selected too high a power level for your skin type. Please refer to the "Patch Test" section. Also note, any longer lasting redness will also disappear.

After Laser Hair Removal is there anything to avoid?

Sun exposure or deep tanning should be avoided for at least a week. If the skin is exposed use a sunscreen. Also avoid using abrasive cleansers or skin peeling treatments. Avoid swimming in chlorinated water or using a hot tub for 48 hours. The chlorine in the water can result in itchiness.

Is there any aftercare routine I should follow?

If you wish, you can apply an unperfumed soothing lotion, an ice pack or wet towel to cool the treated area. Take care to keep the treated area particularly clean for 3 days. Ideally, use an anti-bacterial soap twice daily. When treating the underarms, avoid using antiperspirant deodorant for 2-3 days.

YOUR QUESTIONS ANSWERED

How often can I repeat Laser Hair Removal treatment?

As long as the hair follicle or surrounding skin is not red, sore or inflamed, treatment can be repeated after 24 hours. Most people wait 3–4 weeks between treatments to see which hairs have been shed and to identify new regrowth. The timing for follow on treatments is not critical. Choose a time which is convenient for you. Avoid excessive treatment on the same region at one time. This may cause reddening and swelling.

How many treatments will I need?

Laser hair reduction is generally considered to be effective and permanent after 6 treatments over a 6 month period. This varies from person to person and depends on the area you are treating, hair density, your hair's growth cycle and colour. Dark hair on fair skin responds to laser therapy best, but both dark and fair hair may take several treatments for long-term results. Some individuals may require more, and some fewer treatments, to achieve satisfaction. Initially with each treatment you will notice a gradual thinning/reduction of hair growth in the treated area. Women who suffer excessive hair growth due to male type hormones are likely to require long term maintenance.

What areas can I treat?

Most body hair can be removed using Laser Hair Removal - the most common areas are the face, underarms, legs, chest, back and bikini line. We do NOT recommend using the Salon Laser Scanning Hair Remover on eyebrows.

Can I use Laser Hair Removal on sensitive skin?

Yes, the laser reacts with the hair, so the surrounding skin will not be affected.

What does it feel like?

Most people don't feel anything, although one or more mild 'pin prick' sensations may be felt.

Can I use other hair removal methods between treatments?

Because the Salon Laser Scanning Hair Remover needs a hair to be present in the follicle hair removal methods which pluck the hair, such as waxing, epilators and tweezing are NOT suitable for use between treatments. Bleaching hairs is also NOT suitable as it removes the pigment and renders the laser ineffective. Shaving, micro-dermabrasion discs and cream depilatories are ideal for use between treatments.

TROUBLESHOOTING

I have lost my keys.

Make a note of the serial number of your product from the base of the unit and call our Customer Care on (0) +44 1242 702 345 who will be happy to send you a replacement key.

The lights on the unit are working but no laser is emitted on pressing the button.

- Ensure the Touch Pins are making contact with the skin.

No lights are working on the unit.

- Ensure the Adapter plug is turned on at the wall and the power lead is fully inserted in the back of the unit.
- If controls on either Main Unit or Wand are left untouched for 20 minutes, the System will shut down. To restart, turn the Key anticlockwise to the off position then restart the unit.

The unit is not responding and one of the power level lights is flashing.

- This indicates a lockout. If you experience a 'lockout', simply reset the unit by turning it off with the key. Wait 5 seconds before turning the unit on again.

UNIT MAINTENANCE

- After use always unplug the Adapter and store out of reach of children.
- Only use this product with the Mains Adapter supplied.
- To protect the laser, do not store at temperatures exceeding 40°C.
- While unplugged, regularly clean the Front Face of the Wand and Touch Pins with a cotton bud, to ensure optimum laser output.
- Do not immerse the Main Unit or Wand in water.
- Always store the Wand on the Main Unit and do not use it for any other purpose than intended.
- After use, wipe the Wand clean with a slightly damp cloth. The Main Unit can also be wiped over.
- For laser efficiency, periodically clean the laser aperture with a lint free cloth or cotton bud, ensuring no fibres are left.
- If you experience unexpected behaviour of this product then it is possible some external electromagnetic interference is responsible. You should remove this source and restart the product to restore full operation. At no time will the laser fire unintentionally.
- Do NOT disassemble or repair. If you have any problems using the product, contact our Customer Care Department.

PRODUCT SAFETY

Due to the divergent laser beam, there is not any threat to life or physical condition by directing the laser beam accidentally at persons if the lens has not been tampered with. The laser mechanism must only be adjusted by the Dezac Group or its nominated service agents.

This product complies with European safety standards.

CUSTOMER CARE

If you experience any difficulties, or if you would like any further information, please call Customer Care on **(0) +44 1242 702345**
or email us at: **online@riobeauty.com**

For further information, visit: **www.riolaserhair.com**

GUARANTEE

To register your two year guarantee online, visit: **www.riobeauty.com/warranty_online.htm**

DISPOSAL

Please ensure that at the END OF THE LIFE of this product the control unit and mains adapter are disposed of in the correct manner in accordance with local authority requirements, or, returned to The Dezac Group Ltd, Cheltenham, PO Box 54, GL14 2WW, UK.



They must NOT be disposed of with household waste.