

SMART RAY

Light Therapy (Home Care) System



† Using Smart Ray

As easy as ABC!

1. To turn on, press and hold the right button for 3 seconds. (Battery must be charged beforehand)
2. Press the left button for brightness adjustment. There are 5 steps of brightness available.
3. To turn off, press and hold the right button for 3 seconds.
4. Device can be recharged from any USB port. The indicator will show red while charging, and green when it is full charged.

† Effect of Smart Ray with photosensitizer

Acne The improvement rate of inflammatory acne is 50~60% with 1 treatment, up to more than 90% with 3 treatments.

Pore Reduce the size and activity of sebaceous oil gland. It increases the destruction of the bacteria in the sebaceous gland and causes collagen rejuvenation which decreases pore size. Gradual improvement can be seen over 1~2 weeks. The effect is long-lasting.

Blackheads Not only reducing pores on the nose, it also reduce blackheads.

Oily skin Decreasing pore size and shrinking oil glands decrease oily skin. This allows makeup to last on people who have naturally oily skin.

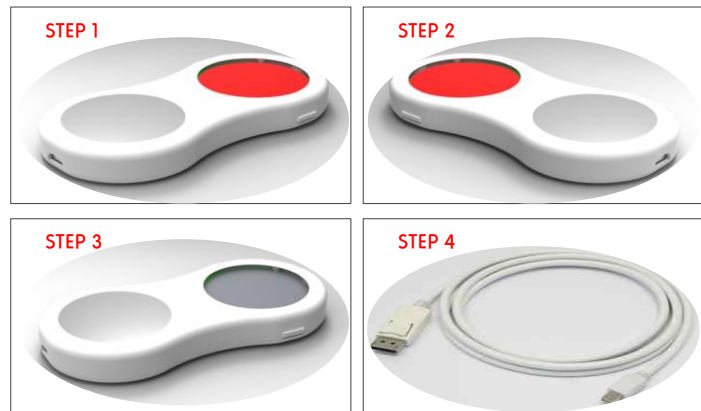
Others Can be used for refractory skin diseases (rosacea, hidradenitis) and variety of dermatological conditions (actinic keratosis, warts)

† What is Photodynamic Therapy (PDT)?

PDT is a form of phototherapy using photosensitizers which are exposed selectively to light, whereupon become toxic to targeted cells. PDT is popularly used in treating acne which uses specific wavelength to destroy sebaceous glands and kill acne bacteria, preventing the recurrence of acne.

† Benefits of Smart Ray

- LED light source with a wavelength of 635 nm used for PDT. In PDT, wavelength between 420nm and 680nm is often used. Due to low dose absorption in epidermis layer in PDT, red light with 635nm wavelength is used, which has been proven to propagate in skin. Red light with wavelength of 635nm allows penetration up to 5mm, while blue light of 460nm allows only 1mm.
- The brightness can be adjusted to 5 steps, and it automatically turns off after 10 minutes.
- Due to its lightweight, compact and slim size, it is easy to use.
- Rechargeable from any USB (LED lifespan up to 50,000 hours)

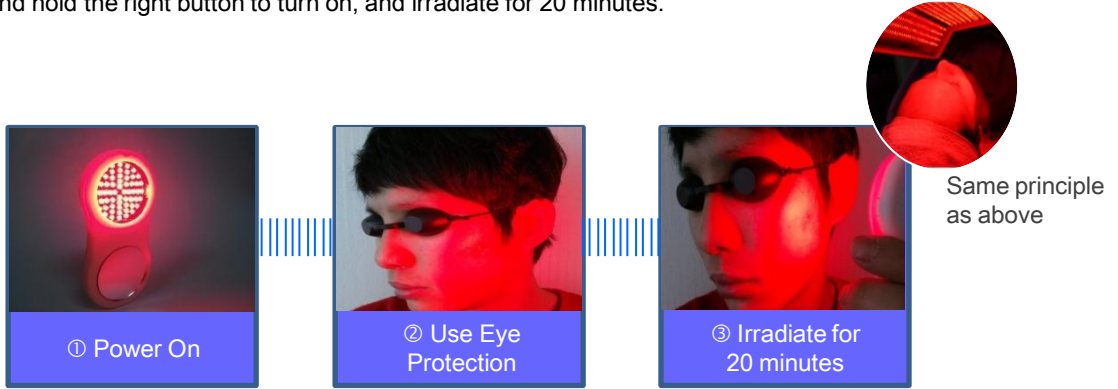


† Specification

Category	SMART RAY
Battery Spec.	DC 3.7V 1250mAh Lithium polymer
Battery Type	Rechargeable, Micro-USB Input
Power Consumption	Max. 6 Watt
Operating Temperature	10~50°C
Usage Duration	~50 min (10 min x 5 times)
Main Function	Brightness control, LED indicators for power and charging status
Safety Function	Sensor preventing overcharging and overheating
Size	6cm (W) x 12.5cm (L) x 1.5 cm (H)
Weight	70g

† How to use Smart Ray

- 1) Apply Potio Amoris ALA Pre-care Solution (ALA 15%) and incubate for 20~40 minutes. Rinse with water (optional) and start irradiation (Smart Ray).
- 2) **Eye protection** is required for the photodynamic therapy.
- 3) The optimal distance between the acne affected area and the red light (Smart Ray) is **10 cm**.
- 4) Press and hold the right button to turn on, and irradiate for 20 minutes.



Precautions

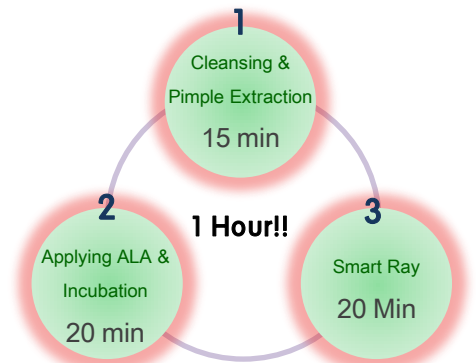
- ① In order for an effective acne care to take place, affected area must be in reach of irradiation for 20 minutes.
- ② If pain arises on affected area during irradiation, please proceed as follows:
 - Turn off Smart Ray until pain subsides and continue with acne care.
 - Widen the distance between the light and the affected area.
 - e.g Start from 15cm and gradually shorten the distance.
 - Maintain the distance which feels comfortable (no pain).
 - Optimal distance is 10cm.
- ③ Reduce the duration of irradiation to 10 or 15 minutes for skin that is sensitive to light.

† PDT-ALA Intensity / Duration (Considering skin type)

- 1) Intense : Potio Amoris ALA Pre-care Solution incubate **50 min**, Smarty Ray **20 min**.
- 2) Medium : Potio Amoris ALA Pre-care Solution incubate **40 min**, Smarty Ray **15 min**.
- 3) Mild : Potio Amoris ALA Pre-care Solution incubate **20 min**, Smarty Ray **10 min**.

† Benefit of PDT

- 1) No need for oral or topical medication
- 2) Safe to use during pregnancy or other complications due to oral medication.
- 3) Most effective way to prevent acne scars for patients who responds poorly to antibiotics due to resistance.
- 4) Short duration with rapid results
- 5) Not only for acne control but also overall improvement of skin condition is seen (reduction of pore size, blackhead, acne scars)



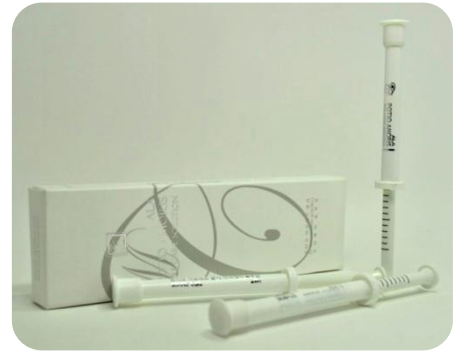
The Best Photodynamic Therapy is now available at home with only 1 hour investment!!

† POTIO AMORIS ALA PRE-CARE SOLUTION

The main ingredient of Potio Amoris ALA Pre-Care Solution is ALA(5-Aminolevulinic acid). We have the patented technology which prevents ALA from breaking in liquid state for a long period time. This easy-to-use solution is ideal for acne care.

- Contains 15% ALA in each syringe
- A type of ginsenoside called RG2 (antioxidant) is also one of the active ingredients.
- No preservatives, No coloring, No surfactants, No artificial fragrance

*Caution : Keep it refrigerated for long-term storage

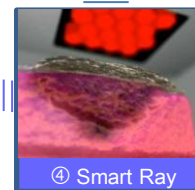
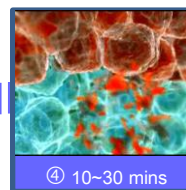
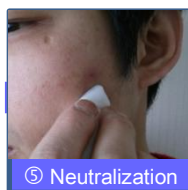
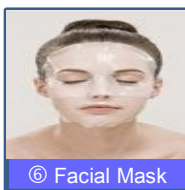
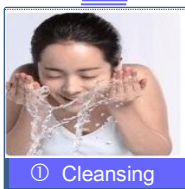


- Contains : 1ml X 3 syringes

: Acne Care System(Once in 1~2 weeks)

Directions

- 01 Wash your face thoroughly with facial cleanser (such as Beerschaum).
- 02 Extract pimples gently.
- 03 Apply Potio Amoris ALA Pre-care Solution on affected area and leave it for 20~50 minutes.
- 04 Irradiate for 10~30 minutes using Smart Ray.
- 05 Remove residual ALA with Potio Amoris Cleansing (neutralizing agent).
- 06 Use facial mask for soothing the skin and Potio Amoris ALA Essence for moisturization.



Cautions

1. Avoid outdoor activities after the treatment (Avoid direct sunlight for 24~48 hours).
2. Red spots (erythema) may appear for 2~3 days after the treatment. They will fade away eventually.
3. Dead skin may appear on treated area for a week or two. Do not exfoliate as they will disappear naturally.
4. Avoid going to sauna right after the treatment.