SMART Pulser

S.FACE

INSTRUCTIONS FOR USE



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The contents of this manual may differ from the product or the accompanying software. All information is subject to change without prior notice.

Table of Contents

1. Read Before Use 4
2. Device Overview 4
3. Intended Purpose and Intended User 5
4. Modes and Technology 6
5. Contraindications, Warnings and Precautions 7
6. Before First Use 9
7. Preparing for a Session 10
8. Operating Instructions 12
9. Recommended Session Framework 13
10. After Use 13
11. Cleaning and Maintenance 13
12. Troubleshooting 14
13. Adverse Reactions and When to Stop 14
14. Technical Specifications 15
15. Disposal 15
16. Warranty, Service and Manufacturer Information 16

1. Read Before Use

Read these Instructions for Use completely before using S.Face. Keep this document for future reference and make sure that any other person using the device has read and understood the safety information.

WARNING

S.Face is designed for beauty and wellness use. Do not use the device to diagnose, treat, cure, mitigate or prevent any disease or medical condition. Do not use the device on a medical condition instead of seeking professional medical advice.

EYE SAFETY

Do not intentionally stare at the operating LEDs. The final production device must only be used in accordance with the manufacturer's validated eye-safety instructions. The 415 nm blue-light mode requires particular attention in the photobiological and ocular safety assessment.

Stop use immediately if you experience significant discomfort, eye pain, visual disturbance, unexpected skin reaction, dizziness, headache, palpitations, or any other concerning symptom.

2. Device Overview

S.Face is a wearable facial beauty and wellness device combining visible LED light with pulsed electromagnetic field (PEMF) technology. The LED and PEMF functions can be selected independently or operated simultaneously.

Technology	Main specification	Consumer mode
Red LED	630 nm	RADIANCE
Green LED	521 nm	BALANCE
Blue LED	415 nm	REFRESH
Orange LED	590 nm	VITALITY
Lime LED	560 nm	CALM
Turquoise LED	490 nm	PURITY
PEMF	0.1–25 Hz square-wave signal	RELAX
LED + PEMF	Simultaneous operation	FUSION

S.Face requires the connection to the SmartPulser control unit to operate the application.

Package contents



S.Face mask



5 + 5 Hygienic films

If any parts are damaged or missing, please contact your local distributor.

3. Intended Purpose and Intended User

Intended purpose

S.Face is intended to provide a non-invasive beauty and wellness experience using visible LED light and very-low-frequency PEMF. It is designed to complement a skincare and self-care routine and to support a radiant, refreshed and smoother-looking complexion.

Range of Applications

Mode	Intended beauty/wellness positioning
RADIANCE — 630 nm red	Supports the appearance of smoother, radiant and refreshed-looking skin.
BALANCE — 521 nm green	Complements the skincare routine for a fresh, balanced-looking complexion.
REFRESH — 415 nm blue	Provides a refreshing, invigorating element to the beauty and wellness ritual.
VITALITY — 590 nm orange	Enhances the routine for a vitalized, glowing and revitalized-looking skin.
CALM — 560 nm lime	Promotes a calm, fortified and harmonized-looking skin appearance.
PURITY — 490 nm turquoise	Delivers a soothing, purifying and restored-looking finish to the skin.
RELAX — PEMF	Provides a gentle electromagnetic wellness experience designed to complement a relaxing self-care routine.
FUSION — LED + PEMF	Allows light and field to be experienced together in one integrated session without implying a proven synergistic medical effect.

Intended user

The device is intended for users who can understand and follow these instructions and safely place, operate and remove the mask. Children under the age of 12 years should not use the mask.

4. Modes and Technology

LED system

- 171 integrated LEDs
- 630 nm red LED mode
- 521 nm green LED mode
- 415 nm blue LED mode
- Combined RGB irradiance: 14.35 mW/cm² when all RGB LEDs are operating
- Continuous / non-pulsed illumination

The 14.35 mW/cm² value is the total irradiance with all RGB LEDs operating and must not be interpreted as the irradiance of any individual wavelength.

PEMF system

- 4 integrated inductive copper-fiber coils
- Fundamental/carrier frequency range: 0.1–25 Hz
- Waveform: square wave
- Magnetic flux density setting: 1–300 µT maximum at coil surface
- Minimum distance from coil surface to skin: 3 cm

The 300 µT value is specified at the coil surface. It is not a statement that 300 µT is delivered at the skin. Actual field strength at the skin depends on coil geometry, distance and operating conditions.

5. Contraindications, Warnings and Precautions

DO NOT USE — ACTIVE IMPLANTS / ELECTRONIC MEDICAL DEVICES

Do not use the PEMF function if you have a pacemaker, implantable cardioverter-defibrillator (ICD), implanted neurostimulator, cochlear implant, implanted drug pump, or other active electronic medical implant unless the device manufacturer and your treating physician have specifically confirmed compatibility.

DO NOT USE ON COMPROMISED SKIN

Do not use the light-emitting functions over open wounds, active infection, severe rash, markedly swollen, red, irritated or inflamed skin, or suspicious/undiagnosed skin lesions. Seek medical evaluation where appropriate.

Consult a healthcare professional before use if any of the following apply

- Pregnancy or suspected pregnancy.
- A history of seizures or photosensitive epilepsy.
- Known photosensitivity or a condition associated with light sensitivity.
- Use of prescription or over-the-counter medicines, supplements, skincare products or topical agents known or suspected to increase photosensitivity.
- Recent cosmetic procedures, laser treatment, chemical peels, microneedling, injectable treatments or facial surgery.
- Known eye disease, retinal disease, recent eye surgery, or a condition requiring avoidance of bright visible light.
- Metallic or electronic implants in or near the treatment area.
- Any medical condition for which you are uncertain whether LED light or PEMF exposure is appropriate.

General precautions

- Use only on clean, dry skin unless the final validated instructions explicitly permit a compatible skincare product.
- Do not use with flammable products, aerosols or solvents on or near the face.
- Do not use if the device, cable, controller, battery or enclosure appears damaged.
- Do not use while driving, walking, bathing, sleeping, or performing an activity requiring full visual attention.
- Do not cover ventilation openings or modify the device.
- Keep away from water.
- Keep out of reach of children when not in use.
- Use only manufacturer-approved accessories and power/charging equipment.

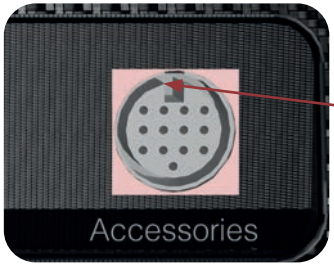
6. Before First Use

1. Inspect the mask and all accessories for visible damage.

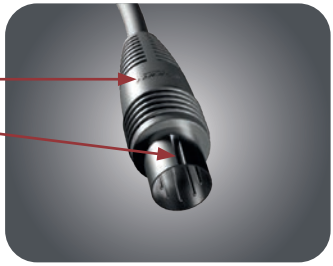
2. Read the complete IFU and all labels.

3. Confirm that the mask is clean and dry.

4. Connect the S.Face system to the SmartPulser control unit: To do this, plug the applicator connector into the designated jack on the back of the control unit (1). The SmartPulser system automatically detects the S.Face system.



Socket on the control unit



Applicator plug



5. Check the system time (top right of the display) and adjust it if necessary (see the SmartPulser user manual). The built-in biological clock automatically adjusts to the set system time during use.

6. Familiarize yourself with the controls and the method for stopping a session immediately.

7. Perform any skin-suitability or light-sensitivity check required by the risk-control procedure before first use.

7. Preparing for a Session

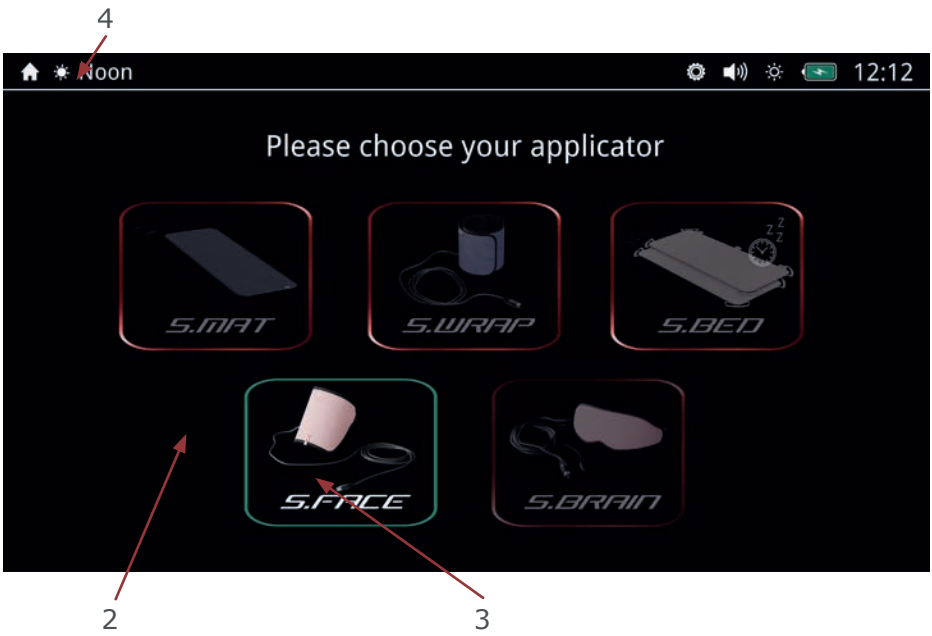
1. Remove makeup and cleanse the face gently.

2. Dry the face completely.

3. Remove jewelry or accessories that could interfere with correct mask fit.

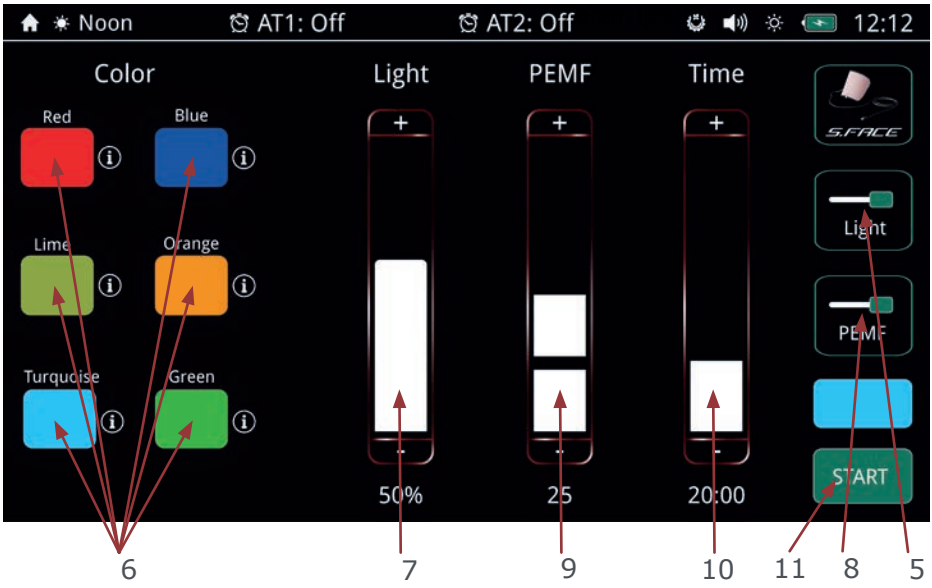
4. Inspect the treatment area. Do not treat compromised or suspicious skin.

5. Settings:



On the SmartPulser home screen (2), select the S.Face icon (3).

The S.Face user interface will then open.



6. The built-in organ clock automatically synchronizes with the SmartPulser's time. The current organ clock setting is displayed in the upper left corner of the screen (4). To adjust the setting manually, tap the organ clock icon (4) and select the desired time of day (morning, noon, evening, night).
If you would like to use the light therapy feature, activate the light function (5) and select the desired color (See also Chapter 8) (6) and light intensity (7). The selected color is displayed in the preview pane above the Start button (11).

If you would also like to use the PEMF feature, activate the PEMF function (8) and set the desired intensity (9).

Then set the desired treatment duration (10) and Start the application by pressing the Start button (11).

7. Place the mask so that it is stable, comfortable and does not apply excessive pressure.

If you experience immediate discomfort from brightness, heat, pressure or the fit of the mask, stop and reposition or discontinue use.

8. Operating Instructions

A. RADIANCE — Red 630 nm

Select the red LED mode for a beauty routine focused on radiant, smoother-looking and refreshed-looking skin.

B. BALANCE — Green 521 nm

Select the green LED mode for a beauty routine focused on a fresh, balanced-looking complexion.

C. REFRESH — Blue 415 nm

Select the blue LED mode for a refreshing, invigorating element within the beauty and wellness ritual.

BLUE-LIGHT PRECAUTION
Do not deliberately look directly into the LEDs. Follow the final validated eye-protection instructions at all times. Stop use if you experience eye discomfort or visual disturbance.

D. VITALITY — Orange 590 nm

Select the orange LED mode for a beauty routine focused on a vitalized, glowing and revitalized-looking skin.

E. CALM — Lime 560 nm

Select the lime LED mode for a beauty routine focused on a calm, fortified and harmonized-looking skin.

F. PURITY — Turquoise 490 nm

Select the turquoise LED mode for a beauty routine focused on a purified, soothing and restored-looking skin.

G. RELAX — PEMF

Select the PEMF mode to use the integrated very-low-frequency electromagnetic field function independently of the LED modes.

H. FUSION — LED + PEMF

Select FUSION to operate the chosen LED mode and PEMF simultaneously. FUSION describes simultaneous operation only and does not imply a proven synergistic medical or physiological effect.

9. Recommended Session Framework

Available session duration: 1-60 minutes. Use only the durations available in the validated production software and do not attempt to bypass automatic session limits. It is imperative not to exceed a daily use duration of 60 minutes and, moreover, to observe a minimum intermission period of 4–6 hours between each application.

10. After Use

1. Allow the session to finish or stop it using the device controls.

2. Switch the device off before removing it.

3. Remove the mask carefully without pulling cables or connectors.

4. Inspect the skin. Mild transient warmth or temporary redness may occur with light-based products, but the final acceptable response profile must be defined during validation.

5. Clean the contact surfaces according to Section 11.

6. Store the device in a clean, dry location.

Do not immediately repeat a session because you believe the effect was insufficient. Follow the validated use schedule.

11. Cleaning and Maintenance

The use of alcohol, disinfectants, and cleaning agents, as well as immersion in liquids, is prohibited unless the manufacturer has confirmed that the product is compatible with them.

› Always switch off and disconnect the device before cleaning.

› Do not immerse the mask, controller, power supply or cable in liquid.

› Do not allow liquid to enter electrical openings.

› Do not use abrasive pads or sharp objects.

› Inspect the device regularly for cracks, loose components, damaged cables or discoloration.

› Do not service or open the device yourself.

12. Troubleshooting

Problem	Possible cause	Action
Device will not turn on	Battery discharged / power not connected / system fault	Charge/connect as instructed. If unresolved, discontinue use and contact service.
LEDs do not illuminate	Incorrect mode / session not started / fault	Stop session, restart once, then contact service if the problem persists.
PEMF mode unavailable	Incorrect mode / system fault	Restart once. Do not open or repair the device.
Unexpected heat or odor	Electrical or component fault	Stop immediately, disconnect power and do not reuse until inspected.
Eye discomfort	Brightness/exposure not tolerated	Stop immediately and follow eye-safety instructions. Seek medical advice if symptoms persist.
Skin discomfort or marked redness	Sensitivity, product interaction or overexposure	Stop use. Do not repeat until symptoms resolve and suitability is reassessed.

13. Adverse Reactions and When to Stop

Stop the session immediately if you experience:

› Eye pain, visual changes, flashing sensations or persistent visual disturbance.

› Burning, significant pain or unexpected heat.

› Marked or persistent redness, swelling, blistering, rash or skin irritation.

› Dizziness, faintness, severe headache, nausea, palpitations or unusual neurological symptoms.

› Any symptom that concerns you.

› If symptoms are severe, persistent or worsening, seek medical advice. Do not resume use until the cause has been assessed.

14. Technical Specifications

Parameter	Specification
LED count	171
Red peak wavelength	630 nm
Green peak wavelength	521 nm
Blue peak wavelength	415 nm
Orange peak wavelength	590 nm
Lime peak wavelength	560 nm
Turquoise peak wavelength	490 nm
Combined RGB irradiance	14.35 mW/cm² with all RGB LEDs operating
LED temporal mode	Continuous / non-pulsed
PEMF coils	4 integrated inductive copper-fiber coils
PEMF frequency	0.1–25 Hz fundamental/carrier range
PEMF waveform	Square wave
PEMF magnetic flux density	1–300 µT maximum at coil surface
Minimum coil-to-skin distance	3 cm
Session duration	1–60 minutes
Modes	LED alone / PEMF alone / LED + PEMF simultaneous
Electrical protection class	Class II
IP rating	IP22
Dimensions and weight	230 mm x 200 mm x 110 mm / 380 g
Expected service life	>10.000 h
EMC classification	EN55014-1/-2

15. Disposal

Dispose of the device according to local requirements for electronic waste.

16. Warranty, Service and Manufacturer Information

Products from Super Captain Co., Ltd. are covered by the statutory warranty provisions for manufacturing-related defects in materials, workmanship, or function. The following conditions apply:

Obvious defects:

The buyer is obligated to inspect the goods immediately upon receipt and report any obvious defects within 1–3 business days. Otherwise, the warranty claim for these defects will be void.

Hidden Defects:

Hidden defects may be claimed within the statutory period and must be reported immediately upon discovery.

Exclusion of Warranty and Guarantee:

- Normal wear and tear
- Improper handling or misuse
- Failure to follow safety instructions
- Mechanical damage / impact
- Attempts to repair the product on your own
- Use of unauthorized accessories

Manufacturer´s Warranty:

The manufacturer offers the following services and terms as part of a voluntary warranty:

- SmartPulser S.Face: in accordance with legal requirements

Requirements and Conditions:

- The original proof of purchase must be presented to make a warranty claim.
- Warranty benefits are generally non-transferable (e.g., in the event of a private resale to a third party).

Manufacturer:

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