

Health Life · Longest Care

Longest
PHYSIO & REHAB DEVICES

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Cryotherapy Device LGT-2410S

Expand Recovery Potential



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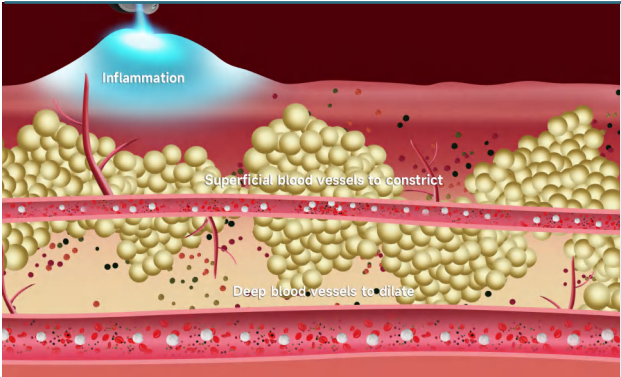
Localized Cryotherapy, Targeted Relief

Localized cryotherapy is a targeted cold therapy that applies extremely low temperatures to a specific area of the body to provide therapeutic benefits. By focusing on a particular spot or region, it allows for a more concentrated and direct treatment approach.

PRECISION	It allows for targeting specific areas that require treatment, concentrating the treatment where it's needed most, and avoiding affecting the surrounding tissues.
CONVENIENCE	The treatment is quick, does not require disrobing, and can easily be focused on hard-to-reach areas.
VERSATILITY	It offers versatile treatment options for a wide range of conditions, from sports injuries, arthritis, and tendinitis to skin issues like eczema, psoriasis, and acne.
SAFE	The controlled application of cold temperatures mitigates the risk of frostbite or tissue damage and the risks associated with whole-body exposure to extreme cold are minimized.
TIME & COST EFFICIENCY	Localized cryotherapy requires less time and resources, The focused treatment of specific areas makes localized cryotherapy more time-efficient and potentially more cost-effective for individuals seeking localized pain relief or targeted recovery.

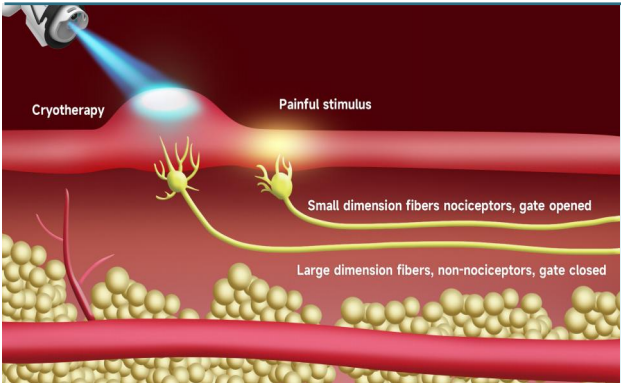
Indications

- ▶ Acute soft tissue injuries
- ▶ Muscle spasm
- ▶ Myofascial trigger points
- ▶ Tendinitis
- ▶ Acute swelling
- ▶ Tenosynovitis
- ▶ Bursitis
- ▶ Post orthopedic surgery
- ▶ Delayed onset muscle soreness (DOMS)
- ▶ Acute or chronic pain



• Metabolic Activation Effect

When exposed to intense cold, the superficial blood vessels constrict and then the deeper vessels dilate to protect the tissues, causing a "mixed vasoconstriction/vasodilation" response, which results in an increase in blood flow and lymph circulation in the treated area, promoting the removal of extra fluid, toxins, and metabolic waste from the body to decrease the inflammation and swelling.

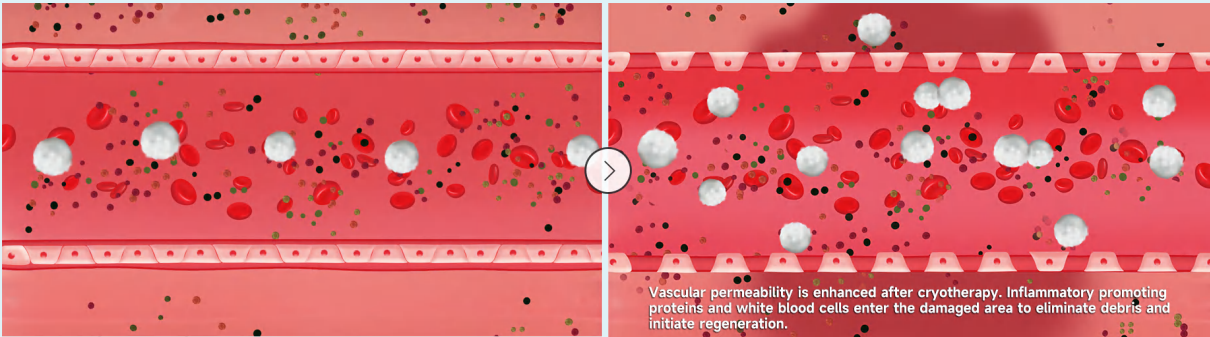


• Analgesic Effect

The analgesic action mechanism of cryotherapy involves the reduction in the conduction velocity of the nerve fibers due to the asynchronous transmission in pain fibers, the release of endorphins, the inhibition of spinal neurons, and a gradual reduction in the transmission of impulses in the sensitive nerves.

• Spasmolysis

Cryotherapy can help with muscle spasms. The stimulus has an inhibitory effect on the alpha motor neuron, which ultimately reduces spasticity. Besides, it can reduce muscle tone.



Vascular permeability is enhanced after cryotherapy. Inflammatory promoting proteins and white blood cells enter the damaged area to eliminate debris and initiate regeneration.

Cryotherapy Device LGT-2410S

The cryotherapy device LGT-2410S uses advanced localized cryotherapy technology, offering unmatched precision, efficacy, safety, and ease of use.

The device combines the effects of cold and pressure. In the cylinder, the CO₂ liquid is pressurized. When treating, the valve is open and the gas streams out through the applicator and hits the targeted area at a temperature of -78°C and a pressure of 50 bars. At room temperature, hitting the treated area at a distance of 4cm can lower the skin temperature of the treated area to 4 °C in the 30s.



* Gas cylinder is not provided.



USABILITY

Elevating the clinician experience

Design and Portability. The LGT-2410S combines a sleek design with easy mobility. Its compact dimensions allow for easy transportation between treatment rooms or facilities, making it ideal for clinics and sports teams alike.

Touchscreen Interface. A user-friendly 10.1-inch touchscreen interface provides easy navigation through the device's features, settings, and treatment protocols, making operation straightforward and efficient.

Integrated Treatment Protocols. The device comes with a database of pre-programmed treatment protocols for various conditions, from sports injuries and muscle recovery to dermatological concerns, guiding practitioners to optimal treatment regimens.

Ergonomic Applicator. The device features an ergonomically designed applicator that provides ease of use for practitioners, ensuring accurate application and comfort during treatments.





PERFORMANCE

Personalizing treatments for patients

- Wide Range of Parameters.** It employs cutting-edge technology that allows for precise temperature control, ranging from 0 to 15 °C , ensuring treatments can be customized to each individual’s needs and tolerance levels.
- High-Efficiency Cooling.** With a rapid cooling mechanism, the LGT-2410S minimizes the time required for each session, enhancing patient throughput without compromising treatment effectiveness.
- Pain Assessment Record.** The NRS function provides a standardized measurement scale for patients to rate their pain or symptom severity. By using the NRS function before and after each session, you gain immediate post-treatment insights to enhance confidence in clinical decisions.
- Quick to Adapt.** The device is designed with a preconditioning function which is used to judge a patient’s tolerance to the treatment and improve patient compliance.
- Great Patient Management.** The device allows for the creation and storage of individualized treatment plans for each patient. The practitioners can easily access a patient’s treatment history, including the number of sessions, settings used, and progress over time. This comprehensive view supports informed decision-making for ongoing or future treatments.

Please fill out the form

Symptom

please select

Body part

please select

NRS score before treatment:

0

1

2

3

4

5

6

7

8

9

10

Painless

Mild

Moderate

Severe

Very Severe

Unbearable

Diagnosis

Please fill in

Doctor:

admin

Confirm

Cancel

Numeric Rating Scale (NRS)

RELIABILITY

A smart investment that lets you achieve more

Durability and Maintenance. Built with high-quality materials, the LGT-2410S is designed to withstand heavy usage in busy clinics. Its maintenance requirements are minimal, ensuring it remains operational without extensive downtime.

Cost-effectiveness. The LGT-2410S is a cost-effective option in the long term due to its durability and low operational costs. Offering localized cryotherapy adds a high-demand service to your portfolio, attracting a broader clientele including athletes, patients with chronic pain, and individuals seeking wellness and beauty treatments.

Safety Features. Equipped with various safety features, including skin temperature monitoring and automatic shutdown if the skin’s temperature drops below the targeted temperature or safe threshold, the LGT-2410S prioritizes patient safety above all.

Variety of Applications. The LGT-2410S can be used for various treatments, from sports injuries and post-surgery recovery to skin conditions and beauty enhancements, maximizing the device’s usage.

Potential Cost Saving

- Reduced Maintenance and Downtime
- Low Running Costs
- Long Useful Life



Potential Revenue Increasing

- Diversification of Services
- Premium Cryotherapy Service Offering
- Quick and Efficient Treatments
- Improved Outcomes
- Variety of Applications
- Novelty and Innovation

Potential Strong ROI



Chronic Pain



Sports Injuries



Muscle Recovery



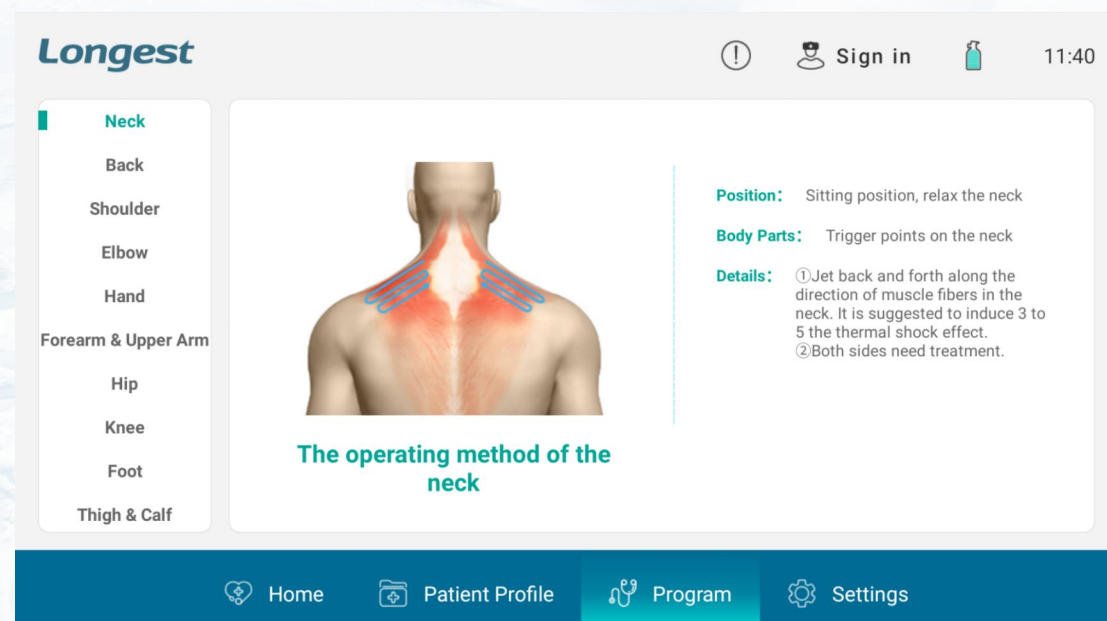
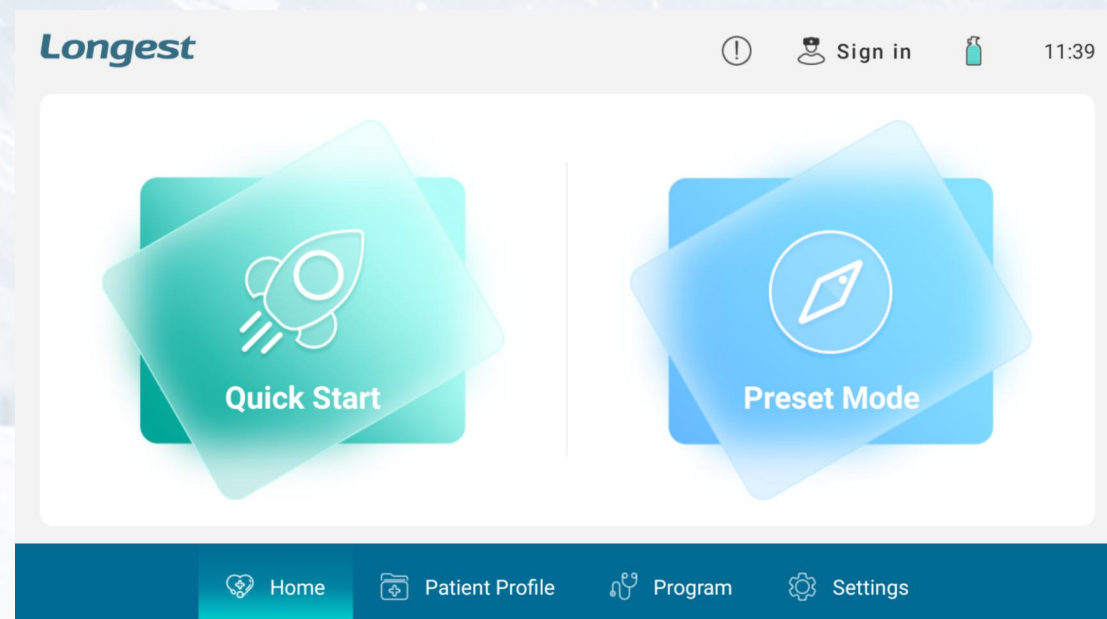
Beauty & Anti-aging



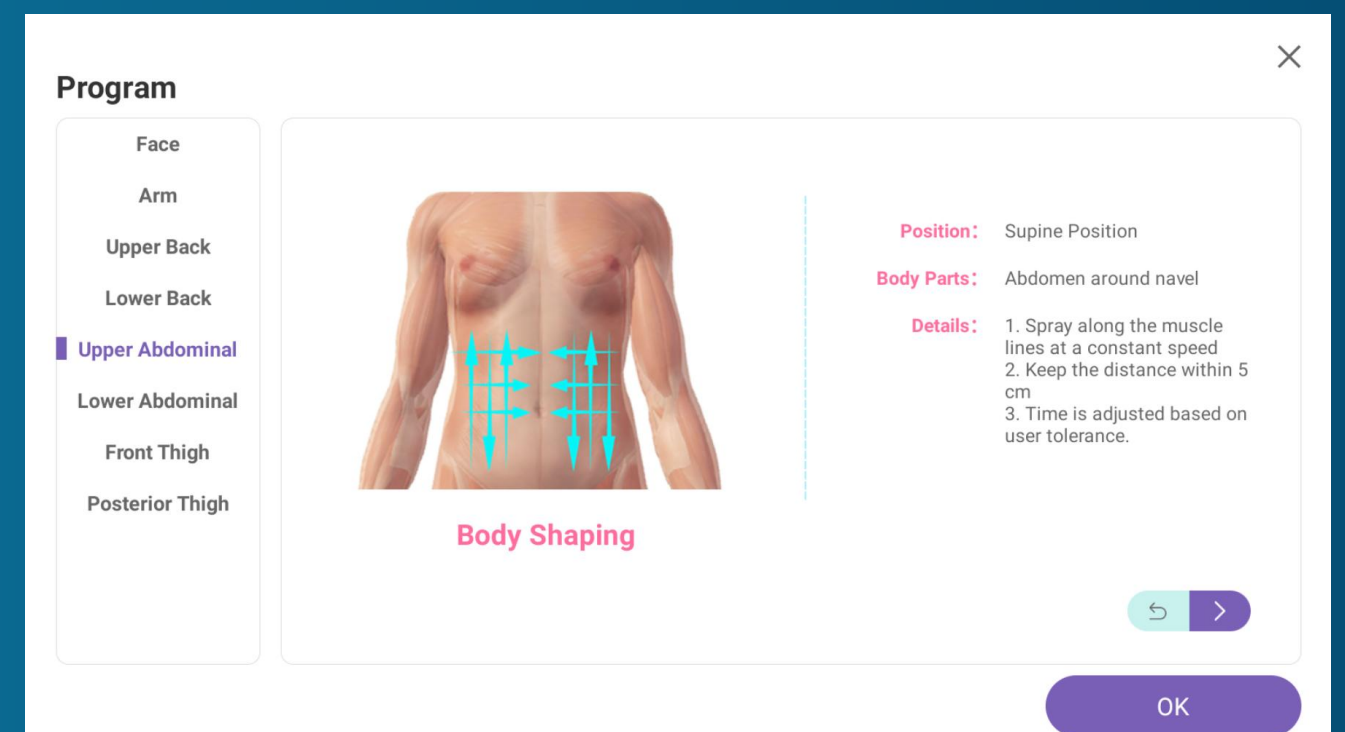
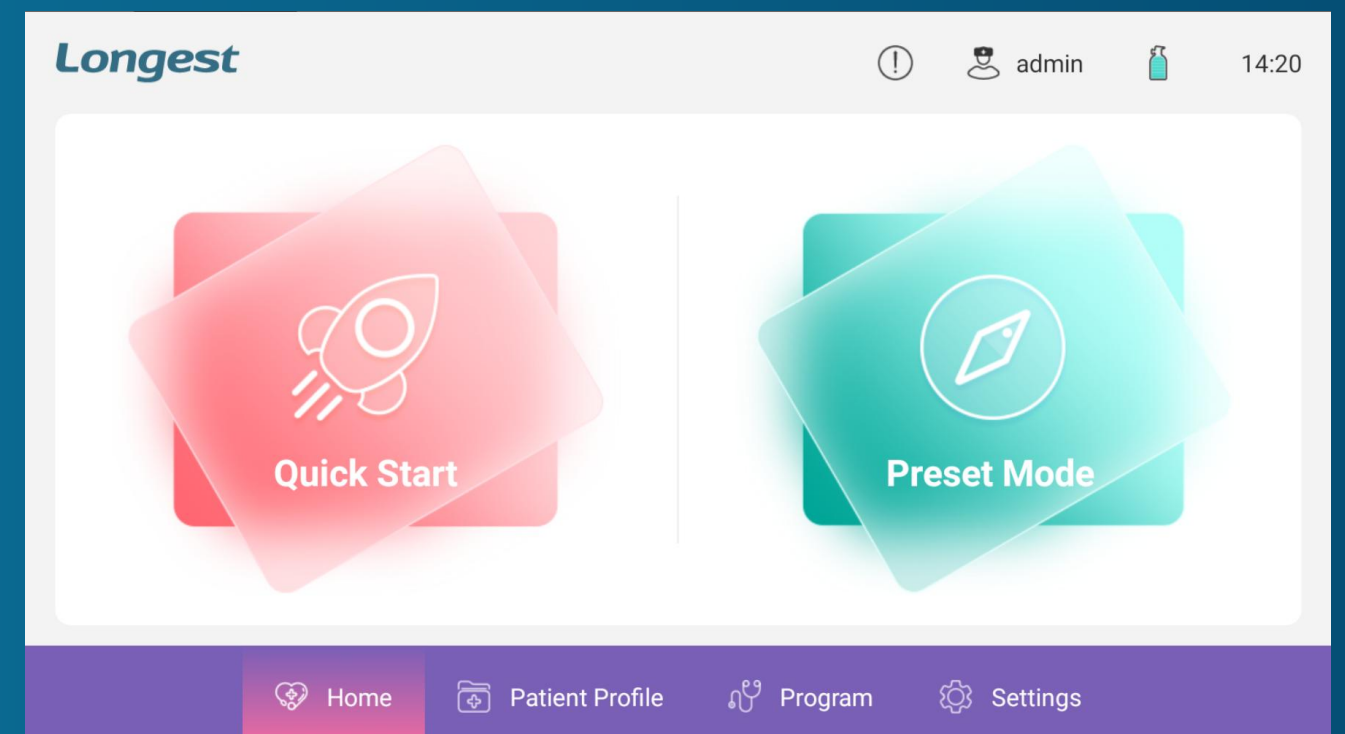
Body Sculpting

DUAL SYSTEM AVAILABLE

LGT-2410S is designed with 3 kinds of software systems according to different application areas, including physiotherapy system, medical aesthetics system, and dual system (with both physiotherapy and medical aesthetics)



Physiotherapy



Medical Aesthetics

TECHNICAL SPECIFICATION

Interface	10.1" color touchscreen
Treatment Duration	1s-10min
Dimensions	40(L) x 48(W) x 125(H)cm
Weight (without cylinder)	29kg
Gas Cylinder Capacity	6/8/10L
Applicator	<ul style="list-style-type: none">● Screw thread G5/8● Monitoring screen● Temperature sensor● LED light● Anti-frosting nozzle
Gas Cylinder Requirement	<ul style="list-style-type: none">● External Diameter < 175mm● Height < 870mm● with a Rising Tube/Siphon● Food-grade CO2
Functions	<ul style="list-style-type: none">● Real-time skin temperature monitoring● Treatment image guidance● Operation guidance● Automatic shut off● Patient database● Data export via USB● Treated area positioning● NRS function● Cylinder capacity monitoring
Temperature	0 °C-15 °C
Temperature Detection	-3 °C-40 °C
Power Supply	AC100-240V, 50/60Hz

EASY TO LEARN, EASY TO OPERATE



Scan the QR code to watch the LGT-2410S operation demonstration video