CoZing®



Model: COZING-C300 LLLT HELMET

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【Warnings and Precautions】

●This product is a low-level laser therapy device, Please read this manual carefully before use.

●Do not stare directly into the laser beam, and do not point the laser at the eyes of people or animals. You must use the dedicated adapter (15V/3A) and Type-C cable provided by our company. Our company assumes no responsibility for any product damage, performance degradation, or safety issues resulting from the use of non-original accessories.

●If you use the portable power bank，the requirements:Fast charging protocol (at least one same protocol must be selected on the motherboard to use) => The motherboard supports PD + QC + AFC + FCP

●This product does not have a built-in lithium battery. It must be connected to a power socket via the external adapter during use.

●The following groups of people are strictly prohibited from using this product:

-Pregnant and breastfeeding women

-Patients diagnosed with or suspected of having cancer (especially in the head area)

-Individuals with hemorrhagic diseases, active scalp infections, ulcers, or traumaIndividuals with

-photosensitivity or those taking photosensitizing medication

-Individuals with severe heart disease or epilepsy

【Product Introduction】

· **Product Name:** Low-Level Laser Hair Growth Helmet

· **Model:** COZING-C300

· **Manufacturer:** Wuhan Cozing Medical Devices Co., Ltd.

· **Therapy Method:** Photobiomodulation Therapy

· **Intended Users:** Suitable for assisting in the treatment of non-cicatricial alopecia such as androgenetic alopecia, telogen effluvium, and alopecia areata in men and women.

【Technical Parameters & Phototherapy Frequency Guide】

Parameter	Specification
Optical Module	
LED Light Source	660 nm Red Light
Number of LEDs	210pcs
Single LED Output Power	30 mW
Laser Light Source	650 nm Laser
Number of Lasers	90 units
Single Laser Output Power	5 mW
Control Parameters	
Frequency Range	1–20,000 Hz Adjustable
Recommended Frequencies	Please see the [Phototherapy Frequency Guide] below
Treatment Duration	0–30 minutes adjustable
Intensity Level	1–10 levels adjustable
Treatment Area	Manual Mode: All / Remote Mode: Front, Back, Middle, All
Power Specifications	
Power Input	Type-C Interface
Adapter Specification	18V, 3A (Must use the original adapter)
Operating Environment	Temperature 5°C~40°C, Relative Humidity ⩽ 80%

【Phototherapy Frequency Guide (Based on Academic Literature & Clinical Practice)】

The efficacy of Low-Level Laser Therapy (LLLT) is closely related to frequency. Different frequencies act through different cellular signaling pathways. The recommended frequencies below are based on a synthesis of European and American academic research and parameters commonly used in LLLT devices aiming to optimize hair growth results.

Parameter	Recommended Frequency	Biological Rationale & Reference Basis
Conventional Hair Growth / Comprehensive Car	10 Hz - 40 Hz	This range has been proven effective in multiple clinical studies for stimulating hair follicles into the anagen (growth) phase. Specifically, 20 Hz and 40 Hz have been used in studies on androgenetic alopecia effectively promoting cellular metabolism and microcirculation.
Anti-inflammatory, Scalp Soothing	5 Hz - 10 Hz	Lower frequencies (especially around 10 Hz) have been shown to have good anti-inflammatory effects, helping to improve hair loss caused by folliculitis or other inflammatory conditions.
Analgesic, Relaxation (Suitable for initial use)	1 Hz - 5 Hz	Very low frequencies mimic "sedative" physiological rhythms, helping users adapt to the treatment, especially suitable for sensitive scalps
Deep Tissue Stimulation / Experimental Application	Above 100 Hz	The penetrability and cellular effects of higher frequencies are still under academic exploration. It is recommended to try under professional guidance if conventional protocols are ineffective.

Default Setting Suggestion: For most hair growth needs, it is recommended to start with 20 Hz or 40 Hz, as these are clinically validated safe and effective ranges.

【Remote Control Introduction】

Before using the remote mode, please familiarize yourself with the remote control buttons:

Button	Primary Function
	Long press for 6 seconds to power On/Off
	Browse and select the previous/next option
	Increase or decrease values (e.g., Intensity, Time, Frequency)
OK	Confirm the current selection or proceed to the next step
	Return to the previous operation interface or cancel the current operation
I (import)	Enter the Protocol Storage or Recall interface
S (Save)	In the storage interface, Save the current protocol
DEL (Delete)	In the protocol list, Delete the selected protocol

Global Control Parameters: Via the remote control, you can fully control Treatment Time , Power Intensity ,Treatment Zone , and Output Frequency.

【Therapy Principle】

This product combines 650nm laser and 660nm LED to form a composite phototherapy system. The 650nm laser has good tissue penetration, effectively stimulating deep hair follicles; the 660nm LED covers a larger scalp area, improving local microcirculation. The two work synergistically:

Stimulates Hair Follicle Activity: Light energy is absorbed by hair follicle cell mitochondria, increasing ATP synthesis and promoting cell metabolism.

Improves Scalp Environment: Promotes blood circulation in the scalp, increasing nutrient supply to hair follicles.

Regulates Hair Follicle Cycle: Helps telogen follicles re-enter the anagen phase, delaying hair loss.

【Therapy Protocol Suggestions】

Based on clinical practice in photobiomodulation therapy, the following conventional therapy protocols are recommended. Users can adjust according to their tolerance and hair growth stage.

【Conventional Hair Growth Course(Suitable for Androgenetic Alopecia, Telogen Effluvium, etc.)】

Stage	Frequency	ingle Session Duration	Suggested Intensity	uggested Wave Frequency	Course Cycle	Notes
Initial Adaptation (Weeks 1-2)	Every other day	15-20 minutes	Level 3-5	10-20 Hz	2 weeks	Low frequency for soothing, allows the scalp to gradually adapt to phototherapy stimulati
Intensive Treatment (Week 3 - 6 Months)	Daily	25-30 minutes	Level 6-8	20-40 Hz	Approx. 6 months	Uses the clinically validated optimal hair growth frequency range to promote hair follicle
Maintenance Consolidation (After 6 Months)	2-3 times per week	20-25 minutes	Level 5-7	10-40 Hz	Long-term	Frequencies within this range can be used alternately to maintain hair follicle health

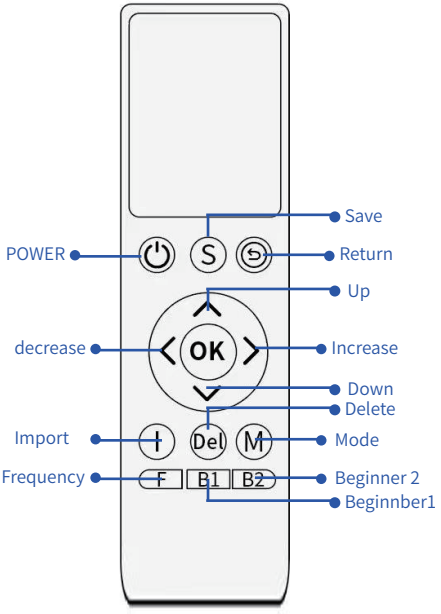
【Treatment Protocol】

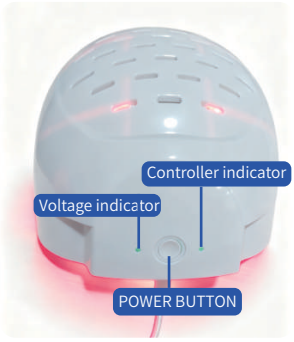
Frequency: Daily
Duration: 20-25 minutes
Intensity: Level 4-6
Wave Frequency: 20 Hz
Note: Use the controller control to precisely select the alopecia areata area for treatment.

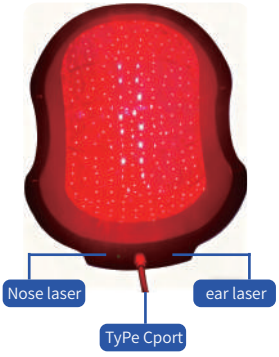
【Usage Suggestions】

Optimal Time: Use in the evening to aid relaxation
Concomitant Care: Ensure the scalp is clean and dry before treatment. A mild hair growth shampoo can be used.
Efficacy Monitoring: It is recommended to take scalp photos monthly under the same lighting conditions to objectively evaluate efficacy.

【Product image:】







【Usage Method】

I. Power Connection

Use the **original adapter (18V/3A) and Type-C cable** provided by our company.

Connect the adapter to a power socket, and connect the other end to the Type-C interface on the helmet.

II. Selection and Control Mode

This product offers two control modes with different functions and permissions. Please choose according to your treatment needs:

Mode 1: Manual Mode (Full Unit On)

Power On: Long press the power key on the helmet for 3 seconds. The left status LED will stay on, and the right signal LED will flash green.

Start Treatment: Click the power key again. All lasers and LEDs will activate simultaneously for full-head treatment.

Characteristics: Simple operation, but cannot select treatment area, frequency, or intensity; uses default settings.

Mode 2: Remote Mode (Zonal & Precise Control)

Preparation & Pairing (Critical Step): Long press the helmet's power key for 3 seconds to power on. Ensure the right signal LED is flashing green. Long press the remote control's power key for 6 seconds to power it on.

After powering on, the remote control will automatically attempt to connect to the helmet. Please wait 3-6 seconds until you hear a "beep" prompt tone, indicating successful pairing between the remote and the helmet.

Important: During the pairing wait period, do not perform any operation on the remote control. Any button press may cause pairing failure.

Quick Operation Mode (First Interface after Successful Pairing):

After successful pairing, you will enter the Remote Control Main Interface (the first operation screen). In this interface, you can directly use the quick keys.

Quick Key Functions:

B1 Key: One-touch access to beginner 1 mode

B2 Key (BEGINNER): One-touch access to beginner 2 mode

F Key: Enter Frequency Adjustment mode.

Short press ❯ / ❮ keys to increase or decrease by 1 Hz each time.

Long press ❯ / ❮ keys to increase or decrease by 10 Hz each time.

M Key: Toggle Output Mode. Press once for Pulse mode, press again to switch to Continuous mode, and so on.

Please Note: All quick keys (B1, B2, F, M) are only effective in the Remote Control Main Interface immediately after successful pairing. After entering other sub-menus, you must return to the Main I-nterface to use them.

Standard Treatment Process:

Use the ^ / v keys to select the Treatment Zone (Front, Back, Middle, All). Press OK to confirm.

Set Time Power Intensity , and other parameters sequentially, pressing OK to confirm each step.

Press the ok key to begin treatment.

Saving and Recalling Personal Protocols:

Saving a Personal Protocol:

While the laser is outputting, press the I key to enter the protocol storage interface.

Use the ^ / v keys to select an empty storage slot (e.g., PROTOCOL 1).

Press the S key. The screen will display "Saved", indicating that all current settings (including Zone, Time, Intensity, Frequency, Output Mode) have been successfully saved.

Recalling a Personal Protocol:

In the Remote Control Main Interface, press the I key.

Use the ∧ / ∨ keys to select a previously saved protocol (e.g., PROTOCOL 1

Press the OK key to confirm. The device will automatically load all settings for that protocol.

You just need to press the Start key to begin treatment.

Deleting a Personal Protocol:

In the Remote Control Main Interface, press the I key to enter the saved protocol list.

Use the ∧ / ∨ keys to select the erroneous or unwanted protocol you wish to delete.

Press the DEL key. The protocol will be deleted immediately.

III. End of Treatment

The device will power off automatically,

or you can manually power it off by long-pressing the power key.

Disconnect the power and store the device in a dry, cool place.

【Contraindications】

Pregnant and breastfeeding women

- Cancer patients (including history of cancer)
- Individuals with hemorrhagic diseases, active infections, or scalp trauma
- Individuals with severe photosensitivity or those using photosensitizing drugs
- Individuals with undiagnosed severe hair loss (please consult a doctor first)

【Maintenance and Storage】

- Do not place the device in high temperature, humid, direct sunlight, strong magnetic fields, or
- near strong microwave fields.
- Clean with a soft cloth. Do not use alcohol or chemical solvents.
- Do not disassemble the device by yourself.

  Store out of reach of children and pets.

【Package List】

Name	Quantity
main unit	1
Wireless Remote Controller	1
Suitcase	1
15V/3A Original Power Adapter	1
Type-C Cable	1
User Manual	1

CE



【Manufacturer Information】

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