Product Introduction of This Session

Eat Well



O-LIVE

Drink Well



Spring Water MAX

Sleep Well



G-1-MAX

Live Well



Skyline



ShakenMassager

Train Well



P90



P90+



Vitality Wand



C-1
Warm care Pad

Otralife

G1 Max
EYE MASSAGER



AI
AI Visualized Sleep-Aid & Eye-Care Device

Otralife

G-ONE Eye-Care



+



A9

Sleep Aid + Purification

G1 Max EYE MASSAGER



AI

AI Visualized Sleep-Aid & Eye-Care Device

Evolution of the Eye-Care Mode

G-ONE



- 7.8Hz PEMF
- Airbag Massage
- Intermittent Vibration Massage
- 42°C Heat Therapy

G1-MAX



Eye-Care Mode

?



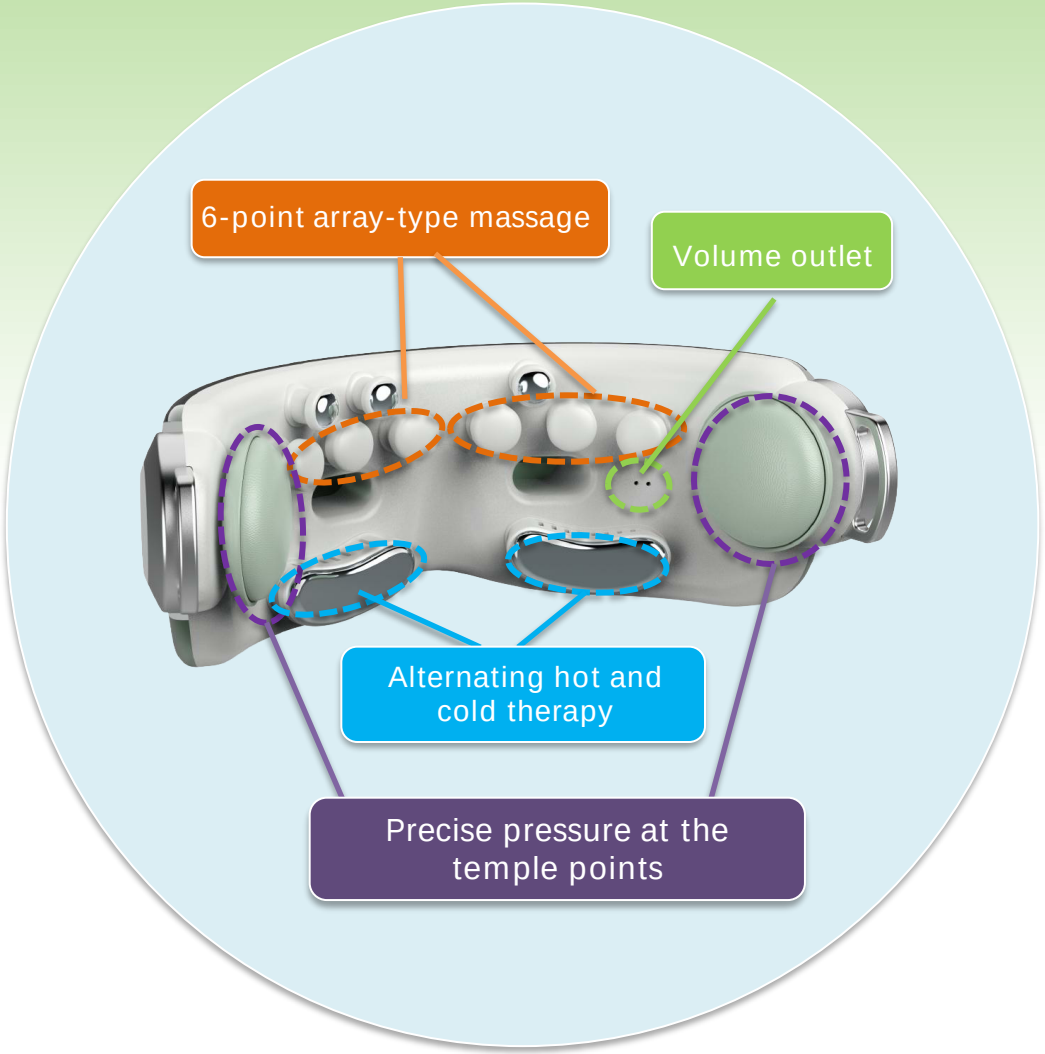
G1-MAX

Eye-Care Mode





① 7.8Hz PEMF
② White Noise
③ Alternating Hot & Cold Therapy
④ Airbag Pressure Massage — Temples
⑤ Array-Type Vibration Massage





G1-MAX

How Does G1-MAX Help With Sleep?

A9

A9's Sleep-Aid Element – Releasing ONIs



Negative Oxygen Ions Improve Sleep Quality

NOI Improve sleep quality

I Increase the secretion of melatonin I improve brain blood circulation
I regulate parasympathetic nervous system

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Effects of negative oxygen ions on sleep quality

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Abstract

This paper aims to investigate the effects of negative oxygen ions on sleep quality. An experiment was held using both subjective and physiological methods on 33 subjects (16 females and 17 males). The subjective assessment on sleep quality was surveyed and the duration of every sleep stage was determined. The results of this experiment indicate that the negative oxygen ions have a significant effect on sleep quality. The subjective results indicate that with negative oxygen ions subjects fell asleep easier, meanwhile, the objective results indicate that the duration of sleep onset latency was shortened and the slow-wave sleep was lengthened. All these results show that negative oxygen ions can improve people's sleep quality.

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Keywords: Negative oxygen ions; Sleep quality; Electroencephalogram (EEG); Subjective questionnaire

Three Features of G1-MAX for Sleep

Precisely collects human brainwaves



More Precise

PEMF frequency variation Helps Enhance the Relaxation Experience



More Effective

AI algorithm intelligently recommends modes



Smarter

Otralife

G1-MAX Sleep-Aid Feature 1

Precisely Collects Human Brainwaves

More Precise

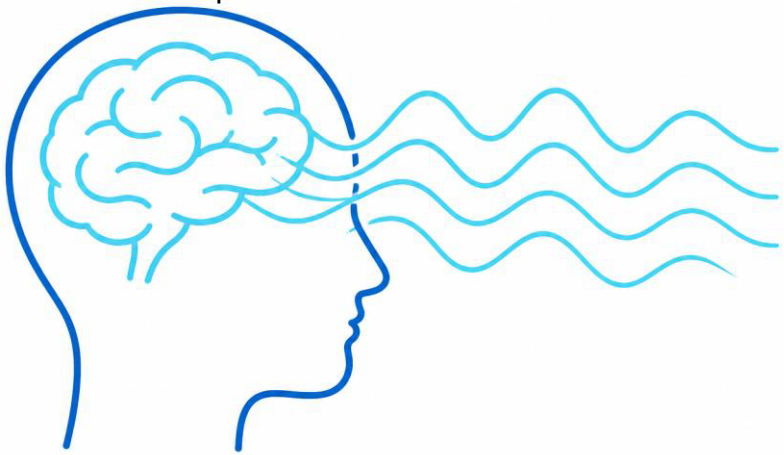


How Does It Collect Brainwaves?

Brainwaves: Concept, Classification & Collection

Brainwaves

- Brainwaves are bioelectrical signals generated by the synchronized activity of neurons in the brain. They can be recorded through scalp electrodes using an EEG (electroencephalogram), producing periodic waveform patterns.
- Different states of wakefulness, relaxation and sleep produce brainwaves at different frequencies. They are classified as: γ (Gamma) waves, β (Beta) waves, α (Alpha) waves, θ (Theta) waves, δ (Delta) waves
- All frequency bands coexist throughout the process. The frequency band with the highest signal proportion represents the brain's dominant state at that particular time.



Electrodes capture brainwaves



- Three high-sensitivity electrode points
- The forehead as an effective sensing area
- Gentle contact, Simple operation, Non-invasive measurement

See Your Own Brainwaves

Converting Brainwave Signals into Dynamic Electronic Images



- **Visualized Brainwaves**
  Through the dedicated App, users can see the brain's bioelectrical activity on their smartphone at any time.
- **Lightweight Monitoring Tool**
  Can be used anywhere, breaking the limitations of conventional professional equipment and fixed-use environments.
- **Data Visualization Design**
  Uses line charts to present information in an intuitive and easy-to-understand format.

Otralive-App



G1-MAX 2

G1-MAX Sleep Support Feature 2

PEMF frequency variation Helps Enhance the Relaxation Experience

More Effective

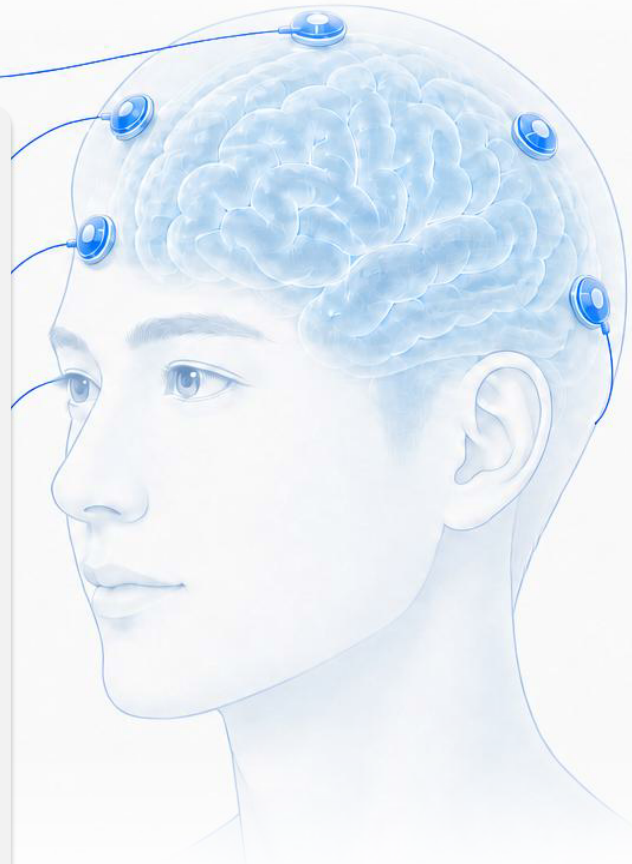


How Does It help?

Brainwaves Before and During Sleep

How Brainwaves Change Before and During Sleep β→ α → θ → δ

Brainwave	β: Awake & Active	α: Relaxed & Calm	θ: Drowsy & Dreamlike	δ: Deep Sleep
Frequency	12 ~ 30 Hz	8 ~ 12 Hz	4 ~ 8 Hz	0.5 ~ 4 Hz
Status	Awake, focused, mentally active	Relaxed, calm, light meditation	Drowsy, light sleep, dreamlike	Deep slow-wave sleep
Mean-ing	The brain is highly active, processing logic, conversation, problem-solving and other forms of mental activity. Prolonged high-beta activity is associated in the presentation with feeling tense, stressed and having difficulty falling asleep.	Associated with physical and mental relaxation. Alpha activity represents a transitional state between wakefulness and sleep.	A pre-sleep state in which fragmented imagery and wandering thoughts may occur. People experiencing difficulty falling asleep may remain in this state for an extended period.	Associated with deep slow-wave sleep and the body's restorative processes, including physical recovery, immune function, growth hormone secretion and memory consolidation.



Otralife



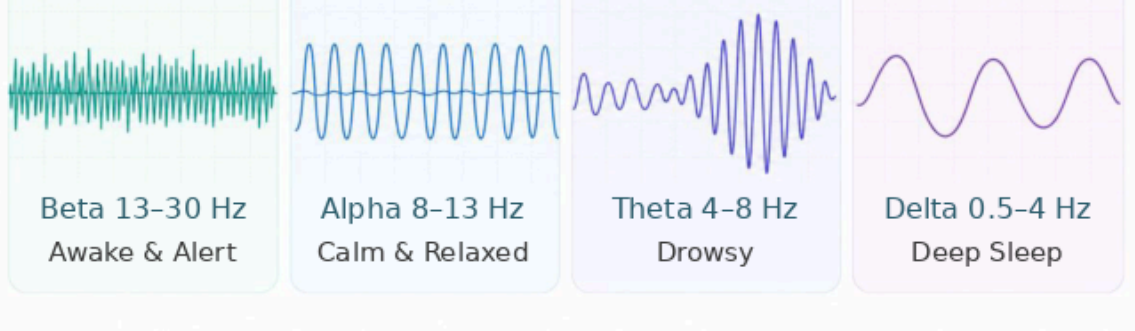
G1-MAX Brainwave Guidance Technology

G1 Max EYE MASSAGER

Variable-Frequency PEMF + Rhythmic Vibration & Airbag Massage + Rhythmic White Noise

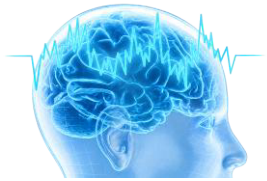
Designed to Shorten the Transition from Beta β→ Alphaα → Thetaθ

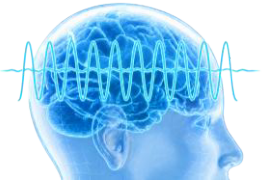
Steps: Awake-Drowsy-Deep Sleep



How Variable-Frequency PEMF Guides Brainwave Activity







G-1 MAX

Initial PEMF Setting at 6-10Hz: Gradually varying frequency

Before falling asleep, the brain is typically in a more active Beta state (12–30 Hz).

① Frequency-Following Response: When the brain is exposed to PEMF frequencies within the Alpha and Theta ranges, neuronal activity may gradually adjust toward the applied frequency.

② Neurotransmitter Regulation: The presentation proposes that Alpha-range PEMF may influence neurotransmitter activity, including serotonin, supporting relaxation while reducing Beta activity and increasing Alpha activity.

③ Autonomic Nervous System Effects: Alpha-range PEMF may increase parasympathetic activity, helping shift the body from a sympathetic, activated state toward a more relaxed parasympathetic state.

④ Effects on Cell Membrane Potential: PEMF-generated electromagnetic fields may induce microcurrents in biological tissue, influencing ion-channel activity and supporting a shift toward Alpha-wave activity.

From: Alert Beta Waves 12–30 Hz

Toward: Relaxed Alpha Waves 8–12 Hz

Reference:
Rahbek, M. T., Tritsaris, K., & Dissing, S. (2019). Transcranial low-frequency pulsed electromagnetic fields modulate alpha band oscillations and cortical excitability. Bioelectromagnetics, 40(4), 241–252.

Night

Sleep Support Mode



① EEG Brainwave Monitoring

② Variable-Frequency PEMF

③ Variable White Noise

④ Dynamic Airbag Massage

⑤ Dynamic Vibration Massage

⑥ Heat Therapy



Otralife

G1 Max
EYE MASSAGER



The Brain's Rhythm Navigator

Magnetic, Motion & Sound — Working Together to Guide Brainwave Activity

Variable-Frequency PEMF + Rhythmic Vibration & Airbag Massage + Rhythmic White Noise

Sleep Smarter. Visualize Your Sleep. Wake Up Refreshed.



Feature — Wake-Up Mode

Why Is It Sometimes Difficult to Wake Up?

- Waking involves a gradual transition: Delta → Theta → Alpha → Beta. Hence the brain cannot instantly switch from deep sleep to full alertness.
- The presentation states that the brain's transition into the awake Beta state can be delayed, meaning cognitive activity may take time to fully recover.
- Immediately after waking, sleep-related slow-wave activity may still be present while overall cortical activation remains relatively low. This can contribute to sleep inertia — the groggy, sluggish feeling experienced immediately after waking.



Reverse PEMF Guidance: From Sleep to Alertness



Brainwave Before Waking

Residual Delta and Theta activity may continue to suppress the emergence of stronger Beta activity.



G1-MAX

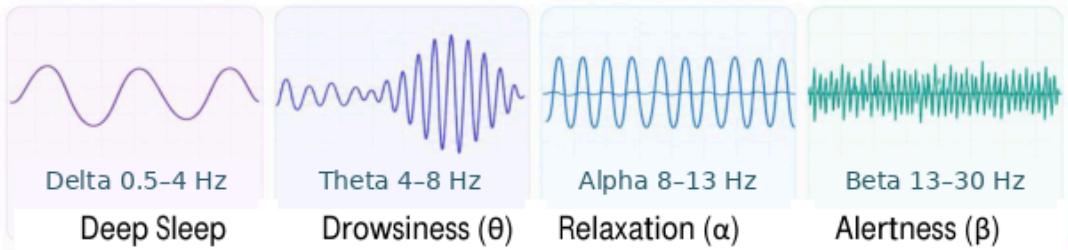
PEMF setting: 15–20 Hz

Low-Arousal State (θ)

↓

Greater Alertness (β)





Deep Sleep (δ) → Drowsiness (θ) → Relaxation (α) → Alertness (β)

Fast Wake-Up: Cooling Therapy

More Than Cooling — A Sensory Wake-Up

Activating Cold-Sensitive Pathways

Cold stimulation activates TRPM8, a cold-sensitive receptor located on sensory nerve endings in the face, generating a strong sensory signal.

Rapid Trigeminal Signaling

These signals travel through the trigeminal nerve toward the brainstem.The presentation describes this pathway as particularly rapid compared with stimulation of the limbs.

Activating the Brain's Arousal System

cold stimulation can activate the reticular activating system (RAS) and increase signaling associated with alertness

Helping Reduce Morning Puffiness

Cold exposure causes blood vessels to constrict, potentially reducing fluid leakage and swelling.After the cooling stimulus is removed, increased blood flow may support circulation and metabolic activity.



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Morning



Wake-Up Mode

① EEG Brainwave Monitoring

② PEMF

③ White Noise

④ Airbag Massage

⑤ High-Intensity Vibration Massage

⑥ Cooling Therapy

Start Your Morning with a More Energizing Wake-Up Routine

Multiple Built-in Modes —— All-Day Brain Management

Wake-Up

Wake-up mode

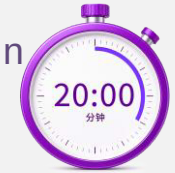


① EEG brainwave acquisition
② PEMF
③ White noise & music
④ Airbag pressure massage
⑤ Vibration massage (HF)
⑥ Cold therapy



Daytime Thinking

Meditation Mode



① EEG brainwave acquisition
② PEMF
③ White noise & music
④ Airbag pressure massage
⑤ Hot therapy



Daytime Eye-Care

Eye-Care Mode



① EEG brainwave acquisition
② 7.8Hz PEMF
③ White noise & music
④ Airbag pressure massage
⑤ Vibration massage
⑥ Alternating therapy



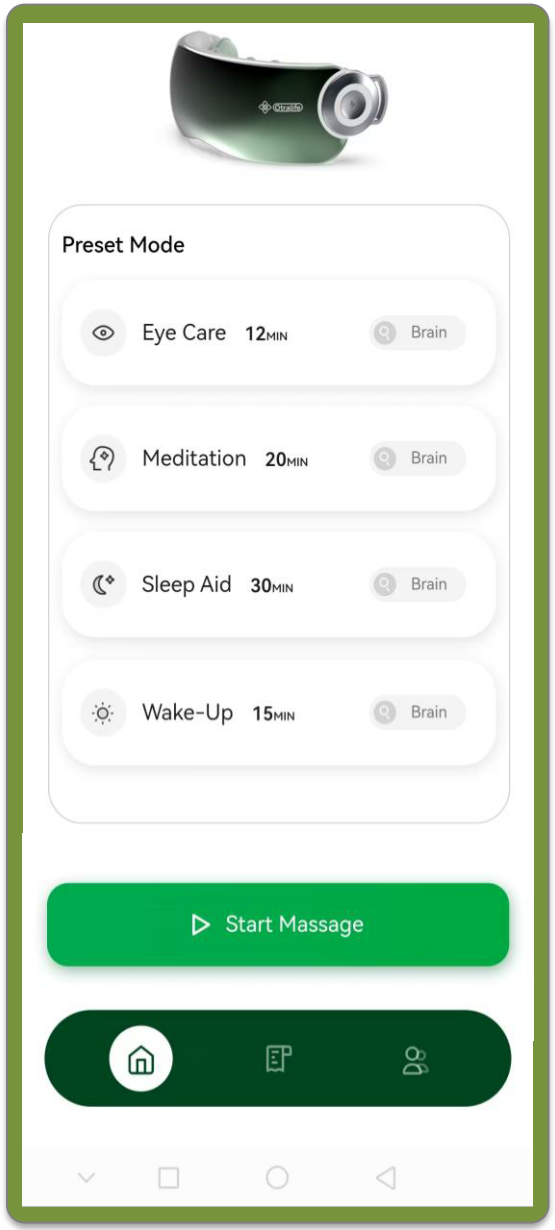
Night

Sleep-Aid Mode



① EEG brainwave acquisition
② PEMF
③ White noise & music
④ Airbag pressure massage
⑤ Vibration massage
⑥ Hot therapy





Freely Customizable Modes



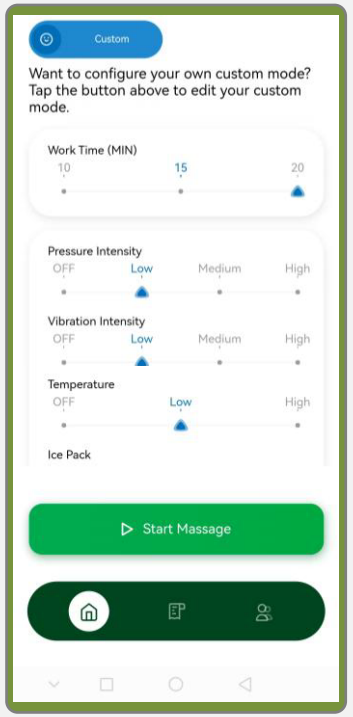
App Custom Mode

Adjustable Duration

Airbag pressure adjustment

Vibration intensity adjustment

Temperature adjustment





Otralive-App

WHAT A LOOP!
FROM ELECTRON TO CELL

Two-way Human-device Communication- Breaking the One-way Care Model

wears the device

User

Sleep Aid Mode I
Wake-Up Mode
Meditation Mode I
Eye-Care Mode

G1 Max EYE MASSAGER

Collects EEG data and outputs focus and relaxation levels



Outputs corresponding operating mode

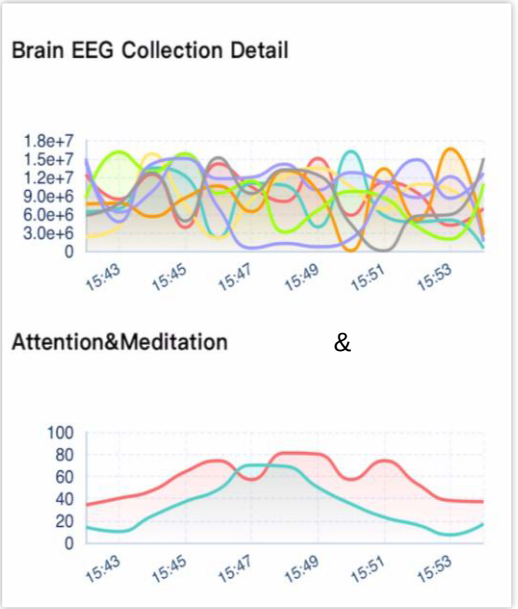
Sends data

Otralive

OtraliveApp
(data analysis)

Sends commands for smart recommendations

•Attention: Reflects the level of mental attention. The higher the value, the more focused you are and the better you resist distractions.
•Meditation: Reflects how relaxed your body and mind are. The higher the value, the more relaxed you feel—ideal for stress relief and falling asleep.



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G1 Max EYE MASSAGER

Integrated Technologies & Benefits

Sleep-Aid | Wake-Up | Meditation | Eye-Care



PEMF

Offers “bio-charging” to eye cells, activates mitochondrial energy production, and enhances cell membrane potential. This makes periocular cells stronger and more active, accelerating microcirculation, boosting ocular metabolism, and relieving cellular fatigue and aging.

Vibration massage

Stimulates interstitial fluid flow through mechanical micro-vibration, promotes oxygen exchange, and helps remove cellular metabolic waste. It also relaxes the ciliary muscle and orbicularis oculi, reducing compression-related cellular hypoxia.。

White noise

Soothes nervous tension and lowers cortisol levels, indirectly reducing oxidative stress damage to eye cells and creating a stable neuroendocrine environment for cellular repair.

Airbag massage

Adopts rhythmic air pressure changes to simulate massage-like mechanical force, promoting lymphatic return and venous drainage, reducing interstitial fluid retention, improving extracellular matrix permeability, and helping nutrients penetrate deeper cells.

Cold & hot therapy

Cold therapy: constricts capillaries, reduces cellular edema and inflammation, lowers cellular metabolic oxygen demand, relieves acute congestion, and protects cells from excessive heat damage.。
Hot therapy: dilates blood vessels, increases blood flow, enhances cellular oxygen and nutrient delivery, accelerates metabolic waste clearance, softens meibomian gland lipids, improves tear film quality, and indirectly nourishes corneal epithelial cells.
Alternating therapy: leverages temperature differences to stimulate vasodilation and vasoconstriction, strengthening microcirculation, accelerating ocular metabolic waste removal, reducing edema, and enhancing cellular self-repair.

3 Features of G1-MAX Sleep-Aid

Precisely collects human brainwaves

More Precise

PEMF frequency variation Helps Enhance the Relaxation Experience

More Effective

AI algorithm intelligently recommends modes

Smarter

Optimized Details for an Enhanced User Experience



	GALAXY G-ONE 	G1 Max EYE MASSAGER 
Device control	2 switches (one on each side) support power on/off, mode selection, language selection, and mute.	➢ Button control (same as G-ONE) ➢ Otralive App control
External visibility	Visible; multiple holes provided	Visible; mirror-finish panel structure
Material & cleaning	Synthetic leather; do not clean with alcohol	Liquid silicone combined with stainless steel; wear-resistant and alcohol-resistant
Voice prompt	Chinese & English	8 languages: Chinese, English, French, Korean, Japanese, Thai, Indonesian, and Spanish
Strap flexibility	Adjustable length; non-detachable, not washable	Adjustable length; detachable and washable

Target Users & Use Cases

People who struggle to wake up



Power On
Start you're a new day efficiently in the first biological light of the morning

People with low focus in high-pressure workspace



Charging
Boost α wave activity
Stay alert and efficient

People needing quick relief through short naps



Soothing
Hydrate the eye area and release tension and fatigue

People with difficulty falling asleep & poor sleep quality



Power Off
Gently guide you into sleep

Frequent business travelers



Calming
Ease travel fatigue on long journeys

Good Morning | Good Afternoon | Good Night

Care for Those Who Need Special Care

Adolescent Students



Cause: High academic pressure, constant mental tension, and a brain that struggles to switch off.

Risk: Sleep deprivation, reduced focus, and impaired memory, physical and mental development.

Pregnant Women



Cause: Hormonal fluctuations, physical discomfort from carrying extra weight, emotional sensitivity, and frequent tossing and turning.

Risk: Chronic insomnia can trigger anxiety and harm both maternal health and fetal development.

Menopausal Individuals



Cause: Estrogen changes, hot flashes, night sweats, and autonomic nervous system dysfunction.

Risk: Fragmented sleep, irritability, and accelerated physical decline.

Elder Adults



Cause: Reduced melatonin secretion, lighter sleep, and disrupted circadian rhythms.

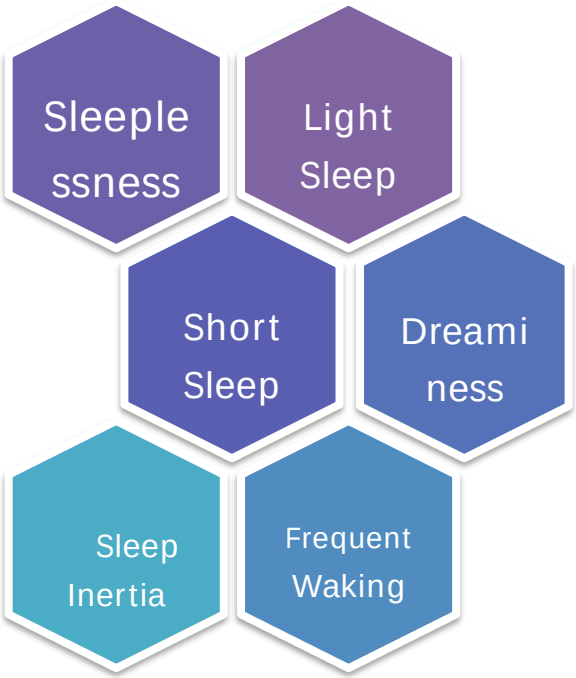
Risk: Lack of deep sleep, weakened immunity, and increased cardiovascular and cerebrovascular burden.

People Suffering From Sleep Difficulties

80

35%

Up to 35% of the world's 8 billion people are suffering from different sleep difficulties



Do you sleep well?



/References

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Cell Health Maintenance

Train

P90
P90+
Vitality wand

Live

Shaken Massager
Skyline

Drink

Spring Water

Eat

O-live



WHAT A LOOP!
FROM ELECTRON TO CELL

Five-dimensional Holography of Cell Health Maintenance

