

INBE  
INBO

GOOD SLEEP DETERMINES YOUR DAILY HEALTH.

ALWAYS BE WITH



# znie

This new Sleep care device is inspired from 'Neurofeedback' Therapy. Without side effects, provide quality sleep pattern and mind and body rest.

Znie is totally differ from ordinary sleep care device such as white noise or meditation devices. It is 'All-new' safety and reliability brainwave syntonization sleep care device.

## # Stress

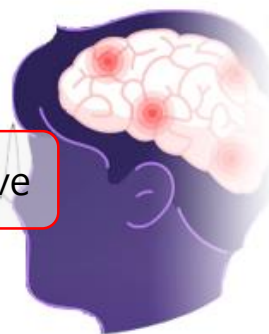
#Lifestyle disease

## #Anxiety

Unstable & Fast brainwave

#Light pollution

## #Gloom

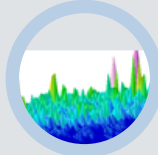





Calm brainwave

- Quality sleep
- Fast asleep
- Mind & body rest
- Biorhythms

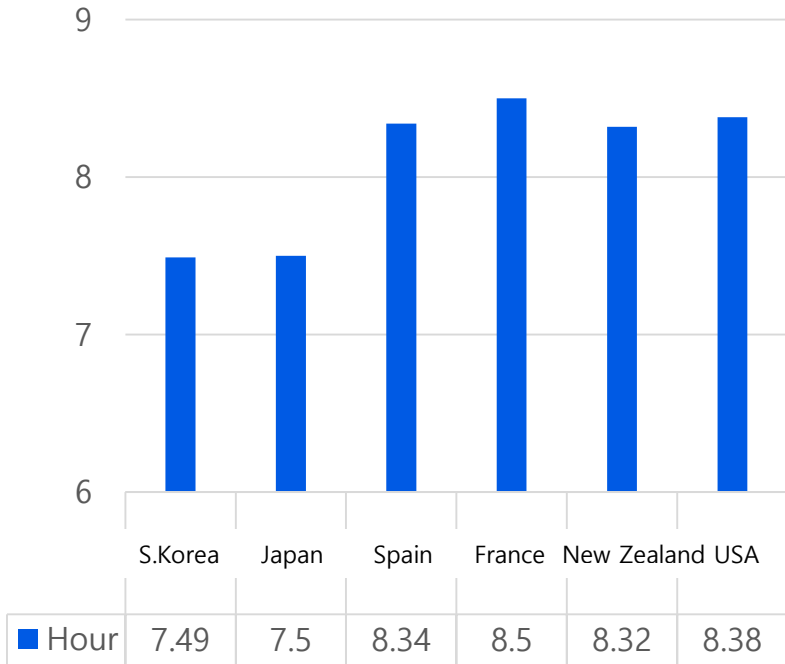
Znie's extremely Low frequency(ELF) and color therapy will soothe user's high brain waves. Znie is helpful to fall asleep and improvement of sleeping quality.



<i>Extremely Low Frequency</i>	<i>Color Therapy</i>	<i>Analog nostalgia design</i>	<i>App</i>
			
<ul style="list-style-type: none"><li>-Sleeping/Morning mode</li><li>-Relaxing care</li><li>-Color Therapy</li><li>-Study(Concentration) care</li></ul>	<ul style="list-style-type: none"><li>-Music / Movie/ Video game</li><li>-Meditation/ Deep sleep/ Emotions</li><li>-Diet</li><li>-Customizing</li></ul>	<ul style="list-style-type: none"><li>-Analog emotional design</li><li>-LED Color control</li><li>-LED bright control</li></ul>	<ul style="list-style-type: none"><li>-BlueTooth connect</li><li>-znie app for smartphone</li><li>-Wake-up call</li><li>-Sleep interruption factor recording</li><li>-Collect statistics per each mode</li></ul>
01	02	03	04

znie will meets customer's wellness needs as a smart sleep care device.

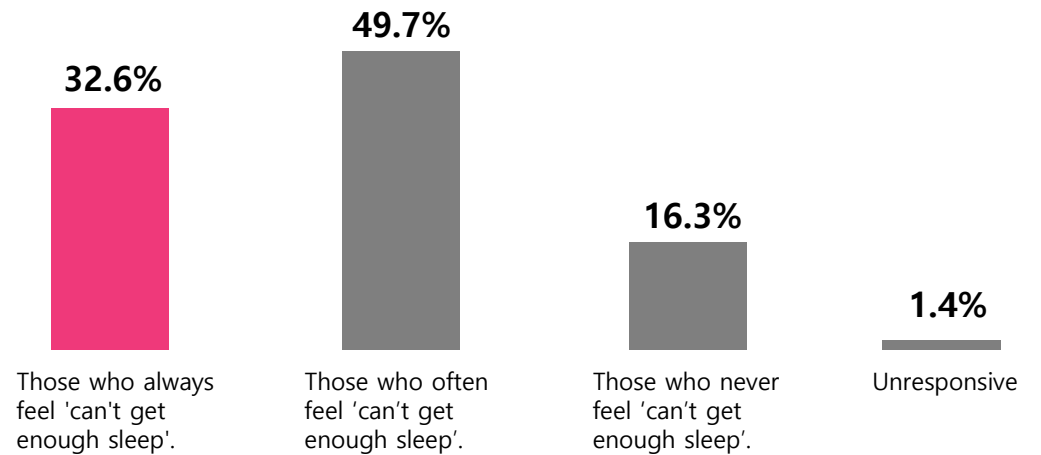
The most sleepless country among OECD : South Korea



[Reference] Financial times

One in three people said, "I always feel like I can't sleep sufficiently."  
One in four has sleep disorders almost every day, due to stress and financial problems.  
One in two, if it helps sleep well, I'm willing to pay their budget.  
One out of two people would like to purchase it if they can help a good sleep

### Average sleep time deficiency

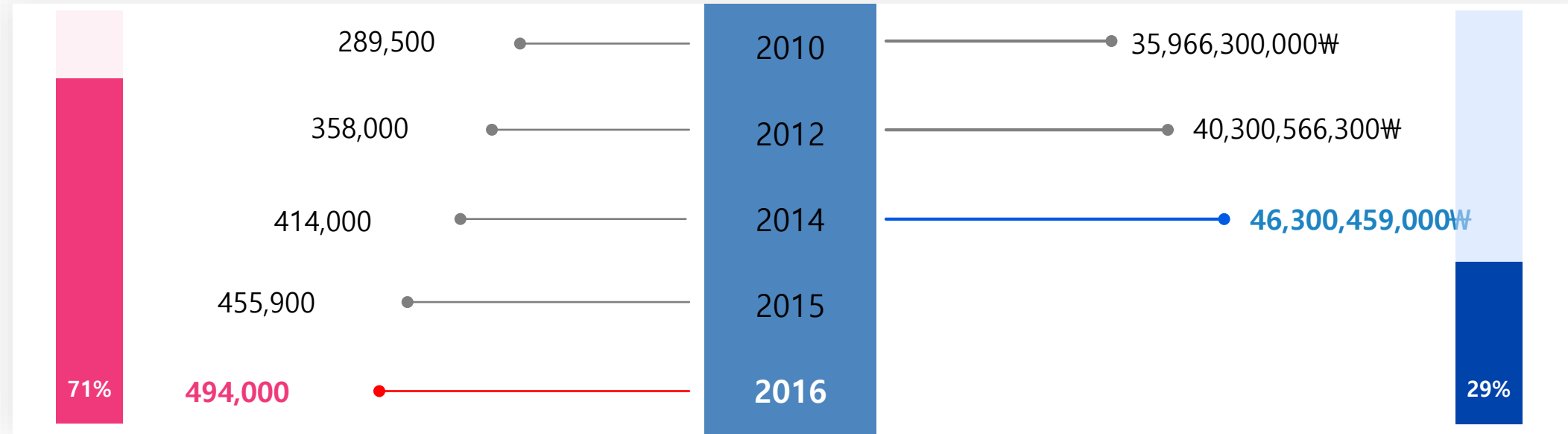


# Development background



The number of people treated for sleep disorders

The increase in total medical expenses related to sleep disorders.



**[Reference]**  
Health Insurance Review & Assessment Service

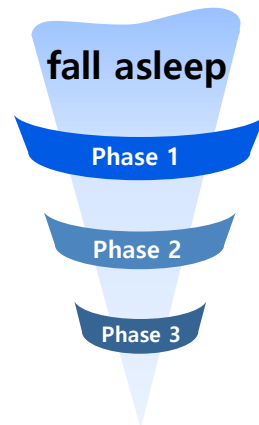
**[Reference]** National Health Insurance Service

Last 5 years of 'Korea Sleep Disorder' an average increase of 8.1% **[Reference]** National Health Insurance Service

## Technical development 1

Much correlation exist between insomnia and brain waves. When a person is active or has a special mental activity, in other words, the more the brain is activated, the smaller, faster, and irregular high-frequency forms appear. On the other hand, the less the brain is activated, the larger and slower the brain waves appear. Honey IT uses unique antenna matching technology that combines specific frequencies of theta waves that lead to sleep and our own extreme low frequency. This core technology enables user to stabilize and synchronize brain waves through a non-contact method for better falling a sleep quickly .

In addition, Zini's Morning has another feature that helps user to have active wake-up in the morning.



### Phase of sleep

During sleep, the brains repeat shallow and deep sleep.  
During this cycle, memories can be stored to long term memories..

- 1**
  - A phase of feel drowsy
  - 4~8Hz Theta wave
  - Enter 10 sec ~ 40 min of sleep
- 2**
  - Second phase is deeper than first phase of sleep. But still have intermittent cognitive faculty.
  - 12Hz~14Hz Sleep spindle
  - Go through this phase for 30 ~ 40 min
- 3**
  - Slow-wave Sleep
  - Maintain lowest heart rate and oxygen consumption levels of the day.
  - 1Hz Delta wave
  - Usually enter this phase about 50 minutes after sleep.

**It will help you fall asleep + Good and deep sleep = Maintain immunity for users.**

Technical development 2



**Color therapy is a way of treating a our body and mind by the LED wavelength and energy of color.**

Color therapy provides positive energy for us by chosen color depending on the individual's mood or health condition.

It can provide positive effect from balanced & harmonized body, emotion and feeling.

Although, it's not a treatment through medicine or surgery, an aid to calm our mind, give comfort, and help to overcome insomnia yourself.

Refresh with Znie, improvement efficiency with Znie.

Technical development 3

znie



Bluetooth 4.0



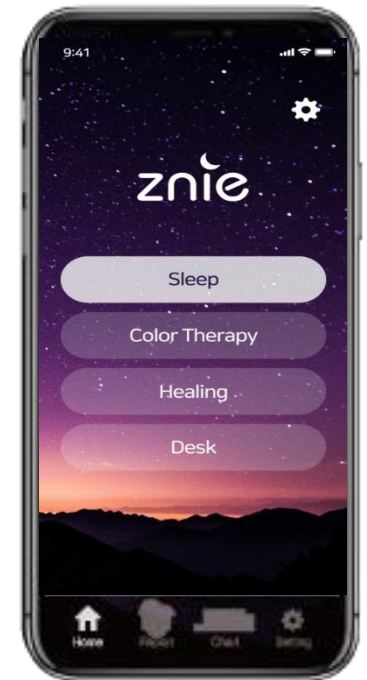
Applications



iOS



Android



znie provides user convenience with znie's application





Get cozy sleep through sleep frequency  
and color therapy.  
And have a exuberant day with Znie's  
morning care function.



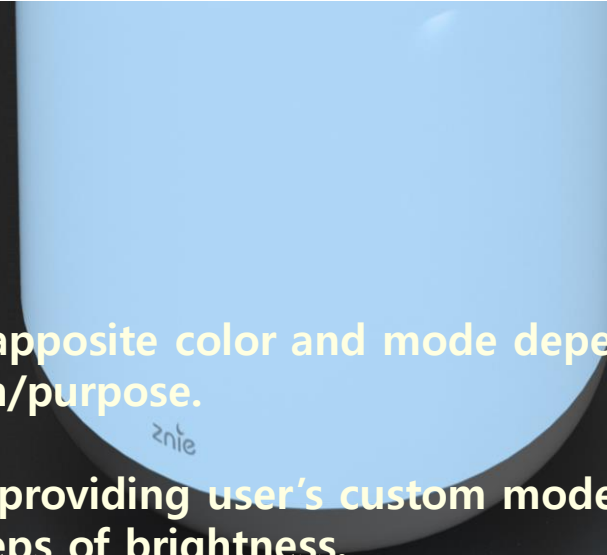
Color Therapy



Provide apposite color and mode depending on user's condition/purpose.

Znie are providing user's custom mode with 1.6 Million colors and 9 steps of brightness.

If use color therapy as a natural light color and brightness, It may help to quality sleep by melatonin control.

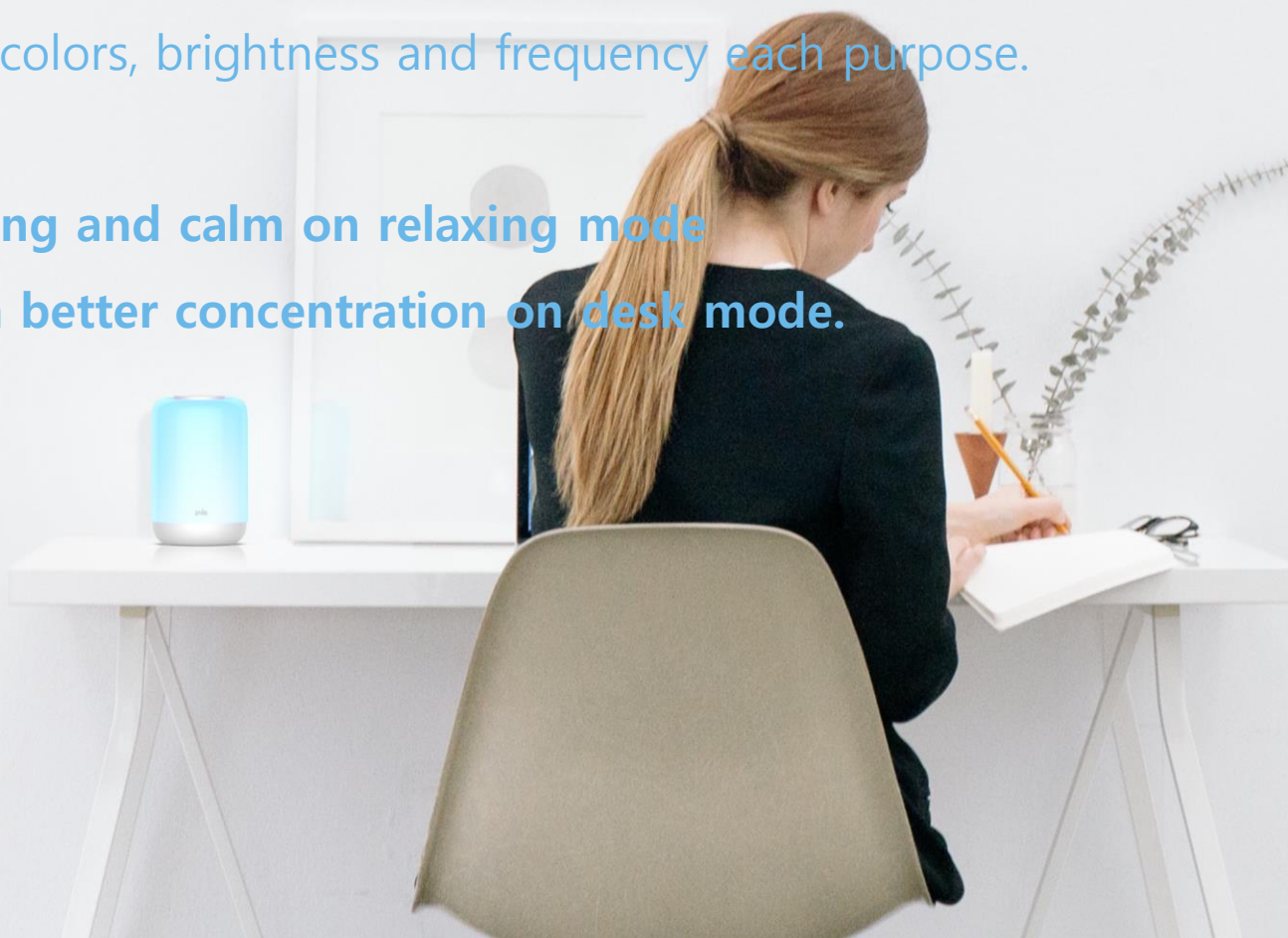


### Healing & Desk

Relaxing and Desk mode help to enhance best brain condition with optimized colors, brightness and frequency each purpose.

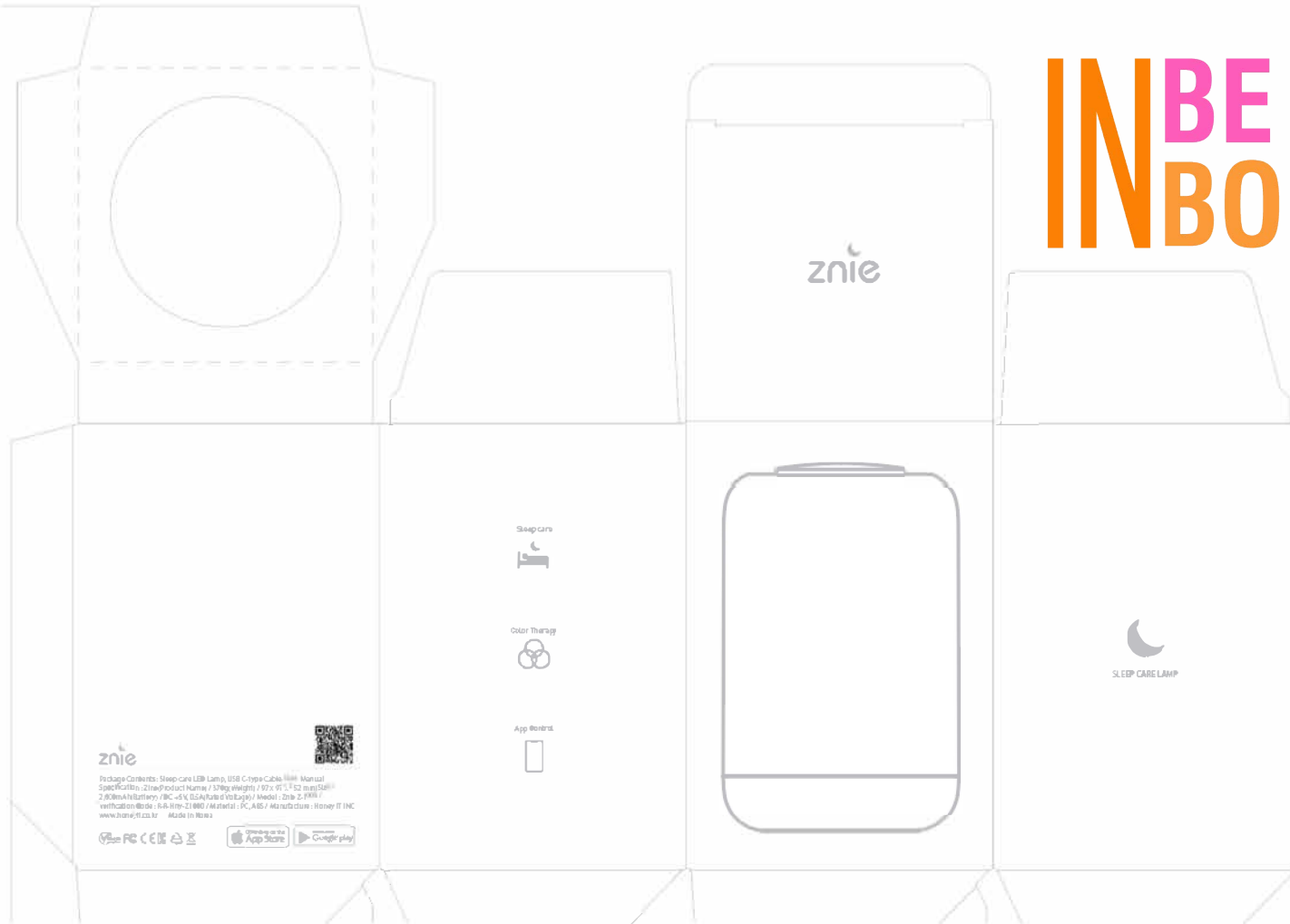
**#Provide relaxing and calm on relaxing mode**

**#Provide much better concentration on desk mode.**



# Image of Giftbox

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