

DREAMWEAVER



BUILT-IN BLUETOOTH NOISE-CANCELLING HEADPHONES

DETACHABLE COTTON STRAP, SOFT AND BREATHABLE

VOLUME BUTTONS FOR EASE OF ACCESS AND UNINTERRUPTED SLEEP

METAL DISC ELECTRODES ON EITHER SIDE: RECORD BRAIN ACTIVITY DURING SLEEP

LED'S WITH CUSTOMIZABLE LIGHT PATTERNS

✔ SMART SENSING

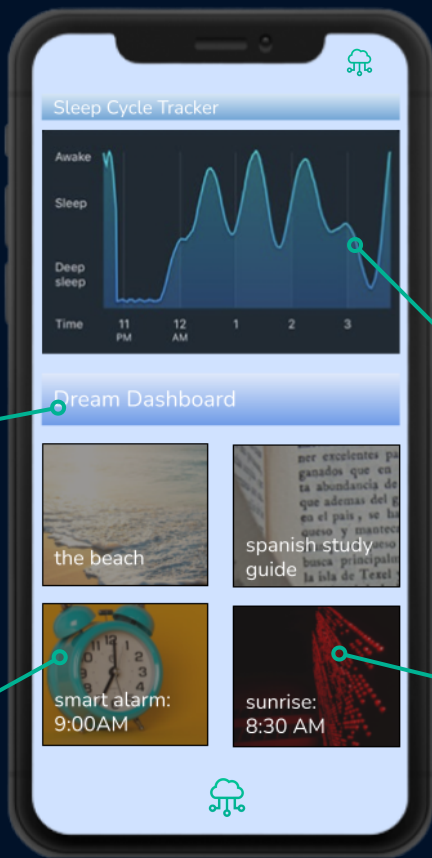
EEG electrodes and accelerometer for high accuracy brain and motion sensing.

✔ AUDIO-VISUAL STIMULI

RGB LED's with customizable light patterns. Automatic volume control according to sleep phase.

✔ HEADBAND

Lightweight, washable cotton strap. Soft fabric for maximum comfort.



DREAM DASHBOARD WITH
CUSTOMIZABLE AUDIO AND VISUAL
TRIGGERS

SMART ALARM TRACKS SLEEP
CYCLES AND WAKES UP USER
DURING OPTIMAL SLEEP PHASE

SLEEP CYCLE TRACKER, BASED ON
BIOFEEDBACK FROM EEG
ELECTRODES

LED'S CAN SIMULATE SUNRISE FOR
PEACEFUL WAKE-UP

DreamWeaver Manifesto

The DreamWeaver headset is a biofeedback device that creates a hyper-personalized sleep experience so that users will feel well-rested and relaxed in the morning. DreamWeaver detects REM Sleep – the phase in which we dream – and triggers individualized stimuli accordingly. Main functions of the DreamWeaver headset include the SmartAlarm and faster and better quality sleep. DreamWeaver can be bought for \$300, a one-time buy for a lifetime of good sleep.

Main functionalities:

- **EEG Tech:** DreamWeaver employs EEG (electroencephalography) technology, which records electrical activity in the brain through electrodes placed along the scalp. EEG is far more accurate than any existing sleep tracker application. While there already exist many smartphone apps that attempt to track sleep phases, none of them use brainwave data. Instead they rely on the accelerometer in phones to detect movement. This has its limitations and relies partly on guesswork.
- **Bluetooth Audio:** DreamWeaver has bluetooth headphones built into the headset, which adjust volume automatically according to the sleep phase reported by EEG sensors. Users may select their preferred audio from the pre-loaded instrumental, nature, and water tones included in the DreamWeaver app.
- **RGB LEDs:** Visual triggers — able to stimulate sunrise, sunset, and any other visual environments according to sleep phase.
- **Smart alarm:** DreamWeaver has an incredibly advanced smart alarm feature that wakes the user gradually with simulated sunlight and sounds at the light stage of the user's sleep cycle, so the user wakes up refreshed every morning.
- **DreamWeaver App:** Intuitive user interface for the headset – users can choose audio and visual stimulants, as well as plan alarms and track their sleep schedule.

Dreamweaver promotes flourishing by helping users fall asleep naturally in an immersive environment that induces sleep, and by intelligently adjusting visual cues, music and volume according to sleep stages. Because DreamWeaver tracks the sleep stages of the wearer and delivers sensory (auditory and visual) signals based on these stages, people can choose to dream about a particular subject or fall asleep in a particular environment.

Dreams and getting a good night's sleep are vital for optimal health and happiness. Some of the most serious potential problems associated with chronic sleep deprivation and bad sleep quality are high blood pressure, diabetes, heart attack, heart failure or stroke. DreamWeaver aims to limit these problems by providing quality sleep, and can help with insomnia and other sleep disorders.