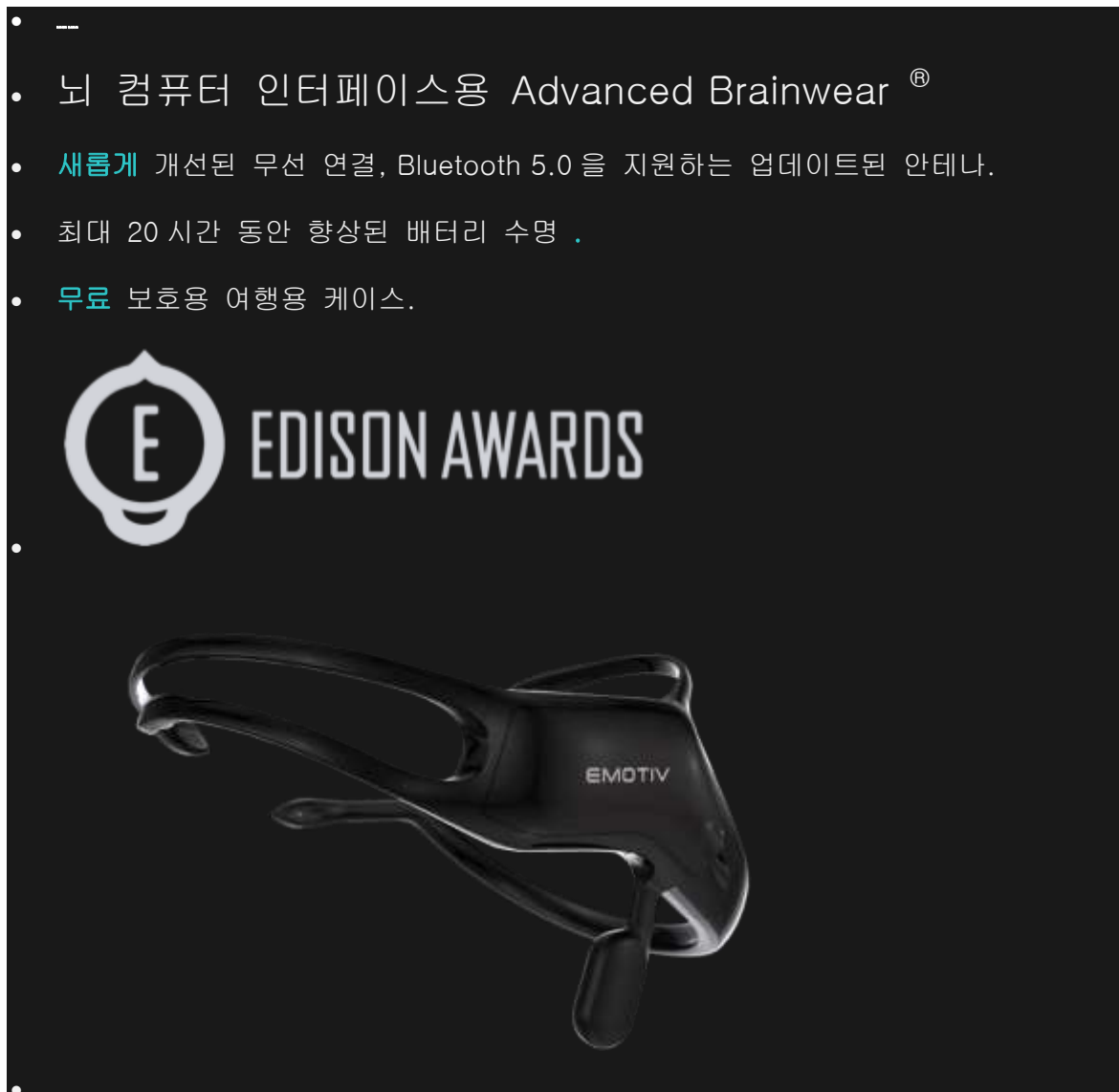


## Emotiv Insight 2 (5 Channel)

### NEW FEATURES:

- Improved radio connectivity, updated antenna with Bluetooth 5 support.
- Improved battery life for up to 20hrs.
- Includes Protective Travel Case.



- 뇌 컴퓨터 인터페이스(BCI)용으로 설계된 EMOTIV Insight 는 언제 어디서나 깨끗하고 강력한 신호를 생성하도록 완전히 최적화된 고급 전자 장치를 자랑합니다.

## • Specification

- EEG sensors
  - **5 channels:** AF3, AF4, T7, T8, Pz
  - **2 references:** CMS/DRL references on left mastoid process
  - **New three prong gummy sensor:** for better hair penetration on Pz
  - **Sensor material:** Hydrophilic semi-dry polymer
- Connectivity
  - **Wireless:** Bluetooth Low Energy – Improved radio connectivity, updated antenna with Bluetooth 5 support.
- EEG signals
  - **Sampling rate:** 128 samples per second per channel
  - **Resolution:** 16 bits with 1 LSB = 0.1275 $\mu$ V
  - **Frequency response:** 0.5-43Hz, digital notch filters at 50Hz and 60Hz
  - **Filtering:** Built in digital 5th order Sinc filter
  - **Dynamic range (input referred):** 8400  $\mu$ V(pp)
  - **Coupling mode:** AC coupled
- Motion sensors
  - **IMU part:** ICM-20948
  - **Accelerometer:** 3-axis +/-8g
  - **Gyroscope:** 3-axis +/-2000 dps (converted to 4 normalised quaternions)
  - **Magnetometer:** 3-axis +/- 12 gauss
  - **Sampling rate:** 32 Hz
  - **Resolution:** 16 bits
- Power
  - **Battery:** Internal Lithium Polymer battery 480mAh
  - **Battery life:** Improve battery life up to 20hrs on a single charge.
- Detections\*\*
  - **Mental commands:** neutral + up to 4 pretrained items per training profile
  - **Performance metrics:** Excitement, Engagement, Relaxation, Interest, Stress, Focus
  - **Facial Expressions:** Blink, Wink L/R, Surprise, Frown, Smile, Clench
  - \*\* access subject to [license](#). Raw EEG also available



- 5 채널 뇌파
- 전체 뇌 감지



- 최소 설정 시간
- 단 1-2 분



- 반건식 폴리머 센서
- 사용하기 쉽고 두꺼운 모발을 통해 침투



- 무선 연결
- PC 및 모바일 장치(BT5)



- 충전식
- 최대 20 시간의 배터리 수명



- 9축 모션 센서
- 머리 움직임 감지