



 Bluetooth



Bone Conduction Type
Helmet Hands-free
(Blue)



Speaker Type
Helmet Hands-free
(Orange)



Speaker Type



Bone Conduction



Loud Sound



Protection Hearing



Sweat Resistant



Easy to attach & Detach



Bluetooth Wireless Communications w/ Qualcomm IC Chip



Motorcycle Helmet

Cycleclear

 Bluetooth

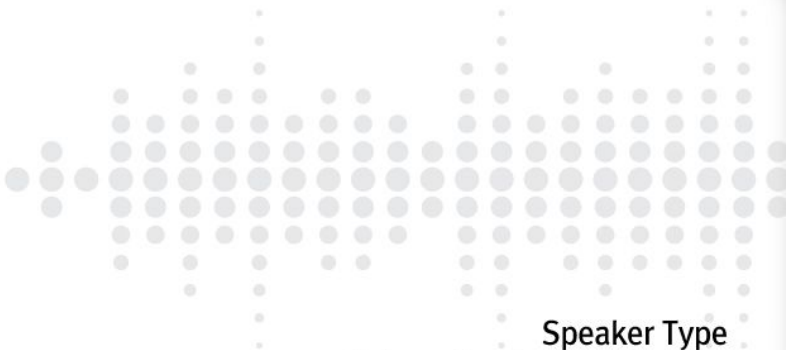
Bone Conduction Type
Helmet Hands-free (Blue)

The way to hear the sound through the vibration of the helmet by the bone conduction unit.



Speaker Type
Helmet Hands-free (Orange)

The way to hear the sound through the speaker attached inside of the helmet.



• Introduction of Bone Conduction Type and Speaker Type



Blue

Bone Conduction Type Helmet Hands-free

1. Using the bone conduction system, users can hear external sound at the same time.
2. Easy attachment and detachment by cradle structure.
3. Simple and convenient button touch.
4. NO pressure pain even when wearing for a long time.



Orange

Speaker Type Helmet Hands-free

1. The built-in speaker realizes the rich sound.
2. Easy attachment and detachment by cradle structure.
3. Simple and convenient button touch
4. Easy installation of the microphone and speaker at a time.



• Our Patents and Designs

Our Patents and Designs

- ✓ Patent registration for the hair band type bone conduction audible device (May, 2015)
- ✓ Patent registration for the hat hanger type bone conduction headphone (May, 2016)
- ✓ Patent registration for the helmet type bone conduction headphone (July, 2017)
- ✓ Design registration for the bone conduction headphone (August, 2017)
- ✓ Trademark registration for Cyclear (May, 2018)
- ✓ Design registration for a new headphone (August, 2017)

Domestic / International Standards Certification

- ✓ KC Standard Certification (July, 2017)
- ✓ CE Standard Certification (August, 2017)
- ✓ FCC Standard Certification (October, 2017)

* Product features and design are subject to change without prior notice for quality advancement.



- **Smartphone and the Bone Conduction Hands-free are connected through the Bluetooth, enabling phone calls and music playback.**

1. Small and lightweight helmet headset type.
2. Connection to a smartphone through the Wireless Bluetooth. (Distance: 10 m)
3. Music playback and phone calls are available through the bone conduction unit.
4. Easy attachment and detachment to/from the helmet.
5. No pressure pain even when wearing for a long time.



- **Bone Conduction Technology**

In general, we listen to the sound through the eardrum, but our key technique is to vibrate the skull through the bone conduction to listen to the sound. While users can still hear external sound at the same time through the ears, ensuring the safety.

- **Sound Hearing Method**

Air Conduction Type and Bone Conduction Type

Air Conduction Type

Air Conduction Type allows the sound to be transmitted to the inner ear through the eardrum.

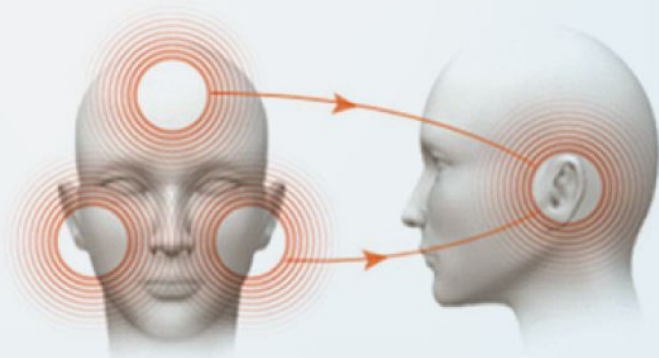
- **Bone Conduction Sound Transduction**
BONE CONDUCTION TRANSDUCER

Working Principle

In case of commonly used air conduction type speaker, the vibration plate operates when the current is supplied. This vibration plate changes surrounding air pressure to transmit the sound. In terms of BCT, the vibration unit operates due to the change of magnetic field when the current is supplied. If the vibration unit is contacted with a solid surface, the sound stimulates the auditory nerve of the skull through the solid transduction method to transmit the sound.

Bone Conduction Type

Bone Conduction Type allows the sound to be transmitted to the cochlear canal, auditory nerve and to the brain.



※ Exterior or specifications of products are subject to change without notice for performance improvement.

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