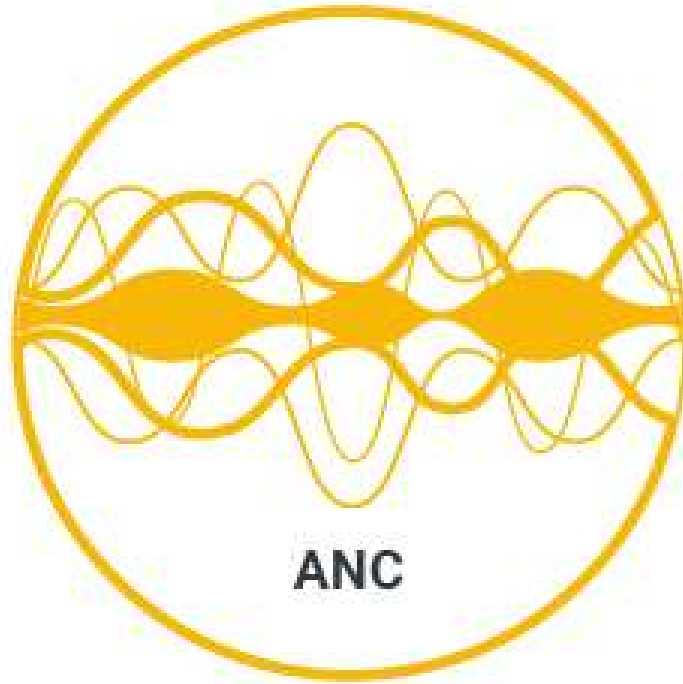


Headphones & Earbuds (<https://www.majority.co.uk/headphones-earbuds/>)

Active Noise Cancellation: What is it and Why do I need it?

MARCH 10, 2023([HTTPS://WWW.MAJORITY.CO.UK/2023/03/10/](https://www.majority.co.uk/2023/03/10/))

Active Noise Cancellation (ANC) uses advanced technology to eliminate up to 90% of noise from your environment. It detects and analyses the sound pattern of incoming noise and generates a mirror “anti-noise” signal to cancel it out. Whether you’re on a bus, aeroplane or even at the office, using the Majority Tru 2 superior technology, it’ll be just you and your audio.



Active noise cancellation (ANC) is a popular technology used in headphones, earbuds, and other audio devices. Designed to reduce unwanted ambient sounds by creating an “anti-noise” signal that cancels out the incoming noise, this technology is particularly a must-have for people who work or travel in noisy environments. Alternatively, if you want to tune out your surroundings and zone into your chosen sound, ANC is the device you can’t live without!

How Does Active Noise Cancellation Work?

Active noise cancellation works by using microphones to detect incoming noise and then creating an opposite sound wave to cancel it out. The technology relies on a concept known as destructive interference, which occurs when two waves of equal amplitude, but opposite phases cancel each other out.

In ANC headphones, for example, a microphone picks up external sounds and sends the signal to an ANC chip. The chip then generates a sound wave with the opposite amplitude and phase, which is fed back into the headphones. This creates a new sound wave that effectively cancels out the incoming noise, resulting in a quieter listening experience.

What’s in it for me?

Enhanced Sound Quality

By reducing background noise, ANC audio technology offers the next level of sound. With less ambient sound to compete with, you can enjoy a more immersive listening experience to experience realms of your audio that you would’ve been missing due to external sound.

Improved Concentration

A dream come true for people in busy environments, allow your focus to operate at peak capacity in noisy environments. Whether you're working in a freelancer trying to meet your deadline in a packed coffee shop or working in a loud office, ANC is on hand to eliminate the distractions and allow you to concentrate on your work.

A good night's sleep

By blocking out external sounds, ANC Earbuds allow light sleepers to enjoy a more peaceful sleeping environment and improve your quality of rest.

Perfect for audio on the go

Without a wire in sight, they're designed for the active audiophile or the busy music enthusiasts. Whether you need to listen to a podcast before a big meeting, answer a phone call while you run errands or tune into the latest Taylor Swift album while you run through central Cambridge, Active was built for the lifestyle that doesn't sit still.

Hearing Safety

Regular exposure to loud noises can cause permanent hearing damage over time. ANC Earbuds can help protect your ears by reducing the amount of sound that reaches your ears by reducing the amount of sound that reaches your ears, especially in noisy environments like concerts or sports events.

On the other hand...

While ANC packs a punch to reduce background noise, it's not perfect and does have limitations. It can be less effective at cancelling out certain types of noise such as high-pitched sounds like sirens or whistles. ANC can also be less effective in windy environments or in situations where there are sudden changes in noise levels.

Final Thoughts

Overall, active noise cancellation is an incredibly useful technology for the modern listener to greatly enhance your listening experience. Whether you live in a loud house share and want some peace and quiet or need to concentrate in a noisy office, ANC offers the yellow brick road to immersive listening.

I'm in!

Since we launched in 2012, Majority has been focused on high-quality at an affordable price and branching out to Wireless Earbuds is no exception. We've launched our debut pair of ANC Earbuds alongside our TWS Earbuds for the audio enthusiast line tuning into everything from audiobooks to classical music in a loud environment such as aeroplanes and busy city centres.

Majority Tru 2 Hybrid Active Noise Cancellation Wireless Earbuds



Experience innovative sound technology, powerful stereo sound, and advanced Bluetooth 5.2 connectivity with the Majority Tru 2 ANC Hybrid Wireless Earbuds (<https://www.majority.co.uk/headphones/tru-anc-earbuds/>). Allowing the listener to eliminate up to 90% of ambient noise, turn off the outside world and focus on everything from playlists to podcasts. The lightweight earbuds weighing only 3.8g, with an accompanying charging case, are the audio essential for any audio buff. Additionally, with a built-in microphone and 10mins charging for 2 hours of playback, the Majority Tru 2 are for the busy audiophile. Holding an IPX7 Waterproof rating, the Majority Tru 2 can be submerged in up to 1m of water for up to 30 minutes. So, whether you've been caught in a surprise rain shower on a work call, or it's been an intense afternoon at the gym, no need to worry about the occasional splash of water coming your way- the Majority Tru 2 can be used in any environment!

Majority Tru 2 (<https://www.majority.co.uk/headphones/tru-anc-earbuds/>) is available in the UK, Germany, France, Italy and Spain.

Tell us what you think about ANC. Don't forget to tag us on social media with @majorityaudio #ancearbuds #majoritytru2

Explore more from Majority

(<https://www.majority.co.uk/headphones-earbuds/tws-what-is-it-and-why-do-i-need-it/>)

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