

Shut out loud neighbours for good! Scientists reveal window which reduces noise pollution by 50%

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Scientists have created a window that reduces noise pollution by 50% (Rex/posed by model)

Noisy neighbours could be something you don't have to worry about any more as scientists have developed technology to drastically reduce loud noises.

Researchers at Nanyang Technological University (NTU) in Singapore have created a device that is able to reduce noise pollution by as much as 50%.

The device, that is designed to be mounted onto windows, can cut down noise even when windows are wide open, according to the team at the university.



The window may make it unnecessary to have earplugs at night to stop your sleep being disturbed (Rex/posed by model)

Using 'active noise control' technology that is usually found in high-end headphones, the device uses a special sound-emitting mechanism that is hooked up to a processing unit.

Any noise that is detected is combatted with 'anti-noise' sound waves that results in a softer sound, according to NTU.

Professor Gan Woon Seng, who led the research, told [The Straits Times](#): 'Our innovation not only computes the right amount and type of "anti-noise" to emit, but also does it faster than noise can reach inside the building.'

Prof Gan said that while double glazing is effective in reducing noise, people would have to shut their windows to notice the effects.

He added: 'Our objective is to reduce noise pollution while keeping windows open, and reduce the need for air-conditioning.'

The researchers are hoping to make the technology available within three years.