

Enhanced Noise Suppression



ADVANCES TO NOISE SUPPRESSION

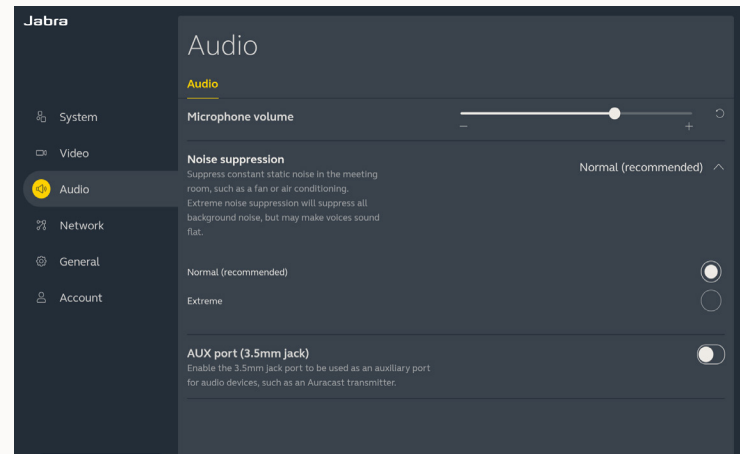
The advancement of Non-Speech Noise Suppression (NSNS) technology marks a significant milestone in audio processing, offering enhanced transient noise suppression and an improvement over traditional static noise reduction methods. This innovative approach utilizes deep learning algorithms to differentiate between speech and non-speech elements within an audio signal, ensuring clarity and intelligibility of speech even in noisy environments. The development of such technologies reflects Jabra's ongoing commitment to improving communication quality in various use cases.

ENHANCED NOISE SUPPRESSION ON PANACAST 50 VBS

Introduced in Value Pack 1.1 for the PanaCast 50 VBS and available for the PanaCast 55 VBS, PanaCast 40 VBS, and PanaCast U30, this feature enhances the existing noise suppression feature within the setting option called Extreme noise suppression. The update in this technology isolates and eliminates background noises that can distract and disrupt the flow of conversation, such as paper rustling or keyboard typing, allowing for a more focused and productive meeting experience. It ensures that the speaker's voice is transmitted without distractions, reducing misunderstandings and the need for repetition, leading to increased productivity.

The new algorithm is an enhancement to our previous Extreme noise suppression, which already handled some static noises such as an HVAC system. Now, we take it a step further to distinguish between speech and non-speech sounds. It's important to note that the Normal noise suppression mode will still remain, which addresses noise reduction and echo cancellation. The Normal setting may suffice for many conference rooms. However, there may be a need for certain conference rooms to enable Extreme noise suppression; for example, meeting rooms close to busy roads and traffic areas or classrooms with people typing notes or flipping through pages. IT admins can test each setting and change it as needed.

Noise suppression setting from PanaCast touch controller:



NOISE SUPPRESSION SETTINGS ON PANACAST CONTROL

By default, PanaCast video bars will run Normal noise suppression. Navigate to the admin settings, then tap Audio on the left-hand menu. Expand the Noise Suppression section to switch it to Extreme, if needed. This can also be done through the WebConsole.

It is recommended to take several factors into consideration when determining which noise suppression setting to use, such as the service provider and room acoustics. For example, both Zoom and Microsoft have a form of their own noise suppression functionalities, so deciding on Normal versus Extreme for a conference room may depend on how it pairs with your service provider as some may have a bigger impact than others.