Headset testing with Dragon speech recognition software.

Tested by Viva Voce Speech Recognition Solutions

Headset Name	**EPOS IMPACT 860 ANC (Active noise-cancelling earphones)**
SKU and link	SKU 1001177 Buy EPOS Impact 800 ANC Series Corded Headset - Simply Headsets
Corded or wireless USB connection	Corded USB-C with USB-A adapter included
Comments on microphone quality, Dragon error rate etc Performance in quiet environment	This corded headset microphone with active noise-cancelling earphones performed very well with Dragon in a quiet environment. Recognition accuracy rate 100% (i.e. no recognition errors when reading the set passage of text we use for testing).
Performance in standard office noise	When using this headset microphone with Dragon in a noisy environment there was some reduction in recognition accuracy, but results were still impressive. Recognition accuracy rate 98.77% (i.e. an average of 1.23 recognition errors per 100 words)
Microphone rating 1-5	In a quiet environment: ★★★★★ In a noisy environment: ★★★★★
Comments on comfort, wearability & functionality	The headset is comfortable, though it is on the heavy side (headset weighs 189g), so might not be suitable for those who prefer a lighter headset for general comfort or for health reasons (e.g. those with neck issues). Headsets with active noise-cancelling earphones are generally on the heavy side, as the earphones need to cover the ear.
Other comments (are there any reports that Dragon gives eg how hard the app is having to work / objective measures)	This headset is recommended for Dragon users who require a high-quality microphone *and* active noise-cancelling earphones. Note that where Dragon is concerned, it is all about the quality of the microphone. However, some Dragon users prefer a headset that also has active noise-cancelling earphones, so the user hears less background noise.
How we test microphones with Dragon	We test recognition accuracy with Dragon by reading a set passage of text, with and without background noise. We then count the number of recognition errors, to calculate the recognition accuracy rate. We test on a user profile that has not been developed (i.e. no vocabulary added, no corrections), to ensure consistency when testing different microphones. We can't guarantee that you will achieve exactly the same level of recognition accuracy because this can be affected by other factors including the extent to which your Dragon profile has been customised, clarity of speech and computer specs.
Test date	March 2024