



Turn up the quiet



Dell Premier Wireless ANC Headset | **WL7024**





Exceptional excellence in communication

This premium headset features AI-based noise cancellation technology with Adaptive Active Noise Cancellation. Its advanced smart sensor technology anticipates your needs, ensuring high-quality and seamless interactions every time. Elevate your communication experience with the world's most intelligent wireless headset in its class*, where excellence meets every conversation.



Crystal clear audio

Immerse yourself in conversations with dual-directional AI-based noise cancellation technology and Adaptive active noise cancellation technology for uninterrupted clarity in any environment.



Purposefully designed

Crafted for all-day comfort, this premium over-the-ear headset boasts an adjustable leatherette headband, replaceable ear cushions¹, and an intelligent boomless microphone that allows you to communicate effortlessly.



Seamless collaboration experience

Certified for Microsoft Teams (Open Office) and Zoom, this headset ensures secure pairing² with Dell Pair³, personalized settings with Dell Peripheral Manager or Dell Audio⁴, and comes with a 3-year Limited Hardware warranty and Advanced Exchange Service.⁵

* Based on internal analysis of publicly available data, July 2023

¹ Replacement ear cushions sold separately.

² Based on Dell Analysis, October 2022. For more details visit Guide to Bluetooth Security <https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-121r2-upd1.pdf>

³ Dell Pair is available with select accessories, commercial & consumer PCs; availability and functionality vary by model. For more details visit [Dell.com/support/kbdoc/000201693](https://dell.com/support/kbdoc/000201693)

⁴ Dell Audio app is compatible with Android 11 and above, and iOS 14 and above. This app may not be available in your location. Please check availability in the app store.

⁵ Advanced Exchange Service: Dell will send you a replacement the next business day in most cases, if deemed necessary after phone/online diagnosis. Shipping times may vary by location.

Level up your productivity

Adaptive Active Noise Cancellation (ANC)
Dynamically adjusts noise cancellation to different surroundings for a focus listening experience

Leatherette headband and ear cushions
Adjustable headband and replaceable¹ memory foam cushions

Advanced Smart Sensor
Mutes/Pauses audio when headset is removed or by lifting either earcup

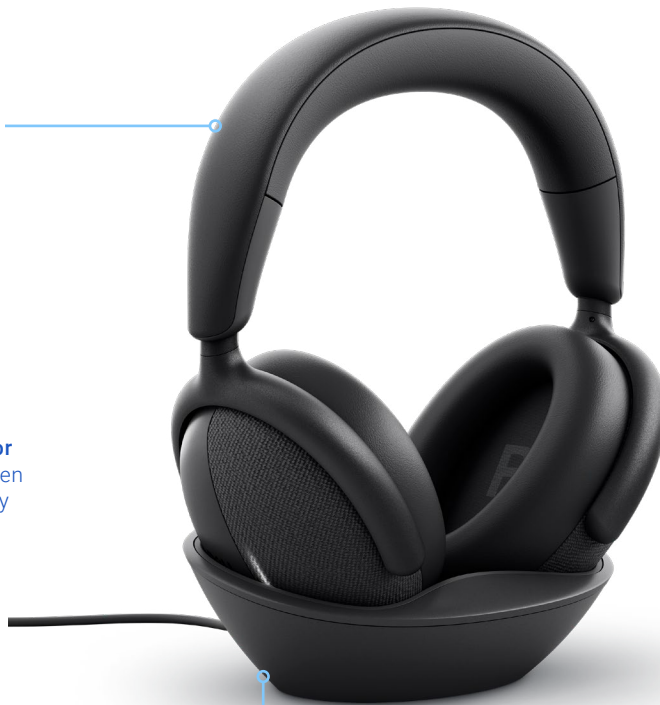
Boomless headset
Elevated aesthetic and creates a natural speaking experience

Powerful battery
USB-C charging dock for wireless charging, up to 80 hours of listening time³

Built-in, dual-directional AI-based noise cancellation
Distinguishes human speech signals from background noises with precision

Dell Peripheral Manager / Dell Audio²
Customize an amazing range of preferred audio and device settings

Effortless connectivity
Multi-point connectivity with Bluetooth[®] 5.3 (Connects up to 8 devices, 2 simultaneously)



▶ [Click here to explore the Dell Premier Wireless ANC Headset.](#)



Enhanced compatibility for seamless collaboration

Certified for Microsoft Teams (Open Office) and Zoom, and compatible with leading UC platforms.

Microsoft Teams Open Office qualification includes the strictest test on how the headset microphone suppresses surrounding noise and office conversation from multiple directions. This certification provides the ultimate assurance that the headset meets the premium microphone standard in an open office environment.

You can rely on this headset for a seamless collaborative experience.



1 Replacement ear cushions sold separately.
2 Dell Audio app is compatible with Android 11 and above, and iOS14 and above. This app may not be available in your location. Please check availability in the app store.
3 Based on Dell analysis (busy light and ANC off mode) of battery life usage, January 2024. Results vary depending on use, operating conditions and other factors.

Elevate collaboration, amplify clarity

Hear and be heard clearly with AI-based noise cancellation (AI-NC)

Our advanced AI-NC sets a new standard. While many headsets focus on one side of the conversation, our robust technology tackles both. It intelligently distinguishes human speech signals from background noise and filters out unwanted noise with precision, ensuring uninterrupted, crystal-clear communication for both you and your audience.



Dell Headset User
AI-NC (downlink¹) removes unwanted noise from your audience's surroundings, so you can **hear them clearly**.

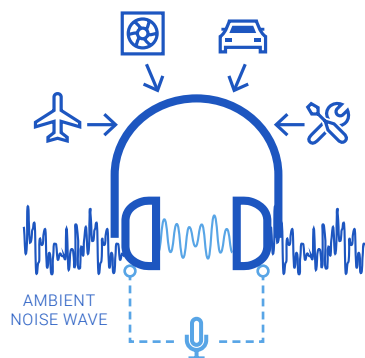
Dell Dual-directional AI-NC
Intelligently distinguishes human speech signals from background noise.

Audience on the other end
AI-NC (uplink) microphone removes unwanted noise from your surroundings, so your audience can **hear you clearly**.

Focused listening with Adaptive Active Noise Cancellation (ANC)

Adaptive Active Noise Cancellation (ANC) intelligently changes the levels of noise cancellation according to the surroundings, reducing environmental noise effectively in a variety of settings.

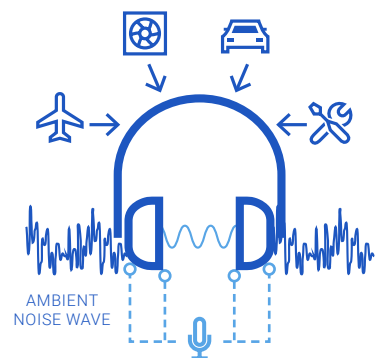
Established Industry Headset - with ANC



Noise cancellation (NC) mics
located outside of earcups

ANC
Enhances focus listening by reducing unwanted background noise.

Dell Premier Wireless ANC Headset - with Adaptive ANC



Noise cancellation (NC) mics
located both outside and inside of earcups.

Adaptive ANC
Dynamically adjusts to diverse surroundings for the most advanced noise cancellation, enhancing focused listening.

¹ Please enable the AI downlink noise cancellation feature via Dell Peripheral Manager, Dell Audio or by triple tapping the touch control on the headset.



Personalize your settings

Enhance and personalize your audio experience with Dell Peripheral Manager¹ or Dell Audio²

Set up is easy, with no need for lengthy install guides. The Dell Peripheral Manager¹ instantly installs³ on your PC to quickly guide you to showtime. With this intuitive software, you can easily make changes to the audio and device settings with additional customization such as Audio Mode, Adaptive ANC control, Wear Detection Mode, Sidetone, Audio Output Preset, Busy Light, battery indicator and more.

Conveniently access your wireless headset control⁴ right from your smartphone and start enjoying clear communication and personalized preferences.

Download the Dell Audio app² from the Apple [App Store](#)[®] or [Google Play](#)[™] store.

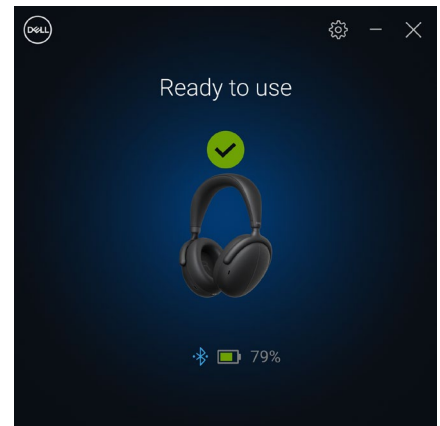
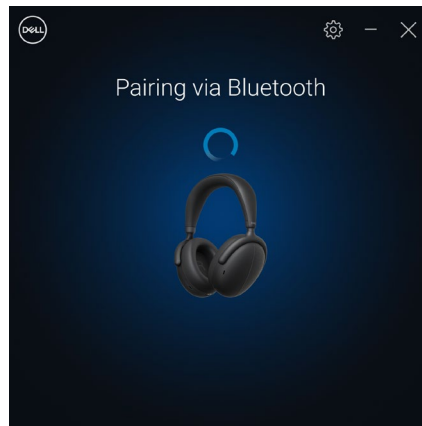
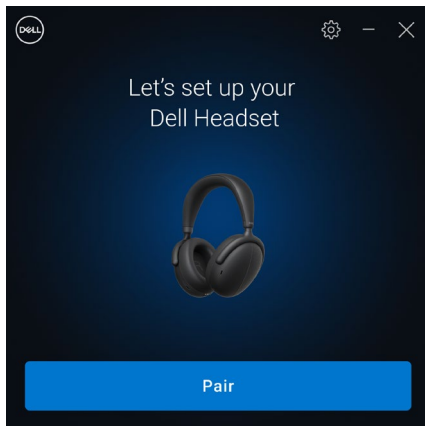


1 Dell Peripheral Manager is compatible with Windows 11 and Windows 10 (64-bit operating system or higher).
2 Dell Audio app is compatible with Android 11 and above, and iOS14 and above. This app may not be available in your location. Please check availability in the app store.
3 Manual installation may be required for some cases due to individual system security requirement.
4 Compatible with select Dell Wireless Headsets. For more information, visit Dell Audio Support page at www.dell.com/support.

Effortless connectivity



Pair your headset effortlessly using Dell Pair.¹ It is the simple and secure² way to connect your accessories. Your headset are detected automatically and can be paired with only one click.³



¹ Dell Pair is available with select accessories, commercial & consumer PCs; availability and functionality vary by model. For more details visit Dell.com/support/kbdoc/000201693

² Based on Dell Analysis, October 2022. For more details visit Guide to Bluetooth Security <https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-121r2-upd1.pdf>

³ When accessory is in Bluetooth pairing mode.

FEATURE	TECHNICAL SPECIFICATION
MODEL	Dell Premier Wireless ANC Headset - WL7024
SPEAKER SIZE	40mm
FREQUENCY RESPONSE	20Hz - 20kHz
FREQUENCY RESPONSE (MUSIC MODE)	20Hz - 20kHz
FREQUENCY RESPONSE (TALK MODE)	100Hz - 8kHz
SPEAKER DRIVER SENSITIVITY	116dB@1mW at 1kHz
NOISE CANCELLATION	Adaptive ANC
USER HEARING PROTECTION	Yes - EN50332
SPEAKER IMPEDANCE	32 Ohms
AI NOISE CANCELLATION	Dual Directional AI NC (Outgoing & Incoming audio ¹)
MICROPHONE TYPE	7 Mic, AINR (AI Noise Reduction), AIBF (AI beam forming) capable
MICROPHONE FREQUENCY RANGE	100Hz - 14kHz
MICROPHONE DIRECTION	Omni - Directional, AI Beam Forming
SENSITIVITY	-38dBV/Pa
SIGNAL-TO-NOISE RATION (SNR)	> 65 dB
MIC BOOM	Boomless
FORM FACTOR	Over-Ear
WEIGHT	297g
HEADSET DIMENSIONS	200 (L) x 198 (W) x 45 (H) mm
EAR CUSHION SIZE	99 (L) x 76 (W) x 23 (H) mm
HEADBAND MATERIAL	Leatherette + memory foam
EAR CUSHION MATERIAL	Leatherette memory foam cushions
STACKING/STOWING	Rotational fold
FAST CHARGING	Yes (Plugged). 15 mins = up to 12hrs
CHARGING DOCK	Yes (USB-C connection)
CHARGING MECHANISM	USB-C (plug in for fast charging), Charging dock
HEADSET BATTERY CAPACITY	750mAh
BATTERY CHARGE TIME	<3 hrs to full
TALK/LISTENING TIME	Talk: Up to 28hrs (ANC Off & Busy light Off) Up to 26hrs (ANC On & Busy light Off) Listening time: Up to 80hrs (ANC Off & Busy light Off) Up to 60hrs (ANC On & Busy light Off)

FEATURE	TECHNICAL SPECIFICATION
CHARGING DOCK DIMENSIONS & WEIGHT	144 (L) x 99 (W) x 51 (H) mm Weight: 486g
WIRELESS CONNECTIONS	BT 5.3 w/ range up to 30 m/100 ft
WIRELESS ADAPTER (TEAMS DONGLE)	Yes, USB-C
WIRED CONNECTIONS	Detachable USB C-C (charging)
WIRED AUDIO	3.5mm audio input (1.2m)
CHARGING CABLE LENGTH	1.2m
USB CONVERTER ADAPTER/DONGLE	USB-A (male), USB-C (female)
FAST PAIRING	Windows Swift Pair
MULTI-POINT	Yes (Up to 8 devices, 2 simultaneous connections)
LE AUDIO READY	Yes (via firmware upgrade)
TRANSPARENCY MODE	Yes (adjustable)
VOICE ASSISTANT (PASS-THROUGH) - MOBILE ONLY	iOS (Apple Siri), Android (Google Assistant, Samsung Bixby)
TELEMETRY	Yes
ANC MODE	Yes, Button
AI BEAMFORMING	Yes
HEAD SENSOR	Yes. Advanced Smart Sensor
USAGE/CALL LED INDICATORS	Double sided LED
BUTTON CONTROLS	Power On / Off / Bluetooth Pairing Mic Control (mute/unmute) ANC mode control button (on/off/transparency) Microsoft Teams button
TOUCH CONTROLS	Vol +/- Play/Pause Answer/End calls Reject incoming call Voice assistant Incoming audio noise cancellation on/ off ¹
CERTIFICATIONS	Microsoft Teams (Open Office) Certified Zoom Certified
MOBILE APP	Dell Audio ² Mobile App (iOS/Android)
HARDWARE OS SUPPORT	Win11/10 64 Bit, macOS [®]
SOFTWARE SUPPORT	Dell Peripheral Manager for Windows OS Dell Audio ² for iOS and Android
PACKAGE CONTENT	Dell Wireless Headset WL7024, USB-C Dongle, USB-A Adapter, USB Type-C to USB Type-C charging cable, 3.5mm audio cable, Charging Dock with with USB-C plug, Carry case, Documentation
WARRANTY	3 Year Limited Hardware with Advanced Exchange Service ³
PART REPLACEMENT/ ACCESSORIES	Ear Cushions: Dell Premier Wireless Headset Ear Cushions - HE724 USB-C Dongle: Dell Wireless Audio Receiver - HR024

Complete your experience with accessories designed to make the most of your Dell Premier Wireless ANC Headset.



Premier Wireless Headset Ear Cushions | HE724

Swap out your ear cushions with a fresh pair that easily attach into the ear cups for continued comfort and longevity for your headset.



Wireless Audio Receiver | HR024

Effortlessly replace and reconnect your headset for uninterrupted sound using this USB-C audio receiver.

¹ Please enable the AI downlink noise cancellation feature via Dell Peripheral Manager, Dell Audio or by triple tapping the touch control on the headset.

² Dell Audio app is compatible with Android 11 and above, and iOS14 and above. This app may not be available in your location. Please check availability in the app store.

³ Dell will send a replacement unit the next business day if deemed necessary after remote diagnosis. Find out more at www.dell.com/warranty.

Technical specifications subject to change without prior notice. Product availability varies by country. Please contact your Dell representative for more information.