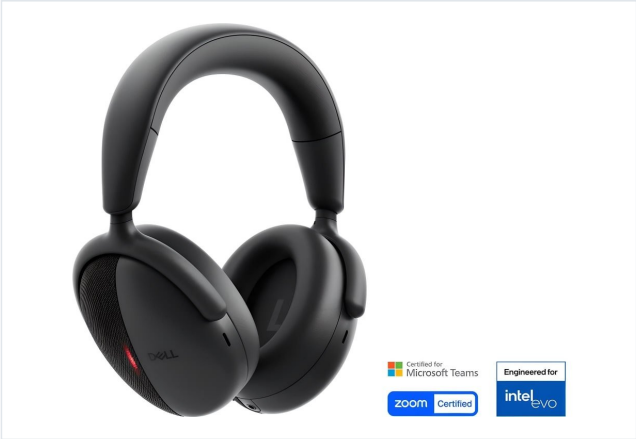
ComX Computers
Product Specification Sheet

520-BBHC

Dell WL7024 Pro Premium Wireless ANC Headset

Product Overview

Dell WL7024 Pro Premium Wireless ANC Headset. The Dell Premier Wireless ANC Headset WL7024 delivers crystal-clear professional audio with dual-directional AI noise cancellation and Adaptive ANC. Comfortable, smart and long-lasting, it supports Bluetooth, USB-C and wired connections with up to 80 hours battery life and rapid charge capability. Ideal for video calls, remote work and multitasking environments in South Africa.



Specifications

Overview Summary

Dell Premier Wireless ANC Headset WL7024

The Dell Premier Wireless ANC Headset WL7024 delivers intelligent, business-grade audio with dual-directional AI noise cancellation and Adaptive ANC for crystal-clear conversations. Certified for Microsoft Teams and Zoom, it supports seamless multi-device wireless or wired use and long battery life for all-day productivity.

Comfortably designed with memory foam cushions and a leatherette headband, this boomless headset features smart sensor controls that pause or mute when you remove an ear cup. Rapid charging plus a charging dock make usage easy and reliable.

Performance tier: Premium professional

Uses: Video calls, remote work, office conferencing, noise reduction, multi-device connectivity

Overview

Stay focused anywhere with an intelligent wireless headset, featuring dual-directional AI-based noise cancellation and Adaptive ANC.

Description

The Dell Premier Wireless ANC Headset WL7024 combines premium audio performance with intelligent design for seamless professional collaboration. Crafted with comfort in mind, its over-ear leatherette ear cushions and memory foam headband provide long-wear ease, while the boomless, 7-mic array and AI-driven noise cancellation ensure both you and your audience stay clear of unwanted noise.

Adaptive ANC dynamically tunes noise suppression to your surroundings, whether in busy offices or remote environments. Smart sensor technology senses when you lift an ear cup and auto-mutes or pauses, enhancing efficiency. Connectivity is flexible-available via Bluetooth 5.3 with multi-device pairing, a USB-C wireless dongle, or wired 3.5 mm connection-while a fast-charging dock delivers up to 12 hours from a quick 15-minute top-up.

Features

Hear and be heard clearly
Experience clear communication with dual-directional AI-Based Noise Cancellation from Dell's most intelligent wireless headset[1]. Our innovative technology distinguishes human voices and reduces background noise from both your and your audience's surroundings, ensuring voice clarity in listening and speaking during calls, no matter where you are.

Focused listening
Listen better on calls with Adaptive Active Noise cancellation that cancels out your background noise. Adaptive active noise cancellation dynamically adjusts to different surroundings, creating a more focused listening experience.

Unbelievable battery
With up to 80 hours of listening time on a full charge, our headset offers the longest battery life in its class, so you won't have to worry about charging it daily.

Wireless charging
Easily charge your headset on the sleek charging dock.

Rapid charge
Just 15 minutes on the charging dock gives you 12 hours of listening time.

Built-in intelligence
The advanced headband sensor automatically senses when its flexed, intelligently performing tasks like mute/unmute, pause/play when either ear cup is lifted, saving you time and convenience.

Convenient controls
Easily accept or reject calls, mute and unmute and activate your voice assistant with smart touch controls.

Boomless beauty
The boomless design creates a natural speaking experience and elevated aesthetic.

All day comfort
The adjustable leatherette headband, features ultra-soft memory foam cushions, and replaceable ear cushions.

Multi-point connectivity
Connect up to 8 devices, 2 simultaneously, with Bluetooth(R) 5.3.

Convenient pairing
Your headset is detected automatically & paired with only one click using Dell Pair - a simple and secure way to connect your headset to your PC.

Collaboration-ready
This headset is certified for Microsoft Teams (Open Office) and Zoom, and it's compatible with leading UC platforms.

Dell Display and Peripheral Manager
Experience Dell's singular, innovative application to optimise the performance of your entire Dell PC workspace.

Customise your audio experience
Create a quieter listening environment with Active Noise Cancellation (ANC) or choose to hear your surroundings without removing your headset with transparency mode. Adjust equaliser settings to tailor your multimedia sound.

More manageable
Save time and boost IT efficiency with the Dell Device Management Console to manage your Dell peripheral fleet at scale, from a single cloud-based console. Discover expanded Command Line Interface features from Dell Display and Peripheral Manager.

Dell Audio App
Conveniently access your wireless headset control right from your smartphone and start enjoying clear communication and personalised preferences.

What's in the Box

- Dell Premier Wireless ANC Headset WL7024
- USB-C wireless audio receiver
- USB-A adapter
- USB-C to USB-C charging cable
- 3.5 mm audio cable
- Charging dock with USB-C plug
- Carry case
- Documentation

Specifications:

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Specifications	
Product Code	520-BBHC
Audio (output/speaker)	
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
Impedance	32 Ohms
Audio	
AI Noise Cancellation	Dual Directional AI NC (Outgoing & Incoming audio)
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
Design & Fit	
Form Factor	Over-Ear
Weight	297g
Headset Dimensions	198 mm (W) x 200 mm (L) x 45 mm (H)
Ear Cushion Size	76.1 mm (W) x 99.5 mm (L) x 22.6 mm (H)
Headband Material	leatherette + memory foam

Ear Cushion Material	leatherette + memory foam cushion
Stacking/Stowing	Rotational fold
Battery & Charging Performance	
Fast charging	Yes (Plugged). 15 mins = up to 12 Hrs
Charging Dock	Yes, (USB-C connection)
Charging Mechanism	USB-C (plug in for fast charging), Charging dock
Headset Battery Capacity	750mAh
Battery Charge Time	
Talk/Listening Time	Up to 28hrs (ANC Off & Busy light Off)
	Up to 26hrs (ANC On & Busy light Off)
	Up to 80hrs (ANC Off & Busy light Off)
	Up to 60hrs (ANC On & Busy light Off)
Charging Dock Dimensions & Weight	99.0 mm (W) x 143.7 mm (L) x 50.9 (H)
	486g
Connectivity	
Wireless Connections	BT 5.3 w/ range up to 30 m/100 ft
Wireless Adapter (Teams' BT Dongle)	Yes, USB-C
Wired Connections	Detachable USB C-C (charging)
Wired Audio	3.5mm audio input (1.2m length cable)
Charging Cable Length	1.2m
USB Converter Adapter/Dongle	USB-A (male), USB-C (female)
Fast Pairing	Windows Swift Pair - Yes
Multi-Point	Yes (Up to 8 devices, 2 simultaneous connections)
LE Audio Ready	Yes (via firmware upgrade)
Intelligent / Advanced Features	
Transparency Mode	Yes
Voice Assistant (Pass-Through) - Mobile Only	iOS (Apple Siri), Android (Google Assistant, Samsung Bixby)
Telemetry	Yes
ANC Mode	Yes, Button
AI Beamforming	Yes
Controls, Indicators	
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 (AI Downlink NC)
Software	
Certifications	Microsoft Teams (Open Office) Certified
	Zoom Certified
Hardware OS Support	Win11/10 64 Bit
	Mac OS
Software Support	Dell Peripheral Manager for Windows OS
	Dell Audio (iOS & Android)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx.co.za/520-BBHC-Dell-WL7024-Pro-Premium-Wireless-ANC-Headset-p-327538.php

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