ComX Computers
Product Specification Sheet

520-BBGM

Dell Pro Wireless ANC Headset WL5024 - Bluetooth

Product Overview

Dell 520-BBGM Pro Wireless ANC Headset WL5024, 40mm Speaker size, Hybrid ANC noise cancellation, AI Up-Link noise cancellation (Microphone), 5 Microphone, Uni-Directional AI beam forming Microphone direction, Mic Boom, On-Ear Form Factor, USB-C charging mechanism, 750 mAh Headset Battery capacity, Bluetooth 5.3 with range up to 30m, Detachable USB Type-C Wired connections, 1.5m cable length, Controls











Specifications

Overview:

Dell Pro Wireless ANC Headset - WL5024

Elevate your workday communication with a headset that comes equipped with an AI-based microphone and Hybrid Active Noise Cancellation, designed to reduce background noise, ensure comfort, and bring your productivity to the next level.

Features:

Be heard more clearly

With an AI-Based Noise Cancelling (AI-NC) microphone that distinguishes between human voices vs. surrounding background noises you can be heard clearly at all times.

- Our AI-enabled microphone
- Established industry microphone

Focused listening

Hybrid Active Noise Cancellation has increased levels of noise cancellation to block unwanted noise, making audio more clear and immersing you in what you're listening to.

Designed for ease of use

The adjustable headband and replaceableleatherette memory foam ear cushions ensure productivity and comfort while conferencing. Connect to a USB-C or USB-A portto get started.

Control at your fingertips

This headset is equipped with convenient call controls on the ear cups and a quick deploy discrete AI-based boom mic. Flip the boom arm up/down to answer/mute/unmute calls and tuck it away when not in use.

Easy charging

Enjoy up to 78 hours of listening time on a full charge.

Simply charge device by placing it on the charging dock.

Seamless collaboration

This headset is certified for Microsoft Teams (Open Office) and Zoom. It's compatible with leading UC platforms.

Multi-point connectivity

Connect up to eight devices, and pair effortlessly and securely in just one click with Dell Pair. Enjoy multi-point connectivity via Bluetooth 5.3 (LE Audio capable).

Personalise your settings

Dell Peripheral Manager allows the user to make changes to the audio and device settings with additional customisation such as Audio Mode, Active Noise Cancellation Mode, Wear Detection Mode, Sidetone, Audio Output Preset, Busy Light, Battery Indicator and more. You may also check the headset's status including battery level and connected devices.

Product Features

- Adjustable Leatherette Headband
- Discrete Boom Microphone
- Leatherette Memory Foam Ear Cushion
- Control Buttons
- USB-C Wireless Audio Receiver and USB-A Adapter

Compatibility

- Operating SystemWindows 10, 11 or later, Mac OS
- SoftwareDell Peripheral Manager for Windows OS

What's in the box

- Dell Pro Wireless ANC Headset - WL5024
- USB-A Adapter
- USB-C Wireless Audio Receiver
- Type-C Charging Cable
- Soft Carrying Pouch
- User Documentation

Specifications:

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Specifications	
Product Code	520-BBGM
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	120dB @ 1mW/1kHz
Noise cancellation	Hybrid ANC
User Hearing Protection	Yes - EN50332
Audio codecs supported	AAC (advanced audio coding), SBC, LC3
Audio (input/microphone)	
Noise cancellation (microphone)	AI Up-Link Noise Cancellation
Microphone Type	5 (2 analog, AI Beamforming & 4 Hybrid ANC)
Microphone Frequency Range	100Hz - 14kHz
Microphone Direction	Uni-Directional, AI Beam Forming
Sensitivity	-45dBV/Pa
Signal-to-Noise Ration (SNR)	55dB
Mic Boom	100-130 degrees rotation (Discreet, single sided, left)

Design & Fit	
Form Factor	On-Ear
Weight	219g
Ear Cup Size (Diameter)	70 (W) x 77 (H) mm
Headband Material	leatherette + memory foam
Ear Cushion Material	Leatherette + memory foam cushions
Battery & Charging Performance	
Fast charging	Yes (Plugged). 15 mins = approx 10 hrs (listening, ANC & Busy Light OFF)
Charging Mechanism	USB-C (Plug in for fast charging), Charging Stand (sold separately)
Headset Battery Capacity	750 mAH
Battery Charge Time	2.5 Hrs to Full
Talk/Listening Time	Talk:
	Up to 34hrs (ANC & busy light off)
	Up to 20hrs (ANC & Busy light on)
	Listening time:
	Up to 78hrs (ANC Off & busy light off)
	Up to 50hrs (ANC On & Busy light off)
Connectivity	
Wireless Connections	BT 5.3 w/ range up to 30 m/100 ft (LE Audio)
Wireless Adapter (Teams' BT Dongle)	Yes, USB-C
Wired Connections	Detachable USB C-C (charging)
Cable Length	1.5m
USB Converter Adapter/Dongle	USB-A (male), USB-C (female)
Multi-Point	Yes (Up to 8 devices (memory), 2 simultaneous connection)
LE Audio Ready	Yes
Intelligent / Advanced Features	
Transparency / Aware 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
Controls, Indicators	
Head Sensor	Yes. Conventional
Usage/Call LED Indicators	Double-sided, LED

Button controls	Mute/unmute mic on earcup (Mutes when in discreet mode)
	Media (Long press to trigger Voice assistant)
	Volume +/-
	ANC modes
	Power On/Off (single press), BT Pairing (long press for BT pairing)
	MS Teams
Certifications	Microsoft Teams (Open Office) Certified
	Zoom Certified
Software	
Hardware OS Support	Win11/10 64 Bit, Mac OS
Software Support	Dell Peripheral Manager for Windows OS
Service & Support	
Package Content	Dell Pro Wireless ANC Headset - WL5024
	USB-A Adapter
	Travel pouch
	User documentation/manual
	USB-C adapter (Teams)
	USB-C to C cable (Charging)
Part Replacement/Accessories	Ear Cushions.
	Part : Dell Wired Headset Ear Cushions - HE324
	USB-C BT adapter - HR024
	Charging Dock - HC524

Product Information Online

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

Product page:
https://www.comx-computers.co.za/520-BBGM-Dell-Pro-Wireless-ANC-Headset-WL5024-Bluetooth-p-300796.php

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