AURORA

INDUSTRIAL-CLASS BT HEADSETS

User Manual

Thank you for purchasing the Aurora BT headset

Congratulations on your purchase of the Aurora BT headset. As with all of our products, Aurora Class headsets are backed by extraordinary customer service and support.

David Clark Company assumes full responsibility for the quality and performance of our products. We are committed to a policy of service whereby we will respond in a prompt and positive manner to any question or issue regarding one of our products.

David Clark Company products have set the standards of performance and excellence for customers throughout the world. Your new Aurora Class BT headset continues this legacy. We have earned a reputation for excellence; we intend to keep it by continuing to deserve your confidence.

Robert A. Vincent, *President*

READ AND SAVE THESE INSTRUCTIONS. Follow the instructions in this manual. These instructions must be followed to avoid damage to this product and associated equipment. Product operation and reliability depends on proper usage.

DO NOT USE OR INSTALL ANY DAVID CLARK COMPANY PRODUCT THAT APPEARS DAMAGED.
Upon unpacking your David Clark product, inspect the contents for shipping damage. If damage is apparent, immediately file a claim with the carrier and notify your David Clark product supplier.

ELECTRICAL HAZARD.
All repairs should be performed by a representative or authorized agent of David Clark Company. Electrical power must be disconnected when making any internal adjustments or repairs.

LI-POLYMER.
This product is used with Li-Polymer batteries. Do not incinerate, disassemble, short circuit, or expose battery to high temperatures. Battery must be disposed of properly in accordance with local regulations.

IMPORTANT: First Use

The DC Bluetooth Headset must be enabled by a slide switch inside the non-mic side ear dome prior to first use (see Figure 1 opposite). You must remove the filter to see the slide switch. The slide switch will need to be in the UP position. This will be the only time it is necessary to operate this switch.

Figure 1 - Move Slide Switch to UP position

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What is Bluetooth® Wireless Technology?*

Bluetooth is a wireless communication system standard that allows connectivity and collaboration between disparate products and industries. It allows the headset to work with mobile phones, leak detector equipment and a wide variety of other Bluetooth compatible devices.

How does Bluetooth technology differ from other radio technologies?
Mobile phones, FM radio and television all use radio waves to send information wirelessly. And while Bluetooth technology also uses radio waves, it transmits them over a shorter distance. Bluetooth technology sends information within your Personal Area Network or “PAN” (aka your own personal space) at distances up to 100 meters (328 feet) depending upon device implementation. Bluetooth technology operates in the unlicensed industrial, scientific and medical (ISM) band at 2.4 to 2.485 GHz, using a spread spectrum, frequency hopping, full-duplex signal at a nominal rate of 1600 hops/sec.

Is Bluetooth technology hardware or software?
It’s a combination of both. Bluetooth includes a small computer chip containing the Bluetooth radio. But it also needs software to connect, via Bluetooth wireless technology, to other products. This is accomplished through adaptive frequency hopping (AFH) capability. AFH was designed to reduce interference between wireless technologies sharing the 2.4 GHz spectrum. AFH works within the spectrum to take advantage of the available frequency. This is done by the technology detecting other devices in the spectrum and avoiding the frequencies they are using. This adaptive hopping among 79 frequencies at 1 MHz intervals gives a high degree of interference immunity and also allows for more efficient transmission within the spectrum. For users of Bluetooth technology this hopping provides greater performance even when other technologies are being used along with Bluetooth technology.

**The above excerpts are taken from Bluetooth.com. Please visit Bluetooth.com if you’d like to learn more about Bluetooth.*

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Bluetooth Device ID: David Clark Headset (V100)

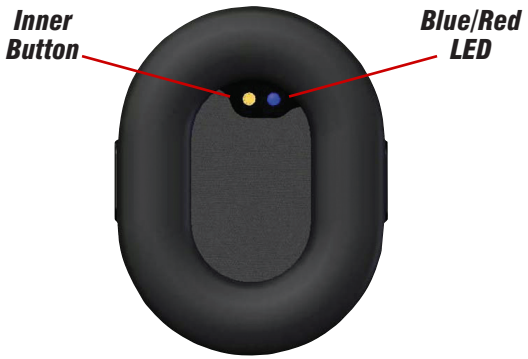
The David Clark H-BT headset is a wireless audio/communication device that uses Bluetooth 4.0 to connect to smartphones, computers or other Bluetooth-equipped devices. The headset is equipped with a rechargeable lithium ion battery capable of up to 30 hours of continuous music streaming/talk time. Standby time is estimated at up to140 hours.

Operation

Button	***Action***
Inner button long held (>=1sec)	Device On
Inner button long held (>=2.5sec)	Device Off
Inner button short press	Enter pairing mode
Outer button short press	Answer incoming call Hang up outgoing call or active call Play/Pause
Outer button long held (>=1sec)	Connect last HFP device Dial last number Reject incoming call Transfer call
Outer button double press	Voice dial

Note: Volume is controlled solely by selected device.

OVERVIEW & OPERATION



Status Indications

LED Color	***Headset State***
Blue LED on : 2 sec, off : 1 sec, repeat	All profiles are standby but not yet connected with Bluetooth device
Blue LED flash every 2 sec	A2DP or HFP is connected
Blue LED flash twice every 2 sec	On A2DP streaming state
Blue LED on : 1 sec, off : 1 sec, repeat	On active call state
Blue LED and **Red LED** flash alternative repeat	Enter pairing mode
Outer button double press	Voice dial

*Note: **Blue LED** would be replaced with **Red LED** when low battery. When battery charging is complete the **Red LED** turns off. Recharge time is approximately 6-7 hours from a low battery.*

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Headset Functions/Operating Instructions

Microphone Placement and Adjustment

To adjust microphone placement, slide wire boom in or out and adjust flex boom portion in/out and up/down as necessary. Ideal micrphone placement is 1/8” from the lips to provide maximum intelligibility and ambient noise rejection (not applicable for listen-only models).

Volume Adjustment

Volume must be adjusted by paired device.

Auto Shutoff

The headset will automatically shut off when not paired to a device for more than five (5) minutes

Auto Pair

The headset will automatically pair with a device when turned on, provided that the device is on and has been paired once before.

Troubleshooting

Problem	*Solution*
Headset will not turn on	Confirm battery slide switch is in ON position and ensure battery is charged
Cannot link to device	Confirm Bluetooth radio is turned on
No/low audio	The headset itself is not equipped with volume control. All volume adjustments must be made on paired device.

Care and Maintenance

Avoid prolonged storage of this product in direct sunlight or high temperature environments. ***Aurora Class BT headsets are not user serviceable.*** Do not attempt to open the headset. If this product requires service, please contact the David Clark Company Customer Service department:

Phone: 800-298-6235 / 508-751-5800 (Outside USA)

Email: servicewww@DavidClark.com

Mail: Customer Service, David Clark Company,
360 Franklin Street, Worcester, MA 01604

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Product Specifications

Range	30 ft. (10m)
Battery Life	Up to 30 hrs. continuous streaming Up to 140 hrs. standby
Operating Temperature	-4°F to 113°F (-20°C to 45°C)
Storage Temperature	-4°F to 113°F (-20°C to 45°C)
Power Requirements	5V @ 500mA nominal
Battery Type	3.7V 1000mAh Li-Polymer

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

Changes and modifications not expressly approved by David Clark Company, Inc. can void your authority to operate this equipment under Federal Communications Commission rules. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct theinterference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation of the device.

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French version of RSS-Gen, Sec. 7.1.3

Le prèsent appareil est conforme aux CNR díIndustrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

David Clark

WWW.DAVIDCLARK.COM

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