Dual HDL300 system

The Dual HDL300 system comprises two integrated microphone and speaker bars that provide true full-room microphone coverage and rich, clear playback in extra-large spaces up to 30' x 50' (9.1 x 15.2 m) — including meeting rooms, classrooms, flex spaces and more.

True full-room microphone coverage

Like all Nureva® systems, the Dual HDL300 is powered by patented Microphone Mist™ technology, which fills a space with thousands of virtual microphones. Just two integrated microphone and speaker bars provide true full-room coverage — compare that to traditional systems that use multiple components and still may leave dead zones where people can't be heard. Continuous autocalibration means your audio is always optimized — no technician required — even if you change the room layout.

Easy installation

Installing the Dual HDL300 is an easy task that takes about 60 minutes. You hang each unit on the wall with two screws, run one cable from each unit to the connect module and then another to a computer. Compare that to traditional systems for extra-large spaces that may include choosing and installing multiple mics, speakers, cables and a DSP — a process that can take days and require outside technicians.

Manage from anywhere

The Dual HDL300 and all your Nureva devices can be managed from anywhere with Nureva Console — our secure cloud-based platform included with each system. Use it to remotely install firmware updates, check device status, analyze room data, adjust the microphone pickup zone, access developer APIs and more. You also get a 2-year subscription to Nureva Pro, which includes expanded support hours, advance hardware replacement and enhanced Nureva Console features.

Features

- **Intelligent Sound Targeting** uses adaptive learning algorithms to preemptively ignore persistent unwanted sounds like HVAC

- **Position-based gain control** applies gain separately to each sound, which enables specific optimizations that create a natural listening experience

- **Simultaneous processing** of all virtual microphones ensures that conversations sound natural even when more than one person is speaking at the same time

- **Voice Amplification Mode** lets presenters use a headset mic to amplify their voice in the room while ensuring remote participants can also clearly hear on-site participants

- **Camera tracking** enables the use of precise sound location data to steer and switch third-party cameras

- **Active Zone Control** allows you to designate a zone where microphone pickup is maintained while pickup in the rest of the space is reduced

- **Integrated processing** requires no separate DSP as all processing is integrated into the system

Powered by
Microphone Mist™ technology

Dual HDL300 system — for room size up to 30' x 50' (9.1 x 15.2 m)

Dual HDL300

Technology features

Powerful onboard system processors

Continuous autocalibration

Position-based gain control

Acoustic echo cancellation

Built-in sound masking

Ethernet cables to each microphone and speaker bar

Primary audio source for video playback

Integrated, multicolor status LED

Microphones

24 low-noise omnidirectional MEMS
(12 in each microphone and speaker bar)

Frequency response at 94 dB SPL
100 Hz to 7 kHz

Total harmonic distortion (THD)
0.25% (typical)

Speakers

4 x 20 W 4" aluminum cone (2 in each microphone and speaker bar)

Acoustic output (hardware capable)
91 dB SPL @ 1 m

Total harmonic distortion (THD)
0.25% typical

Connect module

USB 2.0 interface to computer, type B

Auxiliary out — 3.5 mm single-ended stereo jack

Auxiliary in — 3.5 mm single-ended stereo jack

2 connections to microphone and speaker bars RJ45

Input jack for power supply

Interoperability

Plug and play compatibility with UC&C platforms including Microsoft® Teams, Zoom, Google Meet™, GoTo Meeting, Cisco Webex®, BlueJeans, Lifesize®, RingCentral Meetings™ and more

Easy integration with third-party solutions such as Barco ClickShare, lecture capture systems and headset microphones (for Voice Amplification Mode)

Operating

System requirements

Windows® 10 and 11

macOS® 10 and 11
(Big Sur and Catalina)

Power

Power rating: universal switching
100–240 V AC, 50–60 Hz

Power consumption: standby <2.5 W operational <25 W

Environmental

Operating temperature:
0° C to 40° C (32° F to 104° F)

Storage temperature:
–20° C to 70° C (–4° F to 158° F), humidity 5–90% (noncondensing)

Manageability

Automatic firmware updates

Remote management features available through cloud-based Nureva Console

Certifications and compatibility

Electromagnetic

FCC Part 15, Class A; ICES-003, Class A; CISPR 32 (EN 55032), Class A; CISPR 35 (EN 55035); CISPR 24 (EN 55024)

Safety

UL 62368; CAN/CSA-C22.2 NO.62368; IEC/EN 62368; AS/NZS 62368; UL 60950; CAN/CSA-C22.2 NO.60950; IEC/EN 60950; AS/NZS 60950

Compliance

RoHS, REACH, POPs (Persistent Organic Pollutants), WEEE, California Proposition 65, EPA (TSCA — Toxic Substances Control Act) Restrictions

Dimensions

HDL300 (each)

Width: 60.0" (152.4 cm)
Height: 5.91" (14.9 cm)
Depth: 3.5" (9.0 cm)
Weight: 18.0 lb. (8.2 kg)

Connect module

Width: 6.5" (16.5 cm)
Height: 1.41" (3.6 cm)
Depth: 4.31" (10.9 cm)
Weight: 1.5 lb. (0.7 kg)

Shipping (box one)

Width: 64.75" (164.4 cm)
Height: 10.63" (27.0 cm)
Depth: 9.5" (24.1 cm)
Weight: 24.0 lb. (10.9 kg)

Shipping (box two)

Width: 64.75" (164.4 cm)
Height: 10.63" (27.0 cm)
Depth: 9.5" (24.1 cm)
Weight: 22.0 lb. (10.0 kg)

Dual HDL300 system — for room size up to 30' x 50' (9.1 x 15.2 m)

System includes

2 integrated microphone and speaker bars

Connect module, white

Connect module mounting bracket, white

Country specific, power cable 6' (2.5 m), black

2 Ethernet cables, CAT6 SSTP, 50' (15 m), Class 3 rated, black

USB Type A–B cable, 10' (3 m), VW–1 rated, black

Infrared remote with 2 AAA batteries

Documentation

Warranty

Integrated microphone and speaker bars and connect module — standard 2-year limited hardware

Accessories and cables — 30 days

Extended warranties are available through Nureva Pro subscriptions

Part numbers

Black: **DUAL HDL300-B**
White: **DUAL HDL300-W**
Nureva Pro extension (1 year): **NP-1Y**
Nureva Pro extension (2 years): **NP-2Y**
Nureva Pro extension (3 years): **NP-3Y**

We are Nureva

We believe that amazing things happen when people come together. They imagine greater possibilities, create better solutions and find greater joy in how they work and learn. It's why we create and support truly original solutions that make it astonishingly easy for our customers to connect and collaborate no matter where they are.

Connect

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