

D Pulse

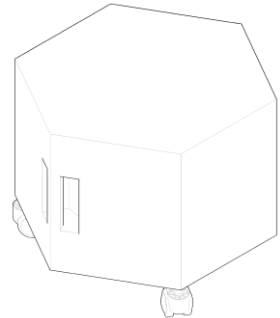
Intelligent Networked Subwoofer

D Pulse is a compact networked down-firing subwoofer endpoint for the D Series ecosystem. It combines a 10-inch woofer transducer, Class-D amplification, Dante® Audio-over-IP input¹, PoE++ powering and onboard DSP processing in a single intelligent acoustic node.

The product is intended for distributed audio systems with predictable coverage, simple infrastructure, and software-defined configuration, command, and control.

KEY FEATURES

- 10-inch 250 W woofer transducer
- Down-firing bass-reflex subwoofer
- Integrated Class-D amplification
- Dante® Audio-over-IP stream to loudspeaker¹
- IEEE 802.3af/at/bt PoE powering
- Built-in DSP: gain, HP filter, LP filter, limiter and 5-band parametric EQ
- EASE .GLL and .SPK files available for system design



ACOUSTIC SPECIFICATIONS

Transducer	10-inch high-sensitivity woofer driver, 250 W
Operating Frequency Range	45 Hz – 2500 Hz
Usable Frequency Range	35 Hz – 250 Hz (-10 dB)
Radiating pattern	Omnidirectional
Maximum Linear SPL (AES75)	103 dB SPL ²
Maximum SPL (IEC 60268)	105 dB SPL ²
Peak SPL	108 dB SPL ²

AMPLIFICATION & POWER

Amplifier Type	Class-D
Power Interface	IEEE 802.3af/at/bt compatible
Recommended power source	IEEE 802.3bt PoE++
Idle Power Consumption	5 W
Maximum Power Consumption	90 W

CONNECTIVITY

Audio	Dante® Audio-over-IP stream to loudspeaker ¹
Connector (audio, control and PoE)	Single RJ45

DSP PROCESSING

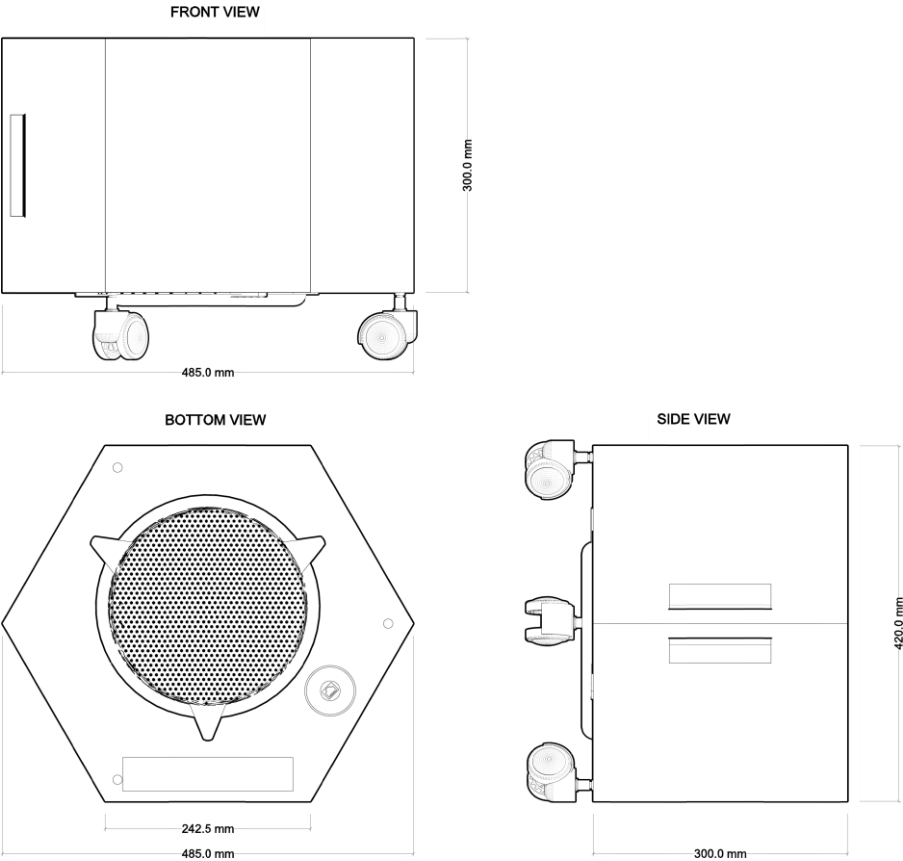
Input Gain	Adjustable
High-Pass Filter	Frequency and gain adjustable
Low-Pass Filter	Frequency and gain adjustable
Parametric EQ	5-band PEQ (frequency, Q and gain)
Limiter	Integrated
System Control	D Maestro and Dante Controller ¹ compatible

¹ Dante® is a registered trademark of Audinate Pty Ltd.

² measured with integrated amplification (IEEE 802.3bt), range 20 Hz – 250 Hz

MECHANICAL

Dimensions (with wheels)	485 mm x 420 mm x 385 mm (W × D × H)
Dimensions (w/o wheels)	485 mm x 420 mm x 300 mm (W × D × H) – optional
Net weight	12.6 kg
Enclosure Material	Medium-Density Fiberboard (MDF) 16 mm



FINISH & MOUNTING

Finish	Textured polyurethane coating
Standard Colours	Jet Black (RAL 9005), Signal White (RAL 9003)
Custom Colours	Any RAL colour upon request
Standard Mounting	Floor placement with integrated wheels
Optional Multi-Unit Configuration	Honeycomb pattern

MODELLING & SIMULATION

EASE .GLL	Available
EASE .SPK	Available