

## MODEL D212s



## TECHNICAL SPECIFICATIONS



Dynamic, Accurate, Solid. The audiophile's choice. Where sound quality and Transients free of overhang are paramount. Simply no better expression of bass performance than our push-pull subs. Ground up drivers developed by our team of engineers. Carbon fiber composite diaphragms, multiple aluminum shorting rings, massive magnets, multi-layer Nomex spiders and lightweight aluminum voice coil wire are the key ingredients - Proprietary nonlinear modeling techniques allow us to simulate all these components and then optimize for real world driver performance - free air and in box. Further refinement is done with the aid of Klippel laser measurements to dial things in. To take performance to another level, the push-pull drivers reduce even order harmonics distortion by an additional 10-12dB. Powered by our 3.0kW amplifier, all functions and safeties are controlled by a 48-bit data bath DSP and 32-bit ARM M4 Cortex processor, able to react in microseconds, powerful enough to slam. All D-Series subs share our 2.4" LCD touchscreen display and ability to control advance settings using our App. Certified by THX Dominus, The D-Series subs are the world's first. A testament to the level of design and performance achieved.

### BASIC

**Dimensions (HxWxD)**  
668 x 420 x 550mm  
26.3 x 16.5 x 21.6"

**Weight**  
68.0 kg (149.6 lbs.)

**Available finishes**  
Piano black  
Custom finishes available

### TECHNICAL

**Alignment**  
Push-Pull, acoustic suspension

**Amplifier**  
3.0kW rms short term

**Display Interface**  
2.4" LCD color touchscreen

**App**  
iOS and Android

**Processor**  
32-bit Arm Cortex M4, double precision floating point math

**DSP Engine**  
Ti DSP 48-bit data paths

**Driver complement**  
(2)300mm, Carbon fiber diaphragm  
+/-30mm linear excursion

**Frequency Response**

- THX EQ  
20-231Hz (-6dB) / 16-245Hz (-10dB)
- Boost (Large Room) EQ  
15-231Hz (-6dB) / 13.5-245Hz (-10dB)

- Cut (Small Room) EQ  
24-231Hz (-6dB) / 18-245Hz (-10dB)

**Inputs**  
(2) Balanced XLR  
(2) Unbalanced RCA

**Outputs**  
(2) Balanced XLR unbuffered  
(2) Unbalanced RCA unbuffered

**Parametric EQ**  
10-Band PEQ with 3 user presets

**Low Pass filter**  
Bypass, 30-160Hz, slope 6,12,18,24dB/oct

**Phase**  
variable 0-270°

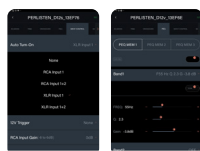
**Polarity**  
Normal / inverted

**Configurable Auto turn-on and 12v Trigger**  
XLR 1, XLR 1+2, RCA 1, RCA 1+2

**Certification**  
THX Dominus



**App Control**  
iOS and Android



**Advanced APP User interface**  
Customizable turn-on controls and input selection, multiple PEQ's with presets.

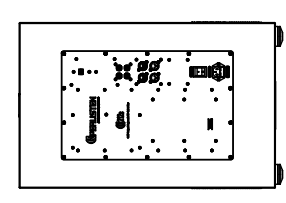
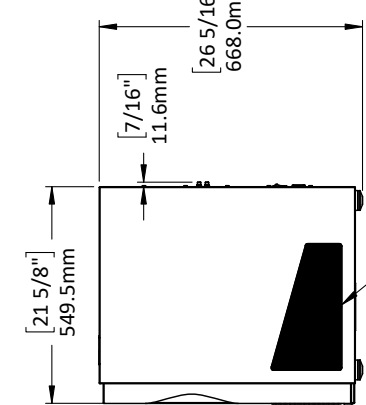
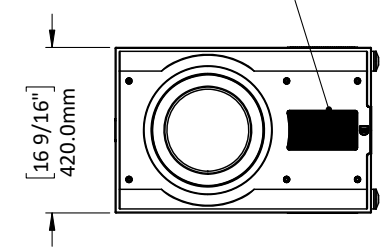
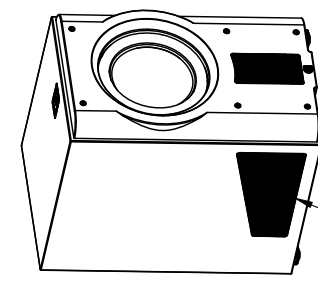
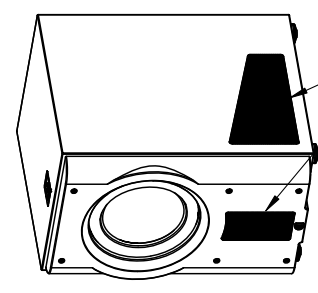
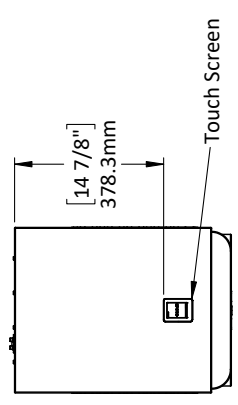


**Push-Pull**  
Asymmetrical Distortion killer

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REVISIONS		DATE
REV.	DESCRIPTION	
1	Initial Release	4/11/2021

D C B A D C B A



Vent (both sides)

**PERLISTEN**  
ARCHITECTURAL SPEAKERS & ACCESSORIES

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NAME	DATE

TITLE: Sheet1

SIZE DWG. NO. **A PL\_D212s2400\_Architectural** REV **1**

SCALE: 1:16 SHEET 1 OF 1

2 1