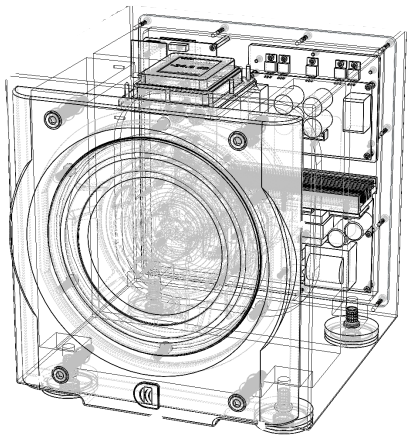
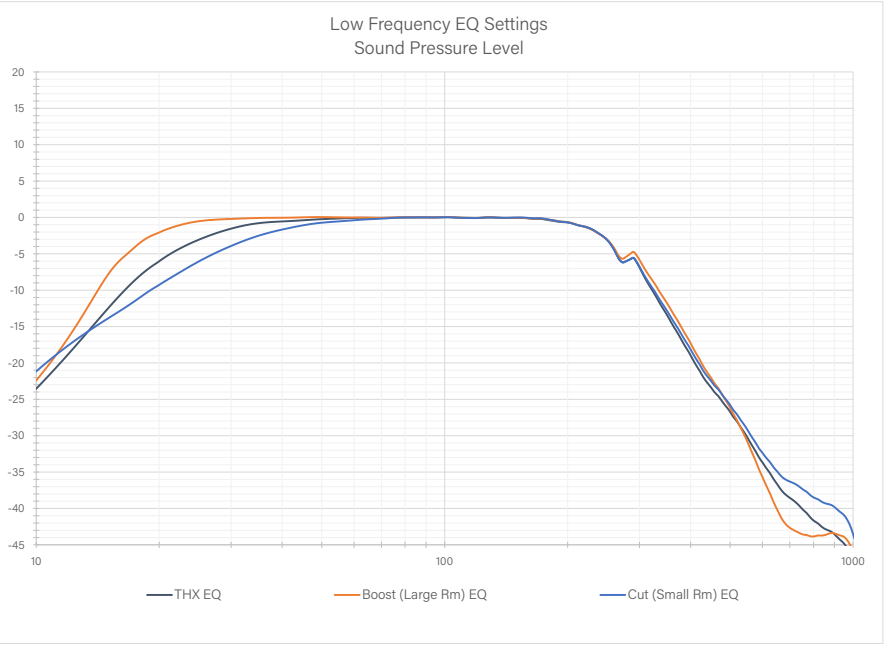
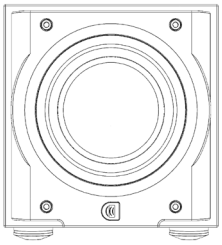
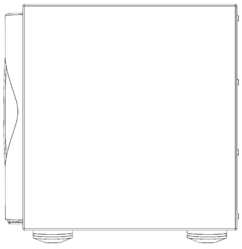
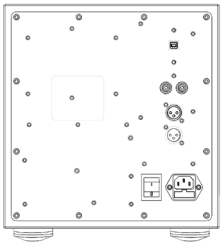
PERLISTEN®
PERCEPTUAL LISTENING EXPERIENCE

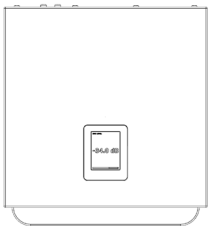












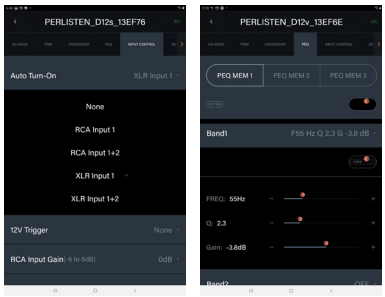
MODEL

R8s SUBWOOFER

APP Control - iOS and Android



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



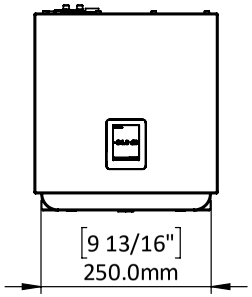
TECHNICAL SPECIFICATIONS

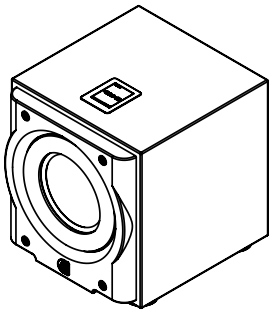
Alignment	Acoustic suspension
Amplifer	500W rms
Display Interface	2.4" LCD color touchscreen
App	iOS and Android
Processor	32-bit ARM Cortex M4, double precision floating point math
DSP Engine	Ti DSP 48-bit data paths
Driver compliment	215mm, Glass fiber diaprhragm +/-28.0mm linear excursion
Reference sensitivity	86dB /150mV/ 1.0m
Frequency Response	
THX EQ	20-265Hz (-6dB) / 16-330Hz (-10dB)
Boost (Large Room) EQ	16-265Hz (-6dB) / 14-330Hz (-10dB)
Cut (Small Room) EQ	25-265Hz (-6dB) / 19-330Hz (-10dB)
Inputs	(1) Balanced XLR (1) Unbalanced RCA
Outputs	(1) Balanced XLR unbuffered (1) 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, RCA
Dimensions overall (HxWxD)	298 x 270 x 290mm 11.7 x 10.6 x 11.4"
Weight	14.4 kg (31.7 lbs.)
Available Finishes	Matte black, Matte white

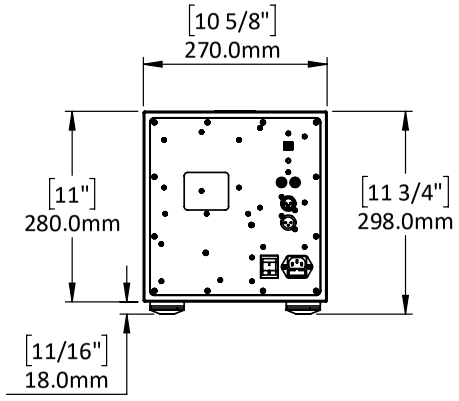
DESCRIPTION

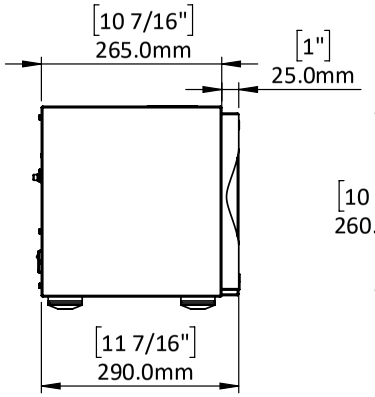
R-Series subs - Trickle down technology from our flagship D-Series, we've developed a lineup of single driver based subwoofers. Ground up drivers developed by our team of engineers. Glass fiber composite diaphragms, multiple aluminum shorting rings, massive magnets, multi-layer Nomex spiders and lightweight 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 our Klippel laser measurement system to dial things in. Powered by our new 500W 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 ensuring sonic accuracy. All R-Series subs share our 2.4" LCD touchscreen display and ability to control advance settings using our App.

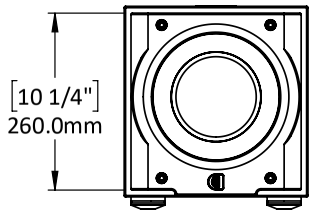
REVISIONS		
REV.	DESCRIPTION	DATE
1	initial drawing	2024/3/14
2	revised woofer	1/8/2025

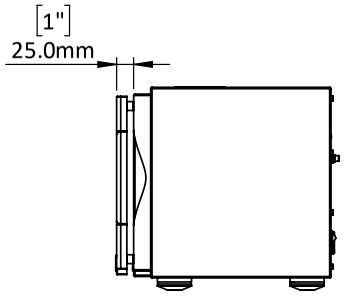




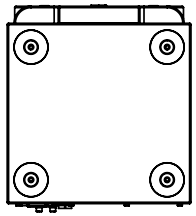








with optional grille



Notes:

	NAME	DATE	
		1/8/2025	PERLISTEN perceptual listening experience
			TITLE: Sheet1
SIZE A	DWG. NO. Perlisten R8s_Architectural		REV 2
SCALE: 1:10			SHEET 1 OF 1

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