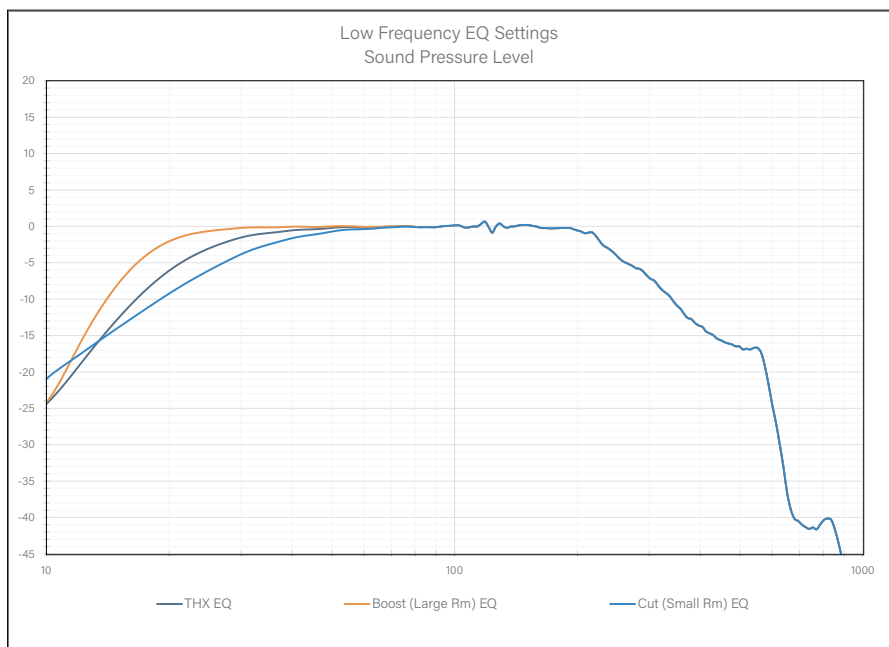
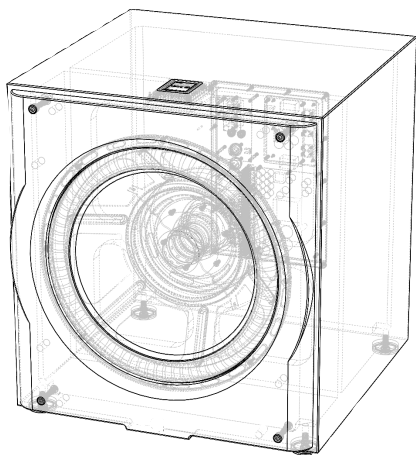


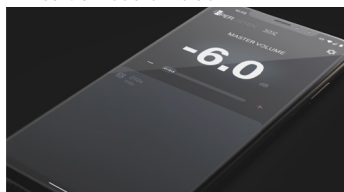
MODEL

R18s SUBWOOFER

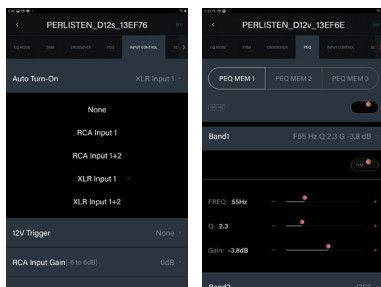
(R)18s

TECHNICAL SPECIFICATIONS

APP Control - iOS and Android



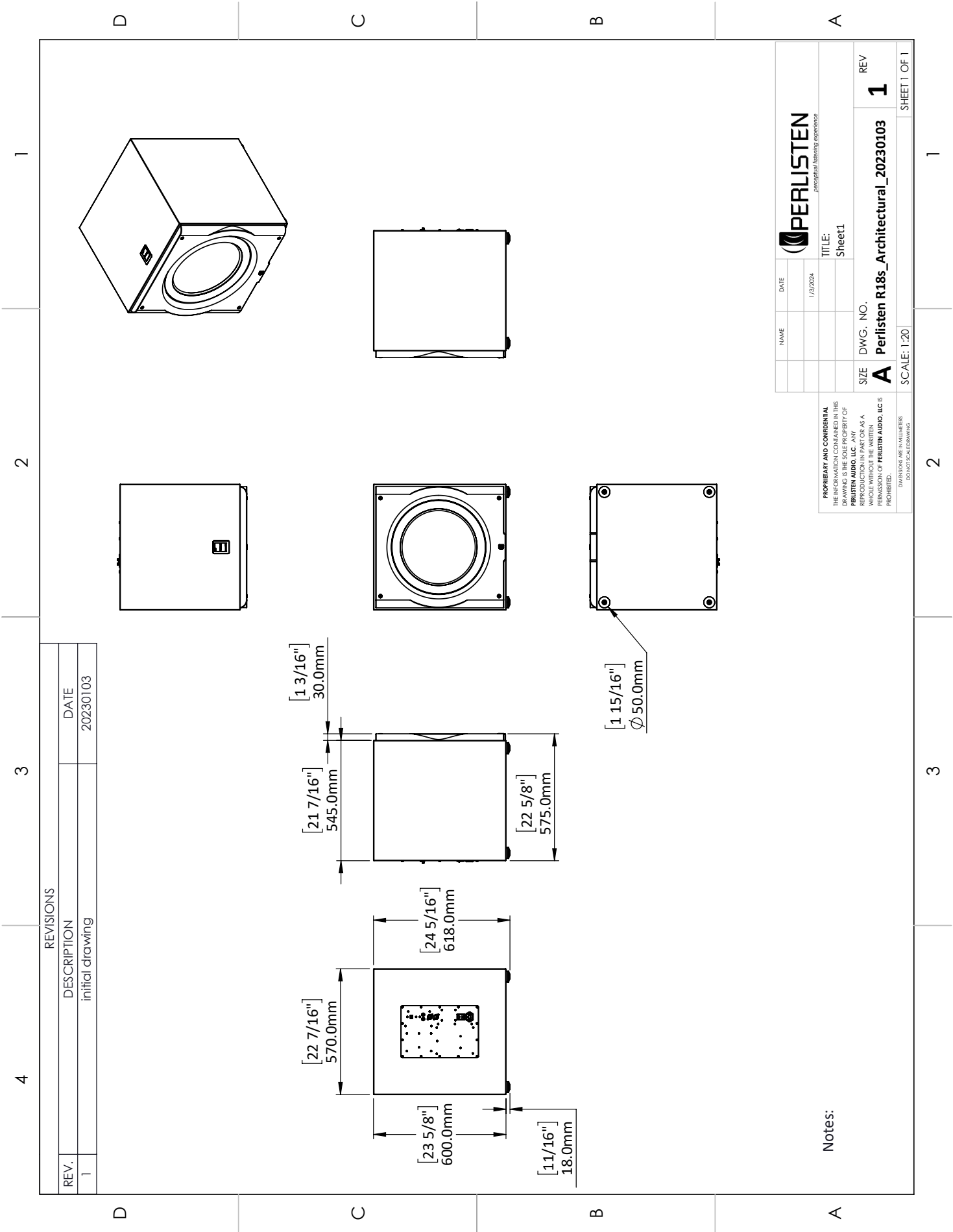
Advanced APP User interface - customizable turn-on controls and input selection, multiple PEQ's with presets.



Alignment	Acoustic suspension
Amplifier	1.0kW 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	460mm, Glass fiber diaphragm +/-23.7mm linear excursion
Reference sensitivity	95dB / 150mV/ 1.0m
Frequency Response	THX EQ 20-288Hz (-6dB) / 16-340Hz (-10dB) Boost (Large Room) EQ 16-288Hz (-6dB) / 14-340Hz (-10dB) Cut (Small Room) EQ 25-288Hz (-6dB) / 19-340Hz (-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 1, RCA
Dimensions overall (HxWxD)	618 x 570 x 575mm 24.3 x 22.4 x 22.6"
Weight	57.3 kg (126.1 lbs.)

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 1.0kW 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 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	20230103

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NAME	DATE	PERLISTEN <i>perceptual listening experience</i>	
	1/3/2024	TITLE:	Sheet1
SIZE	DWG. NO.	REV	1
A		Perlisten R18s_Architectural_20230103	
SCALE: 1:20		SHEET 1 OF 1	