

**MODEL**  
R10s SUBWOOFER

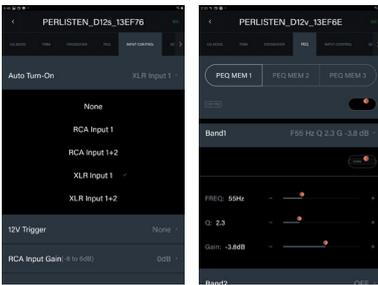


**TECHNICAL SPECIFICATIONS**

**APP Control - iOS and Android**



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



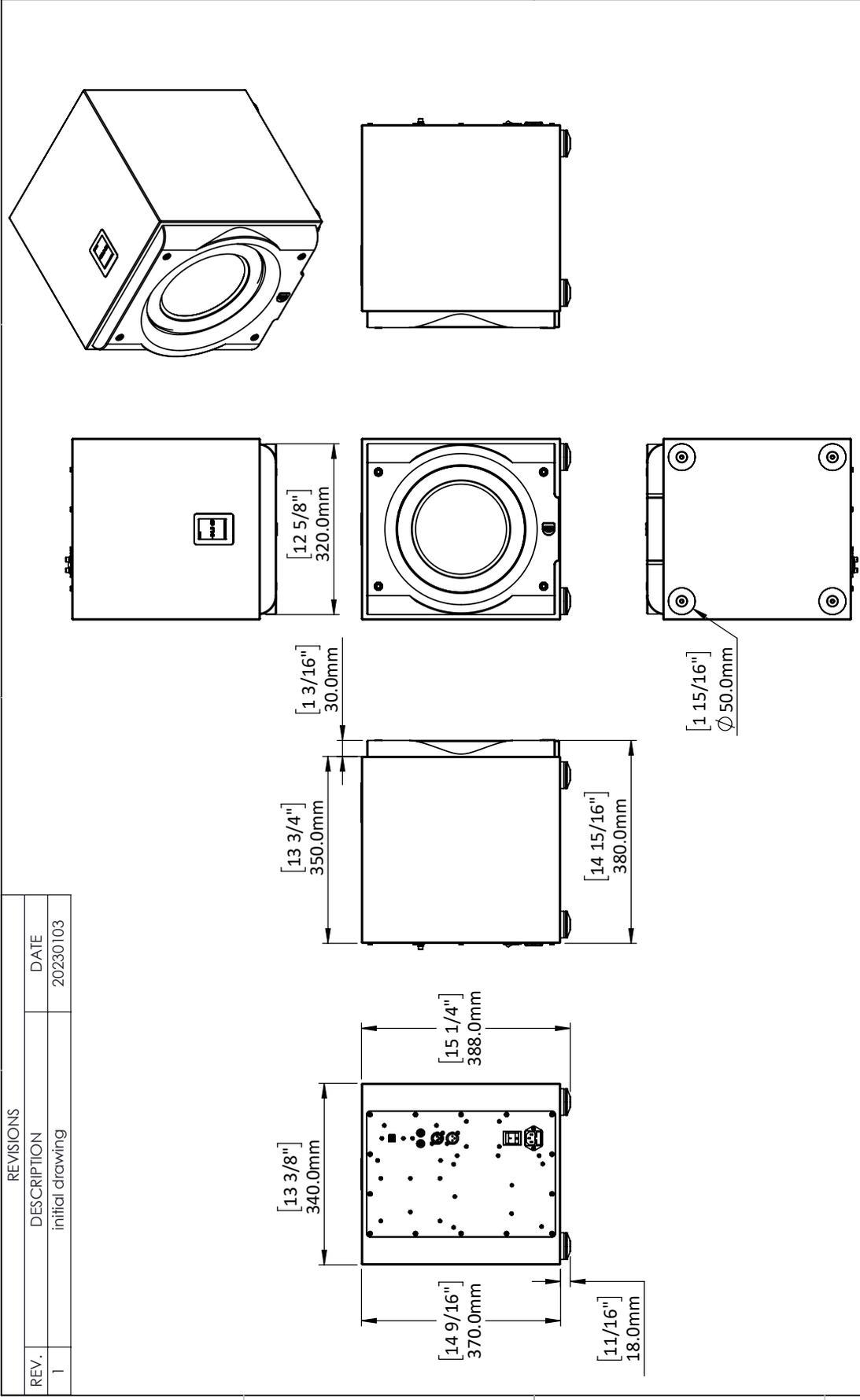
<b>Alignment</b>	Acoustic suspension
<b>Amplifier</b>	750W rms
<b>Display Interface</b>	2.4" LCD color touchscreen
<b>App</b>	iOS and Android
<b>Processor</b>	32-bit ARM Cortex M4, double precision floating point math
<b>DSP Engine</b>	Ti DSP 48-bit data paths
<b>Driver compliment</b>	250mm, Glass fiber diaphragm +/-20.0mm linear excursion
<b>Reference sensitivity</b>	88dB /150mV/ 1.0m
<b>Frequency Response</b>	THX EQ Boost (Large Room) EQ Cut (Small Room) EQ
<b>Inputs</b>	(1) Balanced XLR (1) Unbalanced RCA
<b>Outputs</b>	(1) Balanced XLR unbuffered (1) Unbalanced RCA unbuffered
<b>Parametric EQ</b>	10-Band PEQ with 3 user presets
<b>Low Pass filter</b>	bypass, 30-160Hz, slope 6,12,18,24dB/oct
<b>Phase</b>	variable 0-270°
<b>Polarity</b>	normal / inverted
<b>Configurable Auto turn-on and 12v Trigger</b>	XLR, RCA
<b>Dimensions overall (HxWxD)</b>	388 x 340 x 380mm 15.3 x 13.4 x 15.0"
<b>Weight</b>	21.0 kg (46.2 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, throttled back to 750W here to match the 10" driver, 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.

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REVISIONS	
REV.	DESCRIPTION
1	initial drawing



NAME	DATE	 <i>perlisten</i> <small>Architectural Audio Experience</small>
	1/3/2024	
TITLE:		Sheet1
SIZE	DWG. NO.	REV
<b>A</b>	<b>Perlisten R10s_Architectural</b>	<b>1</b>
SCALE: 1:10		SHEET 1 OF 1

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Notes:

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