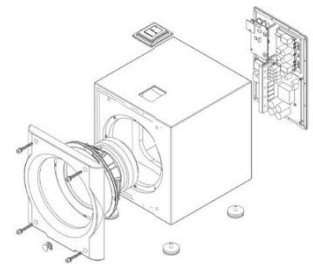
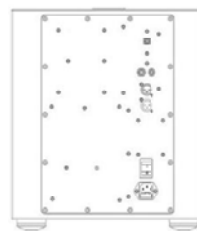
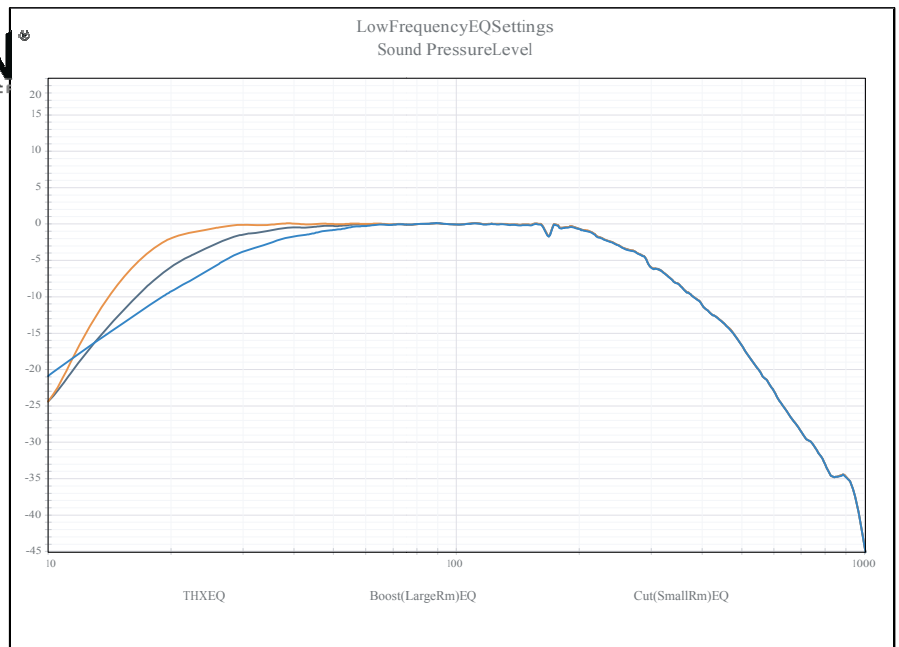
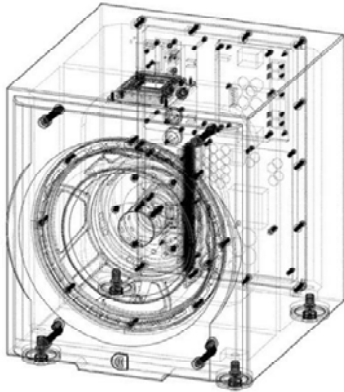




PERLISTEN
PERCEPTUAL SOUND EXPERIENCE



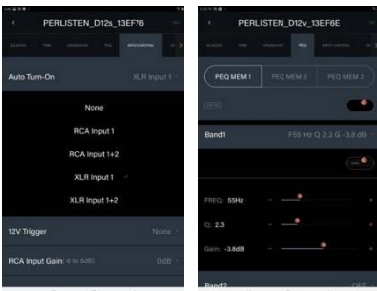
MODEL R10sSUBWOOFER

(R10s) TECHNICALSPECIFICATIONS

APPControl-iOSand Android



AdvancedAPPUserinterface-customizeableturn-on controlsand input selection,multiple PEQswithpresets.

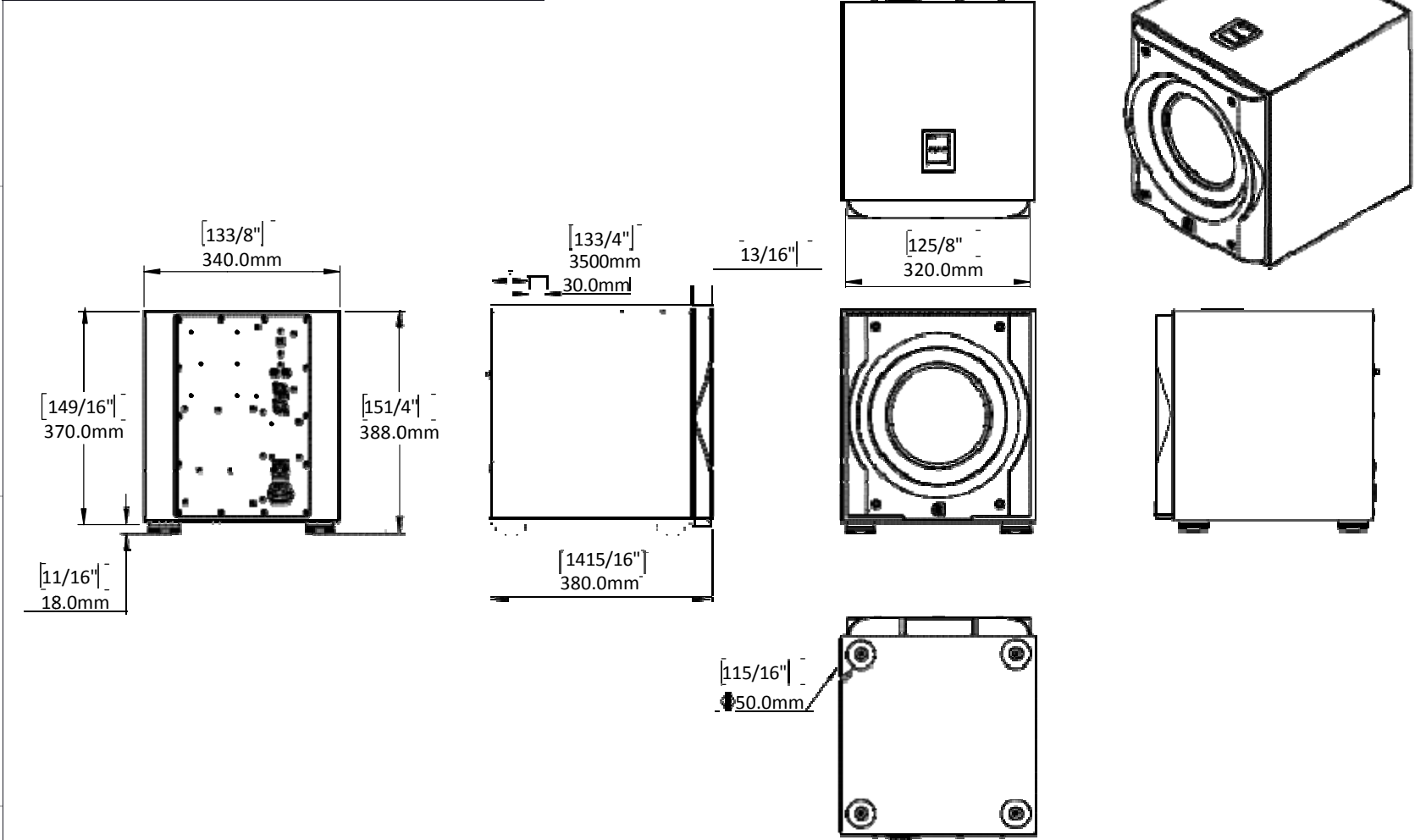


Alignment	Acoustic suspension
Amplifier	750Wrms
DisplayInterface	2.4"LCD colortouchscreen
App	iOSand Android
Processor	32-bitARMCortexM4,double precisionfloatingpointmath
DSPEngine	TiDSP48-bitdata paths
Driver compliment	250mm,Glass fiberdiaphrhm +/-20.0mmlinear excursion
Referencesensitivity	88dB/150mV/1.0m
FrequencyResponse	
THXEQ	20-301Hz(-6dB) /16-380Hz(-10dB)
Boost(LargeRoom)EQ	16-301Hz(-6dB) /14-380Hz(-10dB)
Cut(SmallRoom)EQ	25-301Hz(-6dB) /19-380Hz(-10dB)
Inputs	(1)BalancedXLR (1)UnbalancedRCA
Outputs	(1)BalancedXLRunbuffered (1)UnbalancedRCAunbuffered
ParametricEQ	10-BandPEQwith3user presets
LowPassfilter	bypass,30-160Hz,slope 6,12,18,24dB/oct
Phase	variable 0-270°
Polarity	normal /inverted
Configurable Auto turn-onand 12vTrigger	XLR,RCA
Dimensions overall (HxWxD)	388x340x380mm 15.3x13.4x15.0"
Weight	21.0kg(46.2lbs.)

DESCRIPTION

R-Series subs -Trickledown technologyfromourflagship D-Series, we'vedevelopedalineup ofsingle driverbasedsubwoofers.Ground up drivers developedbyourteam ofengineers.Glass fibercompositediaphragms, multiplealuminumshortingrings,massivemagnets,multi-layer Nomexspidersandlightweightaluminumvoicecoilwirearethekeyingredients-Proprietarynonlinear modelingtechniques allowustosimulate allthesecomponentsand then optimize forrealworlddriverperformance-freeairand inbox.Further refinementisdone withthe aidofour Klippelasermeasurementsystemtodialthings in. Poweredbyournew1.0kWamplifier,throttledbackto750Wwhere tomatchthe10"driver,all functionsandsafeties arecontrolledbya48-bitdatabathDSPand32-bitARMM4Cortexprocessor,ableto react inmicrosecondsensuringsonic accuracy.AllR-Series subs shareour2.4"LCDtouchscreenandabilitytocontrol advancesettingsusingourApp.

REVISIONS		
REV.	DESCRIPTION	DATE
1	initial drawing	20230103



Notes:

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DIMENSIONS ARE IN MILLIMETERS
DONOT SCALE DRAWING

NAME		DATE	 PERLISTEN <i>commercial listening experience</i>
		1/3/2024	
		TITLE:	
		Sheet1	
SIZE	DWG. NO.		REV
A	Perlisten R10s_Architectural		1
SCALE:1:10		SHEET1 OF1	



FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which

can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - Reorient or relocate the receiving antenna.
- - Increase the separation between the equipment and receiver.
- - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- - Consult the dealer or an experienced radio/TV technician for help. This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

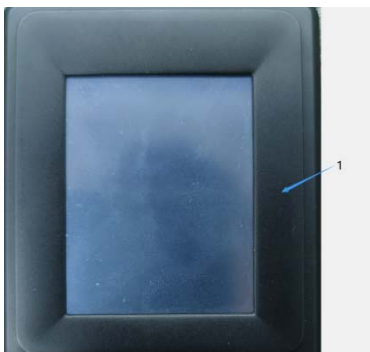
- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from the radiator to your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

1. Function Introduction

1.1: Turn off or Standby



1.2: Click the LCD screen to enter the Main Menu

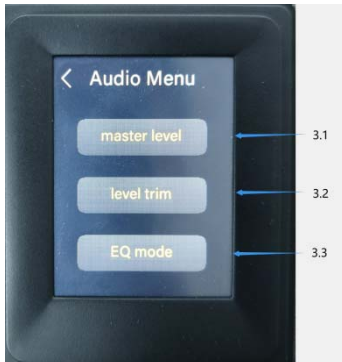


1.3: Audio Menu

1.3.1: Master level--12dB←0dB→20dB (Default: 0dB)

1.3.2: Level trim--3dB←0dB→3dB (Default: 0dB)

1.3.3: EQ mode: THX EQ (recommended), EQ Large Room , EQ Small Room



1.4: Setup Menu

1.4.1: Input setup (RCA/XLR)

1.4.2: LCD backlight (from 1 to 10)

1.4.3: About...(check the current DSP firmware version)

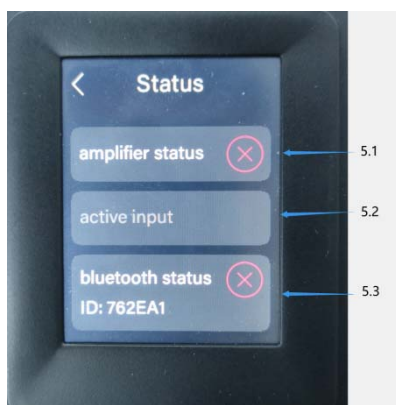


1.5: Status

1.5.1: Amplifier status: If signal input, shows a green "√"

1.5.2: Active input

1.5.3: Bluetooth status: If Mobile APP successfully connected, shows a green "√"

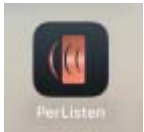


1.6.1: Test tone : Click "40Hz tone", the product itself makes a low-frequency sound of 100W.

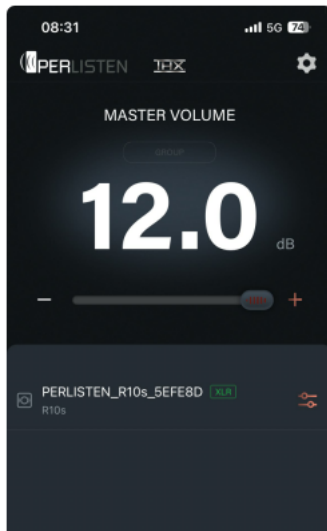


2: Mobile APP

2.1: iPhone: search and download “PerListen” app in the App Store; Android mobile phone: search and download “PerListen” app on Google



2.2: Click “PerListen” to enter the home page and search product name "R10S....." (Note: the subwoofer needs to be turned on).



2.3: Click  to enter the control page, set the parameters.

