

Technical Information

XR Series Specifications

Acoustic Performance

Frequency Response (-3 dB):	45 Hz – 22 kHz [XR624] 36 Hz – 22 kHz [XR824]
Sound Pressure Level @ 1 meter, +4 dBu into Balanced Input:	107 dB SPL @ 1m [XR624] 109 dB SPL @ 1m [XR824]
Maximum SPL Per Pair:	113 dB SPL @ 1m [XR624] 115 dB SPL @ 1m [XR824]

Transducers

Low Frequency:	6.5 in / 165 mm Kevlar® woofer [XR624] 8.0 in / 203 mm Kevlar® woofer [XR824]
High Frequency:	1 in / 25 mm black anodized aluminum tweeter

Amplifiers

Low Frequency Power:	100 Watts
High Frequency Power:	60 Watts
Type:	Class D power amplifier

Electronic Crossover

Crossover Type:	Linkwitz-Riley, 24 dB/octave
Crossover Frequency:	2.7 kHz [XR624] 2.2 kHz [XR824]

Equalization

Low Frequency EQ:	-3 dB @ 45 Hz [XR624] -3 dB @ 36 Hz [XR824] -3 dB @ 80 Hz
High Frequency EQ:	+2 dB @ 10 kHz, shelving
Acoustic Space Filter:	Whole: Flat Half: -2 dB @ 100 Hz Quarter: -4 dB @ 100 Hz

Input Types

Input Impedance:	20 kΩ balanced bridging 10 kΩ unbalanced
Input Type:	Balanced Differential (XLR and 1/4" TRS)
Input Protection:	RFI and Level Protected
Maximum Input Level:	+20 dBu

AC Power Requirements

AC Connector:	3-pin IEC 250 VAC, 16 A male 100 – 120 VAC, 50 – 60 Hz, 150W 220 – 240 VAC, 50 – 60 Hz, 150W
Fuse:	115 VAC: T 2.5 AL / 250 V 230 VAC: T 1.25 AL / 250 V
Auto On/Off Standby Mode	<0.5 Watts

Physical Dimensions and Weight

Enclosure:	All-wood MDF construction and internal cabinet bracing
Damping:	Open cell adiabatic "foam fill" acoustic batting
Finish:	Black wood grain vinyl and black paint

XR624:

Dimensions:	
Height:	13.1 in / 333 mm
Width:	8.6 in / 218 mm
Depth:	12.6 in / 320 mm
Weight:	23.4 lb / 10.6 kg

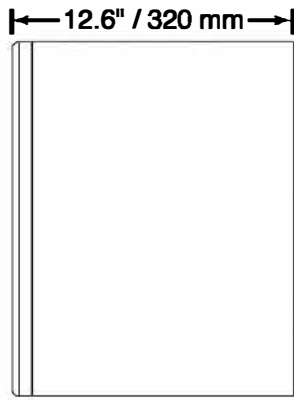
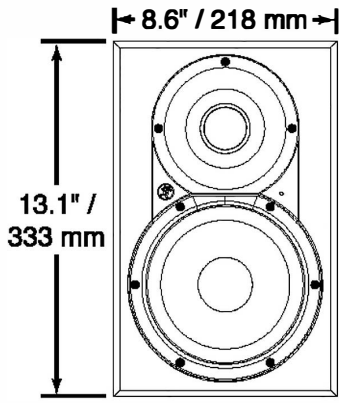
XR824:

Dimensions:	
Height:	16.8 in / 427 mm
Width:	10.8 in / 274 mm
Depth:	13.8 in / 351 mm
Weight:	34.6 lb / 15.7 kg

Disclaimer

LOUD Technologies is always striving to improve our products by incorporating new and improved materials, components and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

XR624 Dimensions



XR824 Dimensions

