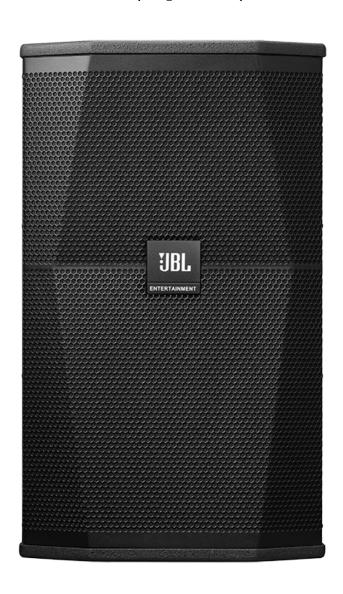


# Service Manual

KS12

12 " 2-Way Speaker System







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# XS12

### 12 Inch 2-Way Speaker System

#### **Professional Series**

#### **Key Features:**

- ▶ JBL 2414H-C 1" polymer diaphragm compression driver for crystal clear vocal reproduction
- JBL designed low frequency transducer brings higher power handling and stronger bass energy
- A precision-engineered passive network critically eliminates band overlap and reveals each note detail
- ▶  $100^{\circ} \times 70^{\circ}$  (H × V) horn for balanced coverage
- ▶ Rugged enclosure made from premium quality MDF
- Multiple high-strength suspension hardware for suspension installation
- Speaker pole receptacle for using with a tri-pod or subwoofer system
- High-strength edgy front grille protects the internal components from foreign objects or drink splash
- ▶ JBL Logo powered by PSL technology

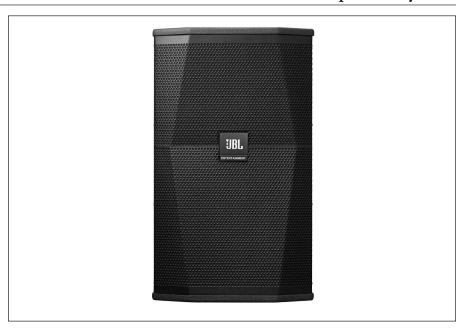


 For entertainment businesses, e.g. high-end KTV chain stores, clubs, etc.

XS12 is a vented 12-inch full-range speaker system designed by JBL Entertainment to satisfy the demand for powerful bass punch and pristine vocal at high-class KTV chain stores or clubs.

For the high notes, XS12 uses a patent JBL 2414H-C 1" polymer diaphragm compression driver not only for its crystal clear high and mid vocal but also its contribution to reliability of the entire system. For the bass part, JBL engineered a new high-efficiency transducer capable of handling high power and reproducing more low frequency energy than its peers. A precision-engineered passive network critically eliminates band overlap and does a great job bringing each sound detail into full play. Balanced coverage across the KTV room is guaranteed by a  $100^{\circ}\times 70^{\circ}~(\text{H}\times\text{V})$  horn, whenever the speaker is positioned in landscape or portrait mode.

XS12 houses all the acoustical components in a rugged enclosure made from premium quality MDF. Layout of components and transducers is an outcome of rounds of meticulous computing and simulation in order to achieve better frequency response in a more compact cabinet. Multiple high-strength suspension hardware and one speaker pole receptacle are provided to meet different installation requirements. The edgy front grille is machined from 18-gauge steel, for protection of internal components from foreign objects and drink splash. Just like else JBL entertainment signature – the illuminating logo powered by JBL PSL (Passive Sound Lighting) technology, which will be constantly on when the singer keeps singing to his/her mic.



#### **Specifications:**

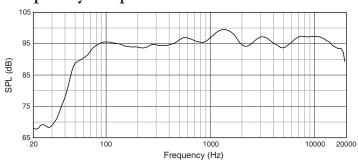
System:	
<i>.</i>	
System Type:	12", 2-way, bass-reflex
Frequency Range (-10 dB) <sup>1</sup> :	48 Hz – 20 kHz
Frequency Response (±3dB) <sup>1</sup> :	80 Hz – 18 kHz
System Sensitivity (1w@1m)1:	97 dB
Nominal Impedance:	8 Ω
Maximum SPL <sup>2</sup> :	122 dB (128 dB peak)
Power Rating <sup>3</sup> :	350 W / 700 W / 1400 W (continuous / program / peak)
Coverage Pattern:	$100^{\circ} \times 70^{\circ} (H \times V)$
Transducer:	
HF Driver:	1 × JBL 2414H-C
LF Driver:	$1 \times 12$ " woofer
Physical:	
Enclosure:	Trapezoid, 15 mm, MDF
Suspension Attachment:	13 points, M10 threaded hardware; 35mm OmniMount pole mount socket
Finish:	Textured paint, black
Grille:	Powder coated, 1.2 mm perforated steel
Input Connector:	1 × Neutrik Speakon° NL4MP
Dimensions (H $\times$ W $\times$ D):	600 mm × 359 mm × 388 mm (23.6 in × 14.1 in × 15.3 in)
Net Weight:	20.9 kg (46.1 lbs)
7. II. (/ ) I	

- 1 Full space  $(4\pi)$  conditions
- 2 Calculated maximum SPL based on rated power handling.
- 3 IEC standard, pink noise with 6 dB crest factor for 2 hours

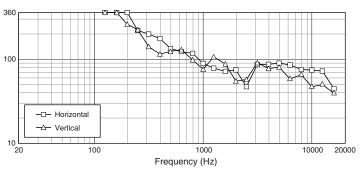
JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

# ► XS12 12 Inch 2-Way Speaker System

## Frequency Response:

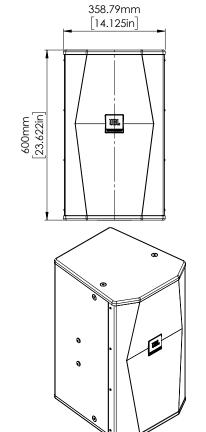


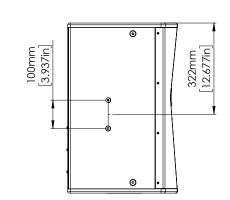
## Beamwidth:

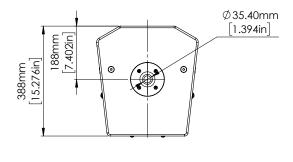


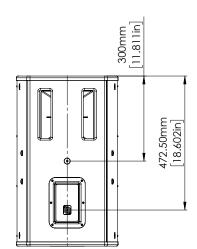
#### **Dimensions:**

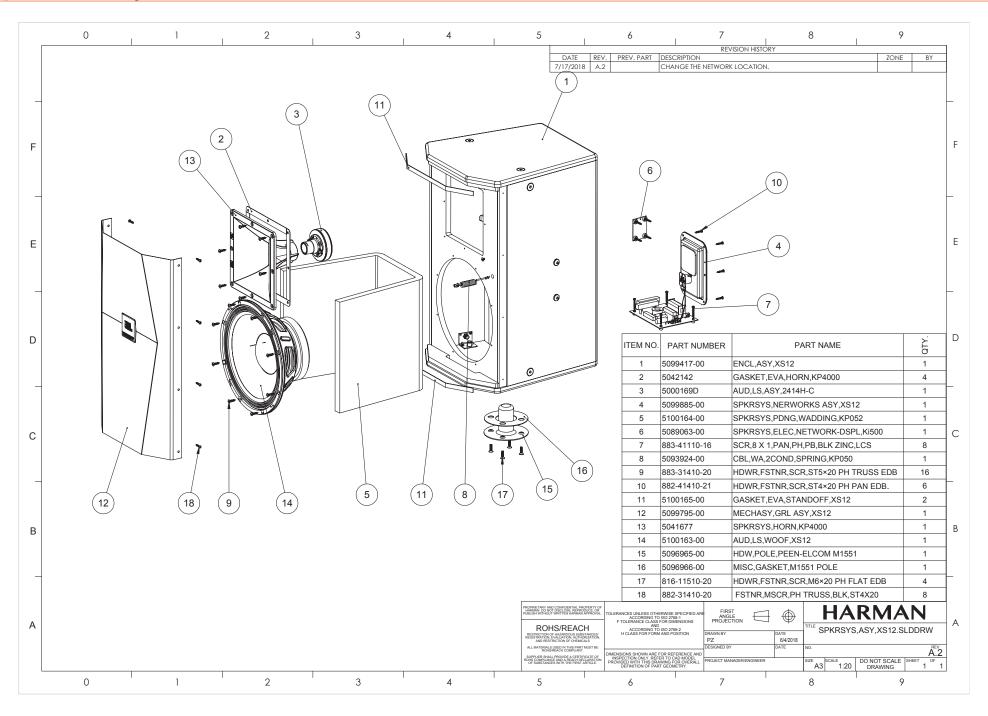
Dimensions in mm (inch)

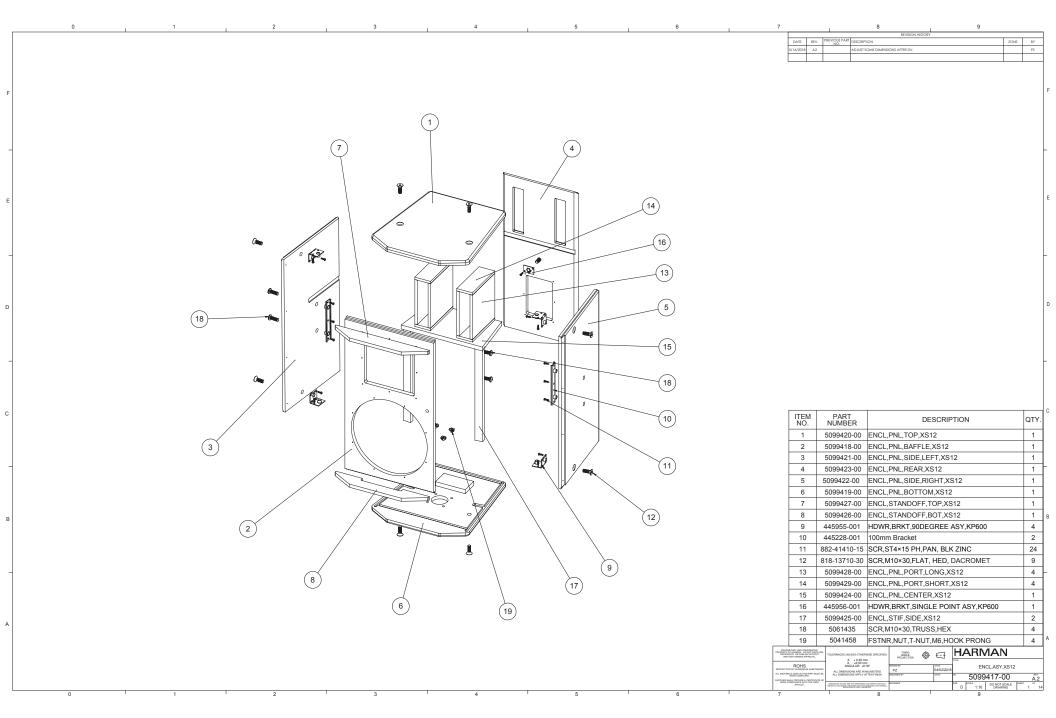


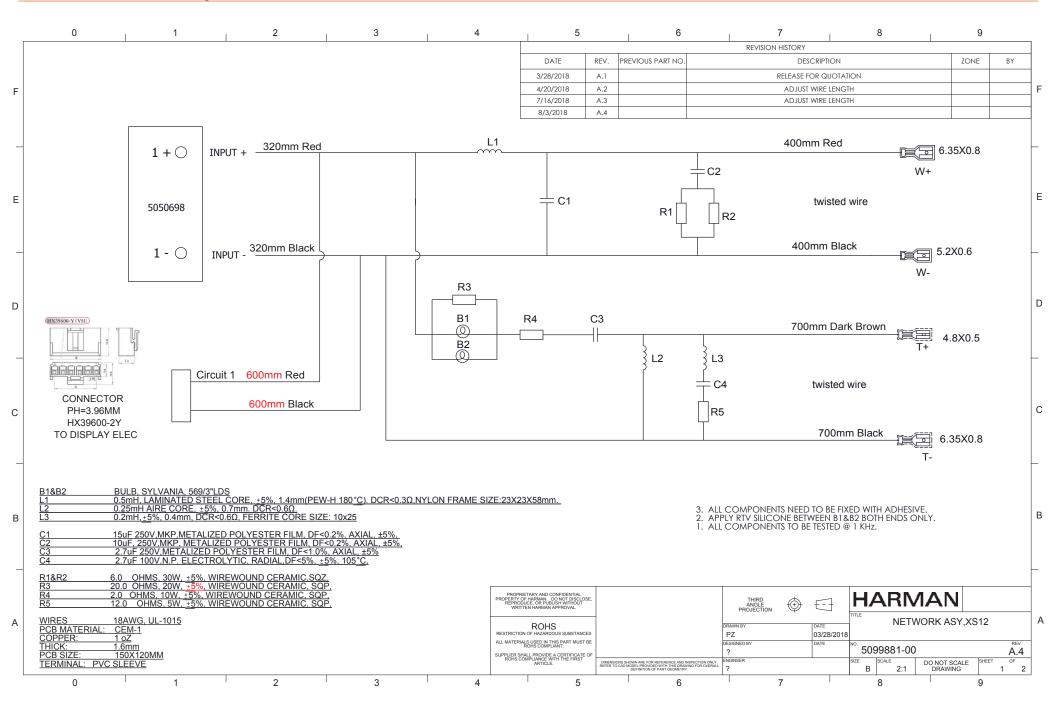












Refer to the corresponding Service Bill of Materials (SBOM) to order parts stocked by Harman.