

## MAIN FEATURES

- THROW >35 M
- CONSTANT FREQUENCY RESPONSE AT EVERY VOLUME LEVEL
- SPECIFICALLY DESIGNED FOR HIGH SPL APPLICATIONS
- AVAILABLE WITH TWO DIFFERENT HORNS (90°X60°, 60°X40°), BOTH ROTATABLE

## DESCRIPTION

The Loverbass X12 Mk3 is a high-performance active full-range system designed for outstanding reliability and sound quality in demanding contexts. It features an Eighteen Sound 12" neodymium woofer treated for waterproofing and anti-corrosion, ideal for intensive indoor/outdoor use. The Dual Gap technology on the voice coil allows for more linear inductance, significantly reducing heating and power compression. The system works with a high-power Eighteen Sound compression driver, featuring a 2.4" titanium diaphragm, 160W power, and 2.0 Tesla flux density, offering an extremely precise impulse response and 110 dB efficiency (1W/1m). Amplification is managed by a Powersoft bi-amplification module (800W + 400W RMS) with a damping factor exceeding 10,000, ensuring total control over the transducers. The integrated, ultra-low latency DSP manages five parametric bands for surgical frequency response optimization. The cabinet is made of 13-layer interlocked birch plywood, reducing flexures by 30%. The front honeycomb grille allows for superior air passage (>80%). The anti-UV, two-component polyurethane finish guarantees durable protection against atmospheric agents and transport damage.

## ACCESSORIES

### LoverBAG X12 MK3



Offers superior protection during transportation, reducing the risk of damage.

### Single point



Capacity 300 daN, Material galvanized steel

## AUDIO

System type: 2-WAY LOUDSPEAKER BY 12"  
 Sound pressure<sup>1</sup>: 137 dB peak SPL  
 Frequency response<sup>2</sup>: 52 Hz – 19.5 kHz (-6 dB) Half Space  
 Dispersion<sup>3</sup> (H x V): Rotatable horn, 40° x 60° or 60° x 90° (-6 dB)  
 Power handling<sup>4</sup>: 580 W aes / 2320 W Peak  
 Sensitivity (2.83V/1m): LF: 98.5 dB – HF: 110 dB

## AMPLIFIER

Amplifier type: 2-channel Class-D amplifier (Powersoft®)  
 Total power output: 800 W rms + 400 W rms  
 DSP functions: limiter, EQ presets, Delay (4 presets on board)

## TRANSDUCERS

LF driver: 12" cone driver, 2.5" double voice coil, neo magnet  
 HF driver: 1.4" neodymium compression driver, 2.4" titanium dome  
 Crossover frequency: 1.8 kHz (24 dB/oct.)

## CONNECTIONS

Signal: XLR F/M Balanced  
 Network: RJ-45  
 Power Socket: Neutrik® PowerCON input/output

## ENCLOSURE

Cabinet material: 15 mm birch plywood, textured paint finish, RAL 9005  
 Dimensions: 655 x 360 x 362 mm (H x W x D)  
 Net weight: 20 kg / 44 lbs

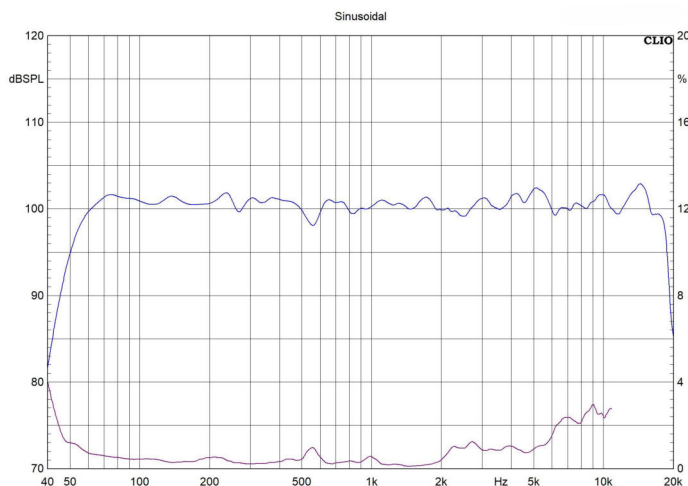
## POWER REQUIREMENTS

Power supply: 100-240 VAC ±10%, 50-60 Hz (universal switching PSU)  
 Power consumption<sup>5</sup>: 440 W

- 1 - Sound pressure: Peak SPL calculated by summing the acoustic intensity across the full spectrum.  
 2 - Frequency response measured as the range within which the power-averaged SPL stays within the stated tolerance. Narrow-band dips are excluded.  
 3 - Dispersion: defined by -6 dB points relative to the on-axis response.  
 4 - Power handling: 2 hours test made with continuous pink noise signal within the range Fs -10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.  
 5 - Power consumption: measured with filtered pink noise, 6 dB crest factor, into nominal load, according to AES2-2012 standard.



## Frequency response on the -20dBu axis at 1m and THD%



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