

# CX12A

## Presentation:

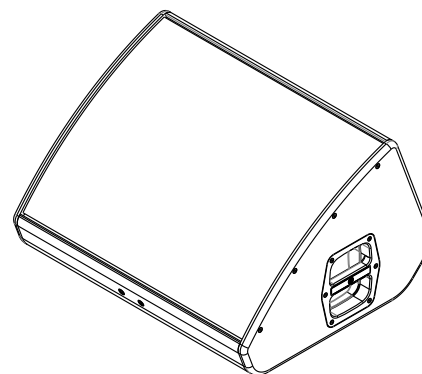
The SOUL stage monitor series delivers a complete sound reinforcement solution to fulfil the highest demands of audio professionals for both fixed installation and rental production markets.

This SOUL CX12A monitor is equipped with an European transducer having the LF element a 4in voice coil combined with the HF 2.9in voice coil matching the curvilinear profile LF cone that provides smooth response within its intended frequency range and the integrated HF compression driver that has been designed to give smooth coherent wave front in the horn entrance in all working frequency range for a surprising performance.

As self-powered system, the CX12A incorporates a 2-channel Class D amplifier and a DSP for real time operation according to different environments and music styles. With 4 user-defined presets than can be selected on the rear panel, the class D amplifier is prepared for 85-264Vac global mains voltage (SMPS with PFC) and features various electronic protections to guarantee the use of the speaker system in perfect sound and safe operation.

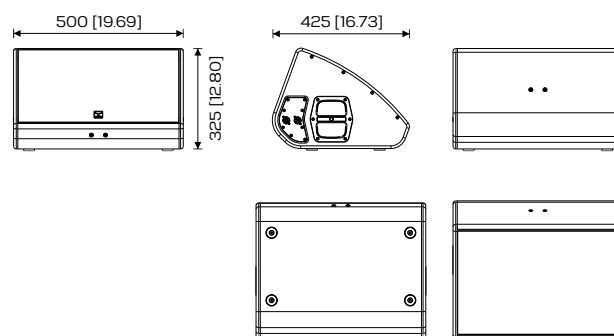
To make it portable and flexible, there is a pole mount in one side and for the passive versions a speakon connector attached to link another monitor.

The SOUL series is the perfect solution for sound reinforcement applications such as front of house, floor monitor and distributed systems.



## Features:

- Professional coaxial stage monitor
- 12" LF (4in VC) + 2.9" HF voice coil European transducers
- Faithful dynamic response and great range
- 2-channel Class D amplifier with integrated DSP
- Universal 85-264Vac mains, SMPS with PFC
- Integrated Ø35mm pole mount
- Rugged and durable 15mm birch plywood construction
- Powder coated custom perforated steel grille
- Elegant looking professional enclosure



Dimensions in mm [in]

## Technical specifications:

### Acoustical

Type	2-way active coaxial stage monitor
Enclosure design	Wedge cabinet - bass reflex
Power rating (RMS/Peak)	400W / 80W (AES) 1600W (Peak)
Frequency range	80 - 20kHz (10dB)
Nominal impedance	N/A
Transducer type	12" coaxial EU transducer LF 4in VC + HF 2.9in VC
Dispersion	80° Axisymmetrical (conical)
Crossover frequency	DSP controlled with selectable presets
SPL (1W/1kHz)	128dB @ 1m

### Mechanical

Enclosure	15mm birch plywood, rugged polyurea coating
Grille	Custom perforated metal grilles w/ acoustic foam
Color	Black or white textured
Hardware	2 side handle, 4 rubber feet Wallmount bracket (optional)
Dimensions	500x425x325   19.69x16.73x12.80in
Weight	28Kg   61.73lb

### Amplifier Module

Type	2-channel Class D
Output Power	800W + 400W (continuous)
Internal Processing	Fully programmable DSP 48KHz sampling frequency 24 bit AD/DA converter
Audio input/output	XLR/Jack combo connector XLR/M 3p
Indicators	Power, signal/preset, status, clip
Controls	Master level control, 4 selectable presets
AC Mains	SMPS with PFC, 85-264Vac universal mains
AC Mains connector	Neutrik® powerCON, Power-in/Power-out
Protections	Over current, short circuit, thermal, DC and HF

