

Features

- ▶ Remarkable sound, remarkable power, and remarkable style in a lightweight, durable enclosure
- ▶ 1100 Watts of power using Class D technology
- ▶ 131 dB maximum sound pressure level
- ▶ Custom engineered 1.75" pure titanium compression tweeter and 12" long-throw composite woofer
- ▶ Flat frequency response between 45 Hz and 22 kHz
- ▶ Impact-resistant polymer enclosure
- ▶ Tour-grade 18 gauge steel grille
- ▶ M10 rigging points for suspension installation
- ▶ Dual angle 35mm pole mount with 8 degree tilt option for extended audience reach
- ▶ Treble/bass equalizer controls and adjustable low cut
- ▶ Two channel Neutrik combo jack inputs and XLR output

Overview

Phonic's Inception 12A establishes a new paradigm for molded powered speakers. The Inception's 1100 Watt amplifier uses Class D technology to produce a shattering 131dB maximum SPL, providing sufficient power for a wide range of venues. The Inception's lightweight design, ergonomic handles, M10 suspension fly points, and dual pole mounts give the unit exceptional portability. Phonic transducer engineers designed a high BL force factor woofer and a 1.75" pure titanium compression tweeter to achieve the Inception's astonishingly wide sound stage and a vivid, transparent signature sound. The Inception's polymer enclosure and stunning vertical curvatures also improve acoustic accuracy by minimizing distortion and diffraction. Finally, reliability and durability were paramount throughout the Inception's development. The Inception has logged more than 1000 gruelling hours of lab and real-world tests to ensure that it survives even the most difficult applications. With 1100 Watts of ground shaking power, a 2-channel on-board mixer, custom engineered transducers, and great versatility, the Inception 12A simply excels.

Woofers and Tweeters Engineered Right

Inception transducers are designed from scratch – tailor made for the Inception's unique enclosure. Everything from the cone pulp, the curvature of the tweeter's titanium membrane, the Kapton voice coil, to the characteristics of the magnetic field, is uniquely Phonic, uniquely Inception. The Inception's state-of-the-art 12" woofer has a high BL force factor and a long-throw extension which produce marvellously deep and defined bass traditionally unattainable in small enclosures. The 1.75" pure titanium compression tweeter and 80 degree conical horn complete the Inceptions vivid, transparent sound signature.



Advanced Active Electronics

With over 35 years of experience, Phonic has few equals when it comes to advanced electrical engineering. With the Inception 12A, this cumulated expertise is on display. Core features include:

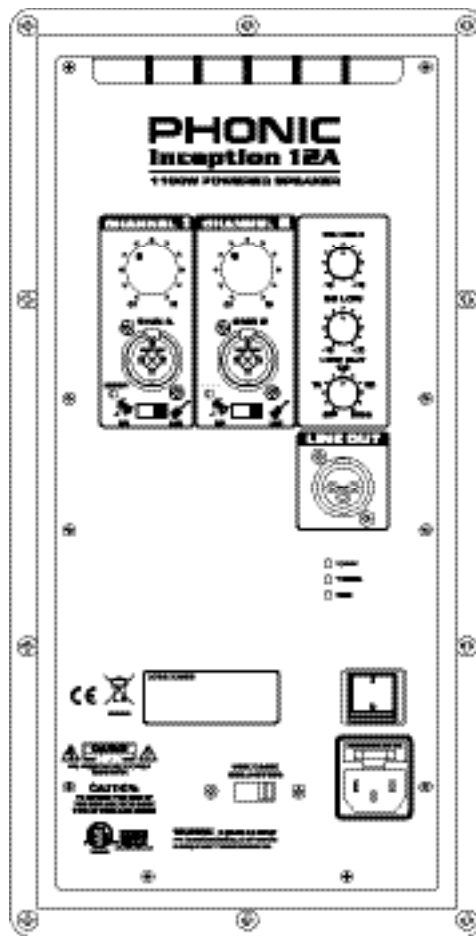
- ▶ Time alignment and phase correction: In listening tests, many notice that the Inception seems more "real" or more "live" than other speakers. This is because Phonic's active electronics ensure that sounds from the Inception hit listeners' ears at the precise moments the original recording intended.
- ▶ High Dampening Factor and Woofer Stabilization: The Inception has a high amplifier dampening factor to ensure that the woofer reaches optimal excursion. Additionally, Phonic engineers added circuitry to manage the speaker's electrical feedback, in effect stabilizing woofer moment. The high amplifier dampening factor and stabilization circuitry give the Inception its spectacular bass depth.
- ▶ Transducer Protection: Active electronics oversee tweeter and woofer excursion, preventing audio artifacts, distortion and speaker damage.
- ▶ 4th order, phase-accurate Linkwitz-Riley crossover.

INCEPTION 12A

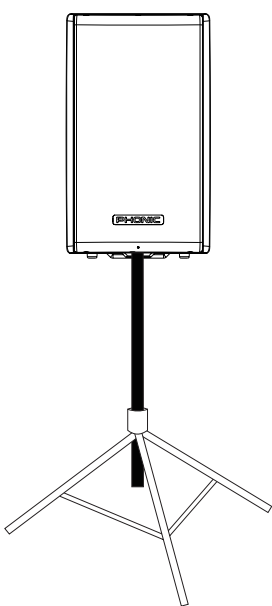
Professional Active Loudspeaker

Amplifier Module I Applications

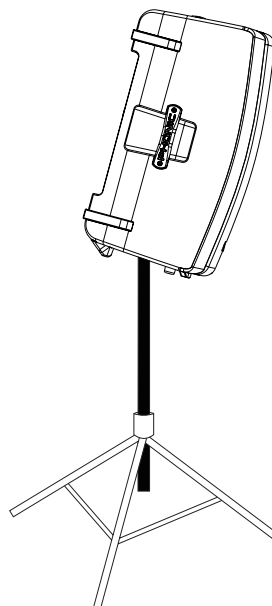
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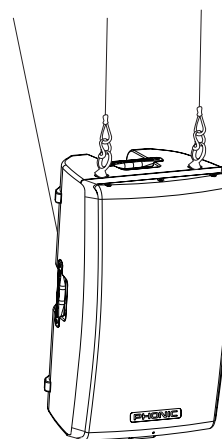
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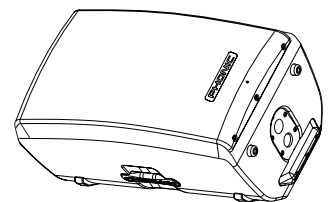
Standard 35mm
pole mount



8° downtilt option for
extended sound projection



Suspended from integrated
M10 installation points



45° floor monitor
position

Information in this document is subject to change without notice.

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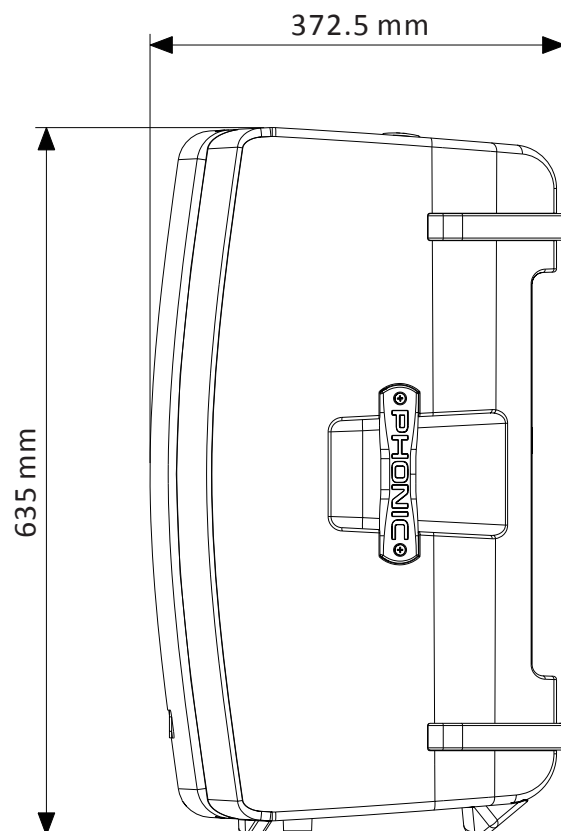
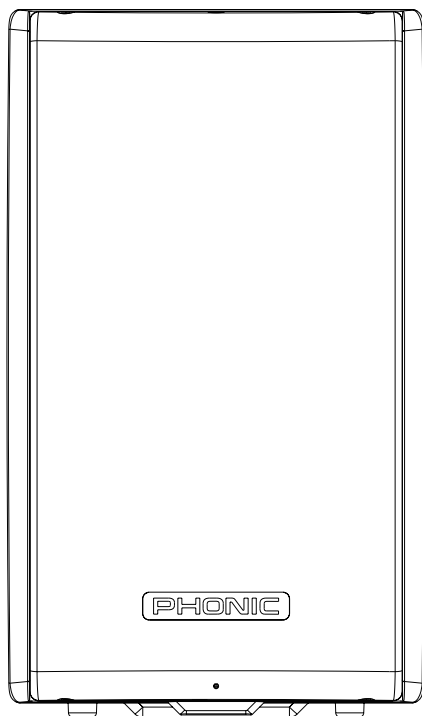
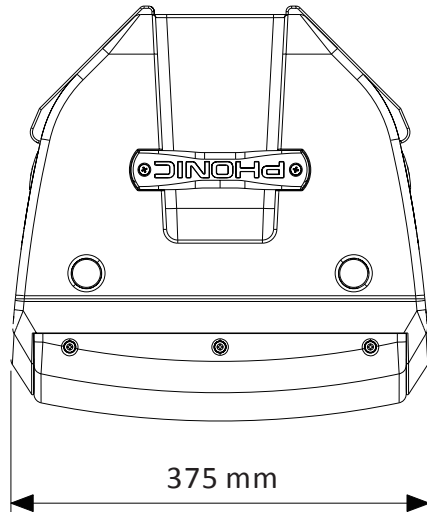
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INCEPTION 12A

Professional Active Loudspeaker

Dimensions

Inception 12A



INCEPTION 12A

Professional Active Loudspeaker

Specifications

Inception 12A

Configuration	2-Way Stage Speaker/45 Degree Floor Monitor
Transducers	
Low Frequency Cone	12" Paper/Fiber Composite Woofer
High Frequency Cone	1.75" Pure Titanium Compression Horn
Frequency Response	
Frequency Response (-6 dB)	48 Hz - 20 kHz
Frequency Response (-10 dB)	45 Hz - 22 kHz
Nominal Coverage	80 Degree Conical
Maximum SPL	131 dB
Amplifiers	
Amplifier Technology	Class D Low Frequency / Class AB High Frequency
Amp Total Output <1% THD	550 Watt RMS <0.1% THD / 1100 Watt Peak
LF Output <1% THD	450 Watt RMS <0.1% THD / 900 Watt Peak
HF Output <1%THD	100 Watt RMS <0.1% THD / 200 Watt Peak
Controls	Power, Gain A, Gain B, EQ High, EQ Low, Low Cut
Signal Indicators	Power, Signal A, Signal B, Thermal, Peak
Connectors	Two balanced XLR/TRS/mic (Combo) level inputs, balanced male line out, Power Connector
Enclosure	Impact resistant polymer
Grille	Black powder coated 18 gauge steel
Suspension / Mounting	Three M10 Suspension Points
Pole Mount	Dual angle 35 mm pole mounts with 8 degree tilt option for extended audience reach
Handles	3 PU Handles
Box Dimensions (HxWxD)	635 x 375 x 372.5 mm (25" x 14.8" x 14.7")
Unit Weight	19 kg (41.9 lbs)

Advanced Electronics

High dampening factor
Woofer stablizing circuitry
Phase correction
Time alignment
4th Order Linkwitz-Riley Crossover
Transducer Protection