



Overview

Engineered for the serious pro audio user, the CU15 is among the most advanced, most versatile and efficient high-powered compact PA enclosures available on the market today. The unparalleled clarity and precision of the patented Unity™ Summation Aperture conical horn, when combined with a high-performance 15-inch Neodymium woofer, delivers amazing intelligibility and performance unmatched by any competitive loudspeaker in this class.

The compact footprint and relative light weight of the CU15 easily make it a first choice for front-of-house applications also as a drum monitor, side fill, front fill and down fill, or virtually any situation where concert-quality sound reinforcement is required. In addition, sonic clarity and smooth frequency response also make the CU15 a great choice for recorded music playback applications. Even with the most demanding recorded programs, the CU15 has the high fidelity to put it on par with some of the best studio reference monitors. But unlike traditional reference monitors, the CU15 is capable of producing extremely high sound pressure levels from its high-efficiency 1000-Watt, 4 ohm format, all with sparkling clarity.

The CU15 comes with an advanced passive crossover for plug-and-play convenience, however it can be easily bi-amplified by way of a switch on the rear jack panel and the optional UP15 Unity™ processor. The UP15 is designed specifically to optimize the CU15's sonic characteristics and to ensure trouble free bi-amp operation, with or without a Unity or élite series subwoofer for extended low frequency support.

The cabinet's trapezoidal shape was designed with multi-box, tight-packed arraying in mind. As well, due to the nature of the conical horn, the polar pattern remains quite constant on all axis, making it ideal for use upright or on its' side, with no need to rotate the horn.

To further facilitate installation of the CU15 in virtually any application, we also offer the FH1W flying hardware which can be used to fly cabinets in clusters of two or three box arrays.

The Unity CU15 enclosure is entirely constructed of solid 15mm 11-ply birch finished in durable white paint, designed to be painted over as you desire. It also features a heavy-gauge perforated metal grille to protect the components. Multiple reinforced flypoints make it extremely easy to install on any angle, hung as a single cabinet or in an array.



Features

- 2000 Watt 3-Way Full Range Loudspeaker (1000 Watts Program)
- Max SPL 135dB Peak (129dB Continuous)
- Unique 60° x 60° Unity™ horn assembly combines mid and high frequency drivers on conical horn
- All four component drivers mounted in a Unity™ horn are mechanically time-aligned to measure and act like a single point source
- No self-interference between individual loudspeaker components
- Nine rigging points and internal standmount adapter allow for all possible mounting and flying configurations
- 15mm 11-ply birch cabinet construction
- Integrated Flypoints on all corners, plus pullback point, 17 in all
- Speakon, binding post and 1/4-inch inputs
- Optional flying hardware available (FH1W)
- White paintable finish
- Made in Canada



Specifications

System Type	Three-Way
Active or Passive	Passive
Program Power (Watts)	1000 Watts (2000 Watts Peak)
Biampable	Yes
Nominal Impedance (Ohms)	4
Sensitivity (dB @1Watt/1m)	98
Max SPL (dB)	131dB Peak (128dB Continuous)
Frequency Response (Hz +/- 3dB)	50 - 20k
Crossover Frequency (Hz)	300 / 1250
Driver Configuration	15 inch / 3x5 inch / 1.75 inch
HF Driver(s)	1.75 inch polyester
HF Impedance (Ohms)	8
HF Horn	Conical Unity™ horn (1 inch throat)
HF Dispersion (°H x °V)	60 x 60
HF Protection	PTC™
MF Driver(s)	3 x 5 inch ceramic 1 inch voicecoil
MF Horn	Conical Unity™ horn
MF Dispersion (°H x °V)	60 x 60
LF Driver(s)	15-inch w/ 3-inch voicecoil
LF Impedance (Ohms)	4
Inputs - 1/4" Jacks	2
Inputs - Speakon 4-pin	2
Inputs - Binding Post	1
Flying Hardware	3/8inch x 17
Enclosure Materials	15mm 11-ply Birch
Grille	Perforated Metal
Covering / Finish	White two-part epoxy
Processor (optional)	UP15
Dimensions (DWH xbackW, inches)	16.25 x 19.25 x 34 x 9.5
Dimensions (DWH xbackW, cm)	42 x 49 x 87 x 24
Weight (lbs/kg)	77.6 / 35.2

Specifications subject to change without notice