



unity

Passive Series

U215

Overview

Engineered for the serious pro audio user, the U215 is among the most advanced, most versatile and most efficient high-powered portable P.A. boxes available on the market today. The U215 is a radical loudspeaker cabinet design utilizing the patented Unity™ Summation Aperture Horn Technology invented by loudspeaker designer Tom Danley.

The U215 provides remarkably even high/mid frequency distribution from its 60° x 60° horn assembly. The combination of that conical, constant directivity horn, dual 15-inch high powered woofers and our unending attention to details, right down to the ideal trapezoidal cabinet design, has yielded an extremely versatile speaker. The U215's Unity™ horn combines a single 1-inch-throat (1.75" diaphragm) compression driver with three 5-inch ceramic magnet midrange drivers firing through time-aligned slots in the horn-wall. This seamlessly blends the mid and high frequencies while providing exceptional power capacity and clarity from 300Hz to 20kHz.

The U215 comes with a high-definition passive crossover featuring our exclusive PTC™ non-interruptive horn protection. However it can be easily bi-amplified thanks to a switch on the rear jackplate, and with the optional UP215 Unity™ processor, designed specifically to optimize the sonic characteristics of the U215. The UP215 has been developed to ensure trouble free, "plug-and-play" operation whether the U215 is being run in passive or active bi-amped mode. It further offers a subwoofer output.

The ultra efficient U215's trapezoidal enclosure provides a compact footprint that easily finds its home as a FOH speaker when deployed vertically on stage or on scaffold staging, either singly or in tight-packed arrays. Alternately, with its built-in flypoints, the U215 can be flown vertically or horizontally in touring or fixed systems. Other possible applications include side fill, front or down fill or virtually any situation where a professional quality sound reinforcement enclosure is required. In fact, the U215's unparalleled sonic clarity and smooth frequency response also make it ideal for music playback. With pre-recorded music the U215 has the hi-fidelity to put it on par with some of the best studio reference monitors. But unlike traditional studio monitors, the U215 is capable of putting out very high sound pressure levels without audible distortion.

The MTM (Mid-Top-Mid) cabinet design was chosen as the perfect vessel for the U215 drivers. An MTM design is ideal as it makes the most efficient use out of the Unity™ conical horn. This allows for better imaging and balanced summation between horn and subwoofers. The trapezoidal footprint is identical to the U15 allowing them to be mated together in a variety of ways where an unconventional cabinet array is required. It accomplishes this while still maintaining the ideal array angle to best couple multiple cabinets.



We employed extensive Research and Development using the latest in Acoustical Measurement and Modeling software to ensure that all of the Unity™ Series cabinets function equally on their own or in tight pack cluster arrays. Flying is possible with the addition of an optional ATM™ Flyware bumper system, allowing tight-pack horizontal arrays of up to 3 cabinets at the optimum splay to maximize the Unity™ horn's dispersion pattern while minimizing phase-induced lobing.

U215 - Black Ozite (Carpet) Finish

U215B - Black Ultrathane (Painted) Finish



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Features

- 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
- Biamp mode switch
- Ten rigging points allow for all possible mounting and flying configurations
- 15mm 11-ply birch cabinet construction
- Two-year unconditional warranty
- Made In Canada





Specifications

System Type	Three-Way
Active or Passive	Passive
Program Power (Watts)	1800 Watts (3600 Watt Peak)
Biampable	Yes
Nominal Impedance (Ohms)	4
Sensitivity (dB @1Watt/1m)	98
Max SPL (dB)	134dB Peak (130 Continuous)
Frequency Response (Hz +/- 3dB)	45 - 20k
Crossover Frequency (Hz)	300 / 1250
Driver Configuration	2x15-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)	2x15-inch w/ 3-inch voicecoil
LF Impedance (Ohms)	4
Inputs - 1/4" Jacks	2
Inputs - Speakon 4-pin	2
Flying Hardware	3/8inch x 9 (all corners 1 pullback)
Bar Handles	2 Side
Enclosure Materials	15mm 11-ply Birch
Grille	Perforated Metal
Covering / Finish	Black Ozite (Carpet)
Optional Covering / Finishes	Black Ultrathane Paint (U215B)
Dimensions (DWH xbackW, inches)	16.25 x 19.25 x 50 x 9.5
Dimensions (DWH xbackW, cm)	42 x 49 x 127 x 24
Weight (lbs/kg)	113.8 / 51.6

Specifications subject to change without notice