Unity™ U15

15-inch Passive Loudspeaker Cabinet

Features:

➲ **2000 Watt 3-Way Full Range Loudspeaker (1000 Watts Program)**

➲ **Patented 60º x 60º Conical Unity™ Horn Assembly**

➲ **Delivers Max SPL of 131dB Peak (128dB Continuous)**

➲ *Unity™ horn combines mid and high frequency drivers on one conical horn.*

➲ *All four component drivers mounted in a Unity™ horn are mechanically time-aligned and act like a single point source.*

➲ *No self-interference occurs 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.*

➲ *Two-year unconditional warranty**

*Warrany valid in Canada and the United States only

Overview:

Engineered for the serious pro audio user, the U15 is among the most advanced, most versatile and most efficient high-powered compact PA cabinet available in the market today. The unparalleled clarity and precision of the patented Unity™ Summation Aperture conical horn when combined with the single 15-inch woofer deliver extreme intelligibility and performance unmatched by any competitive loudspeaker in this class.

The compact footprint and relative light weight of the U15 easily makes it a first choice for front-of-house applications, drum monitor, side fill, front and down fill or virtually any situation where a professional quality sound reinforcement system is required.

The sonic clarity and smooth frequency response also makes the U15 a great PA cabinet for high volume recorded music playback applications. With pre-recorded music the U15 has the hi-fidelity to put it on par with some of the best studio reference monitors. But unlike traditional studio reference monitors, the U15 is capable if putting out extremely high sound pressure levels from its high-efficiency 1000-watt (Program), 4 ohm format.

The U15 can be easily driven as a bi-amplified loudspeaker by way of a switch on the rear jack plate, and used with any Unity or élite series subwoofer for extended low frequency support. The UP15 Unity™ processor, designed specifically to optimize the sonic characteristics of the U15 has also been developed to ensure trouble free, "plug-and-play" full range or Bi-amp operation with or without a subwoofer.

The cabinet's trapezoidal shape was designed with multi-box, tight pack arraying in mind. Due to the nature of the conical horn, the polar pattern remains quite constant regardless of any vertical, or off axis rotation put upon it. It acts the same on all vertical axis, making it ideal for use upright or on its' side, without the need to ever rotate the horn.

The Unity U15 is made with solid 15mm 11-ply birch plywood cabinet construction and has heavy gauge perforated metal grille to protect the components. Integrated bar handles and stand-mount adaptor makes it an ideal cabinet for highly mobile front-of house applications where quick and easy set-up and tear down is required. Integrated flypoints allow Unity U15 to be flown in any array or installation quickly and safely. The U15 is available in two cabinet finishes including a rugged black Ozite carpet covering, ideal for mobile PA and rental houses (U15), or in a black painted finish (U15B) more suited to installation or touring systems.

Unity™ U15 Specifications:

Model	U15
SYSTEM TYPE	Passive 3-Way
BIAMPABLE	YES
PROGRAM POWER (watts)	1000 Watts (2000 Watts Peak)
BI-AMP POWER	800 LF / 200 HF (Program)
IMPEDANCE (ohms)	4
FREQ. RESPONSE (Hz +/- 3dB)	50 - 20000
SENSITIVITY (dB@1W/1m)	98
MAXIMUM SPL (dB)	131dB Peak (128dB Continuous)
X-OVER FREQUENCY (Hz)	300 / 1250
DRIVER CONFIGURATION	15" / 3 x 5" / 1 x 1.75"
LF DRIVER(S)	15" / 3" voice coil
MF DRIVER(S)	3 X 5" / 1" voice coil
HF DRIVER(S)	1.75" polyester
HIGH / MID HORN CONFIGURATION	Conical Unity™ Horn
HIGH / MID HORN DISPERSION (H° x V°)	60 x 60
HF HORN THROAT DIAMETER	1"
HF PROTECTION	PTC™
CONSTRUCTION	15mm 11-ply Birch
GRILLE	Perforated Metal
STOCK FINISH	Black carpet
OPTIONAL FINISH	Black Ultra-thane paint (U15B)
INPUTS (1/4" / Speakon™)	2 / 2
HANDLES	2 Side Bar
FLYWARE TYPE / QUANTITY	3/8" / 9
FLYWARE LOCATIONS	All corners / 1 pullback
OPTIONAL ACCESSORIES	Unity™ UP15 Processor
HARDWARE	Stand mount adaptor
DIMENSIONS (DxWxHxBW inches)	16.25 x 19.25 x 34 x 9.5
DIMENSIONS (DxWxHxBW cm)	42 x 49 x 87 x 24
WEIGHT (lbs / kg)	80 / 36