



Unity™ U15P

15-inch Powered Loudspeaker Cabinet

Features:

- ▷ **900 Watt Active Loudspeaker Cabinet**
- ▷ **Unique 60° x 60° Unity™ Horn Assembly**
- ▷ **15-inch Neodymium Woofer with 3-inch Voice Coil.**
- ▷ *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 adaptor allow for all possible mounting and flying configurations.*
- ▷ *15mm 11-ply birch cabinet construction.*
- ▷ *Two-year unconditional warranty**

**Warranty valid in Canada and the United States only*



Overview:

Since its introduction in late 2003, Yorkville's Unity™ Series has well established itself as one of the most advanced, most versatile and most efficient high-powered portable PA cabinet designs currently available. The radical Unity™ Summation Aperture Horn Technology provides remarkably even high / mid frequency distribution from the 60° x 60° horn assembly, delivering unmatched clarity and definition from a loudspeaker box.

The next step in the evolution of the Unity™ line is the addition of an active loudspeaker cabinet. Building on the popularity of the single 15-inch and horn Unity™ U15, the logical step was to offer that highly successful passive cabinet in a radically redesigned active version. The result is the 900-watt three-way 15-inch and horn U15P.

The radical nature of the Unity horn required a radical power amp solution to ensure optimum performance from the system. An integrated DSP provides three-way internal crossover, time alignment, component protection, limiting and an extremely accurate overall cabinet EQ. Time delayed output for accurate subwoofer alignment ensures the Unity U15P delivers maximum impact in systems where complex external processing isn't the preferred set-up solution.

The U15P uses a combination of amplifier topographies to ensure reliability and superior loudspeaker performance. Two Class A/B amplifier modules deliver 150-watts each to the 1.75-inch horn driver, and to the three 5-inch ceramic drivers that make up the Unity horn assembly. An additional three-tier designed amplifier module delivers 600-watts to the 15-inch neodymium woofer.

The U15P is built using 5/8-inch birch plywood cabinet construction. Integrated bar handles and standmount adaptor allows the U15P to be quickly and easily integrated into any mobile live PA system. The cabinet's unmatched clarity and performance make an ideal choice as a repeater cabinet in large rooms and concert halls. Integrated flypoints allow the U15P to be flown in multi-cabinet arrays or installations without modification to the box. The cabinet's trapezoidal shape was designed with tight-pack box arrays in mind.

Unity™ U15P Specifications:

Model	U15P
SYSTEM TYPE	Active 3-Way
PROGRAM POWER (watts)	900
FREQ. RESPONSE (Hz +/- 3dB)	50 - 20,000
MAXIMUM SPL (dB)	127
X-OVER FREQUENCY (Hz)	350 / 1250
DRIVER CONFIGURATION	15" / 3 x 5" / 1 x 1.75"
LF DRIVER(S)	15" Neodymium / 3" voice coil
MF DRIVER(S)	3 X 5" / 1" voice coil
HF DRIVER(S)	1.75" polyester
HIGH / MID HORN CONFIGURATION	HConical Unity™ Horn
HIGH / MID HORN DISPERSION (H° x V°)	60 x 60
HF HORN THROAT DIAMETER	1"
HF PROTECTION	DSP Limiter
CONSTRUCTION	15mm 11-ply Birch
GRILLE	Perforated Metal
INPUTS	2 x 1/4-inch / 2x XLR
HANDLES	2 Side Bar
FLYWARE TYPE / QUANTITY	3/8" / 9
FLYWARE LOCATIONS	3/8inch x 9 (all corners)
HARDWARE	Stand mount adaptor
DIMENSIONS (DxWxHxBW inches)	16.5 x 22.5 x 34 x 13
DIMENSIONS (DxWxHxBW cm)	42 x 57 x 86 x 33
WEIGHT (lbs / kg)	110 / 49.9