



**unity**  
**Powered Series**

**U15P**

## Overview

Since its introduction in late 2003, the 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.

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 1000-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 drive 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 powers the 15-inch 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.

U15P - Black Ozite (Carpet) Finish

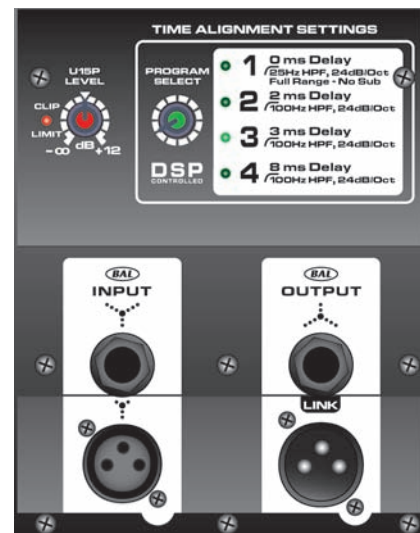
U15PB - Black Ultrathane (Painted) Finish





## Features

- Integrated 1800 Watt Amplifier (1000 Watts Program)
- Unique 60° x 60° Unity™ horn assembly combines mid and high frequency drivers on conical horn
- Max SPL 135dB Peak (129dB Continuous)
- Tri-Amplified Power Module
- 15-inch Woofer / 3 x 5-inch Midrange Drivers / 1-inch Compression Driver
- 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 components
- Nine rigging points and internal standmount adapter allow for all possible mounting and flying configurations
- 15mm 11-ply birch cabinet construction.
- Made in Canada



U15P Rear Panel



# unity

## Powered Series

# U15P

|                                    |   |
|------------------------------------|---|
| System Type                        | Three-Way   |
| Active or Passive                  | Active - Triamp                                   |
| Program Power (Watts)              | 1000 Watts (1800 Watts Peak)                      |
| Max SPL (dB)                       | 135dB Peak (129dB Continuous)                     |
| Frequency Response (Hz +/- 3dB)    | 50 - 20k  |
| Crossover Frequency (Hz)           | 350 / 1250  |
| Driver Configuration               | 15 inch / 3x5 inch / 1.75 inch                    |
| HF Driver(s)                       | 1.75 inch polyester                               |
| HF Horn                            | Conical Unity™ Horn                               |
| HF Dispersion (°H x °V)            | 60 x 60   |
| HF Protection                      | DSP Limiter                                       |
| MF Driver(s)                       | 3 x 5 inch ceramic 1 inch voicecoil               |
| MF Horn                            | Conical Unity™ Horn                               |
| MF Dispersion (°H x °V)            | 60 x 60   |
| MF Protection                      | DSP Limiter                                       |
| LF Driver(s)                       | 15-inch / 3-inch voicecoil                        |
| LF Protection                      | DSP Limiter                                       |
| Total Power (Watts)                | 1000 Watts (Program) 1800 Watts Peak              |
| HF Amplifier Type                  | Class A/B   |
| MF Amplifier Type                  | Class A/B   |
| Power Switch                       | Yes   |
| Power Consumption (typ/max)        | 3.6A  |
| Inputs - 1/4" Jacks                | 2   |
| Inputs - XLR                       | 2   |
| Input Sensitivity (Vrms Sine)      | 0.775   |
| Level Controls                     | Yes   |
| Limiter                            | DSP   |
| Other Controls / Features          | Four position delay for operation with subwoofers |
| Corners                            | Yes   |
| Feet                               | Rubber  |
| Flying Hardware                    | 3/8inch x 8 (all corners)                         |
| Bar Handles                        | 2 Side  |
| Pole Mount Adapter (1 3/8" -3.5cm) | Yes   |
| Enclosure Materials                | 5/8-inch Birch                                    |
| Grille                             | Perforated Metal                                  |
| Covering / Finish                  | Black Ozite (Carpet)                              |
| Optional Covering / Finishes       | Black Ultrathane (Paint)                          |
| Dimensions (DWH xbackW, inches)    | 16.5 x 22.5 x 34 x 13                             |
| Dimensions (DWH xbackW, cm)        | 42 x 57 x 86 x 33                                 |
| Weight (lbs/kg)                    | 92.2 / 41.8                                       |

Specifications subject to change without notice