

# PS15X-B PERFORMANCE SYSTEM

SELF-POWERED

## APPLICATIONS

Electric Bass Guitar	Electric Guitar
Acoustic Bass Instruments	Mandolin
Chapman Stick	Banjo

## DESCRIPTION

The Bag End® PS15X-B is a self powered 15" Coaxial musical instrument speaker well matched to acoustic instruments of all types, electric bass, or synthesizers. The red dust cap indicates a Coaxial driver that includes a rear vented 15" cone for lows and mids, a crossover network, and a 1" titanium diaphragm compression driver for extending the high frequency response. It has damped spring loaded handles, a coated steel grille, and an 18mm thick birch plywood cabinet finished with hand rubbed oil, making it a beautiful, portable and durable system. A Bag End® Minima 7™ power amplifier is internally mounted allowing the system to be fed from any instrument preamp via XLR or 1/4" jacks. AC mains power between 88 and 270 volts is accepted via a Neutrik® PowerCON connector. Its excellent sound and modest size make it a great choice for a stand alone system for most gigs or as part of a larger multi way modular system. From top to bottom it includes the same legendary Bag End® quality and workmanship well known by the best musicians throughout the world.



## SPECIFICATIONS

### System Type:

Rear vented 1.5 ft<sup>3</sup>

### Enclosure:

18 mm 13-ply birch plywood

### Finish:

Oiled Birch

### Grille:

16 Gauge black power coated perforated steel

### Low Frequency Components:

Transducers, 15" cone, 2.5" Voice coil, 80 oz. Magnet

### High Frequency Components:

Transducer, 1 – E-550 2" Titanium diaphragm, Compression driver

### Input Connector:

XLR 1/4" combo with XLR loop through

### Internal Amplification:

Minima 7™

### Input Impedance:

48K Ohms

### Input CAL Sensitivity:

+4 dBu

### Maximum Continuous Amplifier Power:

750 W into 4 Ohms

### Overload Protection:

Internal limiter

### Mains Voltage Requirements:

Auto sensing  
Universal voltage range  
88 Volts minimum to 270 Volts maximum

### Mains Current Requirements:

4 Amps @ 120 Volts  
2 Amps @ 240 Volts

### Hardware:

2 – Handles

### Crossover Type:

Passive filter type @ 3.7 kHz

### Sensitivity:

103 dB SPL (2.83 V @ 1m)

### Frequency Response:

46 Hz to 16 kHz ±6 dB

### Polarity:

A positive asymmetrical signal applied to pin 2 will result in a positive asymmetrical acoustical pressure

### Dimensions:

18" h x 18" w x 15" d  
46 cm x 46 cm x 38 cm

### Weight:

58 lbs  
26 kg

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## ABOUT NATURAL OILED BIRCH CABINETS

Bag End® Natural Oiled Birch enclosures were the original cabinets we made starting in 1975. In the 1970's we made all our cabinets from the highest grade clear face Finland Birch plywood with a hand rubbed oil finish. At first look these cabinets may seem to be fragile and too nice looking for use for portable systems, but the durability and longevity is now well proven. Many Oiled Birch cabinets are still in use 30 or 40 years later and perform as well today as the day they were made. With use and travel the finish will nick and ding and over time and the cabinet acquires a patina like finish. This is especially enhanced if you occasionally re-oil it. Today most of our production is still made with Finland Birch plywood and finished with durable black Ro Tex™. The classic clear face Finland Birch plywood with the hand rubbed oiled finish is available on several standard models and most model can be custom ordered in this finish.

## ABOUT MUSICAL INSTRUMENT SYSTEMS

Musical Instrument Systems, especially loudspeaker design for use with stringed instruments, require more than just technical expertise. Over the years Bag End® has employed the highest degree of technology into

these systems, but beyond that, the loudspeaker becomes an extension of the instrument itself. A well designed loudspeaker will reproduce all the characteristics of the instrument, but it also adds its own frequency response, distortion and directivity characteristics. Electronic equalization in the instrument and preamp is also widely used. Our loudspeaker designs include artistic subjectivity along with technical excellence to consider and incorporate these variables. Since before Bag End® was formed in 1976 the founders were both technicians and musicians and they incorporated both good taste and technology into the sound design of the early systems. Over the years some of the original designs proved to be exactly what many musicians wanted and therefore, have not changed for over 4 decades.

In the 1970's early Bag End instrument systems were single and double 12" and 15" models. These early models were loosely based upon and inspired by cabinets Alembic built for Jefferson Airplane, Grateful Dead and others. At that time we designed a modular system of dimensions for arraying and stacking cabinets in various configurations and refined the hardware and finish. The first cabinet built by Bag End was a double 12, serial #1. We sold this one to Mike Sasseti in 1976 and 35 years later Mike bought his second double 12 and he gave us back the #1. While we have refined manufacturing processes and now offer a variety of

options, over time our products have remained remarkably consistent and compatible. Rather than changing models every year we standardized our basic dimensions and designs and kept our products consistent over long time periods. Some of the earliest system designs remain in production today and are virtually unchanged. Among them our single 12 and single 15 have become industry standards. Based upon timeless designs and principles they are hard to beat. You might say, if you get it right the first time you don't need the new improved version. Bag End systems are made to sound great, last long, and be serviceable. Used Bag End cabinets demand the highest price because most musicians keep them. Its an investment for a lifetime.

## ABOUT MINIMA 7™ SELF POWERED

The Minima 7™ amplifier is both a high fidelity and a high efficiency amplifier. With efficiency well over 80%, it provides more power to the loudspeakers, and creates less heat in the amplifier. In real world applications there is practically no heat emitted from the amplifier and thus it requires no cooling fan. The AC power input automatically adapts to any voltage between 88 and 270 volts.

## DIMENSIONS

