

The **K15** is a superbly compact powered loudspeaker operating in bi-amplified mode and is the top box in our **Blue Acoustic K3 System** normally partnered with the **M3B** single 18" powered bass unit

**K15** has the power and ability to be thoroughly effective yet neatly unobtrusive in a vast variety of premium events.

**Blue Acoustic** loudspeakers incorporate not only some of the finest components currently available but those that are fully proven within the professional environment.

### K15 component specifications.

bass unit	386mm (15")
bass aes power	700 watts
voice coil	76mm (3") (8Ω)
magnet	neodymium
mid units (2)	140mm (5.4")
mid unit aes power	200 watts (total wired in series)
voice coil	25mm (8Ω)
magnet	neodymium
hf unit exit	25.4 mm (1") 8Ω
hf unit aes power	40 watts
voice coil	44mm (1.73")
magnet	neodymium
Mid/HF Dispersion	90° x 50°

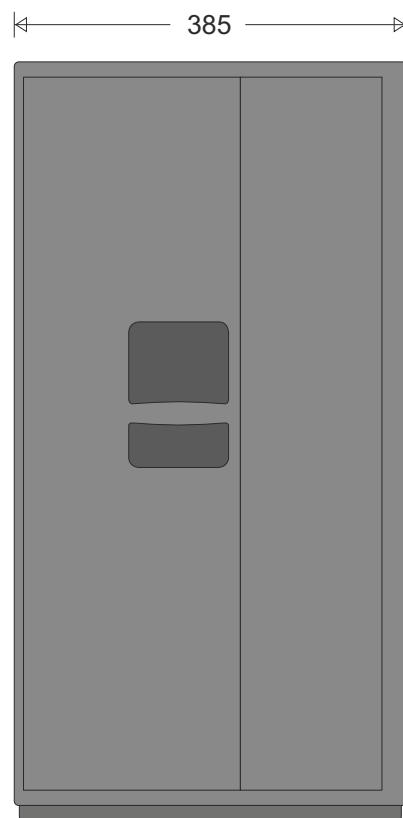
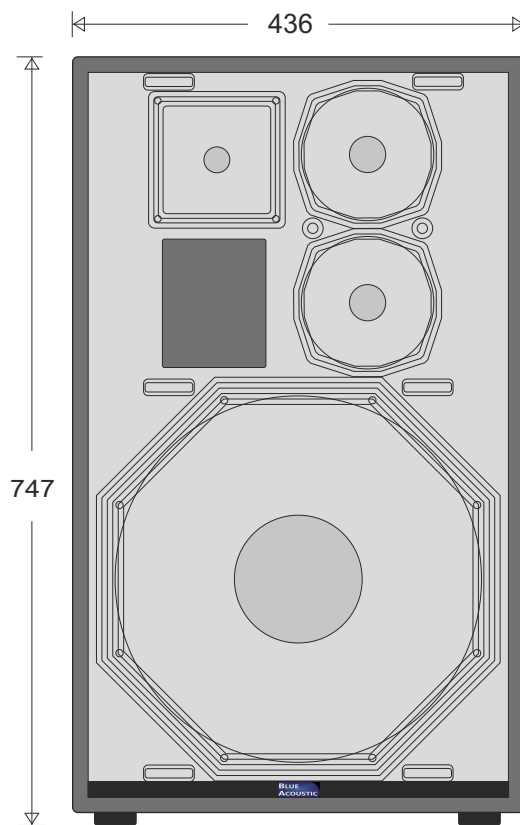
### K15 cabinet specifications.

handles	3
pole mount	35mm vertical and 5° tilt forward
build material	12mm, 15mm and 18mm birch ply
LF efficiency 1w/1m	99dB
MF efficiency 1w/1m	101dB
HF efficiency 1w/1m	108dB
spl at rated power	128 dB
tml (theoretical max level)	134 dB
frequency response	50Hz - 20Khz (± 3dB)
high pass filter settings	see over page
dimensions	747 h x 436 w x 385 d
weight	26.1 Kgs 56lbs)
foam behind grille	fitted
covers (option)	heavy duty padded slip over

\* tml is published for comparative purposes only

### Module specifications.

number of channels	2
signal input (input and link)	balanced XLR
channel 1 - LF	700 watts selected HP filter to 400Hz
channel 2 - MF/HF	200 watts 400Hz to 20KHz
ac power	110 - 240 volts (50-60Hz)
connectors (mains in and link)	Neutrik Powercon True 1
THD+N	< 0.05% 0.1w to full power
damping factor	> 10,000 @ 100Hz



The K15 is three-way model (powered 2 way) and has a comprehensive DSP unit within the module to assist with the ultimate control of the acoustic performance.

This Blue Acoustic K15 has four user selectable settings on board which will assist by providing a range of performance options.

These settings are easily selected using the round push button placed between the XLR in and link sockets situated on the upper end of the amplifier module.

## K15 Presets.

With the LF, MF/HF bands amplified individually the operational performance of the Blue Acoustic K15 is more easily predicted.

The four presets operating within the module driving the K15 have therefore been engineered as follows.

### Preset One

Full range performance from 45Hz to 20KHz +/- 3dB.

Examples would be Audio-Visual installations, Church installations, small band PA and music playback systems.

### Preset Two

Full range performance from 45Hz to 20KHz +/- 3dB.

Examples would be similar to Preset One with the benefit of a 2dB wideband dip in the response centred at 875 Hz.

### Preset Three

Designed for use with bass cabinets in larger venues.

For use with Blue Acoustic single 15" or dual 15" bass systems.

### Preset Four

Designed for use with bass cabinets in larger venues.

For use with Blue Acoustic single 18" bass systems.

## K15 installation hardware

We have a number of options for the installation of the Blue Acoustic K12 full range loudspeaker.

The most commonly used brackets are yoke style.

Here, tilt and swivel are available to the installer where the only essential is a secure wall mount position for the bracket.

As an alternative where the installer wishes to provide the support hardware we can insert 10mm nut plates wherever required beneath the cabinet surface.

It is a requirement that at least 250mm of clear air space is maintained at the rear of the K12 cabinet so that cooling of the heatsink is not impaired.

Module rear panel controls

