



# CAB TYPES

<b>NANOCAB™</b>	BluGuitar® 1x12"
<b>FATCAB™</b>	BluGuitar® 1x12"
<b>STACK 1965</b>	Original Marshall® 4x12" Celestion® (Alnico 15Watts)
<b>STACK 1967</b>	Original Park® 4x12" Celestion® (Greenback 25 watts)
<b>STACK 1970</b>	Original Marshall® 4x12" Celestion® (Greenback 25 Watts 55 Hz)
<b>STACK 1971</b>	Original Marshall® 4x12" Celestion® (G12h30)
<b>STACK 1980</b>	Original Marshall® 4x12" Celestion® (G12h75)
<b>METAL CL80</b>	Celestion® Classic Lead 80 in custom built 4x12" cabinet

<b>METAL V30</b>	Mesa/Boogie® Rectifier® Standard 4x12" Celestion® V30
<b>JAZZ 120</b>	Roland® Jazz Chorus® 120
<b>TWEED 1x12</b>	Vintage '57 Fender® Tweed Deluxe®
<b>SILVER 1x12</b>	Fender® Princeton® Silverface 1x12"
<b>BLACK 2x10</b>	Fender® '64 Vibroverb® 2x10"
<b>BLACK 2x12</b>	Vintage Fender® Twin Reverb® 2x12" orange JBL® mixed with Jensen® C12K
<b>BLACK 4x10</b>	Vintage 60s Fender® Super Reverb® 4x10"
<b>BULL 2x12</b>	Original Vox® AC30 JMI® 2x12" Celestion® Blue Bulldog

BLUBOX<sup>vsc</sup> Professional Impulse Response Speaker Emulator designed by Thomas Blug



MANUAL

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# BLUBOX<sup>VSC</sup> : SIXTEEN LEGENDARY CABINETS TO GO

Perfect sound, no mic, straight into the desk

All electric guitarists looking for the perfect way to mic up or to record now have one of the simplest and most workable solutions available, also setting new standards in sound quality. During many years of experience both on stage and in the studio, I heard but also worked with many classic, indeed legendary speaker cabs. I also learned how best to mic these up. With this experience I have put together the best 16 speaker cabinet / microphone combinations from my own collection and digitally converted them using today's cutting-edge **Convolution Technology** ensuring an exact replica. But why conserve the sounds digitally? Simply because analogue equipment cannot capture all the acoustic complexities the speakers produce. **Convolution Technology** on the other hand is able to reproduce the complete array of tones and the uniqueness of each cabinet down to the last detail.

## **VSC** Virtual Speaker-Cabinet Collection:

Just pick your favourite cab, fine-tune the sound with the Mic-Position controller and away you go!

16 classic, world-renowned cabs are available in the **BLUBOX™**: 5 legendary Marshall® cabs with vintages from 1965 and 1980 but also the glorious, cult cabinets from Vox®, Mesa-Boogie® and Fender®. Of course, also included are the **BluGuitar® NANOCAB™** and **FATCAB™** which have been rapturously received in music world for their huge sound.

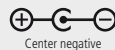


# Connections and Controls



## 1 9-18V DC

Power supply connection, 9-18V DC, 200 mA



## 2 LINE INPUT

Input for signals from:

- Line-Out of an amp or preamp
- Output of a pedalboard or single pedal, for example overdrive

## 3 SPEAKER LEVEL IN

Connection for Speaker Out of an amp with up to 100 W

## 4 SPEAKER LEVEL THRU

For passing through the input signal. In conjunction with traditional valve amps, the connection must be made using a speaker or the necessary load resistance.

## 5 CLIP-LED

Flashes when connected to power. When an input signal is connected the LED lights green. Should the signal be too powerful, causing overload, this switches to red.

## 6 SIGNAL LEVEL

Input sensitivity for **LINE** and **SPEAKER LEVEL IN**.

## 7 CAB TYPE

Switch to choose the 16 simulated speaker cabinets

## 8 MIC POSITION

Simulates the sound variations caused by changes in the microphone positioning. **EDGE** produces fat, warm and rounded sounds **CENTER** sounds clearer and sharper with more bite. The mid position has no filters and sounds more balanced.

## 9 LINE OUTPUT

Connection to full range speakers or headphones.

## 10 MIC OUTPUT

XLR socket for connection to a mixing desk.

## 11 GROUND LIFT

Should the signal hum, **GROUND LIFT** can be used to detach earth from the XLR output



### NO MIC ???

The best recording sounds without elaborate microphone solutions can be achieved by looping the **BluBOX™** between the amp and speaker. The **BALANCED MIC OUT** is simply connected to the mixing desk using a microphone lead exactly as if it were a microphone. As with a true mic the **BluBOX™** internal transformer prevents hum. If the mixing desk has no Mic Input simply connect to the **LINE OUT** of the **BluBOX™**. This connection is also suited for use with a monitor or headphones.



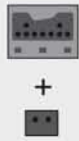
### NO AMP ???

While the **BluBOX™** was actually designed to work with guitar amps, it can also produce fantastic results with pedals or preamps straight into the mixing desk.



### NO CONE - SILENT RECORDING

Finally a solution to record your favourite valve amp at full drive without disturbing all around you? Instead of looping the **BluBOX™** between your amp and speaker, simply connect it to a load-box. The load-box makes no noise, thermally transforms the power output of your amp and ensures it takes no harm in the process. Truly perfect for those nocturnal recording sessions.



### AMP1™ & BluBOX™

A true plus for **AMP1™** users is the fact that the **BluBOX™** can be connected to the speaker output of the **AMP1™** without any need for a speaker or a load-box. The unique innovative power amp in the **AMP1™** is ideally suited to deliver its full range of sounds, including max. power and full saturation, without needing a speaker or a load-box.

## Correct Operation

The **BluBOX™** can be connected to any guitar amplifier. When using valve amps, it is advisable to connect to the **Speaker Out** connection as the power amp achieves its best results connected to a speaker.

Using a solid state amp, the connection to the **Line Out** is preferable as this uses the pure preamp signal, thereby improving the signal to noise ratio and the dynamics. When using a preamp the **Line Out** is always used.

### WARNING!

**The BluBOX™ is not a load box! Valve amps should never be used without load!**

A speaker or a load box must always be connected to the **SPEAKER LEVEL THRU** socket whenever using the speaker output of the valve power amp with **SPEAKER LEVEL IN**. The **BluBOX™** should only be connected to an amplifier when this is switched off or turned low. The cables must be fully plugged in.

#### Important safety instructions

##### Caution

The connections showing the symbol ⚡ transport enough current to cause electrocution.

Use only high quality loudspeaker cables available at retailers with pre-mounted 1/4 inch jack plugs.

*BluGuitar* accepts no responsibility for damage caused by improper use of the equipment. When in doubt, particularly regarding load resistance, contact a technical specialist for advice.

#### EU Regulations

*BluGuitar* accepts and complies with EU Regulations. We support environmental protection.



## Trouble Shooting

**The BluBOX™ is properly connected but the LED is not on:**

- The **BluBOX™** is not powered up. Check the power supply and its polarity; if necessary connect a different unit with 9 - 18V DC. The LED on the **BluBOX™** indicates by a short red flash that power is available when plugged.
- Ensure that your amp, preamp or pedal is delivering a powerful enough signal to **SPEAKER LEVEL IN** or **LINE IN**. Check all leads. The LED should be green.

**The BluBOX™ is properly connected and the LED is on but there is no output:**

- Using an unbalanced to XLR adaptor the wiring configuration does not correspond to the connection of the **BALANCED MIC OUTPUT** socket.
- Check the cables to ensure they are all fully functional


**The signal is distorted. On connecting the BluBOX™ to the speaker out on my amp the BALANCED MIC OUT signal is too high:**

- Switch the signal level to **LOW**
- Ensure that your amp and the **BluBOX™** are properly connected. The Speaker Out of your amp should never be connected to the **LINE IN** of the **BluBOX™** as this can cause serious damage to the unit.

**The signal from the balanced MIC OUT hums:**

- There is a ground loop. Switch on the **GROUND LIFT** on the **BluBOX™**.
- Avoid using the **BluBOX™** in close proximity to transformers. These generate magnetic fields which can cause humming.

# Technical Data

<b>Type:</b>	Cabinet & Microphone Simulation DI-Box	<b>Power supply:</b>	9-18V DC, 200 mA (not included)  Center negative
<b>Number of Cabinets:</b>	16	<b>Dimensions:</b>	120 x 95 x 38 mm
<b>Connections:</b>	1/4" jacks: Line In, Line Out, Speaker In, Speaker Through, Transformer Balanced XLR Mic Out	<b>Weight:</b>	350g / 12.35oz
		<b>Latency:</b>	Ultra low latency ~1 ms = Distance of 30cm to a cabinet



BALANCED  
XLR OUT



16 CABINETS



ULTRA LOW  
LATENCY



CONVOLUTION  
AUTHENTICITY



DC 9-18V  
200mA  
(not included)