





*NANOCAB™*

**Type:** 1 x 12" Closed Back / Open Back  
**Power:** 60 Watt  
**Impedance:** 8 Ohm  
**Speaker:** 1 x 12" special BluGuitar Classic  
**Weight:** 8 kg  
**Dimension:** 35 x 35 x 27,5 cm



*VINTAGE PREMIUM  
SPEAKER CABLE*

**Type:** Speaker Cable, Custom Wire  
**Connectors:** 1/4" Nickel Plated  
**Length:** 5,67 m (18ft 7.2in)  
**Sleeve:** Black Tweed



*FATCAB™*

**Type:** 1 x 12" Closed Back  
**Power:** 60 Watt  
**Impedance:** 8 Ohm  
**Speaker:** 1 x 12" special BluGuitar Fat  
**Weight:** 12 kg  
**Dimension:** 37 x 55 x 30 cm

BluGuitar© NANOCAB™ / FATCAB™ | Designed by Thomas Blug



## CONGRATULATIONS ON YOUR BLUGUITAR® CABINET!



### NANOCAB

The ultra-compact **BluGuitar® NANOCAB™** is the smallest 1x12" cabinet available, that has no real competitors in today's marketplace. Producing the very best sound possible, its bass reflex tuning gives the **NANOCAB™** a truly big tone, with a low bass response that you wouldn't expect to find in such a compact cab. It cuts through a band mix surprisingly well, and thanks to its compactness it can easily be transported on „planes, trains, and automobiles“, as well as motorbikes!

The open/closed back cover on the rear of the cabinet, which can be removed in a few quick steps, provides a bass response for crystal clear cleans and crunch sounds when the cover is removed, as well as the perfect „punch“ for rock sounds when the back is closed. The **NANOCAB™** is also the perfect cabinet for your living room, thanks to its extremely well balanced and rich sound, even at low volumes.



### FATCAB

The compact 1x12" **FATCAB™** gets surprisingly close to the sound characteristics of an old 4x12" vintage cabinet. It demonstrates its strength especially on small and medium stages. Coming equipped with only one speaker, it reaches its optimum operating range much faster, which makes it sound very alive and dynamic. The Thiele bass reflex system together with the extremely stiff casing provide a defined, dynamic bass performance, with low bass response even at low volume levels - something which is only usually achieved by large 4x12" cabinets. In addition, the cabinet also provides a subtle enhancement of the low-mids. At high volumes, the cabinet's sound remains balanced and the **BluGuitar® Fat Speaker**, with an extra-fat magnet, always remains controlled, delivering harmonious mids with smooth highs, that become even silkier due to the filter effect of the front cover with the thick basket weave.



Both cabinets feature classic, warm and open sound characteristics, that are perfectly conveyed by the particular speaker in each cabinet, at any volume.

Specially developed for these cabinets, the two different **BluGuitar®** speakers both employ the use of a small and very light voice coil, combined with a very light membrane which generates partial vibrations that make the sound alive.

A speaker of this design can only handle a load of up to 60 watts. Both **BluGuitar®** cabinets can generally be used with any guitar amp, **but some caution is required if you connect only one single cabinet to an amplifier with more than 60 watts output power.**

## The load capacity of a speaker

As I myself have often used only one 1x12" cabinet on large stages, I am well aware of the load limit of various speakers. You can certainly operate a speaker up to its limit, but it must never be exceeded. You can tell that the limit has been reached from the fact that the speaker's volume won't increase any further. In addition, the bass frequencies will start to sound „muddy“.

If you continue turning up the volume from this point on, the speaker won't get any louder, just muddier. The voice coil will have to put up with more and more output power, and at a certain point the resulting heat can't be dissipated any longer, and the wire will burn through.

**CAUTION: We don't give any warranty on electrical overcharged speakers.**

## BluGuitar cabinets with the AMP1

The limit range for a single 60 watts speaker used in combination with the **AMP1™** starts at :

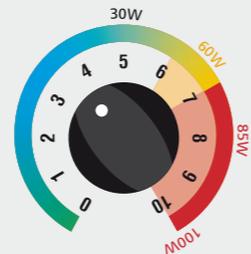
- a **MASTER** setting of 6, if **OVERDRIVE MASTER** and **BASS** are turned up high
- a **MASTER** setting of 7 if **BASS** is not higher than 5

In general, one can say that as long as the **MASTER** knob of the **AMP1™** is turned up no higher than 6, any possible amp setting can be used with **NANOCAB™** or **FATCAB™**. That's pretty loud actually ! If the **BASS** knob is turned up to a maximum of 5, the **MASTER** can go up to 7. If you still need more **MASTER VOLUME**, you should use two cabinets.

## Connecting NANOCAB or FATCAB to an amplifier

**NANOCAB™** and **FATCAB™** each have an impedance of 8 ohms. Please always make sure that only the **8 ohm speaker output** of your amplifier is connected via a speaker cable to the **INPUT** of your **BluGuitar®** cabinet.

If you use an amplifier with an output power of more than 60 watts, you must ensure that it won't blow the speaker.



Master Volume on AMP1

When connecting the **NANOCAB™** or **FATCAB™** to the **AMP1™** the **MASTER VOLUME** on the **AMP1™** should be set no higher than 6.

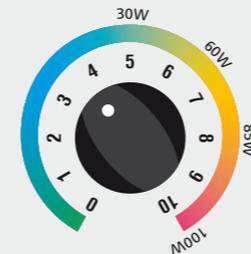
If you connect the cabinets to any other amplifier, I recommend you approach the load limit of the speaker as described above – please make sure you do not exceed it!



AMP1 / Guitar amplifier with 8Ω output

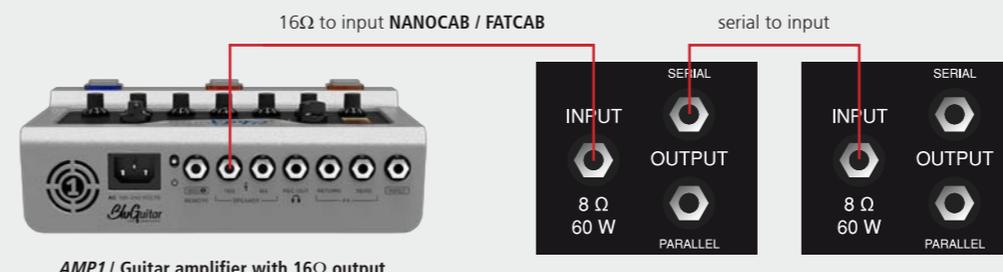
## Connecting two cabinets to an amplifier

In addition to the **INPUT**, **NANOCAB™** and **FATCAB™** each have a serial and a parallel **OUTPUT**, which can be used for connecting additional cabinets. There are several reasons for using multiple cabinets, such as maximising the output volume, the need for extra bass at high volumes, or for a bigger sound on larger stages. For example, on very large stages I personally like to use the combination of **FATCAB™** and **NANOCAB™** with the **AMP1™**. I usually position the **FATCAB™** behind me and the **NANOCAB™** next to me.



Master Volume on AMP1

Connect the **16-ohm output** of your **AMP1™** (or any other all tube amp) via a speaker cable to the **INPUT** of the first cabinet, and then the **SERIAL OUTPUT** of the first cabinet, via another speaker cable, into the **INPUT** of the second cabinet. If you connect **NANOCAB™** and **FATCAB™** like this, they can handle an output power of 120 watts. Hence, the position of the **MASTER VOLUME** on the **AMP1™** is irrelevant to the operational safety of the speakers.

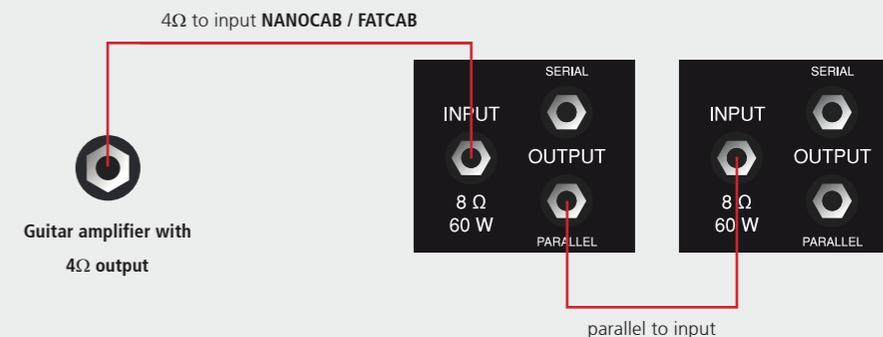


AMP1 / Guitar amplifier with 16Ω output

## Parallel connection of NANOCAB and FATCAB to an amplifier

For amplifiers with a conventional transistor power amp it is sensible to interconnect both boxes in parallel. This leads to an impedance of 4 ohms, at which point the amplifier can deliver its maximum performance.

To connect **NANOCAB™** and **FATCAB™** in parallel to an amplifier, connect the **4-ohm output** of your amplifier via a speaker cable to the **INPUT** of the first cabinet, and then the **PARALLEL OUTPUT** of the first cabinet, via another speaker cable, to the **INPUT** of the second cabinet.



Guitar amplifier with 4Ω output



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