

MANUAL CABINETS

NANOCAB

NANOCAB NEO PRO 100

FATCAB

TWINCAB

Thomas Blug



BLUGUITAR CABINETS



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.



NANOCAB NEO PRO 100

Experience Big Tones in a Compact Package

Over the years, the **NANOCAB™** has become the top seller cabinet at **BluGuitar®**. Known for its creamy tones and balanced sound at any volume, it's the perfect choice for Blues, home practice, and gigging in Blues, Pop, and even Classic Rock settings.

Now, the **NANOCAB NEO PRO 100™** takes our passion for big sound in lightweight gear to the next level. Equipped with a specially designed **BluGuitar®** neodymium speaker, it delivers powerful tones while saving even more weight. Capable of handling up to 100 watts from an **AMP1™**, it's the ultimate combination of portability and performance - delivering exceptional sound in the smallest, lightest form factor possible.

The **NEO PRO 100™** enhances the **NANOCAB™**'s versatility with more headroom and tighter response at higher volumes, making it suitable for any genre - from Jazz to Metal - on small to medium stages. At just 7 kg and featuring a premium leather handle, this ultra-portable cab is ideal for gigging musicians who need more punch and precision compared to the softer, silkier feel of the original **NANOCAB™**. With the **NEO PRO 100™**, traveling light has never sounded this powerful.



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.

All **BluGuitar®** cabinets deliver classic, warm, and open sound characteristics at any volume, therefore perfectly complemented by the specific speaker in each cabinet. Our cabinets are meticulously balanced, making them ideal for clean, crunch, and overdriven tones alike.

Specially developed for the **NANOCAB™** and **FATCAB™**, the two unique **BluGuitar®** speakers - **BG-12C** and **BG-12F** - utilize a small, lightweight voice coil paired with an ultra-light membrane. This combination creates partial vibrations that bring the sound to life with remarkable dynamics and character.

Due to their design, these speakers can handle up to **60 watts continuous power** (120 watts peak). While all **BluGuitar®** cabinets are compatible with any guitar amp, caution is advised when connecting a single **NANOCAB™** or **FATCAB™** to an amplifier with more than 60 watts of output power.

Important Tip: Stop increasing the Master Volume once it stops producing more volume and begins introducing compression instead.

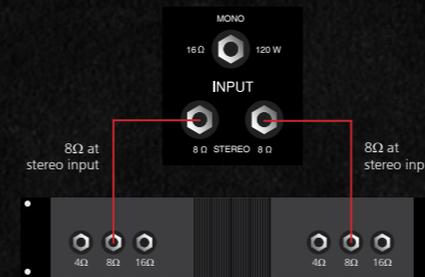
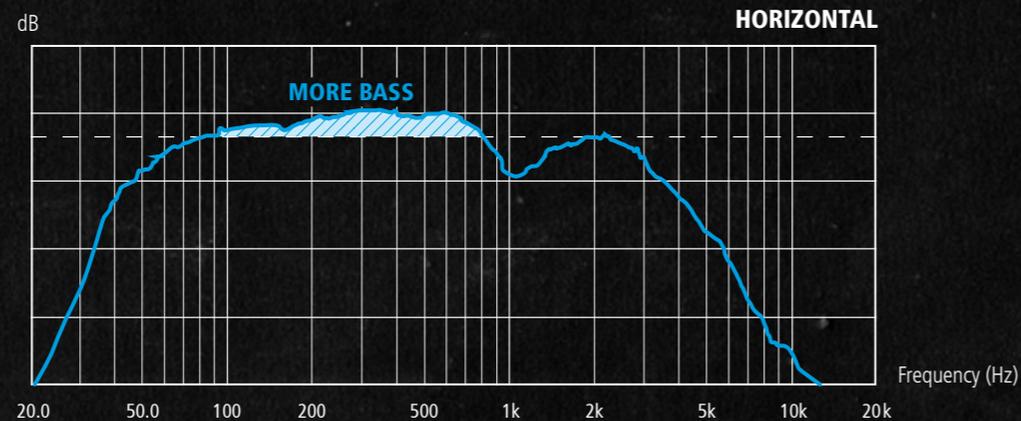
TWINCAB

Thanks to its compact design and light weight of less than 20 kg enable convenient transport with only one hand. Configured for horizontal or vertical orientation with rotatable logo, this compact 2x12" cabinet is an ideal partner for the **BluGuitar® AMP1™**, lunchbox amps and "classic" 100w heads.

TWINCAB™ can be operated in both mono and stereo with its tonality characterized by accurate bass, warm and full mids, as well as soft highs with balanced frequency projection.



The closed-back design with two bass reflex openings at the front, give the cabinet extra low end response while the basket weave front cloth works like a filter that reduces harshness ensuring silky high frequencies. The „**BG-12 Special**“ speaker specifically developed for the **TWINCAB™** is harmoniously tuned to the reinforced birch multiplex housing.

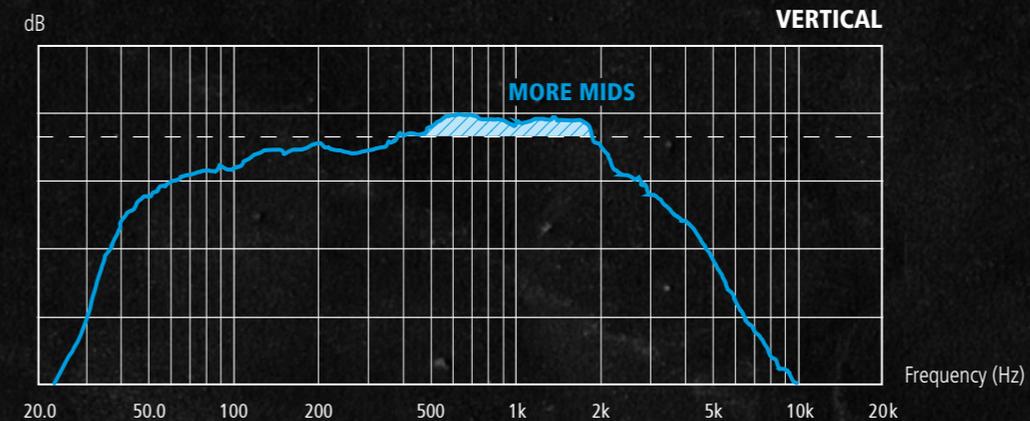


Stereo power amp / amplifier

STEREO OPERATION

In case you want to use both speakers separately, each of the stereo input sockets connects to one speaker only. One speaker handles **75 watts at 8 ohms**. Make sure that only these **2 inputs** are connected with 2 speaker cables to the 8 ohms outputs of your amp(s).

The **MONO INPUT** can not be used simultaneously!



CABINETS CONFIGURATIONS



	NANOCAB	NANOCAB NEO PRO	FATCAB
Home	✓	✓	✓
Club	✓	✓	✓
Stadion			
Watt	60 W	100 W	60 W
Impedance	8 Ω	8 Ω	8 Ω
AMP1 / AMPX Master	6	10	7
Connection			

	TWINCAB (horizontal)	TWINCAB (vertical)	NANOCAB + FATCAB	4 x 12 TWINCAB
Home	✓	✓		
Club	✓	✓	✓	
Stadion	✓	✓	✓	✓
Watt	150 W	150 W	120 W	300 W
Impedance	16 Ω	16 Ω	16 Ω	2 x 16 Ω
AMP1 / AMPX Master	10	10	10	10
Connection				

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.

NANOCAB or FATCAB with AMP1

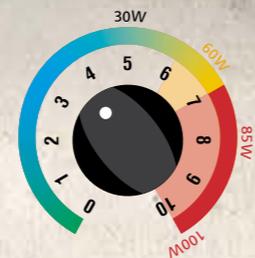
The limit range for a single 60 watts speaker used in combination with the AMP1™ starts at :

- 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.

Please always make sure that the impedance of the cabinet matches the impedance of the speaker output. AMP1™ also features a half power mode to protect the speakers (press and hold left footswitch while powering on AMP1™)

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.

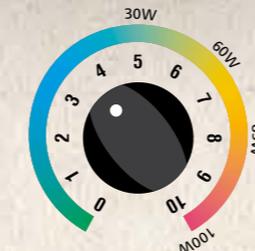
If you connect the cabinets to any other amplifier, I recommend you approach the load limit of the speaker as described above – please make sure you do not exceed it!



AMP1 / Guitar amplifier with 8 Ω output

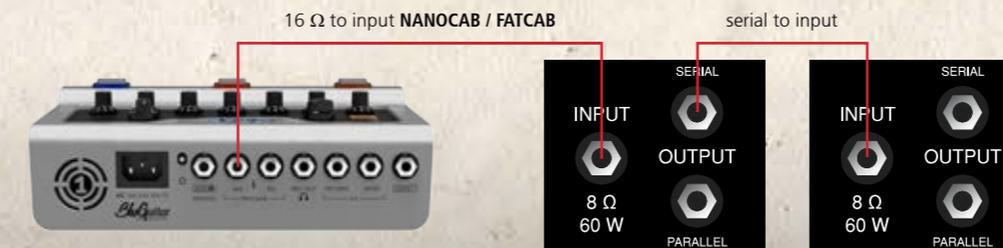
Connecting two cabinets to an amplifier

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.

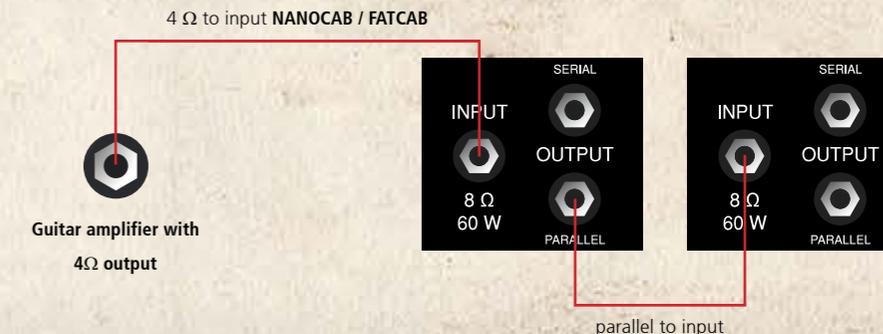


AMP1 / Guitar amplifier with 16 Ω output

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

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

BLUGUITAR CABINETS



NANOCAB

1 x 12" Closed Back / Open Back
60 Watt
8 Ω

1 x 12" special BluGuitar Classic
8 kg (17.64 lbs)

35 x 35 x 27,5 cm (13.78" x 13.78" x 10.83")



NANOCAB NEO PRO 100

1 x 12" Closed Back / Open Back
100 Watt
8 Ω

1 x 12" special BluGuitar BG12-NEO-PRO-NANO
7 kg (15.43 lbs)

35 x 35 x 27,5 cm (13.78" x 13.78" x 10.83")



FATCAB

1 x 12" Closed Back
60 Watt
8 Ω

1 x 12" special BluGuitar Fat
12 kg (26.46 lbs)

37 x 55 x 30 cm (14.57" x 21.65" x 11.81")



TWINCAB

2 x 12" Closed Back
mono 150 Watt, stereo 2 x 75 Watt
16 Ω mono, 2 x 8 Ω stereo

2 x 12" BluGuitar BG12-S Speaker,
18,7 kg (41.23 lbs)

40 x 75 x 33 cm (15.75" x 29.53" x 13")

ALL BluGuitar cabinets come complete with a robust, padded protective cover.

[Check out our Vintage Premium Speaker Cable](#) for a fat, warm and transparent tone!