

FOCAL Theva N1 Rackmount Hi-Fi Speaker User Manual

Contents

1 FOCAL Theva N1 Rackmount Hi-Fi Speaker
2 Product Usage Instructions
3 What In The Box
4 Specifications
5 IMPORTANT SAFETY INSTRUCTIONS
6 Installation Instructions
7 Recommendations for use
8 Warranty
9 Contact
10 Documents / Resources
10.1 References

FOCAL Theva N1 Rackmount Hi-Fi Speaker



Product Usage Instructions

Connections

Refer to figure E in the user manual for detailed instructions on how to make the necessary connections for the product.

Choice of location

- Refer to figures F, G, and I in the user manual for guidance on selecting the optimal location for the product.

Usage Tips

Follow these tips to ensure proper usage of the product:

1. Do not listen to loudspeakers at high volumes for long periods of time to avoid damaging your hearing.
2. Keep the product packaging out of the reach of children to prevent suffocation.
3. Supervise and/or accompany children under 14 or people with disabilities when using the device.

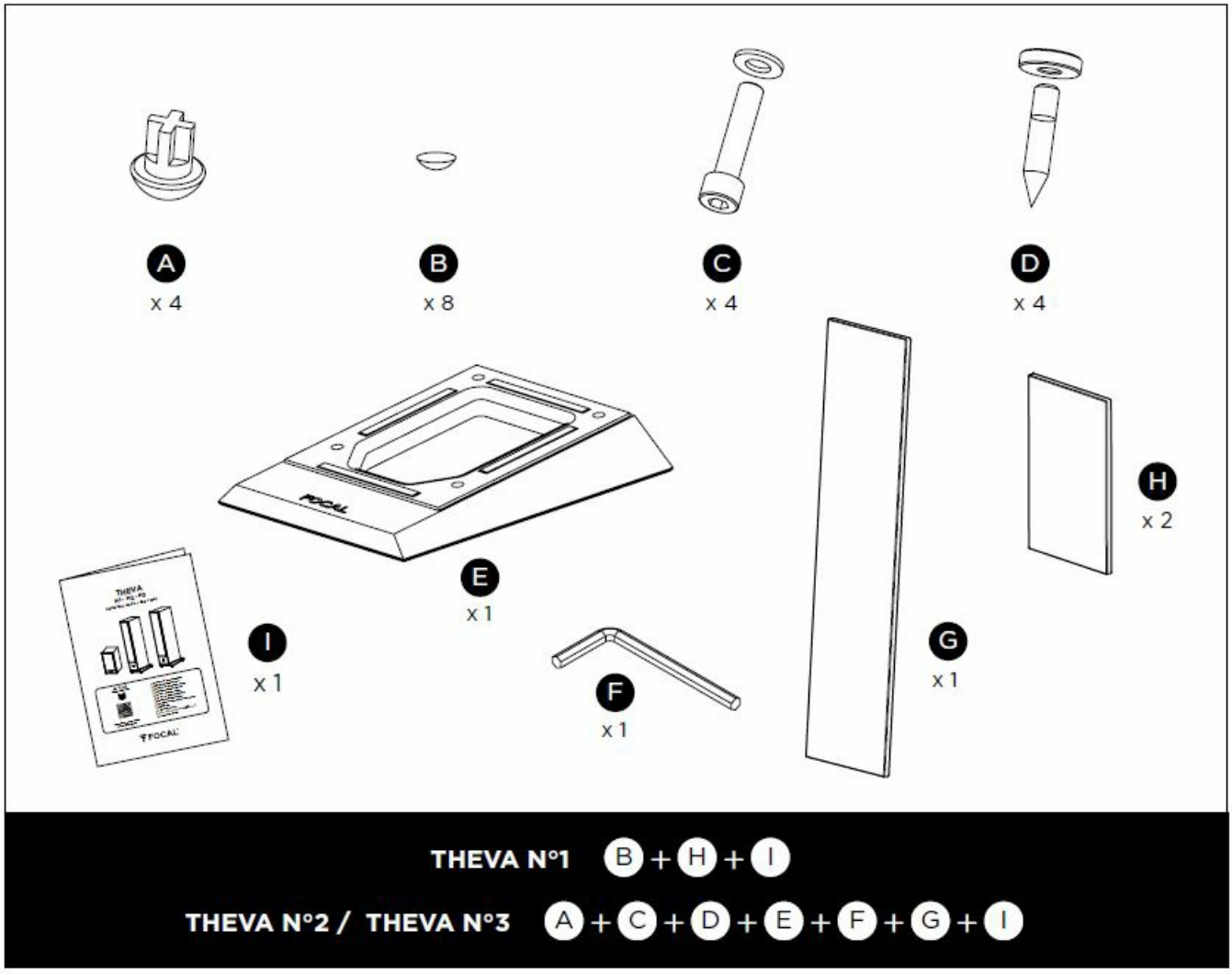
Specifications

- **Type:** Bass-reflex 2-way bookshelf loudspeaker
- **Speaker drivers:** 6 1/2 (16.5cm) Slatefiber Midrange/Bass, 1 (25mm) Al/Mg inverted dome TNF tweeter

Frequently Asked Questions

- **Q:** Can I remove the cover or back of the device?
  - **A:** No, removing the cover or back of the device may result in electric shock. There are no user-serviceable parts inside. Contact a qualified professional for maintenance or repairs.
- **Q:** How can I prevent hearing damage?
  - **A:** Avoid listening to loudspeakers at high volumes for extended periods of time. Exposing your ears to a volume higher than 85dB SPL-LAeq for several hours can irreversibly damage your hearing.
- **Q:** How should I handle the product packaging?
  - **A:** After removing the product from its packaging, keep the packaging out of the reach of children as it could present a suffocation risk.
- **Q:** Do children or people with disabilities need supervision when using the device?
  - **A:** Yes, children under 14 or people with certain types of disabilities should be supervised and/or accompanied when using the device.

What In The Box



Specifications

	THEVA N°1	THEVA N°2	THEVA N°3
Type	Bass-reflex 2-way bookshelf loudspeaker	Bass-reflex 3-way floorstanding loudspeaker	Bass-reflex 3-way floorstanding loudspeaker

Speaker drivers	61/2″ (16.5cm) Slatefiber Midrange/Bass 1″ (25mm) Al/Mg inverte d dome TNF tweeter	2 x 5″ (13cm) Slatefiber bass 5″ (13cm) Slatefiber midrange 1″ (25mm) Al/Mg inverted dome TNF tweeter	2 x 61/2″ (16.5cm) Slatefiber bass 61/2″ (16.5cm) Slatefiber midrange 1″ (25mm) Al/Mg inverted dome TNF tweeter
Sensitivity	89dB	90dB	91dB
Bandwidth	58Hz – 28kHz	53 – 28kHz	48Hz – 28kHz
Low-frequency cut-off	49Hz	44Hz	39Hz
Nominal impedance	8 Ω	8 Ω	8 Ω
Minimal impedance	4.6 Ω	2.9 Ω	2.9 Ω
Recommended amp pow er	25 – 100W	40 – 200W	40 – 250W
Crossover frequency	3,000Hz	280Hz / 2,900Hz	270Hz / 2,700Hz
Dimensions	153/8″x83/8″x101/4″	365/8″x71/2″x137/8″	39″x83/8″x151/4″
(HxWxD)	(39.2×21.2x26cm)	(93.1×19.1×35.2cm)	(98.9×21.2×38.8cm)
Net weight (with grille)	15.43lbs (7kg)	37.48lbs (17kg)	44.09lbs (20kg)
Box dimensions (HxWxD)	193/4″x231/4″x153/8″ (50x59x39cm)	187/8×413/8″x125/8″ (48x105x32cm)	187/8″x431/4 x 133/8″ (48x110x34cm)
Net weight (with packaging)	17kg (37.5lbs, 2 pieces)	46.30lbs (21kg)	54.01lbs (24.5kg)

IMPORTANT SAFETY INSTRUCTIONS

READ FIRST: IMPORTANT SAFETY INSTRUCTIONS!

The bolt of lightning in an equilateral triangle warns the user that the device has high voltage that could result in a risk of electric shock.

CAUTION

- RISK OF ELECTRIC SHOCK
- DO NOT OPEN

**Warning symbol:** This symbol is designed to warn the user of the presence of important instructions mentioned in the user manual and relating to the handling, operation and maintenance of the device.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
12. When using the device, the ambient temperature should not exceed 95°F (35 degrees Celsius).
13. Do not use this device in tropical climates.
14. Do not place naked flame sources, such as lit candles, near the device.
15. The appliance should only be mounted on a wall or ceiling if the manufacturer allows for this.
16. This product has sharp corners. Handle it with care.
17. Do not attempt to repair this device yourself. Opening the device may be dangerous. Contact a qualified professional for all work on the device.
18. When replacement components are needed, use only the components specified by the manufacturer or components with identical technical features to those of the original product. Using non-compliant components could cause fires, electric shocks or other risks.
19. After any maintenance or repair work on the device, test it to check that it is working safely.
20. Turn the source to minimum before connecting the products and turning up the volume. Once the products are

in place, gradually increase the volume to a reasonable and comfortable level.

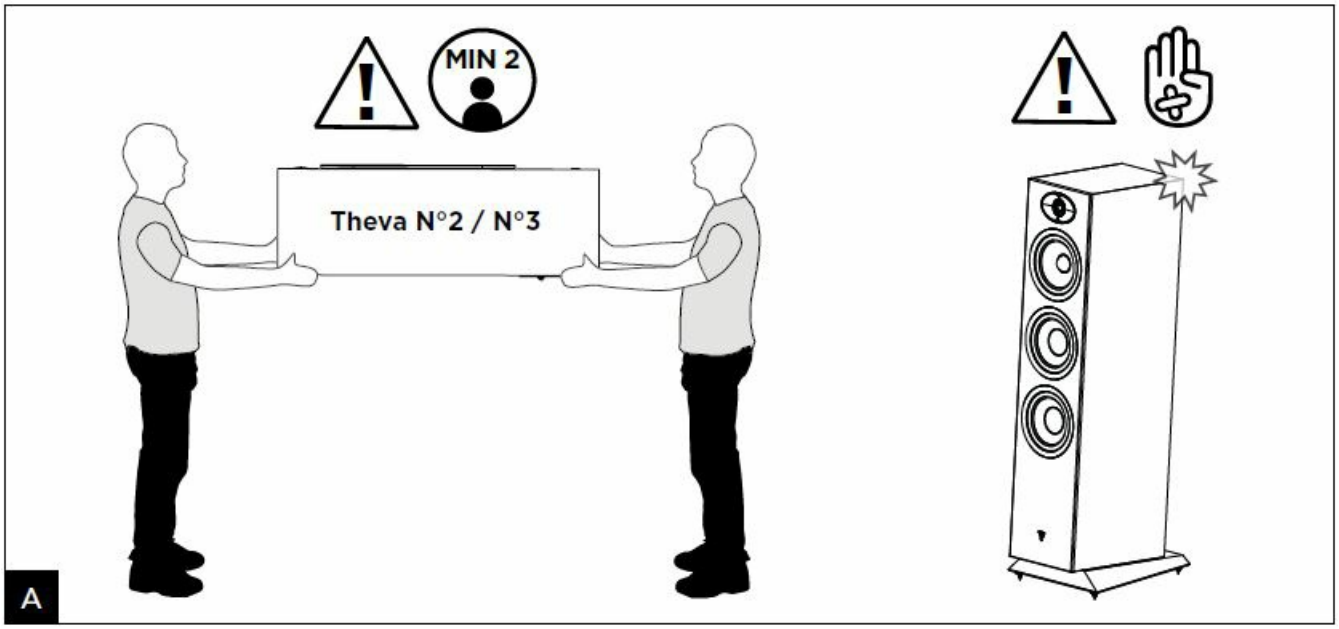
21. 

To avoid damaging your hearing, do not listen to loudspeakers at high volumes for long periods of time. Listening to loudspeakers at an excessive volume can cause damage to the user's ears and may lead to hearing problems (temporary or permanent deafness, buzzing in the ears, tinnitus, hyperacusis). Exposing your ears to a volume higher than 85dB SPL-LAeq for several hours can irreversibly damage your hearing.
22. After removing the product from its packaging, keep the packaging out of the reach of children. It could present a suffocation risk.
23. Some users who are not self-sufficient enough to use the product on their own without danger. In particular, children under 14 or people with some types of disabilities must be supervised and/or accompanied when using the device.

Thank you for purchasing a Focal product. Welcome to our High-Fidelity world. Innovation, tradition, excellence and pleasure are our values; our one and only aim is to bring you a sound that is rich, pure and true. To get the most out of your product, we recommend that you read the instructions in this booklet, then store it in a safe place to refer to in the future.

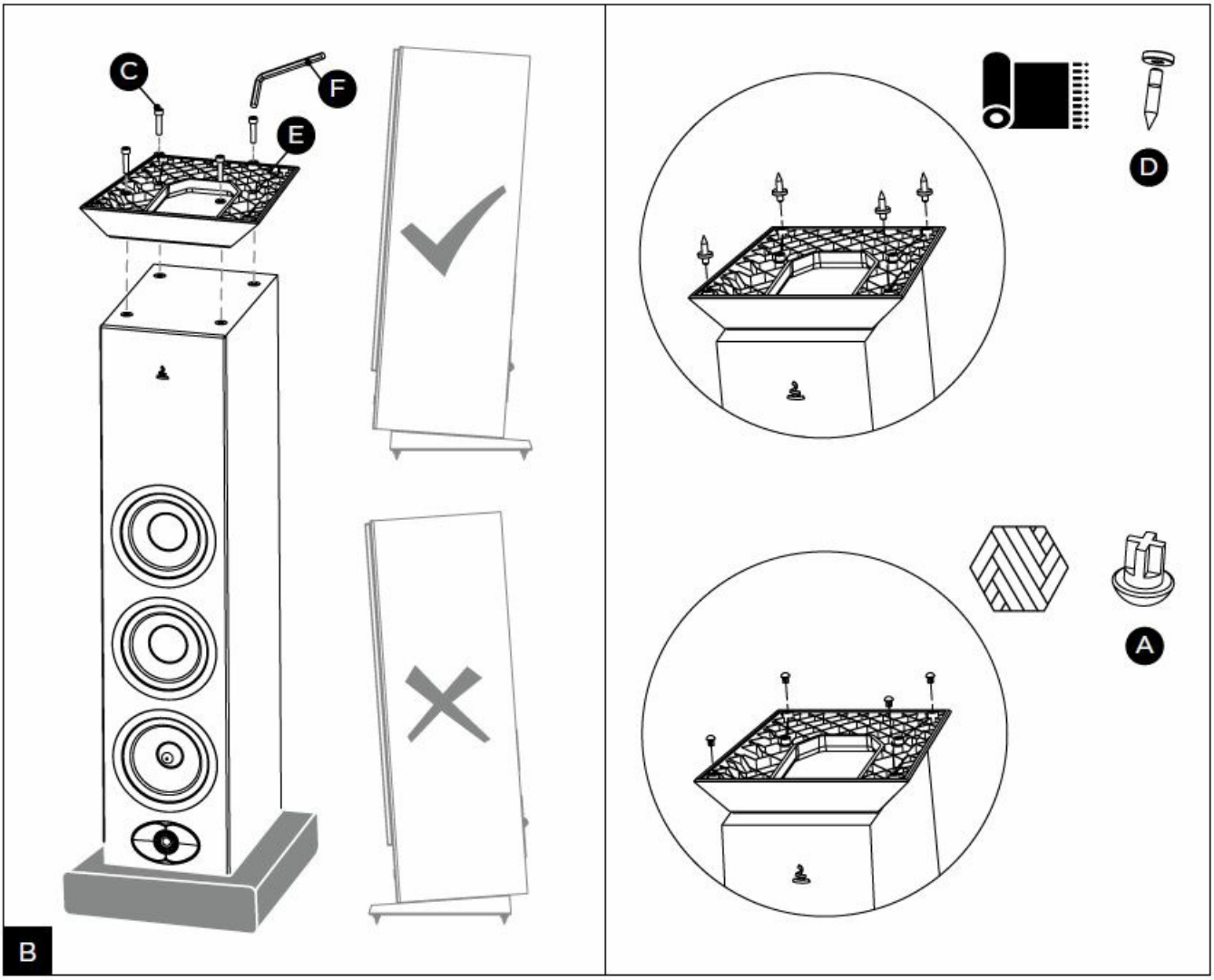
Installation Instructions

Handling (fig. A)



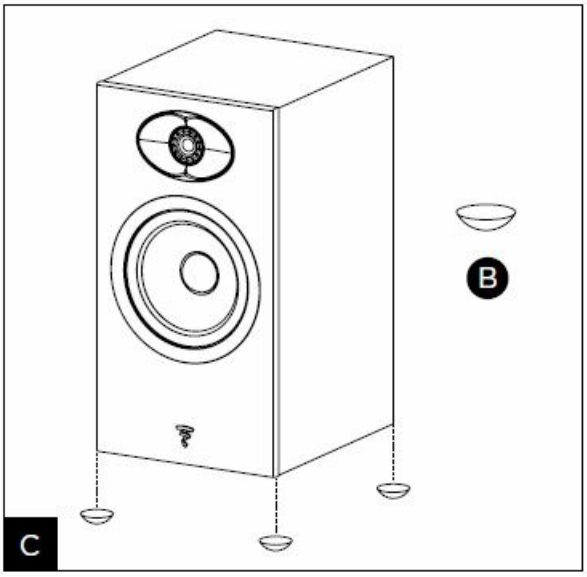
- Theva N°2/N°3 loudspeakers weigh almost 20kg. We strongly advise having 2 people lift them during unpacking and installation.
- Theva loudspeakers have sharp corners. Take care not to injure yourself when handling your loudspeakers.

Fixing the base (N°2, N°3) (fig. B)



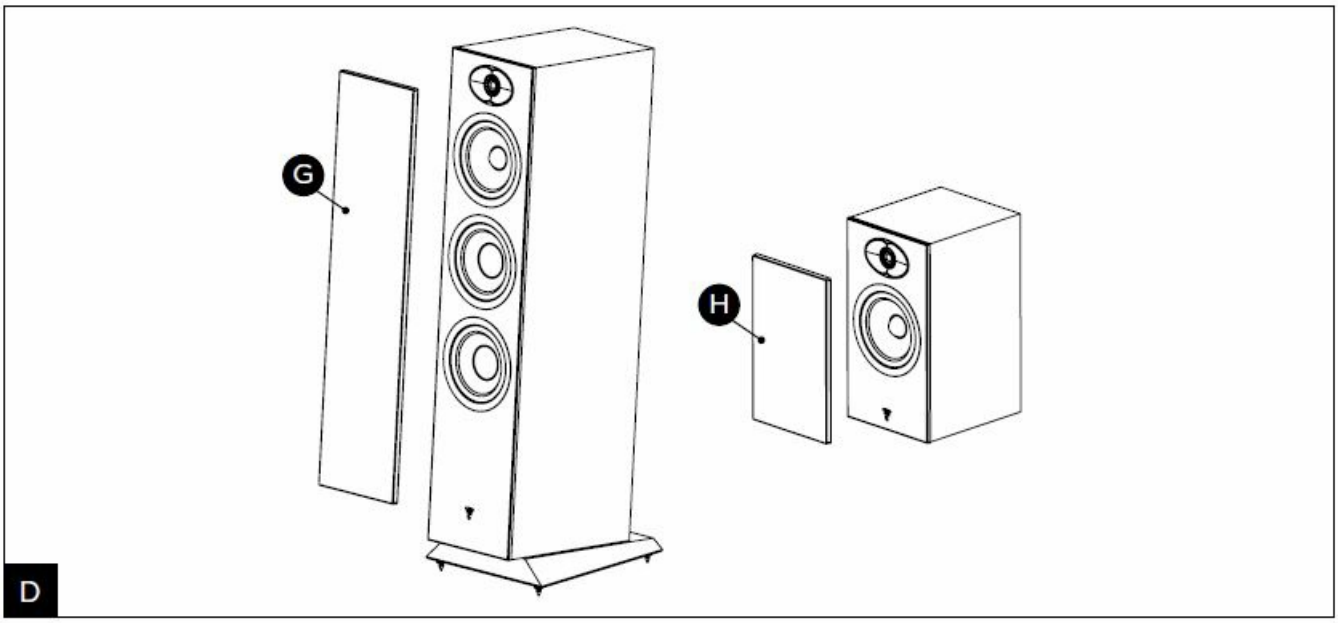
- Align the base opposite the fixing holes, position the 4 screws supplied and tighten them using the Allenkey provided. Make sure the base is the right way up (upper part at the front of the loudspeaker).
- Then simply attach the rubber feet or spikes depending on the type of floor your loudspeaker will stand on. For hard floors, we recommend using the rubber feet.
- If installing your loudspeaker on carpet, using the spikes will provide greater stability.

Fixing the silicone feet (N°1) (fig. C)



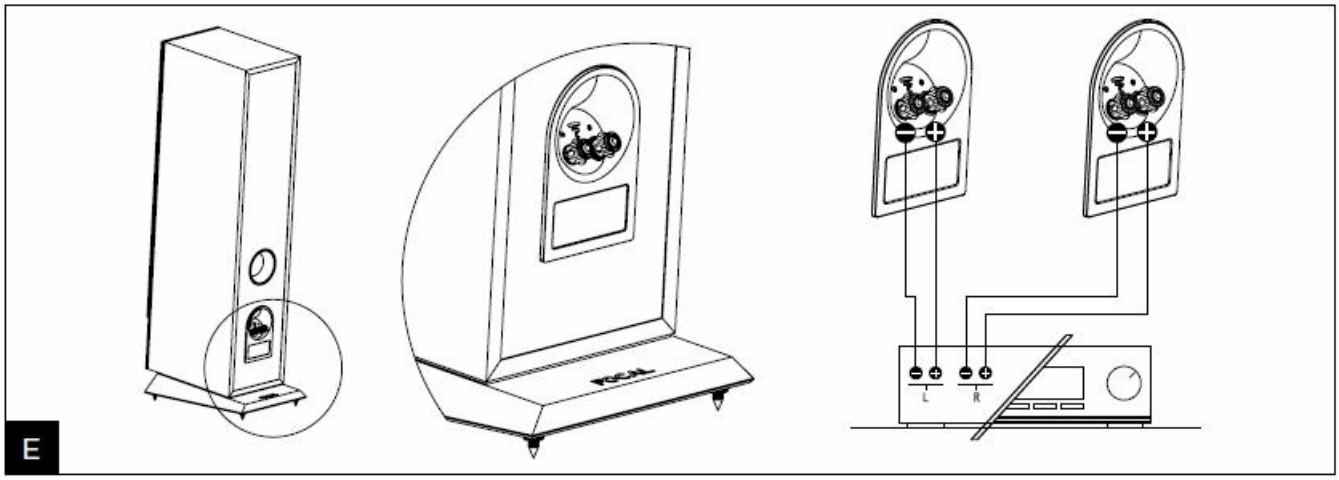
- Silicone feet are included with the Theva N°1 library loudspeakers. If positioning the loudspeakers on a shelf or furniture unit, make sure you stick on the silicone feet before installation.
- If you wish to install your loudspeakers on the Theva feet (optional), please refer to the assembly instructions supplied with the feet.

Grilles (fig. D)



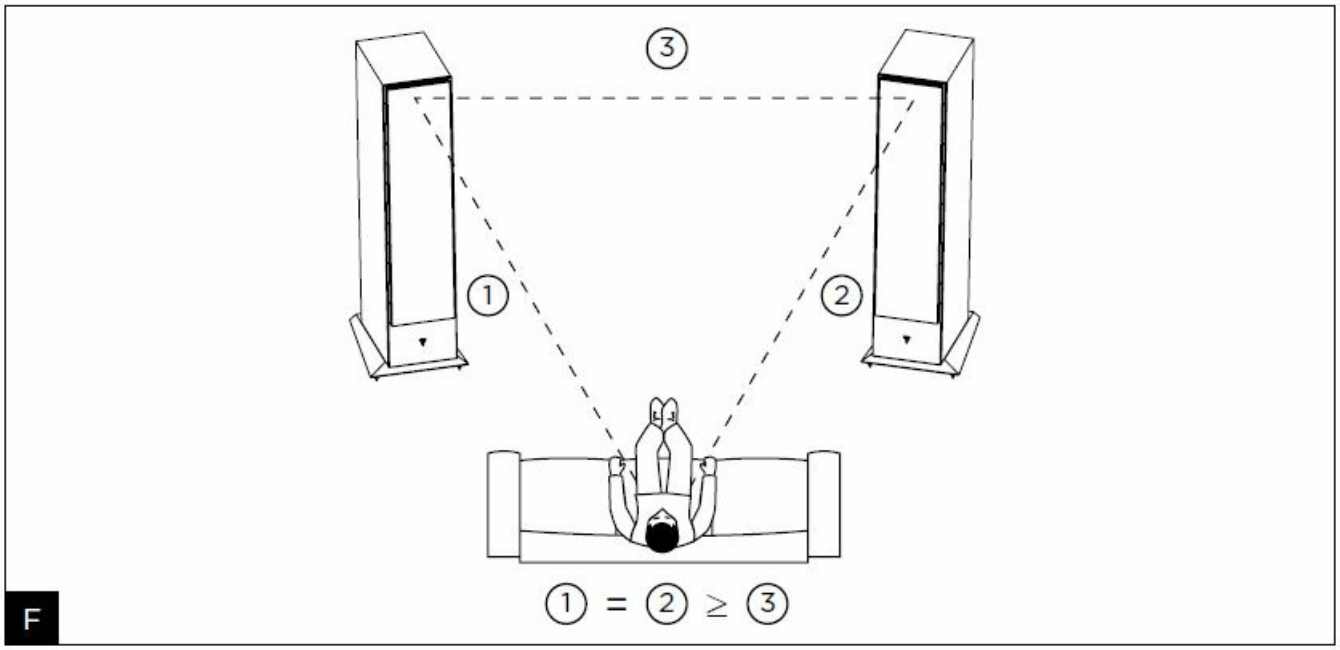
- Theva loudspeakers are supplied with grilles to protect the speaker drivers. They are easy to fit or remove thanks to their magnetic attachment system.
- We advise removing them when you are listening to music to get the best performance from your loudspeakers.

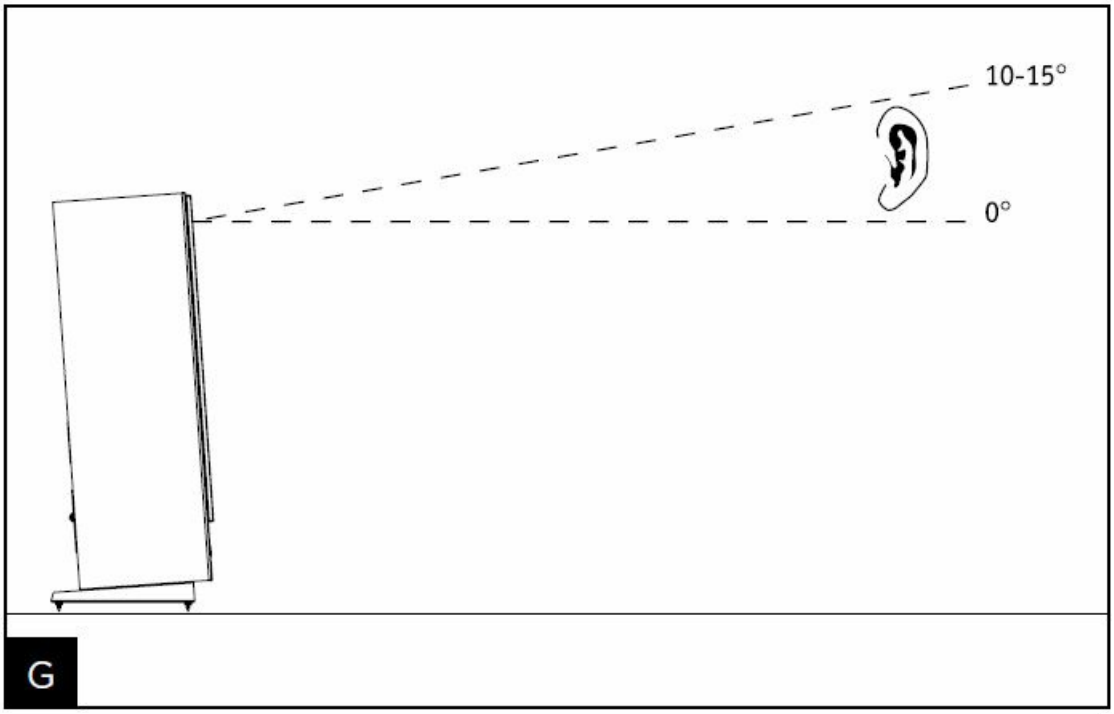
Connections (fig. E)

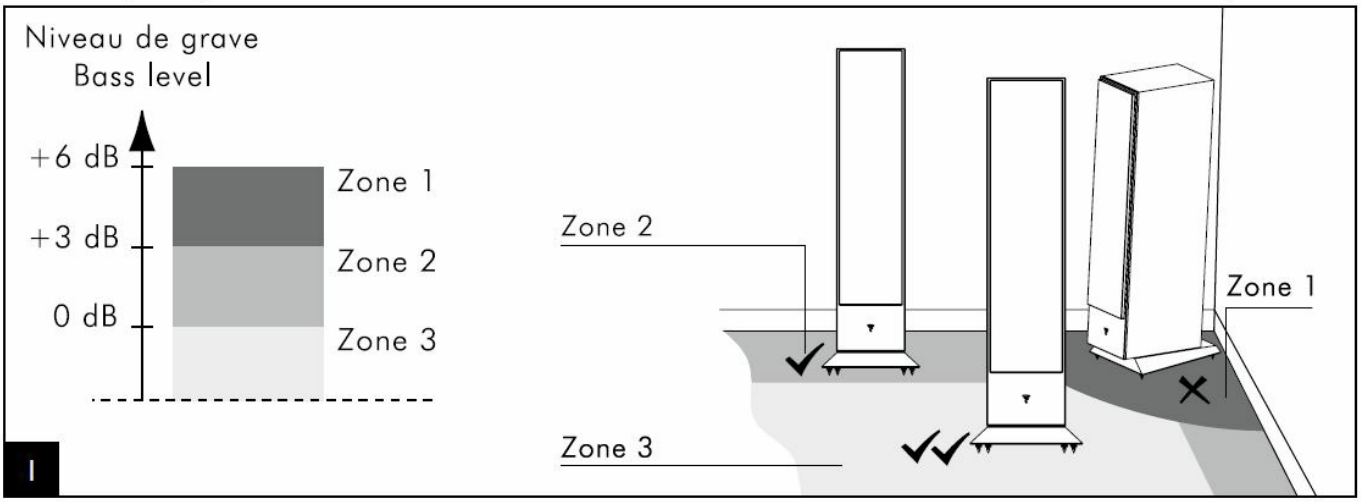


Theva connectors provide reliable, multi-purpose contacts for stripped cables (up to 4mm diameter), fork terminals or banana connectors. It is imperative to respect the connector polarity of both the loudspeaker and the amplifier. The connector marked “+” must be connected to the positive output on the amplifier and the connector marked “-” must be connected to the negative terminal . Stereo image and bass perception would be seriously compromised if these conditions are not respected. Choose good quality cables with a cross-section appropriate to their length: your retailer will be able to advise you.

Positioning (fig. F, G, I)

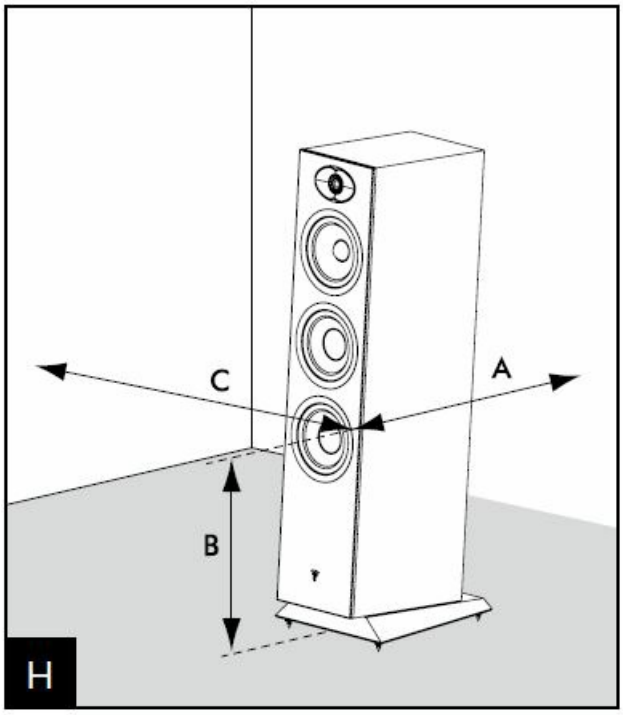






- These loudspeakers have been designed to deliver the most faithful reproduction of all kinds of music or home cinema programmes. Nonetheless, we recommend following these simple rules to optimise their performance and to warranty good tonal balance and a realistic sound image.
- The loudspeakers should be positioned symmetrically, facing the listening area, ideally forming an equilateral triangle with it. However, these distances may be adjusted to find the ideal compromise according to the design of your interior (fig. F).
- The loudspeakers should be positioned at the same height, in the same horizontal plane. Ideally, the tweeter should be positioned at the same height as the listener's ears in the usual listening position (fig. G).
- Do not position your loudspeakers too close to a corner of the room and do not place them too close to a wall. This will induce some unwanted room resonance and artificially increase bass response. On the other hand, if the bass level is considered to be insufficient, you could try moving the loudspeakers nearer a wall to re-balance the bass level (fig. I).

Optimisation (fig. H)



For perfectionists, here is a formula for optimal positioning:

- If A is the distance from the centre of the woofer to the nearest floor or wall, B is the distance to the next closest floor or wall, and C is the greatest distance (A < B < C), the equation B2 = AC defines the ideal loudspeaker position.

Example: If the centre of the woofer is 20” (50cm) away from the rear wall (A) and 24” (60cm) above the floor (B), then the side wall will be ideally 28” (72cm) away [C = B2 ⁄ A = 28” (72cm)].

Recommendations for use

The behaviour of the loudspeakers depends on the acoustics of the listening room, on the correct positioning of the loudspeakers within the room, and on the position of the listener. It is possible to tweak each of these parameters to obtain or improve a desired effect. Stereo perception is imprecise and poorly centred: try moving the loudspeakers closer together and/or have them facing the listening point:

- **The sound is harsh, aggressive:** the acoustics of your listening room are probably too reverberant. Consider using sound-absorbing materials (carpets, upholstered furniture, tapestries, curtains, etc.) and sound-reflecting materials (furniture) to absorb or diffuse resonance.
- **The sound is “flat”, strangled:** there are too many sound-absorbing materials in the room, the sound is soaked up, it has no relief. Look for the best compromise between sound-absorbing and sound-reflecting materials in your room.

In general, aim to have a reflective wall behind the loudspeakers for the sound to develop correctly. The wall behind the listening area, on the other hand, should ideally be sound-absorbing to avoid rear reflections “contaminating” the stereo image. Furniture can be judiciously placed near the side walls of the room to diffuse sound waves and ensure certain frequency ranges are not excited, particularly in the midrange (suppression of flutter echoes).

Break-in period

The speaker drivers used in Theva loudspeakers are complex mechanical components which require a certain time to adapt to operate at their best and to become acclimatised to the temperature and humidity of the listening environment. This break-in period varies depending on the climate and may last a few weeks. To reduce the break-in period, we recommend operating the loudspeakers for approximately twenty consecutive hours. Once the loudspeakers' characteristics have totally stabilised, you will be able to enjoy your Theva loudspeakers' performance to the full.

Special precautions

- The only maintenance required for the Theva loudspeakers is dusting with a dry cloth. If your loudspeaker becomes dirty, we recommend simply cleaning it with a damp cloth.
- Never use solvents, detergents, alcohol-based or corrosive products, scrapers or scourers to clean the surface of a loudspeaker.
- Keep the loudspeakers away from sources of heat.

Choosing the right amplifier

It is not an excess of amplifier power that can damage your loudspeakers and speaker drivers but a lack of power. Moreover, if the volume is turned up too high, the amplifier saturates and generates parasite signals that may damage the tweeter. The dynamic capacity and definition of Theva loudspeakers are sufficient to reveal the strengths and weaknesses of whatever amplifier is connected. Your retailer will be able to help you choose the amplifier best suited to your tastes and budget.

Warranty

Conditions of warranty

- All Focal loudspeakers are covered by warranty drawn up by the official Focal distributor in your country.
- Your distributor can provide all details concerning the conditions of warranty.
- Warranty cover extends at least to that granted by the legal warranty in force in the country where the original purchase invoice was issued.

Scan

- Please validate your Focal-JMlab warranty, it is now possible to register your product online: **www.focal.com/warranty**

Our policy of continual product improvement means that Focal-JMlab reserves the right to modify the technical specifications of its products without notice. Product may vary from images.

Correct elimination of this product

This marking indicates that within the EU this product should not be disposed of with other household wastes. To prevent any risk to the environment or human health, please recycle them responsibly to encourage the reuse of material resources. To return your used device, please use the return and collection systems available, or contact the retailer where you purchased the product. They can recycle this product safely.

Scan QR code for information on packaging disposal

Contact

Focal-JMlab®

- BP 374 – 108, rue de l'Avenir – 42353 La Talaudière cedex
- www.focal.com
- **Tel.** (+33) 04 77 43 57 00
- **Fax.** (+33) 04 77 43 57 04

Documents / Resources

	FOCAL Theva N1 Rackmount Hi-Fi Speaker [pdf] User Manual Theva N1 Rackmount Hi-Fi Speaker, Theva N1, Rackmount Hi-Fi Speaker, Hi-Fi Speaker, Speaker

References

- USA | Focal
- Focal
- Focal

- User Manual

Manuals+, Privacy Policy