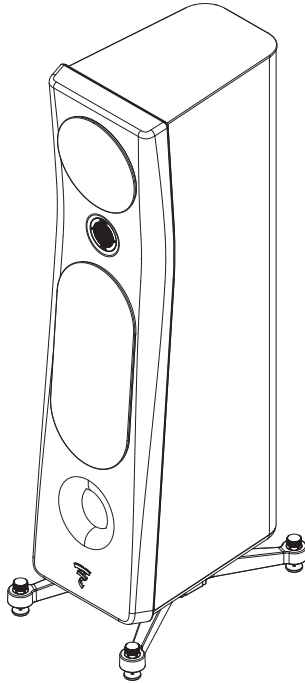


# KANTA®

Manuel d'utilisation / User Manual / Gebrauchsanleitung / Manuale d'uso / Manual de uso /  
Manual de utilização / Handleiding / Руководство по эксплуатации / 使用手册 / 사용 설명서 / 取扱説明書 /



Français : page 5

English : page 8

Deutsch : Seite 11

Italiano : pagina 14

Español : página 17

Português : página 20

Nederlands : pagina 23

Русский : стр. 26

中文 : 第29页

한국어 : 32 페이지

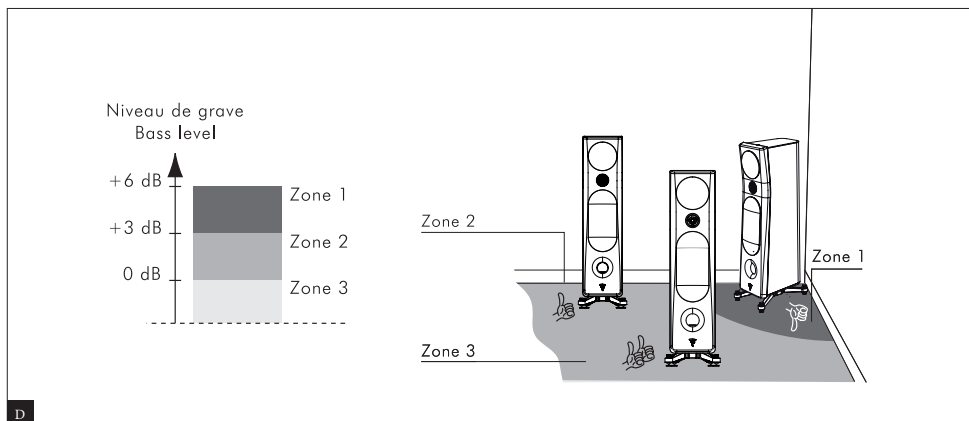
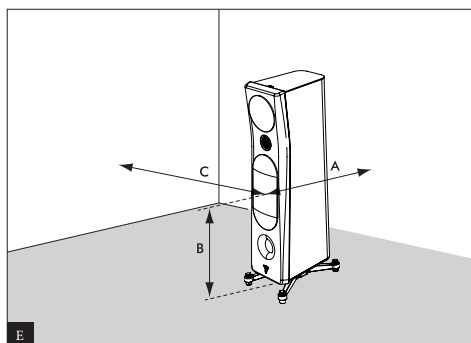
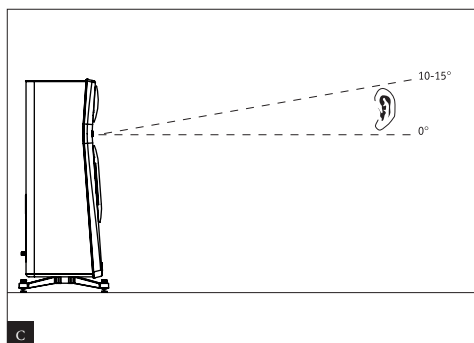
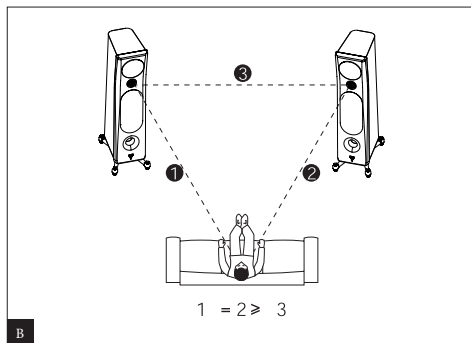
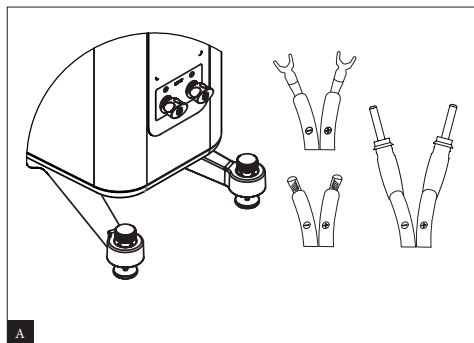
日本語 : ページ 35

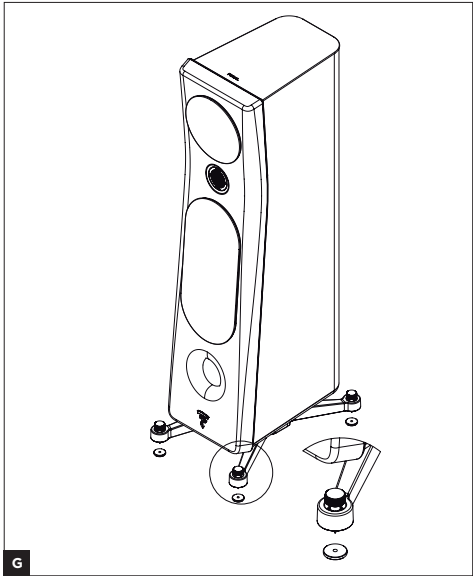
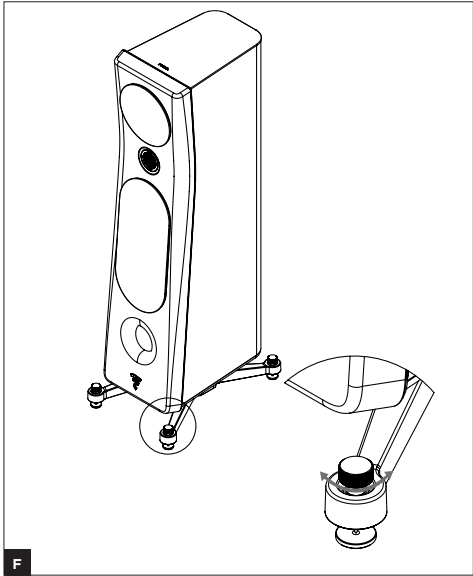
الصفحة : الصفحة ٥٩

# KANTA®

## Manuel d'utilisation / User manual

2





Please validate your Focal-JMLab warranty,  
it is now possible to register your product online: [www.focal.com/warranty](http://www.focal.com/warranty)



### Connections

Kanta 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 (fig. A). 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

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 guarantee 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. B).

**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. C).

**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. D).

### Optimisation

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  $B^2 = AC$  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 [ $C = B^2/A = 28"$  (72cm)] (fig. E).

### 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).

### Spikes

Kanta floorstanding loudspeakers are equipped with decoupling spikes. These spikes give the floorstanding loudspeakers very good stability, particularly on uneven floors. The height of the spikes supplied can be adjusted to ensure the 4 spikes (fig. F) rest evenly on the floor to prevent any wobbling. Four spike pads are also supplied to protect soft floors such as parquet, etc. (fig. G).

### Break-in period

The speaker drivers used in Kanta 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 Kanta loudspeakers' performance to the full.

### Special precautions

The only maintenance required for the Kanta 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 Kanta 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.

### **Conditions of guarantee**

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