

PERFORMANCE COMPONENT SYSTEMS

User manual

English version

Thank you for choosing Focal and for sharing our passion for the "Spirit of Sound". Designed using the latest technology, these speakers integrate Focal's perfectionist believes, developing products with high power handling, and unrivalled sound quality. To obtain the best results from this product, we recommend that you follow carefully all the information contained in this user's manual. If not correctly followed, any fault observed may not be covered by the guarantee.

Warning

Continuous listening at high sound level (above 110dB) can durably damage your hearing. Listening above 130dB can damage your hearing permanently.

The Focal guarantee only applies if the enclosed guarantee card is returned to us within 10 days of purchase.

Important recommendations

Before attempting any installation work, it is very important to check how much space is available to fit the speakers into the vehicle.

Key points:

- Ensure the speaker is clean from debris and metallic particles that maybe attached (especially after drilling).
- Clean before mounting the speakers.



Focal-JMlab® - BP 374 - 108, rue de l'Avenir - 42353 La Talaudière cedex - France - www.focal.com
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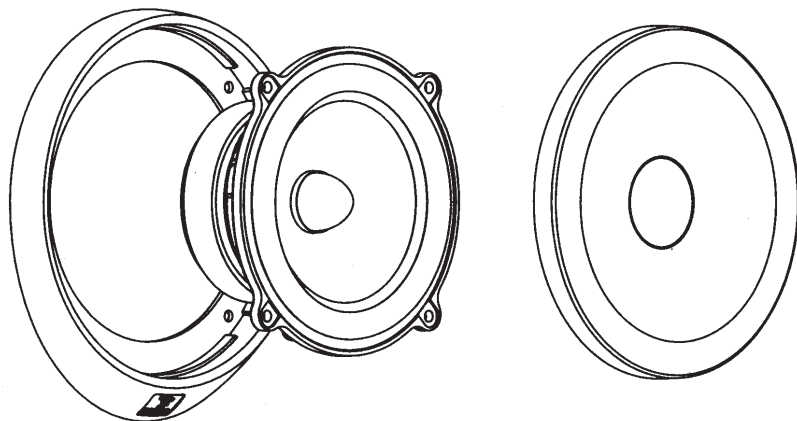
Due to constant technological advances, Focal reserves its right to modify specifications without notice. Images may not conform exactly to specific product..

PERFORMANCE COMPONENT SYSTEMS / SÉPARÉS

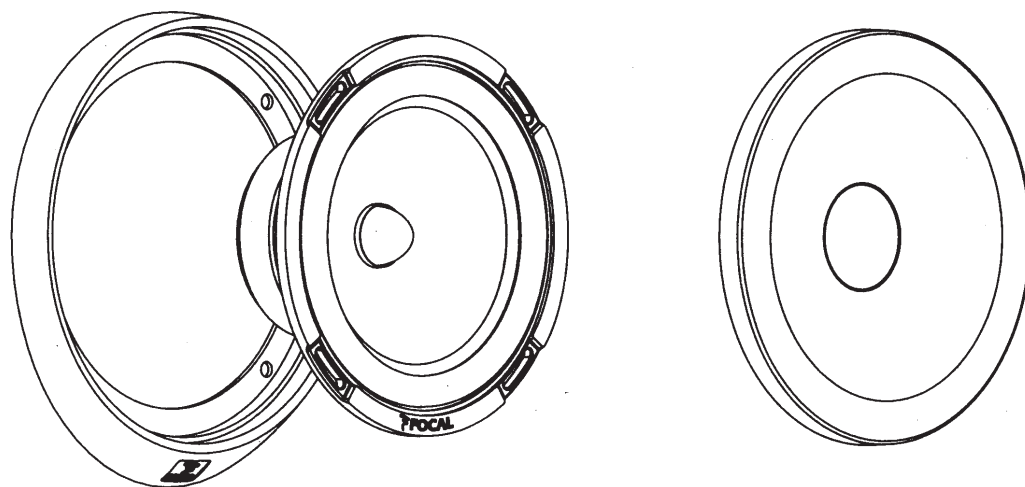
User manual / Manuel d'utilisation

3

PS 130



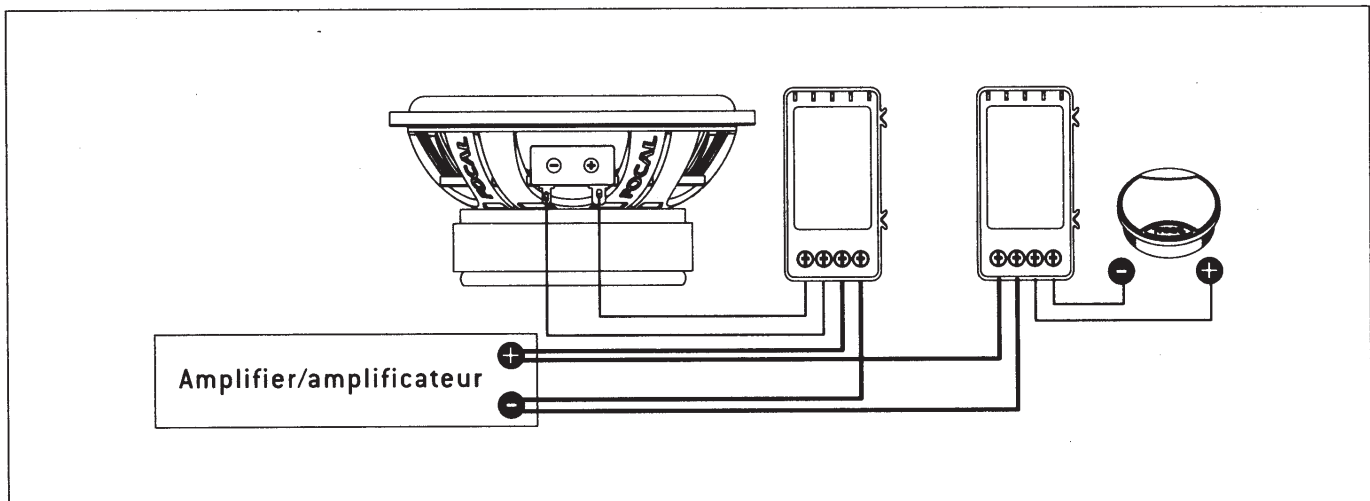
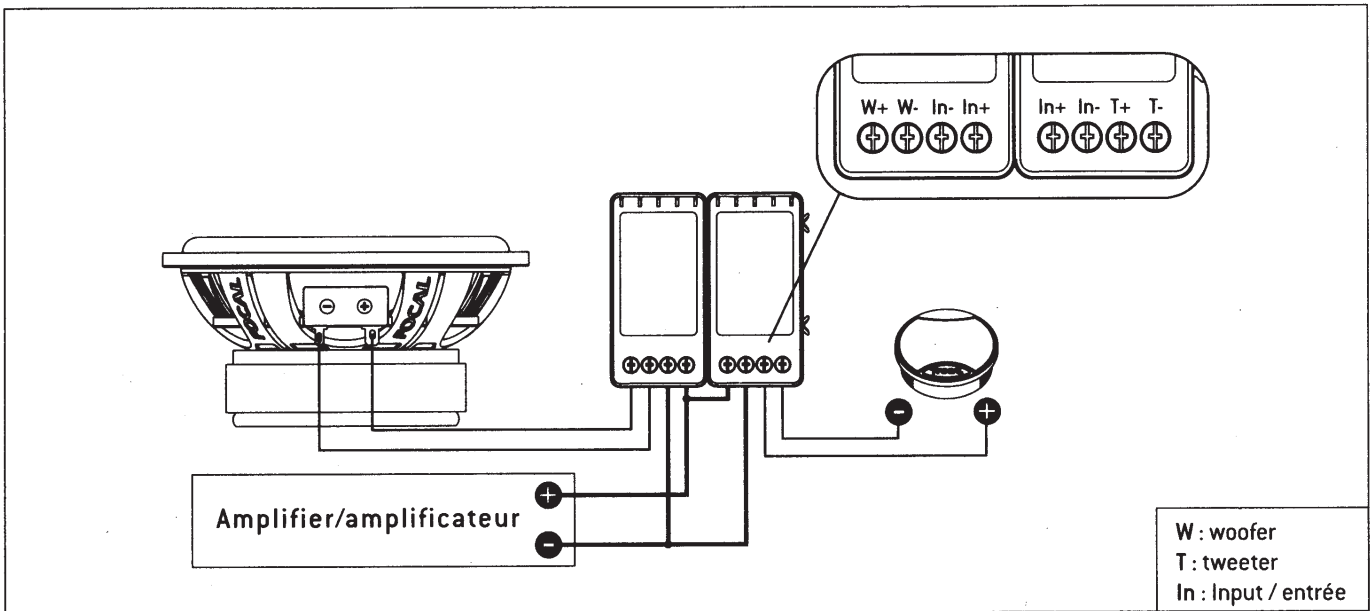
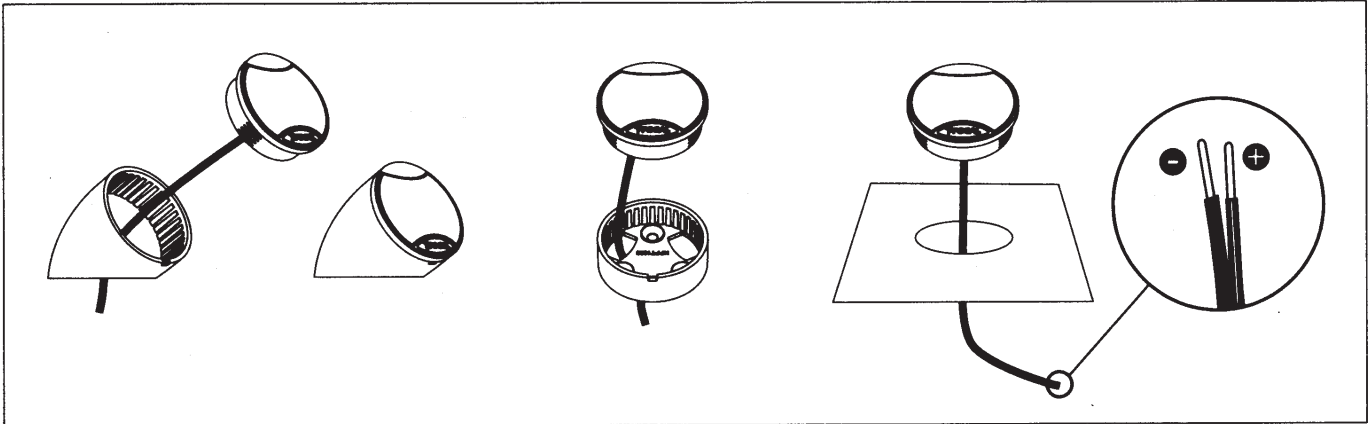
PS 165



PERFORMANCE COMPONENT SYSTEMS / SÉPARÉS

User manual / Manuel d'utilisation

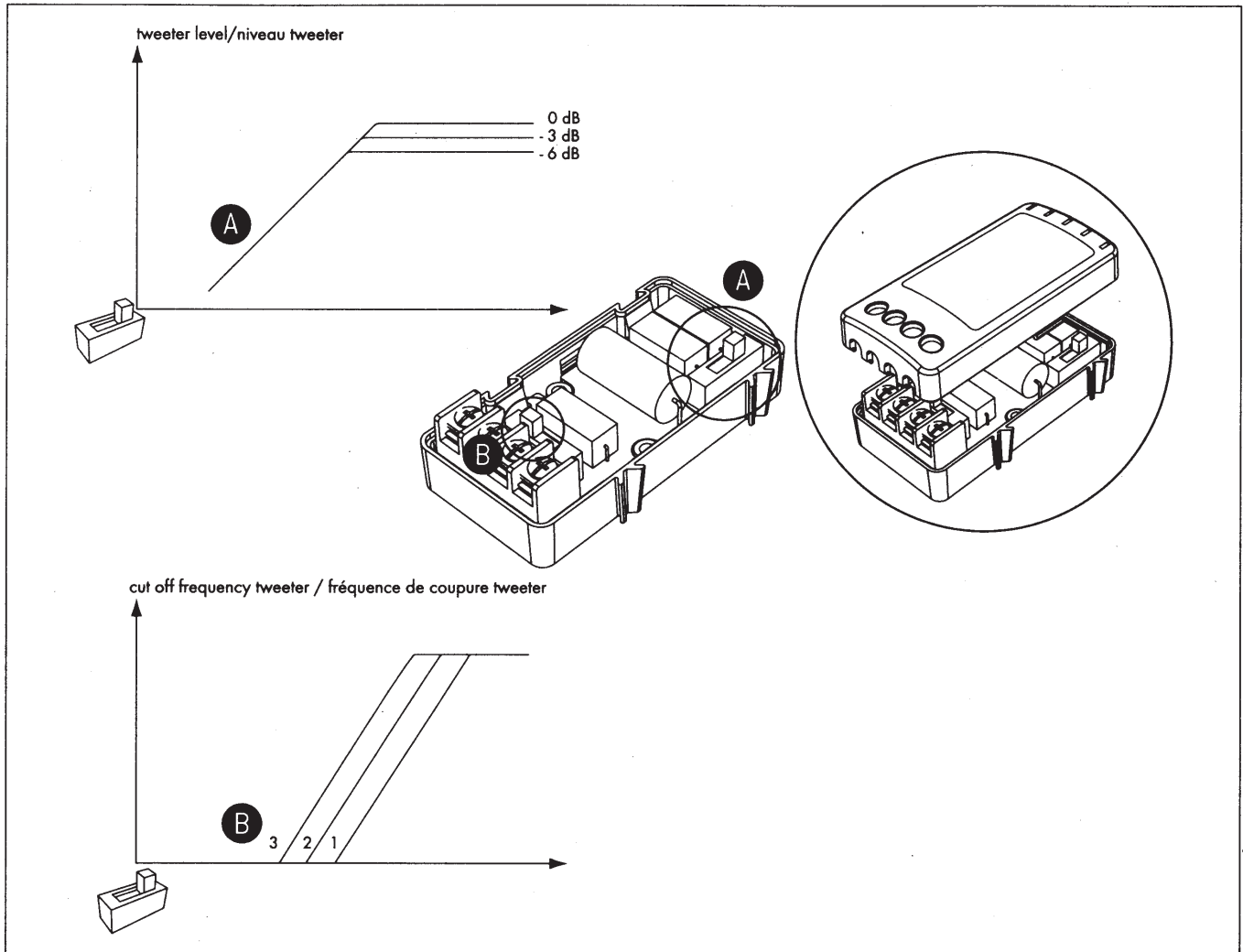
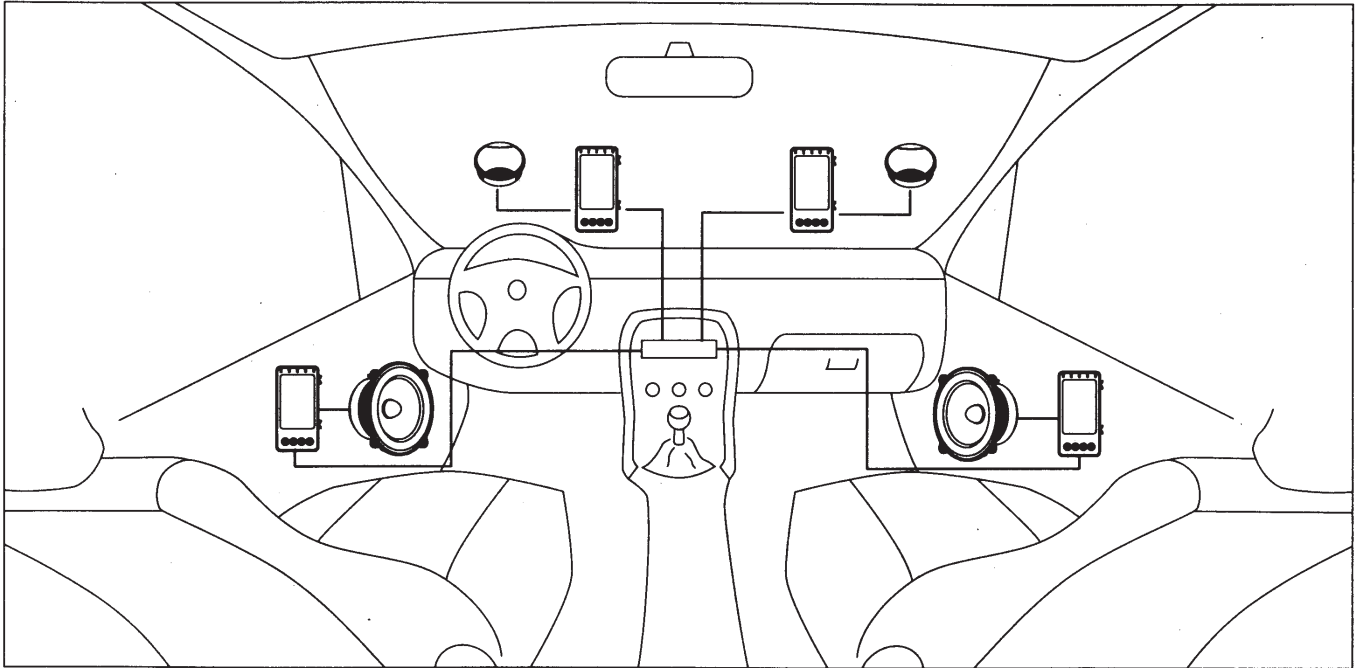
4



PERFORMANCE COMPONENT SYSTEMS / SÉPARÉS

User manual / Manuel d'utilisation

5



FR Conditions de garantie

En cas de problème, adressez-vous en premier lieu à votre revendeur Focal.

La garantie pour la France sur tout matériel Focal est de 2 ans. En cas de matériel défectueux, celui-ci doit être expédié à vos frais, dans son emballage d'origine auprès du revendeur, lequel analysera le matériel et déterminera la nature de la panne. Si celui-ci est sous garantie, le matériel vous sera rendu ou remplacé en "franco de port". Dans le cas contraire, un devis de réparation vous sera proposé. La garantie ne couvre pas les dommages résultant d'une mauvaise utilisation ou d'un branchement incorrect (bobines mobiles brûlées par exemple...).

En dehors de la France, le matériel Focal est couvert par une garantie dont les conditions sont fixées localement par le distributeur officiel Focal de chaque pays, en accord avec les lois en vigueur sur le territoire concerné.

GB 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.

D Garantiebedingungen

Alle Focal-Lautsprecher sind durch eine vom offiziellen Focal-Vertragshändler in Ihrem Land gewährten Garantie abgedeckt. Einzelheiten bezüglich der Garantiebedingungen erhalten Sie von Ihrem Vertragshändler. Die Gewährleistung erstreckt sich mindestens auf die geltende gesetzliche Garantie des Landes, in dem der Original-Kaufbeleg ausgestellt wurde.

E Condiciones de la garantía

Todos los altavoces Focal están cubiertos por la garantía extendida por el distribuidor oficial de Focal de su país. Su distribuidor le proporcionará detalles concernientes a las condiciones de la garantía. La cobertura de la garantía alcanza por menos hasta la concedida por la garantía legal en vigor en el país en donde se emitió la factura de compra original.

P Condições da garantia

Todos os altifalantes Focal são abrangidos por uma garantia redigida pelo distribuidor oficial da Focal no seu país. O seu distribuidor pode fornecer todos os pormenores relativamente às condições da garantia. A cobertura da garantia estende-se pelo menos ao que é concedido pela garantia legal em vigor no país em que o recibo de compra original foi emitido.

I Condizioni di garanzia

Tutti gli altoparlanti Focal sono coperti dalla garanzia rilasciata dal distributore ufficiale Focal del vostro paese. Il vostro distributore potrà fornirvi tutti i dettagli riguardanti le condizioni di garanzia. La copertura della garanzia comprende almeno ciò che è contemplato dalla garanzia legale in vigore nel paese in cui è stata rilasciata la fattura originale d'acquisto.

PERFORMANCE COMPONENT SYSTEMS / SÉPARÉS

User manual / Manuel d'utilisation

7

NL Garantievoorwaarden

Alle Focal luidsprekers vallen onder een garantie die door de officiële Focal-distributeur in uw land is opgesteld. Uw distributeur kan u alle details leveren met betrekking tot de garantievoorwaarden. Garantiedekking geldt ten minste voor de wettelijke toegekende garantie die van kracht is in het land waar de originele aankoopbon is uitgegeven.

PL Warunki gwarancyjne

Wszystkie głośniki Focal są objęte gwarancją wydaną przez oficjalnego dystrybutora Focal w Twoim kraju. Dystrybutor poinformuje Cię o wszystkich szczegółach związanych z warunkami gwarancyjnymi. Zakres gwarancji obejmuje przynajmniej gwarancję ustawową oferowaną w kraju, w którym wydano oryginalną fakturę zakupu.

RU Условия гарантии

Все динамики Focal обеспечиваются гарантийным обслуживанием, осуществляемым официальным дистрибьютором Focal в Вашей стране. Ваш дистрибьютор может сообщить Вам все детали, относящиеся к условиям гарантийного обслуживания. Территорией действия условий гарантии является, как минимум, территория той страны где было приобретено данное изделие Focal в соответствии с оригинальным счетом-фактурой.

AR

شروط الضمان

تغطي كل السماعات المركزية (focal) بضمان يقدمه موزع السماعات المركزية المعتمد ببلدكم. يمدك الموزع الخاص بك بكل التفاصيل الخاصة بشروط الضمان. يمتد غطاء الضمان على الأقل إلى الفترة التي يمنحها الضمان القانوني الساري في الدولة محل إصدار فاتورة الشراء الأصلية.

International guarantee

For the validation of the Focal guarantee, send back this sheet within 10 days to the following address:

Focal-JMLab - BP 374 - 108, rue de l'Avenir - 42353 La Talaudière cedex - FRANCE

About yourself:

Your name: _____ Your age: _____ Your job: _____

Your full address: _____

Your e-mail address: _____

Your hobbies:

At home, do you own Hi-Fi loudspeakers? - Yes - No

If yes, specify the brand: _____

Do you read the press? - Yes - No

If yes, which magazine(s)? _____

Your audio/video equipment (brands and models) before the acquisition of Focal products:

CD player/tuner: _____ Multimedia player: _____

Navigation system: _____ Amplifier: _____

Speakers: _____ Enclosure/subwoofer: _____

Other elements: _____

Your choice for the purchase of this Focal model was made according to:

- | | |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <input type="checkbox"/> - Dealer's advice | <input type="checkbox"/> - Friend's or family's advice |
| <input type="checkbox"/> - Visiting an exhibition/a show | <input type="checkbox"/> - Quality-price ratio |
| <input type="checkbox"/> - Sound quality/listening room | <input type="checkbox"/> - Already own Focal products |
| <input type="checkbox"/> - Reliability/manufacturing quality | <input type="checkbox"/> - Catalogues |
| <input type="checkbox"/> - Design/Finish | <input type="checkbox"/> - French product |
| <input type="checkbox"/> - Article in the press (if yes, specify the title of the magazine) _____ | <input type="checkbox"/> - Other : _____ |

Your Focal product:

Model: _____ Serial number: _____

Dealer's name: _____ City: _____

Date of your purchase: _____ Price of your purchase: _____

Did you leave the product installation to your dealer's care? - Yes - No

If not, why? _____

This information is necessary to our company to deal with your request. It is registered in our customer file and can give you the right to have access to and correct the information that concerns you through our customer service (+33 477 435 700).

If you do not wish to have your data used by our partners on commercial purpose, tick this box.

If you do not wish to receive commercial propositions from our partners by e-mail, please tick this box.

You may receive commercial offers from our company for products similar to those you have bought.

If you do not wish to, tick that box.

The information given on this page will remain confidential.



SCEB-100914/3

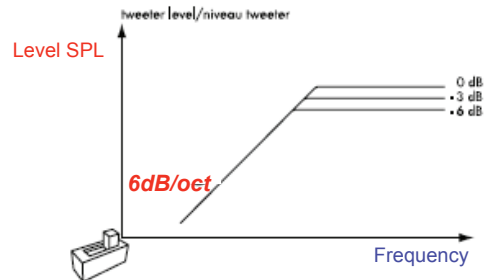
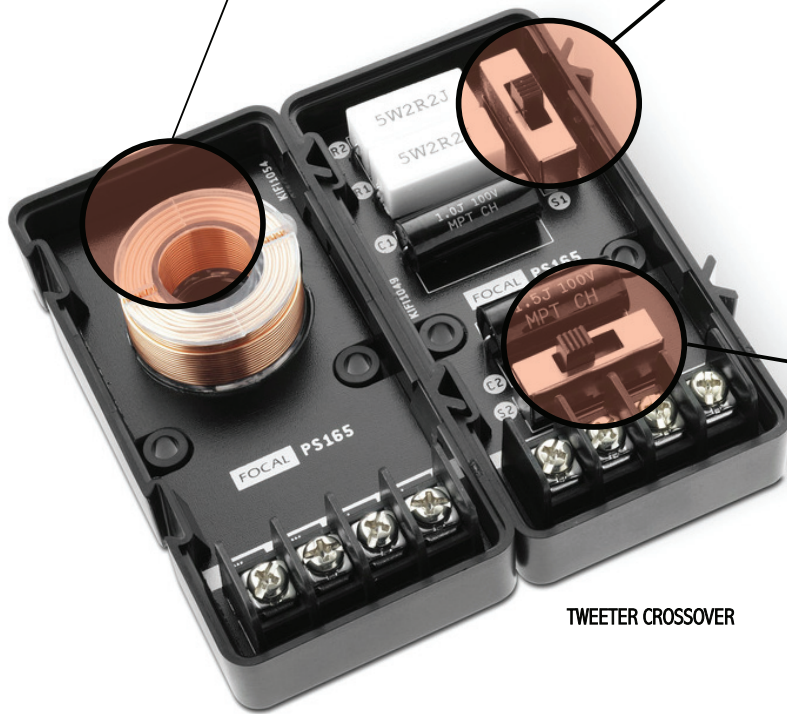
Performance PS 165 & PS 130



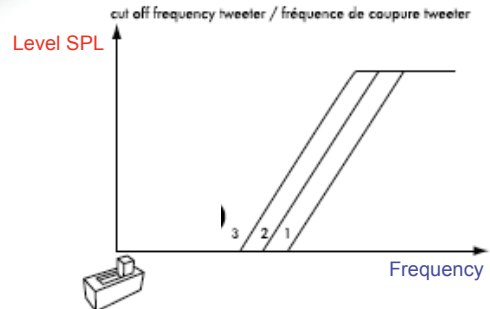
SEPARATED CROSSOVER

WOOFER Cut off frequency
3,5 kHz
6dB/oct

TWEETER level adjustment
0 / -3 / -6 dB

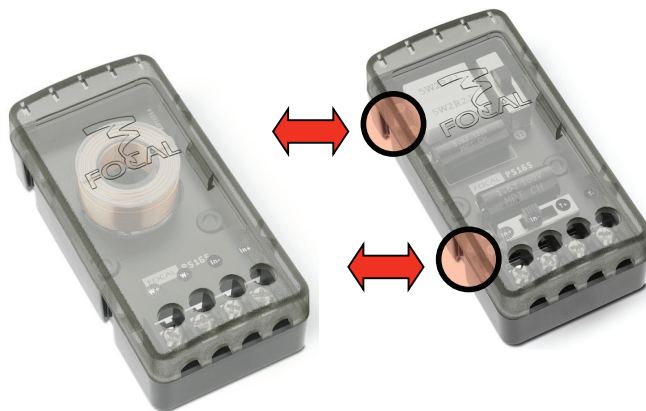


TWEETER Cut off frequency
Position 1= 5KHz
Position 2= 4,5KHz
Position 3= 4KHz



WOOFER CROSSOVER

TWEETER CROSSOVER



ADVANTAGES

- Separated boxes (easy to install)
- Quick and easy to adjust
- Easy woofer crossover

DISPLAY Adjustment

- « Tweeter level » : 0
- « Cut off frequency » : Position 3





PS 165

2-way separated kit
Depth: 2^{3/8}" (65.5mm)
Diameter: 6^{1/2}" (165mm)
80 Watts rms
160 Watts max

Aluminum basket
Spider decompression
Voice coil: 0^{7/8}" (11mm) high, diam. 1" (25mm)
Kapton former
Diamond cutting finish
Tweeter horn cap

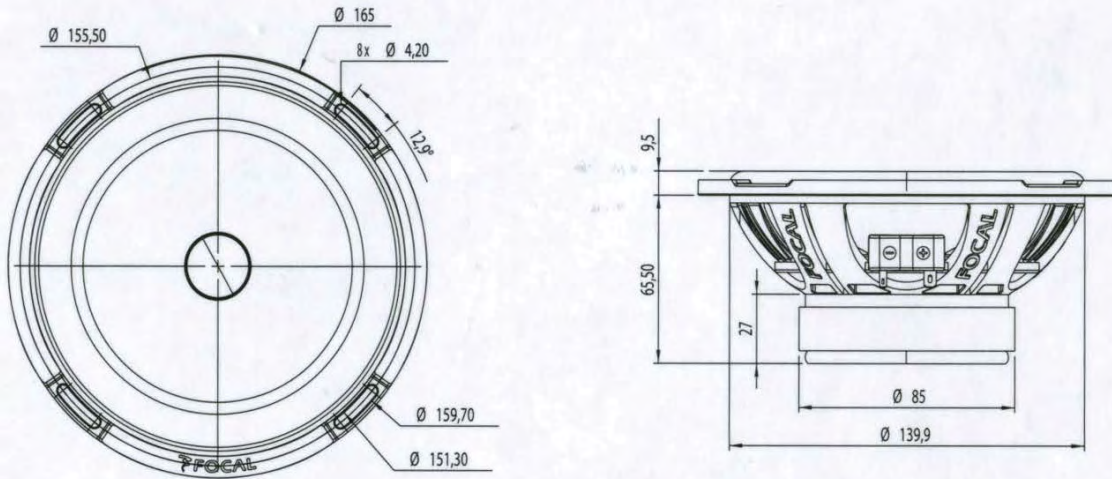
Performance





FOCAL®

the Spirit of Sound



x2



x2



x2



x2



x2



x8



x10

K0112	KITPS165	SCEB-100728/2 - EMCAL319
Serial numbers / Numéros de série		





PS 165



Membrane Polyglass
Polyglass cone



Tweeter TNP - à dôme inversé
TNP tweeter - inverted dome



Châssis en aluminium
Aluminum basket



Filtre audiophile
Audiophile crossover

F Kit 2 voies séparées, diamètre 165 mm

Woofer : 165 mm
Profondeur : 65,5 mm
Membrane Polyglass
Tweeter à dôme inversé en Aluminium
Puissance max. : 160 W
Puissance nom. : 80 W
Sensibilité (2,83 V/1m) : 92,5 dB
Impédance: 4 ohms
Réponse en fréquence : 60 Hz - 20 kHz
(Grilles fournies)

GB 2 separate way kit, 6^{1/2}" (165mm) diameter

Woofer: 6^{1/2}" (165mm)
Depth: 2^{9/16}" (65.5mm)
Polyglass cone
Aluminum inverted dome tweeter
Max. power: 160W
Nom. power: 80W
Sensitivity (2.83V/1m): 92.5dB
Impedance: 4 Ohms
Frequency response: 60Hz - 20kHz
(Grilles supplied)

D Getrenntes 2-Wege-System, Durchmesser 165 mm

Woofer : 165 mm
Tiefe : 65,5 mm
Polyglass-Membran
Tweeter mit Inverskalotte aus Aluminium
Max. Leistung : 160 W
Nennleistung : 80 W
Empfindlichkeit(2,83 V/1 m) : 92,5 dB
Impedanz : 4 Ohms
Frequenzbereich : 60 Hz - 20 kHz
(Gitter im Lieferumfang enthalten)

E Kit de dos vías separados, diámetro 165 mm

Woofer : 165 mm
Profundidad : 65,5 mm
Membrana de polyglass
Tweeter de cúpula inversa en Aluminio
Potencia máx. : 160 W
Potencia nom. : 80 W
Sensibilidad (2,83 V/1m) : 92,5 dB
Impedancia : 4 Ohms
Respuesta en frecuencia : 60 Hz - 20 kHz
(Rejillas suministradas)

P Kit de 2 vías separadas, diámetro de 165 mm

Woofer : 165 mm
Profundidade : 65,5 mm
Membrana de polyglass
Tweeter de cúpula invertida em alumínio
Potência máx. : 160 W
Potência nominal: 80 W
Sensibilidade (2,83 V/1m) : 92,5 dB
Impedância : 4 Ohms
Resposta de frequência : 60 Hz - 20 kHz
(Greijas fornecidas)

I Kit 2 vie separate, diametro 165 mm

Woofer : 165 mm
Profondità : 65,5 mm
Membrana polyglass
Tweeter a cupola rovesciata in Alluminio
Potenza max. : 160 W
Potenza nom. : 80 W
Sensibilità (2,83 V/1m) : 92,5 dB
Impedenza : 4 Ohms
Risposta in frequenza : 60 Hz - 20 kHz
(Griglie fornite in dotazione)

NL Kit 2-weg gescheiden, diameter 165 mm

Woofer : 165 mm
Diepte : 65,5 mm
Polyglass membraan
Tweeter met omgekeerde dome van aluminium
Max vermogen : 160 W
Nom. vermogen : 80 W
Gevoeligheid (2,83 V/1m) : 92,5 dB
Impedantie : 4 Ohms
Frequentierespons : 60 Hz - 20 kHz
(Roosters meegeleverd)

PL Dwudrożny system odseparowany, średnica 165 mm

Woofer: 165 mm
Głębokość montażu: 65,5 mm
Membrana z polyglass
Tweeter o odwróconej kopule z aluminium
Moc maksymalna: 160 W
Moc nominalna: 80 W
Skuteczność (2,83 V/1m): 92,5 dB
Impedancja: 4 ohms
Reakcja na częstotliwość: 60 Hz - 20 kHz
(Siatki w zestawie)

RU 2-х полосная компонентная акустическая система диаметром 165 мм

НЧ-динамик: 165 мм
Глубина: 65,5 мм
Мембрана Polyglass
Твиттер с инвертированным куполом из алюминия
Макс. мощность: 160 Вт
Ном. мощность: 80 Вт
Чувствительность (2,83 В/1 м): 92,5 дБ
Импеданс: 4 Ом
Частотная характеристика: 60 Гц - 20 кГц
(Защитные грили в комплекте)

AR قطر الوحدة 165 مم خط الأداء ، سماعتان تصدران صوتًا منفصل المحور

مكبر الصوت: 165 مم
عمق: 65,5 مم
غشاء Polyglass
مكبر صوت ذو قبة مقلوبة من الألمنيوم
القوة القصوى: 160 وات.
القوة الاسمية: 80 وات.
الحساسية (2.83 فولت / 1 م): 92,5 ديسيبل
المقاومة: 4 أوم
الاستجابة للتردد: 60 هرتز - 20 كيلو هرتز
(مزودة بشبكة حديدية)



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