

SUBWOOFERS

SUB 12

Product sheet

Designed and developed in France, the Sub 12 benefits from Focal's renowned savoir-faire. With its 30cm polypropylene cone, this subwoofer provides an excellent bass boost for any on-board audio system. It features a single-coil architecture for simplicity and efficacy.



Key points

- A deep and powerful bass
- Effective as bass-reflex or sealed box
- Sealed box from 15L
- Bass-reflex box from 30L
- Robust design
- Excellent power handling

Type	For sealed and bass-reflex enclosure
Diameter	30cm
Cone	Polypropylene
Magnet	Ferrite
Surround	Butyl
Max. power	600W
Nominal power	300W RMS
Sensitivity (2.83V/1m)	88dB
Impedance	4 Ω

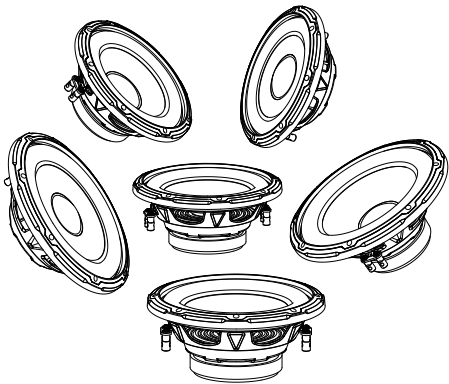
SUBWOOFERS

Sub 10 | Sub 10 Dual | Sub 10 Slim
Sub 12 | Sub 12 Dual | Sub 12 Slim

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



 **FOCAL**®



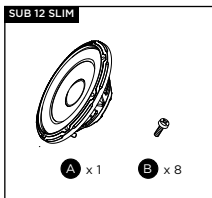
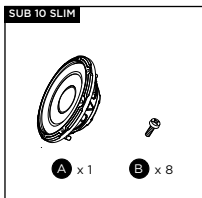
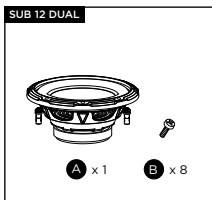
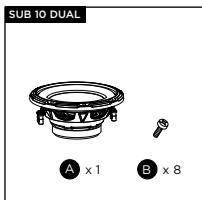
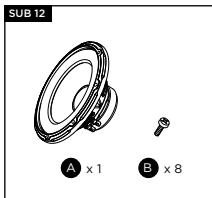
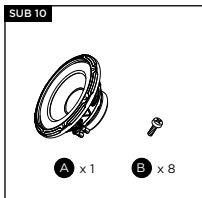
READ FIRST! IMPORTANT SAFETY INSTRUCTIONS!

	<p>The exclamation mark represented in an equilateral triangle is intended to alert users to the existence of important instructions in the user manual relating to the use and maintenance of the device.</p>	
<p>1. Read these instructions. 2. Keep these instructions. 3. Heed all the warnings. 4. Follow all the instructions. 5. To avoid damaging your hearing, do not listen to loudspeakers at high volumes for long periods of time. Listening to loudspeakers at high volumes can cause damage to the user's ears and may lead to hearing problems (temporary or permanent deafness, buzzing in the ears, tinnitus, hyperacusis). Exposure to excessive volumes (over 85 dB) for more than one hour can cause irreparable damage to your hearing.</p>	<p>6. If a subwoofer is installed in your vehicle, it is important to secure it firmly. We recommend that you attach the enclosure to the floor or chassis of the vehicle for safety. If the subwoofer is not properly secured, it could become a projectile in the event of an accident. This point is even more important if the subwoofer is installed in a hatchback, a station wagon, a utility vehicle or a van.</p>  <p>(CEI 60417-6044)</p>	<p>7. If cables or harnesses are provided, use them the proper way (like mentioned in this user manual) without replacing or modifying them. 8. If a fuse is included in the kit or harness, use only same rating one in case of replacement.</p>

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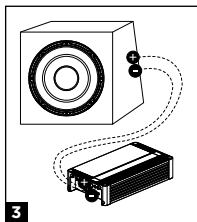
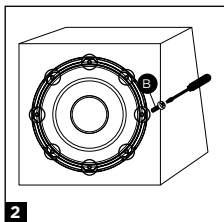
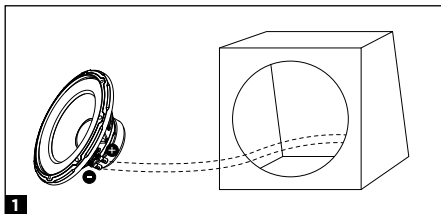
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1. Trous pour fixation dans caisson clos, caisson bass-reflex, dans véhicule : Veillez à utiliser des vis adaptées afin de ne pas endommager votre caisson voire le plancher de votre véhicule ou d'autres de ses composants.

2. Borniers vissables : Connectez votre subwoofer à l'amplificateur à l'aide du bornier se trouvant sur le côté du haut parleur.

3. Haut-Parleur : Veillez à ce que le woofer soit dirigé vers un espace dégagé afin d'obtenir de meilleures performances acoustiques. Assurez-vous qu'aucun objet ne traverse la grille, cela pourrait endommager les haut-parleurs.

1. Holes for attaching to closed cabinet, bass-reflex cabinet in the vehicle: Please use suitable screws to avoid damaging the floor of your vehicle or any of its other components.

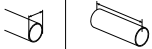
2. Screw terminals : Connect your subwoofer to the amplifier using the terminal found on the rear of the speaker.

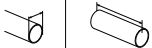
3. Speaker driver: Ensure that the woofer is pointing towards an open space in order to achieve the best acoustic performance. Ensure that there are no objects positioned across the grille, as this could damage the speaker drivers of your subwoofer.

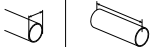
SUBWOOFERS

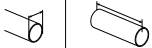
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SUB 10			
V (L)	F-3 (Hz)	Ø	
25	35	7cm	35cm
30	31	8cm	45cm
35	28	8cm	45cm

SUB 12			
V (L)	F-3 (Hz)	Ø	
30	35	7cm	35cm
35	33	8cm	45cm
40	31	8cm	45cm

SUB 10 DUAL			
V (L)	F-3 (Hz)	Ø	
25	35	7cm	35cm
30	32	7cm	35cm
35	31	7cm	35cm

SUB 12 DUAL			
V (L)	F-3 (Hz)	Ø	
30	30	7cm	35cm
35	28	8cm	45cm
40	25	8cm	45cm

SEALED ENCLOSURE / CAISSON CLOS

V (L)	F-3 (Hz)					
	SUB 10	SUB 10 DUAL	SUB 10 SLIM	SUB 12	SUB 12 DUAL	SUB 12 SLIM
10	37	38	38			
15	33	32	34	38	39	37
20	31	29	32	34	35	33
25	30	27	30	31	32	30
30				29	30	29

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	SUB 10	SUB 10 DUAL
Type	Pour caisson clos et bass-reflex	Pour caisson clos et bass-reflex
Diamètre	25 cm	25 cm
Membrane	Polypropylène	Polypropylène
Moteur	Ferrite	Ferrite
Suspension	Butyle	Butyle
Puissance max.	500 W	500 W
Puissance nom.	250 W RMS	250 W RMS
Sensibilité (2,83 V/1 m)	85 dB	85 dB
Impédance	4 Ω	4 Ω + 4 Ω

	SUB 10 SLIM	SUB 12
Type	Pour caisson clos	Pour caisson clos et bass-reflex
Diamètre	25 cm	30 cm
Membrane	Polypropylène	Polypropylène
Moteur	Ferrite	Ferrite
Suspension	Butyle	Butyle
Puissance max.	460 W	600 W
Puissance nom.	230 W RMS	300 W RMS
Sensibilité (2,83 V/1 m)	85 dB	88 dB
Impédance	4 Ω	4 Ω

	SUB 12 DUAL	SUB 12 SLIM
Type	Pour caisson clos et bass-reflex	Pour caisson clos
Diamètre	30 cm	30 cm
Membrane	Polypropylène	Polypropylène
Moteur	Ferrite	Ferrite
Suspension	Butyle	Butyle
Puissance max.	600 W	560 W
Puissance nom.	300 W RMS	280 W RMS
Sensibilité (2,83 V/1 m)	88 dB	87 dB
Impédance	4 Ω + 4 Ω	4 Ω

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	SUB 10	SUB 10 DUAL
Type	For sealed and bass-reflex enclosure	For sealed and bass-reflex enclosure
Diameter	25cm	25cm
Cone	Polypropylene	Polypropylene
Magnet	Ferrite	Ferrite
Surround	Butyl	Butyl
Max. power	500W	500W
Nominal power	250W RMS	250W RMS
Sensitivity (2.83V/1m)	85dB	85dB
Impedance	4 Ω	4 Ω + 4 Ω

	SUB 10 SLIM	SUB 12
Type	For sealed enclosure	For sealed and bass-reflex enclosure
Diameter	25cm	30cm
Cone	Polypropylene	Polypropylene
Magnet	Ferrite	Ferrite
Surround	Butyl	Butyl
Max. power	460W	600W
Nominal power	230W RMS	300W RMS
Sensitivity (2.83V/1m)	85dB	88dB
Impedance	4 Ω	4 Ω

	SUB 12 DUAL	SUB 12 SLIM
Type	For sealed and bass-reflex enclosure	For sealed enclosure
Diameter	30cm	30cm
Cone	Polypropylene	Polypropylene
Magnet	Ferrite	Ferrite
Surround	Butyl	Butyl
Max. power	600W	560W
Nominal power	300W RMS	280W RMS
Sensitivity (2.83V/1m)	88dB	87dB
Impedance	4 Ω + 4 Ω	4 Ω

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



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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.

Important recommendations

First of all, check the space available for fitting the speaker drivers (refer to the plans on the packaging) then proceed with the cutting required. If mounted in the factory location, check that there is sufficient space between the speaker driver and the protective grille.

- Clear the speaker drivers of any metal shavings and dust particles.
- Clean carefully before mounting the speaker drivers.

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.

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Break-in period

Sud 10 and Sub 12 drive units use the very latest components, in the classic format. To ensure such complex mechanical elements work in harmony with each other, they must be allowed to function correctly in this environment. Changes in temperature and humidity are regarded as very hostile. In order to get the best of your subwoofer, a running-in period must be respected to ensure they are ready for this. We recommend that, once the system is ready for listening, the drive units should be run-in with medium volume setting, with music that has the full bandwidth of frequencies (sub-bass through treble). This running-in period should last for a few weeks, to gain the full potential. After which the excellent performance of your Subwoofer can be fully appreciated.

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Élimination correcte de ce produit.

Ce marquage indique que ce produit ne doit pas être éliminé avec les autres déchets ménagers au sein de l'UE. Par mesure de prévention pour l'environnement et pour la santé humaine, veuillez le recycler de manière responsable, pour favoriser la réutilisation des ressources matérielles. Pour retourner votre appareil usé, veuillez utiliser les systèmes de retour et de collecte ou contactez le détaillant chez lequel le produit a été acheté. Celui-ci pourra procéder au recyclage du produit en toute sécurité.



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.



Ordnungsgemäße Entsorgung des Produkts.

Diese Kennzeichnung weist darauf hin, dass dieses Produkt innerhalb der EU nicht mit anderen Haushaltsabfällen entsorgt werden darf. Als Präventivmaßnahme für die Umwelt und die menschliche Gesundheit muss auf eine verantwortungsbewusste Wiederverwertung zur Förderung der Wiederverwendung von materiellen Ressourcen geachtet werden. Für die Rückgabe von Gebrauchtgeräten verwenden Sie bitte zur Verfügung stehende Rückgabe- und Recyclingsysteme oder wenden Sie sich an den Händler, bei dem Sie das Produkt erworben haben. Letzterer kann das Gerät sicher dem Wertstoffkreislauf zuführen.



Eliminación correcta de este producto.

Este símbolo indica que este producto no debe eliminarse con el resto de residuos domésticos dentro de la UE. Con el objetivo de proteger el medioambiente y la salud pública, recicle de forma responsable para favorecer la reutilización de los recursos materiales. Para devolver su aparato usado, utilice los sistemas de devolución y recogida o póngase en contacto con el vendedor del producto. Este podrá proceder al reciclaje del producto de forma totalmente segura.

Pour validation de la garantie
Focal-JMlab, il est maintenant possible
d'enregistrer son produit en ligne :
www.focal.com/garantie



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



Registrieren Sie Ihr Produkt online, um Ihre Focal-JMlab-Garantie
zu bestätigen:
www.focal.com/warranty

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Voor garantie validatie Focal -JMlab, Het is nu mogelijk om het
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**Для подтверждения гарантии Focal-JMlab, еперь продукт можно
зарегистрировать на сайте
www.focal.com/warranty**

请于10天内寄回随附的产品质保书，使Focal-JMlab质保生效。您现在可
以在线注册产品：
www.focal.com/warranty

Focal-JMlab의 개런티 유효화를 위해, 이제 웹사이트에서 제품의 온라인
저장 등록도 가능합니다 :
www.focal.com/warranty

Focal-JMlabの保証を有効にするには、現在、製品のオンライン登録が可
能になりました：
www.focal.com/warranty

الرجاء تفعيل ضمان Focal-JMlab الخاص بك،
يمكنك الآن تسجيل منتجك عبر الإنترنت على موقع:
www.focal.com/warranty



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