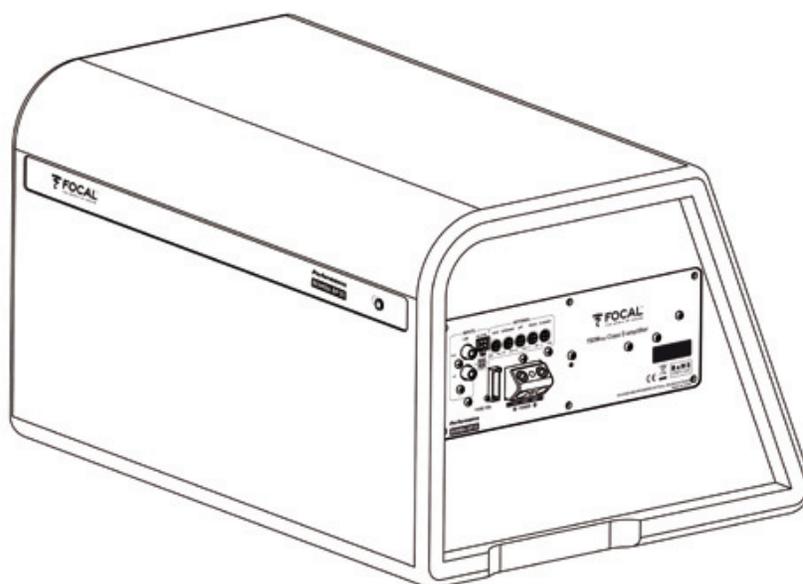


PERFORMANCE ACCESS BOMBA BP20

User manual / Manuel d'utilisation



English page 3
Français page 8

PERFORMANCE ACCESS BOMBA BP20

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.

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

Warning

The performance of the Focal Bomba BP20 allows high sound pressure levels to be generated. We remind you that sustained listening beyond 110dB SPL can permanently and irreversibly damage your hearing. We recommend that you adjust the level of your equipment correspondingly.

Precautions

For the subwoofer to perform at its best, we recommend to use it in a location where temperature doesn’t go below 5°C.

- The location must also be dry and offer adequate ventilation.
- The supply voltage requirement is 12VDC (13.8VDC) with the negative connection grounded. Please make sure that the characteristics of your vehicle correspond with this requirement before connecting the equipment.
- For safe driving, we recommend that you operate your sound equipment at a listening level that does not conceal traffic noise.

Mounting kit included:

- 2 x straps
- 1 x fuse (15A)

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Mounting

A Focal power is available to your dealer store.

- Unplug the "+" from the battery.
- Make sure you follow the car manufacturer instructions (airbag, alarm system, computer, immobiliser ...).
- Always use battery lead connections.

Cable routing

The 12V supply cables should be passed down one side of the vehicle and the signal cables down the other. These cables must be suitably protected to avoid any damage to the insulation, especially when feeding the cable through from the engine compartment to the passenger cabin.

Installation

We have taken time to design a product that will work exceptionally well. To add to this we have included a fixing kit to ensure the subwoofer remains securely mounted. Please follow the below mentioned steps to ensure the subwoofer is mounted correctly.

- Rear seats must be positioned in their normal fixed position.
- Decide the best location possible that suits your automobile and space available. We recommend the best location for optimum sound quality and most secure is to position behind the rear seats, in the trunk of the automobile.

Power supply ⑦

(+) The 12V cable (BAT) must be connected to the battery with a cable of appropriate quality and size, 8mm² (7AWG). Protect the installation with a 15A fuse on this cable fitted less than 40cm (16") away from the battery.

(-) The ground wire (GND) must be connected to the chassis of your vehicle with a perfect electrical connection (remove some paint to reveal bare metal if necessary) and with a cable of the same specification as used for the + feed.

Connect the remote cable (REM) to the electrical aerial output or to the remote output of your radio.

Low-level input (RCA) ①

Connect to the RCA output of the radio.

High-level input ②

Connect to the speaker outputs of the head unit.

Never connect the RCA and the high-level inputs together.

Adjusting the gain ③

The volume setting allows you to match the level of the Bomba BP20 with the level of the front system.

Setting:

- Turn the gain on the Bomba BP20 down completely.
- Turn the radio up to a normal listening level.
- Turn the gain ③ up on the Bomba BP20 until you get the required balance.

Phase inverter ⑤

It allows you to phase the subwoofer (generally advised) or unphase it.

The right setting is determined by listening and finding the one (matching with the front system) that provides the most bass.

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Adjustable frequencies

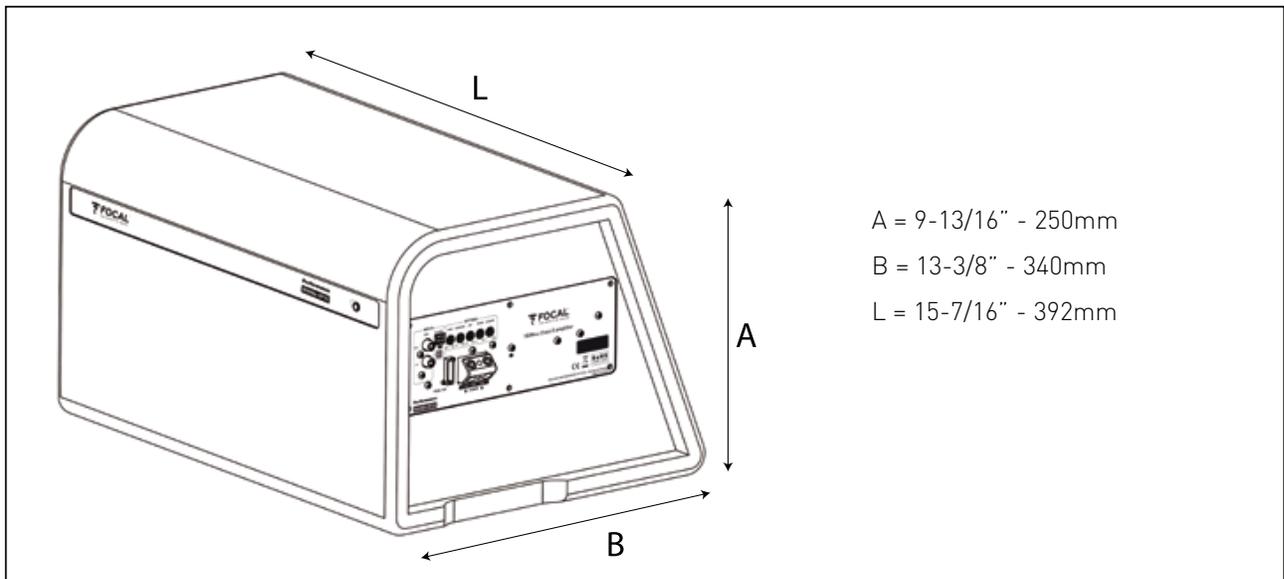
An electronic crossover removes medium and high frequencies beyond a point set by the user. The ideal is to extend the bass frequencies in an even and continuous manner from where the front system rolls off. In general, a cut-off frequency located between 80 and 100Hz should be suitable for most systems.

It is possible to set the cut-off frequency anywhere between 45 and 120Hz.

This adjustment should be made in reference to the listening position and with your preferred type of music.

For a more precise adjustment, your retailer may use an analyzer (RTA).

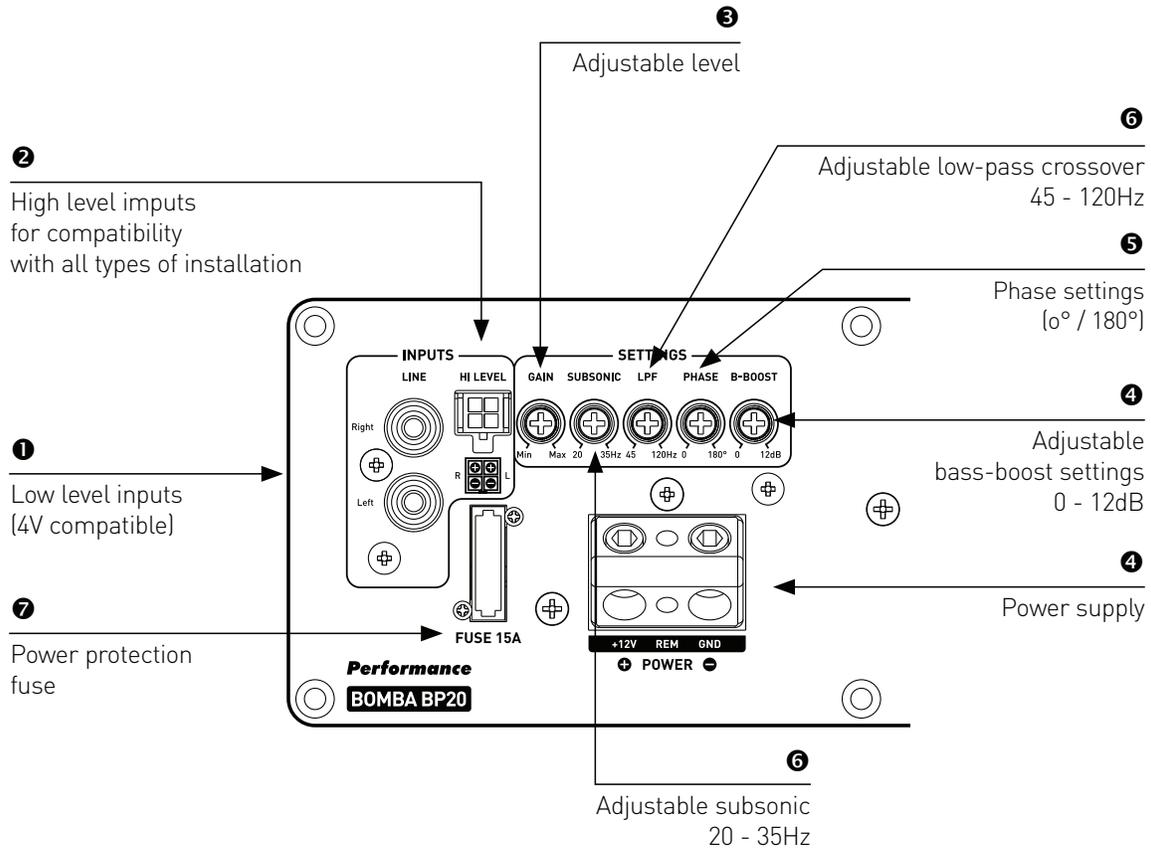
Dimensions



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Amplifier setting and connections



Guide

Issue	Cause	Solution
Can't switch on the Bomba BP20	No +12V on the supply Ground not properly connected Fuse broken	Check connections to battery Check connection Change fuse with a 15A one
The Bomba BP20 is on, but no amplification	No signal No remote Level control ineffective	Check signal cable Check power on the remote Turn up the volume on the source
Output distorted	Source level too high Gain of the amplifier too high	Turn down the source level Turn down the gain of the amplifier
Fuses blown	Output levels too high	Turn the volume down

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Specifications

	Bomba BP20
Subwoofer	20cm (8")
Height	249.6mm (9-13/16")
Base width	323.6mm (12-3/4")
Lenght	439.6mm (17-5/16")
Built-in amplifier	150Wrms / 300W max.
Frequency response	20Hz-125Hz

Conditions of guarantee

All Focal products 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.



Your Focal-JMLab product was developed and manufactured with high-quality materials and components which can be recycled and/or re-used. This symbol indicates that electrical and electronic equipment must be disposed of separately from normal garbage at the end of its operational lifetime. Please dispose of this product by bringing it to your local collection point or recycling centre for such equipment. This will help to protect the environment in which we all live.



Garantie France

Pour validation de la garantie Focal, nous renvoyer cette page dans les 10 jours, à l'adresse suivante :

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

Il est maintenant possible d'enregistrer son produit en ligne : www.focal.com/garantie

Vous :

Votre nom : _____ Âge : _____ Profession : _____

Votre adresse complète : _____

Votre adresse e-mail : _____

Vos centres d'intérêts :

Chez vous, possédez-vous des enceintes haute-fidélité ? - Oui - Non

Si oui, précisez la marque : _____

Lisez-vous la presse écrite ? - Oui - Non

Si oui, quel(s) titre(s) : _____

Votre équipement audio/vidéo (marques et modèles) avant l'acquisition du produit Focal :

Lecteur CD /tuner : _____ Lecteur multimédia : _____

Système de navigation : _____ Amplificateur : _____

Kit haut-parleur : _____ Caisson de grave / subwoofer : _____

Autres éléments : _____

Votre choix pour l'achat de ce modèle Focal s'est fait en fonction de :

- | | |
|---|--|
| <input type="checkbox"/> - Conseil du revendeur | <input type="checkbox"/> - Conseil d'un ami, relation |
| <input type="checkbox"/> - Visite d'un salon, d'une exposition | <input type="checkbox"/> - Rapport qualité / prix |
| <input type="checkbox"/> - Qualité sonore, écoute en auditorium | <input type="checkbox"/> - Possède déjà des produits Focal |
| <input type="checkbox"/> - Fiabilité / qualité de fabrication | <input type="checkbox"/> - Catalogues |
| <input type="checkbox"/> - Esthétique / finition | <input type="checkbox"/> - Matériel français |
| <input type="checkbox"/> - Article de presse écrite (si oui, précisez le titre du magazine) : _____ | <input type="checkbox"/> - Autre : _____ |

Votre Produit Focal :

Modèle : _____ N° de série : _____

Nom du revendeur : _____ Ville : _____

Date de l'achat : _____ Prix de l'achat : _____

Avez-vous confié l'installation du produit à votre revendeur ? - Oui - Non

Si non, pourquoi : _____ Modèle de voiture : _____

Ces informations sont nécessaires à notre société pour traiter votre demande. Elles sont enregistrées dans notre fichier de clients et peuvent donner lieu à l'exercice du droit d'accès et de rectification auprès de notre service clientèle (04 77 43 57 00).

Si vous ne souhaitez pas que vos données soient utilisées par nos partenaires à des fins de prospection, veuillez cocher la case ci-contre.

Si vous ne souhaitez pas recevoir des propositions commerciales de nos partenaires par voie électronique, merci de cocher la case ci-contre.

Vous êtes susceptibles de recevoir des offres commerciales de notre société pour des produits analogues à ceux que vous avez achetés. Si vous ne le souhaitez pas, cochez la case ci-contre. Nous garantissons la confidentialité de ces informations.



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

Now it's possible to register on line : www.focal.com/warranty

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:

- Dealer's advice

- Friend's or family's advice

- Visiting an exhibition/a show

- Quality-price ratio

- Sound quality/listening room

- Already own Focal products

- Reliability/manufacturing quality

- Catalogues

- Design/Finish

- French product

- Article in the press (if yes, specify the title of the magazine) _____

- 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? _____ Car model: _____

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.



CE

PERFORMANCE BOMBA BP20

Active subwoofer enclosure

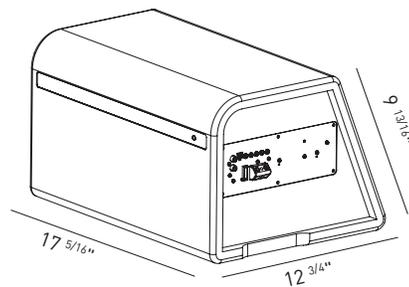
- Reinforced MDF structure
Compact shape and high rigidity

- Class D amplifier
High power handling



WHAT MAKES THE DIFFERENCE

- Class D 300W power
- Bandpass enclosure technology
- High and low level input
- Compact shape (easy to install in small trunk volume)



TECHNICAL CHARACTERISTICS

Subwoofer diameter: 8" (200mm)
Size (LxHxW): 17 5/16" x 9 13/16" x 12 3/4"
(439,6mm x 249,6mm x 323,6mm)
Weight: 24lbs (11Kg)

Max. power: 300W
Nom. power: 150W RMS
Frequency response: 20Hz – 125Hz

Subsonic adjustment: 20Hz – 35Hz
Low pass adjustment: 45Hz – 120Hz
Low boss adjustment: 0 – 12dB/oct

