



# FOCAL IS MBZ 100 2-Way Component Speaker Owner's Manual

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**FOCAL IS MBZ 100 2-Way Component Speaker**

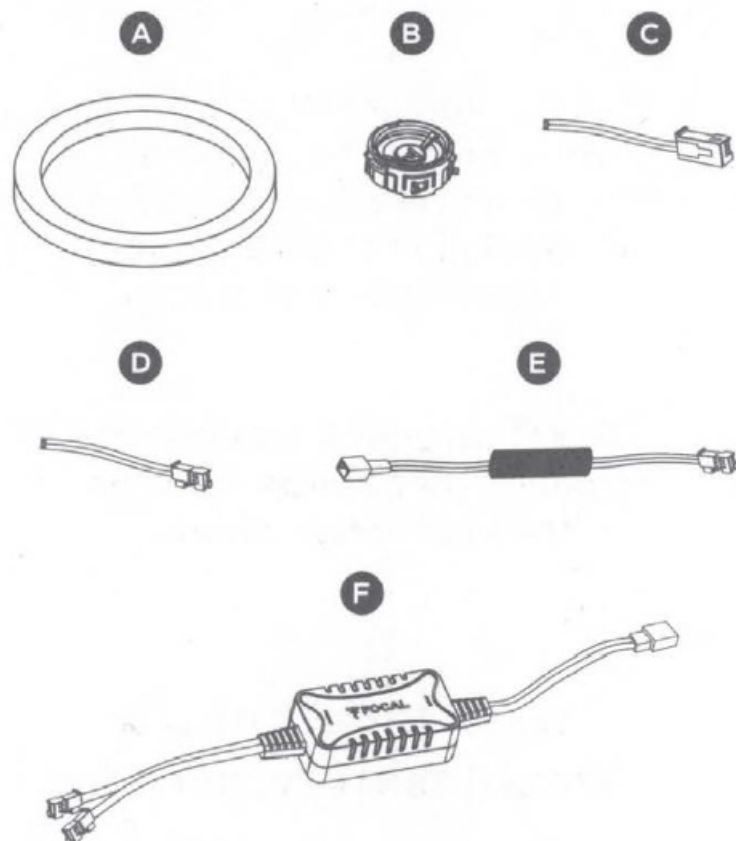


## IMPORTANT SAFETY INSTRUCTIONS

&	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.	
1. Read these instructions. 2.Keep these instructions. Heed all the warnings. 4.Follow all the instructions. To avoid damaging	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	If cables or harnesses are provided, use them the proper way (like mentioned in this user manual) without replacing or modifying them. If a fuse is included
your hearing, do not listen to loudspeakers at high volumes for long periods of	for safety. If the subwoofer is not properly secured. it could become a projectile	in the kit or harness, use only same rating one in case of replacement.
time. Listening to loudspeakers at high	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.	
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 .		
	•>)	
	(CEI <b>60417-6044</b> )	

## Accessories



**IS MBZ 100 :**

**B** (x2) / **E** (x2) / **F** (x2)

**IC MBZ 100 :**

**E** (x2)

**ICC MBZ 100 :**

**A** (x1) / **D** (x1)

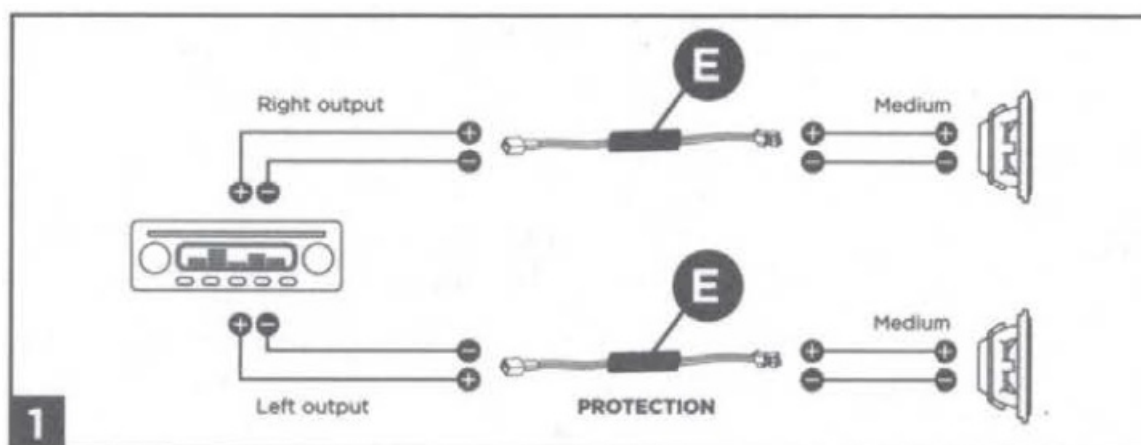
**ICR MBZ 100 :**

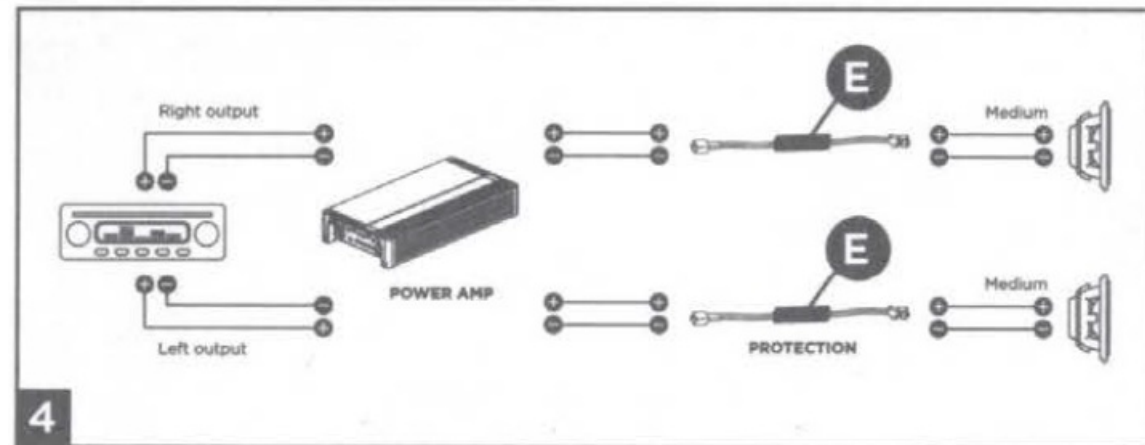
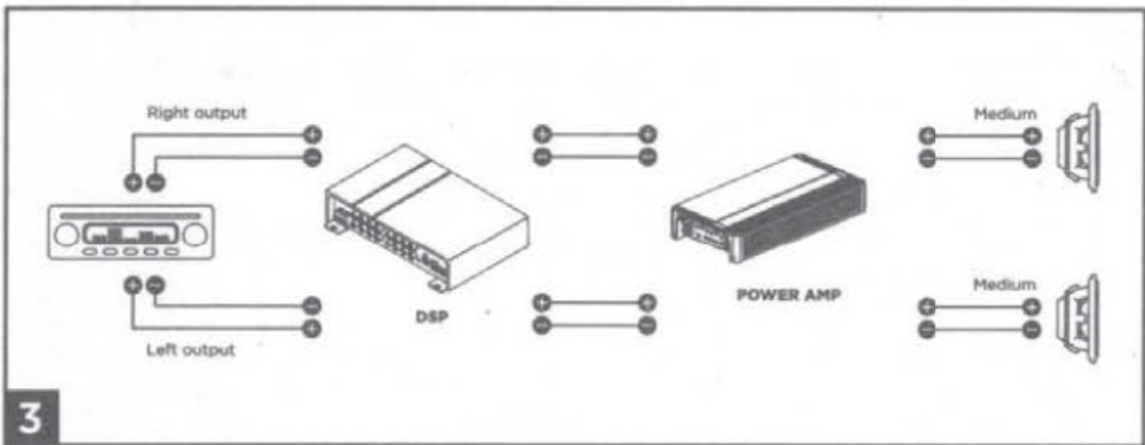
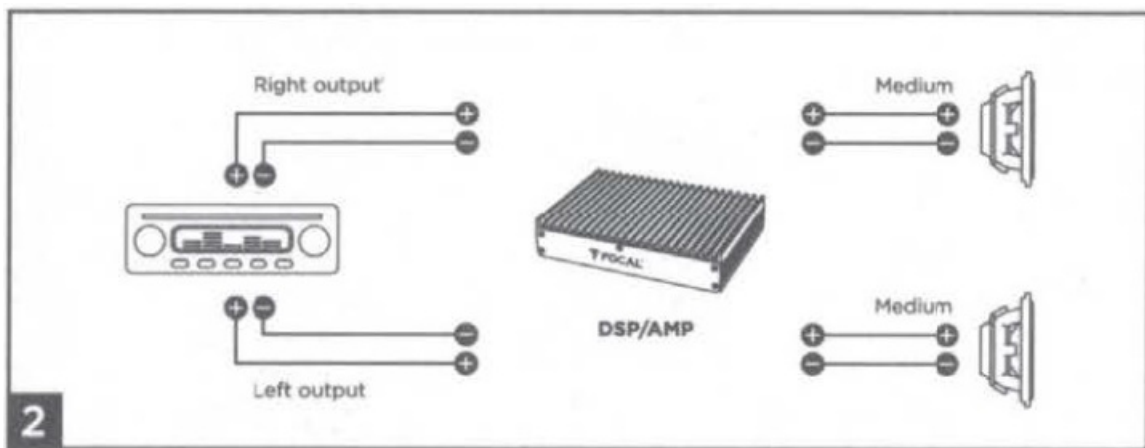
**D** (x2)

**ISUB MBZ 2 :**

**C** (x2)

**Use cases of woofer protection**





## Specifications

	<b>IS MBZ 100</b>	<b>IC MBZ100</b>
Type	2-way component kit	2-way coaxial kit
Maximum power	100W	sow
Nominal power	SOW RMS	40W RMS
SensltiVity (2,83V/1m)	87dB	88dB
Frequency response	150Hz-20kHz	150Hz-20kHz
Impedance	40	40
Midrange	4" (100mm)	4"(100mm)
Tweeter	Aluminium inverted dome tweeter	
Cone	Flax	Flax
Voice-coil diameter	1" (25mm)	1" (25mm)
Voice-coil height	5/16" (8mm)	5/16" (8mm)
Magnet	Neodymium	Neodymium
Surround	Butyl	Butyl

Type	2-way surround coaxial kit	Central speaker
Maximum power	80W	50Wx2
Nominal power	<b>40W</b> RMS	25W RMS x2
Sensitivity (2,83V/1m)	88dB	82.7dB
Frequency response	150Hz-20kHz	150Hz-20kHz
Impedance	<b>40</b>	<b>40</b>
Midrange	4" (100mm)	4" (100mm)
Cone	Flax	Flax
Voice-coil diameter	1" (25mm)	1" (25mm)
Voice-coil height	5/16" (8mm)	5/16" (8mm)
Magnet	Neodymium	Neodymium
Surround	Butyl	Butyl
Crossover	Integrated	

## ISUB MBZ 2

- Type: Subwoofers kit
- Maximum power: 150W x 2
- Nominal power: 75W RMS x 2
- Sensitivity (2,83V/1m): 93.3dB
- Impedance: 2Ω
- Subwoofer: 8" (200mm)
- Cone: Polyglass
- Voice-coil diameter: 1 3/8" (35mm)
- Voice-coil height: 1/2" (13mm)
- Magnet: Neodymium
- Surround: Butyl

Thank you for choosing Focal kits IS MBZ 100, IC MBZ 100, ICR MBZ 100, ICC MBZ 100 & ISUB MBZ 2, and for sharing our passion for sound and for music. Designed using acoustic technologies, 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 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.

## **Important recommendations**

Before attempting any installation, check first how much space is available to fit the speakers into the vehicle (cf plans on the packaging), then proceed with the cutting. In the case of assembly in original location, check that there is enough space between the speaker and the protection grille.

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

## **Running period**

IS MBZ 100, IC MBZ mo, ICR MBZ 100, ICC MBZ 100 & ISUB MBZ 2, drive units use the very latest components. 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 IS MBZ 100, IC MBZ 100, ICR MBZ 100, ICC MBZ 100 & ISUB MBZ 2 speakers, 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 IS MBZ 100, IC: MBZ 100, ICR MBZ 100, ICC MBZ 100 & I SUB MBZ 2 kits can be fully appreciated.

## **Installation**

1. Identify the location of your woofers, but also of your tweeters in the case of a 2-way component kit.
2. Carefully disconnect and disassemble the original speakers.
3. Mount the Focal speaker driver in the original slots of your vehicle and connect them.

Installation details may vary from model to model, so we recommend that you watch our installation tutorials online.

In order to improve the performance of your installation and to eliminate unwanted noise, we recommend the use of the Focal B.A.M.

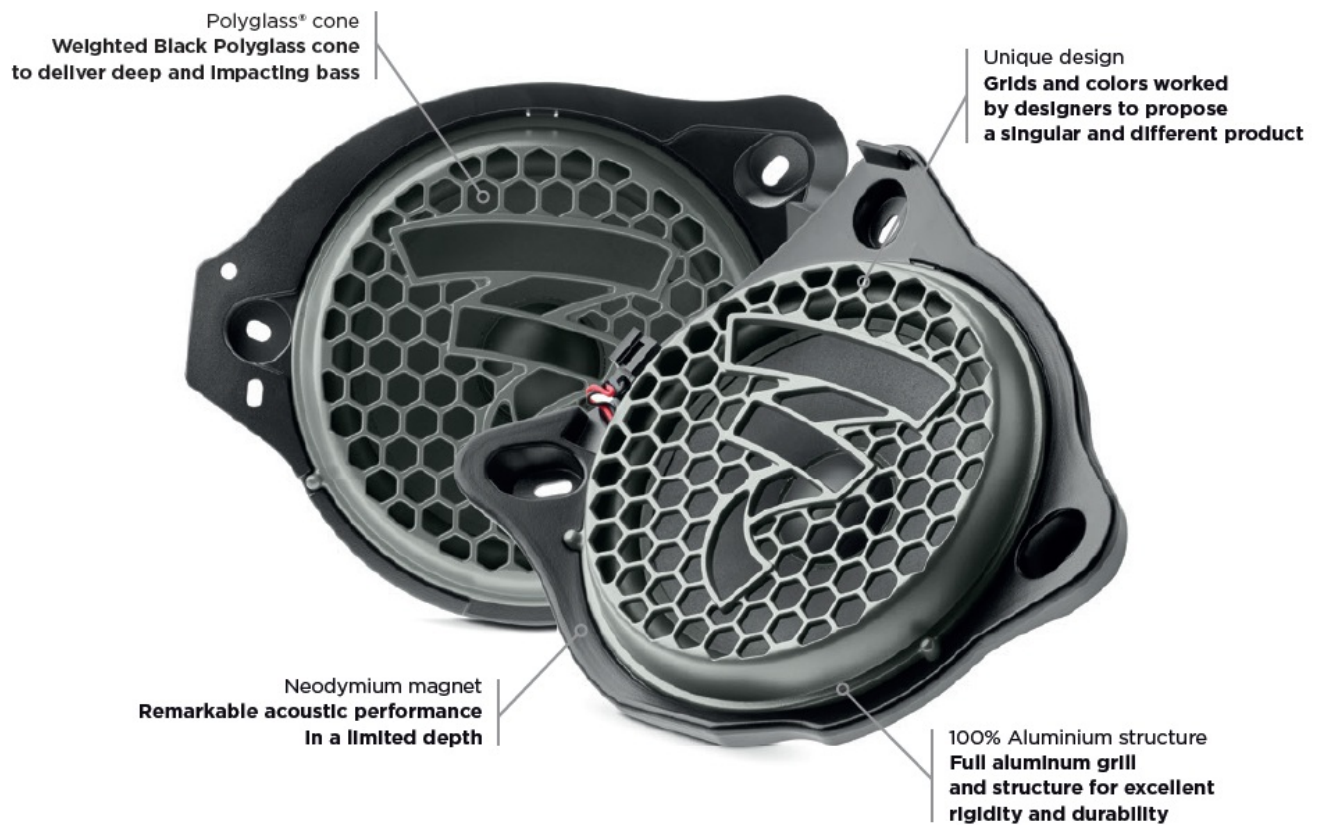
Correct elimination of this product.

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.

## **Product Data Sheet**

The ISUB MBZ 2 high-fidelity subwoofers kit for Mercedes-Benz is part of the reference solution for drivers who want to easily and discreetly integrate a complete high-end audio system into their vehicle. The stylishly designed left and right subwoofers are perfectly integrated into the vehicle floor and considerably increase the level and quality of bass in the vehicle's interior. They have been developed to make optimum use of the space available in the original locations, thanks to exclusive Focal technologies.





## Key Points

- Developed in France by Focal
- Simple and quick installation
- Invisible integration in the vehicle's interior
- High fidelity sound and high power capability
- Dedicated left and right speakers
- Plug & Play OEM connector dedicated to the vehicle
- Installation video tutorial (available)

Type	Subwoofers kit
Subwoofer	8" (200mm)
Voice coil diameter	13/8" (35mm)
Voice coil height	1/2" (13mm)
Magnet	Neodymium
Cone	Polyglass
Surround	Butyl
Impedance	2Ω
Max. power	150W x 2
Nom. power	75W RMS
Sensitivity (2.83V/1m)	93.3dB

**Subwoofer**

**SPECIFICATIONS**

<b>Nominal power</b>	75W by coil	
<b>Maximum power</b>	150W by coil	
<b>Sensitivity</b>	93.3dB	
<b>Nom. impedance</b>	2 $\Omega$	
<b>Cone</b>	Polyglass	
<b>Surround</b>	Butyl	
<b>DC resistance</b>	2 $\Omega$	
<b>VC diameter</b>	35mm	13/8"
<b>Former</b>	Kapton	
<b>Layers</b>	2	
<b>Wire</b>	Copper	
<b>Net weight</b>	1410g	3.11 lbs
<b>Frequency response</b>	35-200Hz	

## MECHANICAL DRAWING

Dimensions in mm

## PARAMETERS

<b>Rdc</b>	2.06 $\Omega$
<b>Fs</b>	52Hz
<b>Mms</b>	39.32g
<b>Cms</b>	0.235mm/N
<b>Vas</b>	15.2 l
<b>Qts</b>	0.534
<b>Qes</b>	0.639
<b>Qms</b>	3.25
<b>Bxl</b>	6.46N/A
<b>Sd</b>	213.82cm <sup>2</sup>
<b>SPL</b>	87.3dB
<b>Xmax</b>	7.5mm

Check Online Updated Compatibility list and Installation manual.

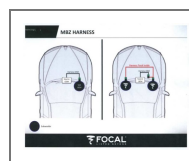


[www.focal-inside.com](http://www.focal-inside.com)

To set up your Focal Inside product, please watch online the installation video.

[www.focal.com/focal-inside/videos/](http://www.focal.com/focal-inside/videos/)

## Documents / Resources



[FOCAL IS MBZ 100 2-Way Component Speaker](#) [pdf] Owner's Manual

IS MBZ 100, IC MBZ 100, 2-Way Component Speaker, Component Speaker, 2-Way Speaker, S peaker, IS MBZ 100

## References

- ₹ [Focal](#)
- ₹ [USA | Focal](#)
- ₹ [USA | Focal](#)
- ₹ [Focal](#)

Manuals+.