

Eton UG MB SF 2.1: Front System and Center Speaker for Mercedes Sprinter

Sound Upgrade for Sprinter



► Eton now has a wide range of vehicle-specific speakers under the Audio Upgrade sub-brand that also includes those for diverse motorhomes. The latest upgrade system to be added is the UG MB SF2.1 for the Mercedes Sprinter.

Our UG MB SF2.1 is a 2.1 front system for the ever more popular Sprinter and is naturally mainly aimed at motorhomes. Here 2.1 indicates a stereo system with center speaker, so the set includes a pair of woofers for installation in the doors, a pair of tweeters for the dash and a center speaker. The latter is equipped with a dual voice coil as always with Mercedes, only one of which is intended for music playback. The second tap is needed for the emergency eCall system, which must work in-

dependently of the hi-fi system. A great feature of the SF2.1 is that the tweeters are not supplied as small housings for sticking in the original slots, but come with trapezium shaped mounting panels, which of course fit exactly in the openings in the Sprinter dashboard. This ensures a perfect appearance and Eton has also done the work of setting the tweeters at an angle in the front panels that is acoustically accurate to achieve the best possible sound. There is even a tool for removal of the pan-

The woofer is somewhat smaller than a DIN 6.5 in slot and is provided with a tailor-made plastic basket

els – a great service. It would therefore be a breeze to exchange tweeters; the same also goes for the crossovers that are integrated into the connector cable along with plug-and-play vehicle connectors. It should also be possible to exchange the center speaker without tools as it is fixed in its mounting with two ball heads. Only the door woofers have to be screwed on, though this poses no problem whatsoever thanks to baskets that have been specially made for the Sprinter. The woofer and center

Door woofers and center speaker work with a ferrite drive and are equipped with Mercedes connectors

speaker baskets are of plastic and come already fitted with the necessary seals. All three speakers operate with 25 mm voice coils, those for the center and woofers being powered by ferrite drives.

Measurements and sound

The UG MB SF2.1 proves over the test course that the Eton development department has done a great job. The door woofer works almost perfectly even without a crossover, thanks to the paper cone. The tweeter, set relatively quietly to suit installation in the corner formed by the side window, windscreen and dashboard, shows a wide operating range up to 30 kHz. The center speaker does a good job covering the frequency range from 100 to 10,000 Hz so that it is capable of reproducing the vocal range and the sound in the centre space. Not only are the amplitude responses of the UG MB SF2.1 gratifying, but the system itself is impressive in keeping the distortion figures comfortably low, for which it also scores top marks. That has just got to sound good, and indeed it does. Right off the bat the UG MB SF2.1 pleases with a very nicely balanced sound, with no frequency range being over- or under-emphasized. The mid-range with vocals and instruments succeeds very well so that the music sounds realistic. The correct amount of fundamental tone



BEST PRODUCT
Mercedes
CAR & HIFI 2/2023

Eton UG MB SF 2.1

Price	about 300 Euro
Distributor	ACR, CH-5330 Zurzach
Hotline	info@eton-caraudio.eu
Internet	k k k "Yrcb! U! Xj"V&a

Summary

Sound quality	55 %	1,1	■■■■■
Bass	11 %	1,5	■■■■■
Neutrality	11 %	1,0	■■■■■
Transparency	11 %	1,0	■■■■■
Soundstaging	11 %	1,0	■■■■■
Dynamics	11 %	1,0	■■■■■
Lab	30 %	1,2	■■■■■
Frequency response	10 %	1,0	■■■■■
A U . volume	10 %	1,5	■■■■■
Distortion	10 %	1,0	■■■■■
Practice	15 %	1,2	■■■■■
Installation	5 %	1,0	■■■■■
Crossover	5 %	1,5	■■■■■
Workmanship	5 %	1,0	■■■■■

Technical Data

Diameter TT	165 mm
Mounting depth TT	66 mm
Diameter center	80 mm
Mounting depth center	28 mm
Tweeter dome diameter	25 mm
Tweeter housing diameter	-
Slope	-/6 dB
Tweeter protection	-
Tweeter volume adjustment	-
Fits in here *	Sprinter
other	tweeter mounting panel
Nominal impedance TT	3 ohms
DC resistance Rdc	2,48 ohms
Coil inductivity Le	0,28 mH
Coil diameter	25 mm
Cone surface Sd	139 cm ²
Resonance frequency Fs	65 Hz
Mechanical quality Qms	6,44
Electrical quality Qes	0,77
Total quality Qts	0,69
Equivalent volume Vas	11,4 l
Moving mass Mms	14,1 g
Rms	0,90 kg/s
Cms	0,42 mm/N
B*I	4,31 Tm
Pressure 2 V, 1 m	89 dB
Power handling	20 - 80 W

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Mercedes **1,1**

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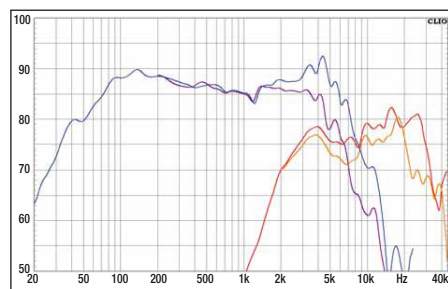
Price/performance: very good

"Plug and play set with a great sound."

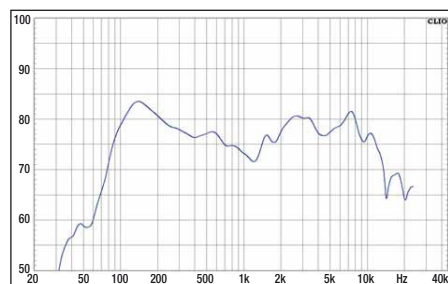
produces a pleasing warmth, without fattening the sound. The tweeter does a great job with sufficient detail resolution, and there is no unpleasant hiss mixed in: you wouldn't expect otherwise from Eton. Altogether, the system makes a first-rate balanced impression to produce a very good sound with any style of music.

Summary

With the UG MB SF2.1 Eton offers a very well made upgrade system with nice practical solutions like the tweeter panel that are pleasing to see. On top of that the set runs faultlessly and sounds appealing – recommended!



The 16 cm woofer for the doors runs almost like a straight line below the corner. The tweeter operates over of a very wide band to well over the 20 kHz mark



The center speaker covers the frequency range from 100 Hz to 10 kHz, which is all you need



The tweeter sits at an angle in its face panel, the crossover being already fitted with vehicle connectors