

**Eton UG FIAT SUB 6A: Active subwoofer for current Fiat Ducato & Co.**



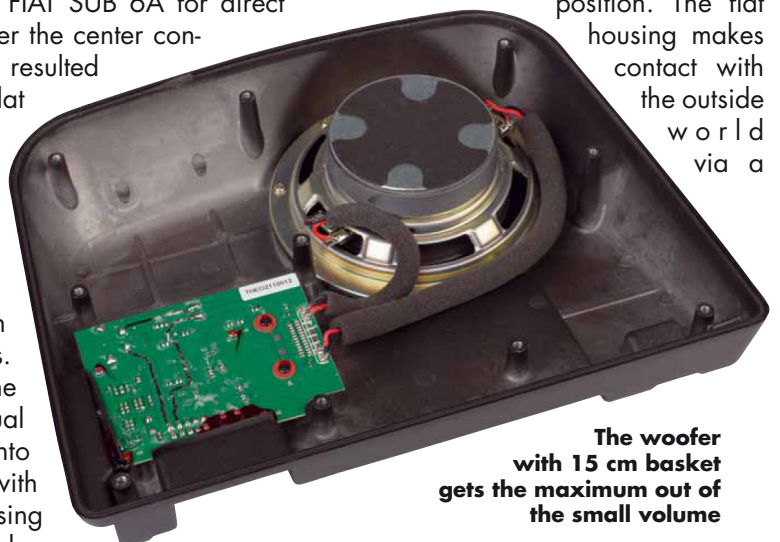
# Active subwoofer for motorhome

► For the Fiat Ducato there are a number of upgrade options for better door speakers, but it is rare to see practical solutions for subwoofers. However, Eton now has a truly well conceived subwoofer in its product range with the UG FIAT SUB 6A.

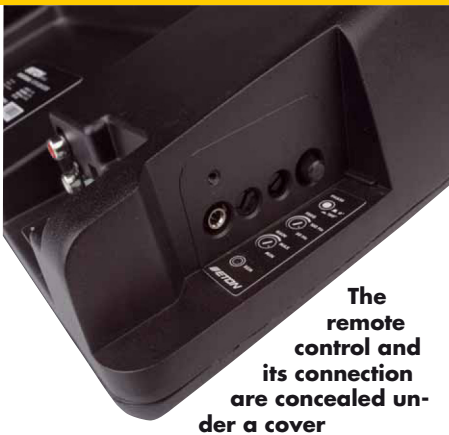
For many campers bass seems more an idea for the home living room rather than the motorhome. But if you don't want to be without good bass during a journey then it gets more difficult. A subwoofer belongs at the front in the cab, but it must not roll about in the footwell, and should if possible also not take up any space. It is also annoying if you have to remove the subwoofer when something goes wrong, namely if you have to get to motorhome technical equipment. Of note here is the second battery, leads and control units, which good practice dictates should remain fully accessible. Eton had been thinking about this issue for some time and developed a mount for the underseat subwoofer USB 6 that cleverly places the woofer under the dashboard of the Ducato. However this was only for older vehicles. The new UG FIAT SUB 6A on the other hand fits in later Ducatos, such as the Ducato III (Series 7 and 8) as well as the sister models Peugeot

Boxer 2, Citroen Jumper 2 and in the Dodge Ram ProMaster. The prerequisite is the center console with drinks holder, as that is where the Eton is attached. Instead of offering an adapter housing for an underseat woofer, Eton has now gone a step further and developed the UG FIAT SUB 6A for direct mounting under the center console. This has resulted in an ultra-flat die-cast aluminum housing, that at the thickest spot (the speaker) is no more than 8 centimeters. Very well done is also the visual integration into the vehicle with a tasty housing form, which does

not make the sub look like a retrofit at all. Equally nice is the solution for attaching or mounting the woofer. This turns out to be extremely simple. Sturdy mounting brackets are included that are screwed to the back of the existing console. The subwoofer housing is pushed into the bracket. Only a single screw is needed to fix the sub. A moss rubber seal ensures there is no rattling when driving, and the wiring is very simple due to the forward mounting position. The flat housing makes contact with the outside world via a



**The woofer with 15 cm basket gets the maximum out of the small volume**



The remote control and its connection are concealed under a cover

Molex connector. This also carries the power supply, which for such a small active subwoofer can also be lean. A cover conceals the low-pass and gain controls, together with the phase switch. The cable remote control shipped with the kit is also connected here. Opening up the housing reveals the two components of the Eton, which turn out to be relatively small. There is a 6-in woofer, which nevertheless at 130 millimeters has the cone diameter of a normal 165 mm speaker. The fellow is fairly sturdily built, at any rate nothing has been spared on the driver. The flat cone is made of aluminum and is as hard as a board. The two terminals of the 2x2 ohm dual voice coil connect it to the power amp, which thus has an easy job with its two-channel amplifier chip.

### Measurements and Sound

The amplifier pumps 2 x 45 watts into the small woofer: that is really a lot for a compact active subwoofer. A sub-sonic filter is specified for the amplifier to keep frequencies that are too low away from the woofer coil. The housing encloses a volume of five liters and is therefore very compact. All the more



The mounting position under the center console with the drinks holder

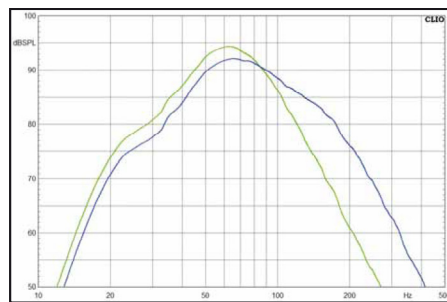


In the foreground you can see the cutouts for the mounting brackets

surprising is the acoustic performance of the UG FIAT SUB 6A. We had not expected it to play so low; with a cut-off frequency of 50 Hz, how the little woofer gets bass out of the small housing is awesome. This is also evident in the listening test where the woofer profits from being placed centrally and, above all, near to the listeners. Playing rock and pop the Eton is a lot of fun with a very good kick, and delivers enough pressure for everyday use. In addition to punchy bass kicks it also plays so low that it adds a previously missing bass carpet of sound to the listening experience. That is more than we had expected: naturally no heavy deep bass to make the rear-view mirror vibrate, but even so lively bass that makes for a lot of good vibes.

### Summary

The Eton UG FIAT SUB 6A is exactly what Ducato 8 motohomers want: a bass that integrates invisibly, does not get in the way, and delivers a dose of good quality deep bass that was missing before.



At just under 50 Hz the lower cut-off frequency of the UG FIAT SUB 6A is worth all due credit. With a lower low-pass setting the power amp automatically adjusts so that the sound impression remains the same

**SOUND-TIP**  
Compact-Class  
**CAR&HiFi** 5/2022

### Eton UG FIAT SUB 6A

Price	about 300 Euro
Distributor	ACR, CH-5330 Zurzach
Hotline	info@acr.eu
Internet	www.eton-gmbh.com

### Summary

▶ Sound quality	30 %	1,1	■■■■■
Bass foundation	7,5 %	1,5	■■■■■
Pressure	7,5 %	1,5	■■■■■
Accuracy	7,5 %	0,5	■■■■■
Dynamics	7,5 %	1,0	■■■■■
▶ Lab	40 %	1,1	■■■■■
Frequency response	10 %	1,0	■■■■■
max. volume	10 %	1,5	■■■■■
Amp power	20 %	1,0	■■■■■
▶ Practice	30 %	1,3	■■■■■
Features	10 %	1,5	■■■■■
Workmanship electr.	10 %	1,5	■■■■■
Workmanship mech.	10 %	1,0	■■■■■

### Technical Data

Width	37.0 cm
Height	7.8 cm
Depth	29.4 cm
Volume	5 l
BR port (d x l)	-
Weight	4.3 kg
Chassis diameter	15 cm
Nominal impedance	2x2 ohms
Coil diameter	38 mm
Power @ nominal impedance	90 W
Sensitivity max mV	110 mV
Sensitivity min V	5.0 V
THD+N (<22 kHz) 5 W	0.25 %
THD+N (<22 kHz) half load	0.25 %
Signal/Noise Ratio dB(A)	94 dB

### Features

Lowpass	50 – 150 Hz
Bass-boost	-
Subsonicfilter	25 Hz, fixed
Phaseshift	pole switching
Low-Level inputs	•
High-Level inputs	•
Autosense	•, DC
Start/Stop compatible	• (8.7 V)
Remote	•, Gain
Other	Fiat Ducato

### UG FIAT SUB 6A

Compact-Class 1,2

**CAR&HiFi** 5/22

Price/performance: very good

"Perfectly conceived, practical and good"