

Eton UG VW T6 2.2: Speaker system  
for the VW Bus T6

# Beats in the Bulli



► Today there are many aftermarket speakers for the VW Bus. Eton aims to set itself apart from the competition with a special claim to quality, which is what we want to check here with the example of the UG VW T6 F2.2.

Most Volkswagen now have door speakers in the format 155 or 180 mm. However, VW Bus owners like particularly generous door installation slots for 200 mm woofers. But standard DIN baskets don't fit, and so VW has taken care of this with a special unit carrier and a front-piece in front of the speaker cone. The Bus models T5 and T6 differ in the tweeter: more precisely, a mid-high unit with a small mid-range driver and tweeter is fitted in the T5.

Our UG VW T6 2.2 for the T6 comes with quite a large tweeter with a typical mounting having three lugs. When the bracket is already so large, Eton also puts in an extra large tweeter. The T6 tweeter works with a 28 mm voice coil and dome diameter that is a size larger than the most commonly used 25 mm dome. And the additional cone area helps not only a subwoofer: the same applies in principle for tweeters. Only here it is not about efficiency and

**The basket of fiber reinforced plastic fits perfectly between unit carrier and trim**

sound pressure – a tweeter has enough of that. It is about getting a bit more control at low working frequencies: for the tweeter that means below 3 kHz. In the same direction is a fairly major innovation that Eton has put in the T6 tweeter, namely a rear resonance chamber. Again the effect aims at the lower end of the frequency response; here the

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(enlarged) chamber generates more sound pressure behind the cone at a lower resonant frequency. The build quality of both chassis is extremely pleasing – Eton leaves nothing to chance here. Moreover, the T6 system is made in Germany, which applies to very few speakers and even fewer vehicle speakers. The 20 cm woofer has an accurately fitting plastic basket. At the front and rear are guides and mounts for the VW unit carrier and the rubber sound guide. Technically, it is related to the successful POW series. Characteristic features are the soft rubber dustcap and of course the embossed fiber glass reinforced POW cone, whose design originally goes back to Eton and is now widely copied. As for crossovers there is only one circuit for the tweeter integrated into the supply lead. This consists of a 12 dB filter comprising capacitor and coil using good, low-distortion components in the form of a film and an air core coil.

### Measurements and Sound

With a 3 ohm nominal impedance Eton has designed the woofer with a somewhat lower ohmic value than the 4 ohm standard so it can draw a tick more power from the amplifier. However, it still functions without any problems on a factory system. We measured a very good 91 dB sound pressure level at 2 volts. The large and not too heavy cone of the POW helps here. The distortion of the 20 cm is extremely low; these are top scores, just like for the 28 mm woven fabric tweeter. The latter shows as so often with Eton no ambitions in the super treble range above 20 kHz. But not to worry – the sound is guaranteed not to be lacking anything. This is also exhibited by the UG VW T6 2.2, which play round and balanced from top to bottom. It shines with the natural reproduction of natural instruments, which it embellishes with a superb harmonic spectrum. At the lower end of the frequency range the system plays a tight and powerful bass. There is also a bass



Cleanly made driver  
„Made in Germany“

**BEST PRODUCT**  
**VW loudspeaker**  
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### Eton UG VW T6 F2.2

Price	about 400 Euro
Distributor	ACR, CH-5330 Zurzach
Hotline	info@acr.eu
Internet	www.eton-audio.com

### Summary

Sound quality	55 %	1,2	■■■■■
Bass	11 %	1,5	■■■■■
Neutrality	11 %	1,5	■■■■■
Transparency	11 %	1,0	■■■■■
Soundstaging	11 %	1,0	■■■■■
Dynamics	11 %	1,0	■■■■■
Lab	30 %	1,3	■■■■■
Frequency response	10 %	1,5	■■■■■
max. volume	10 %	1,5	■■■■■
Distortion	10 %	1,0	■■■■■
Workmanship	15 %	1,2	■■■■■
Installation	5 %	1,0	■■■■■
Crossover	5 %	1,5	■■■■■
Workmanship	5 %	0,5	■■■■■

### Technical Data

Basket diameter W	200 mm
Mounting depth W with ring	32 mm
Magnet diameter	85 mm
Tweeter dome diameter	28 mm
Tweeter housing diameter	50 mm
Slope W/T	~12 dB
Tweeter protection	–
Tweeter volume adjustment	–
Fits in here *	T6
other	–
Nominal impedance	3 ohms
DC resistance Rdc	2,50 ohms
Coil inductivity Le	0,27 mH
Coil diameter	25 mm
Cone surface Sd	209 cm <sup>2</sup>
Resonance frequency Fs	82 Hz
Mechanical quality Qms	6,07
Electrical quality Qes	1,19
Total quality Qts	1,00
Equivalent volume Vas	10,7 l
Moving mass Mms	21,4 g
Rms	1,81 kg/s
Cms	0,18 mm/N
B*I	4,80 Tm
Pressure 2 V, 1 m	91 dB
Power handling	30 – 100 W

### Eton UG VW T6 F2.2

**VW-Loudspeakers 1,2**

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Price/performance: very good

“Great system, tailor-made plug&play for the T6.”

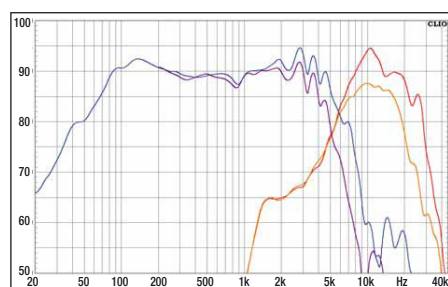
response, though more like a good 16 cm driver than a sub-woofer. Altogether, the punch is definitely right, and the set plays nice dynamics – it’s guaranteed not to be boring with Eton.

### Summary

The VW T6 2.2 leaves behind an impression of first-class quality, no matter whether you take the speakers in your hands, assess measured values or in relation to sound. Great system, tailor-made plug and play for the T6.



Plug and play tweeter with large 28 mm dome and VW connector



The woofer with POW genes pleases with a full sound pressure level of 91 dB; the large tweeter plays coy in the super high range