

# EMPHASER

EBS111X • TEST REPORT CAR&HIFI 4/2026

Emphaser EBS111X: New subwoofer for the spare wheel



The lower half of the housing and the woofer basket are made from a single piece

very generous 76-mm voice coil. What is new, however, is the housing, which is now slimmer and lighter, and that is certainly no drawback. The lid with the electronics is still made of die-cast aluminum, as the housing is used to cool the power modules. However, the lower half of the housing with the 11-inch woofer is made of plastic, heavily braced and stable. The electronics consist of two parts, namely the input board with the signal processing controlled remotely, and the power amplifier. The latter is a simple Class-AB analog power amplifier; screwed onto the housing heat sink are four transistors in the power supply and two in the amplifier stage, and these are powered by a discrete circuit.

## Measurements and Sound

The EBS111X performs brilliantly in front of the measurement microphone; its frequency response never hints at

# Concealed bass

► With the EBS111X, Emphaser has a new practical active subwoofer, which fits into the spare wheel rim and has been optimized in a few ways.

Up till now Emphaser had two alternatives for the spare wheel: the 8" ported woofer EBS108A and the 11" EBS111A as top model. Now Emphaser is adding a new 111 to the 108 model, namely the EBS111X. It pursues the same goal, an invisible bass solution for rims from 15 inches and above, but one which has been updated. As before, there is remote operation for all controls, including low-pass, boost and phase inversion, in addition to gain. As a result, there is nothing but a single Molex connector on the woofer housing that carries high-level and RCA in-

puts, the switch-on line plus the power supply. The latter has four positive and four negative leads, each of which is bundled into a single thick wire to ensure a reliable power supply despite the limited wire cross-section of the Molex pins. Switching on and off can be generated not only via the remote line, but also automatically from a high-level input. Emphaser has also retained the extremely stable cone made of stainless steel, which is set in motion by a



The bottom is covered with foam rubber, so nothing rattles or gets scratched

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A single Molex connector brings all the wiring together

the tiny 7.5-liter enclosure, especially since it houses a full-size eleven-inch driver. With the boost, the Emphaser creates breathtaking bass waves – hats off! The amplifier barely manages to reach the promised 150 watts. At our 13.8 volts, it nevertheless achieves 120 watts, which is enough for a decent bass carpet of sound. This is also evident in the car, where the EBS111X plays nice and low, delivering enough level for everyday use. The sound quality and response are more than adequate, making this a great all-around woofer.

### Summary

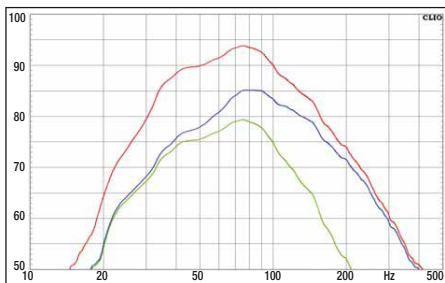
The Emphaser impressed us with its incredibly practical woofer design that gives any everyday sound system that crucial bass boost. To top it all, it was even possible to lower the price compared to the 111A – we are happy to go along with that!



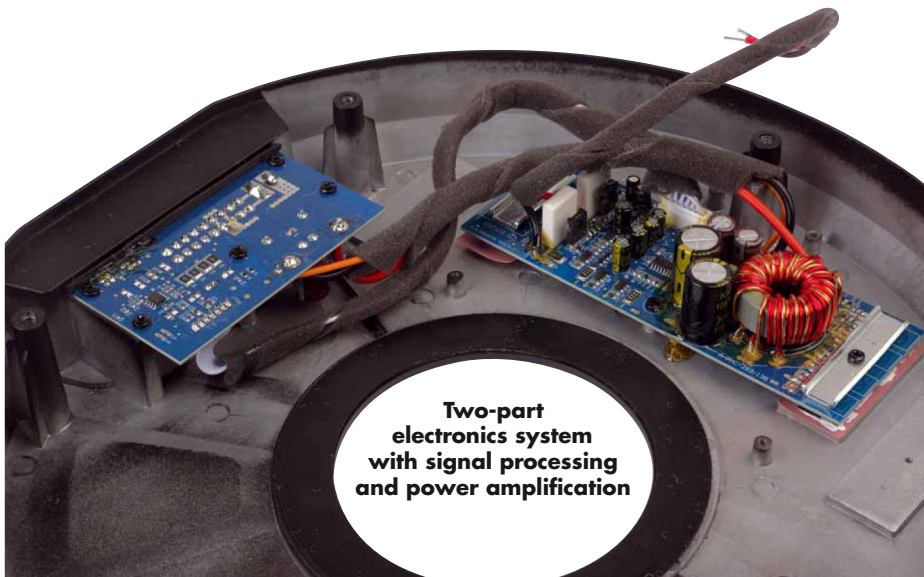
The new housing is now even slimmer with a height of just over 12 cm



All controls are combined in the remote unit



For just 7.5 liters, the EBS111X delivers breathtakingly deep bass—especially with the boost, it produces truly deep bass tones



Two-part electronics system with signal processing and power amplification

**BEST PRODUCT**  
Compact-Class  
**CAR & HiFi** 4/2026

### Emphaser EBS111X

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

### Summary

▶ Sound quality	30 %	1,3	■■■■■
Bass	7,5 %	1,5	■■■■■
Pressure	7,5 %	1,0	■■■■■
Clearance	7,5 %	1,0	■■■■■
Dynamics	7,5 %	1,5	■■■■■
▶ Lab	40 %	0,9	■■■■■
Frequency response	10 %	0,5	■■■■■
max. volume	10 %	1,0	■■■■■
Amp power	20 %	1,0	■■■■■
▶ Practice	30 %	1,3	■■■■■
Equipment	10 %	1,5	■■■■■
Workmanship el.	10 %	1,5	■■■■■
Workmanship mech.	10 %	1,0	■■■■■

### Technical Data

Enclosure width	36,0 cm
Enclosure height	12,2 cm
Enclosure depth	36,0 cm
Enclosure Type / Volume	g 7,5 l
Port diameter (d x l)	–
Weight	7,3 kg
Driver diameter	28 cm
Nominal impedance	2 ohms
Voice coil diameter	76 mm
Output @ nominal impedance	120 W
Max. RCA input sensitivity	130 mV
Min. RCA input sensitivity	3,3 V
Equivalent volume Vas	0,03 %
Moving mass Mms	0,18 %
Signal/Noise Ratio dB(A)	94 dB

### Equipment

Low-pass	50 – 150 Hz
Bass boost	0 – 12 dB/45 Hz
Subsonic filter	fixed 30 Hz
Phase shift	180°
RCA inputs	•
High-level inputs	•
Automatic turn-on	•, DC
Start-Stop compatibility	• (6,4 V)
Remote	•, Gain, Boost XO, Pahse
Other	in spare wheel rim

### Emphaser EBS111X

**Compact-Class 1,1**

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Price/performance: very good

“Super bass solution, ideal for every day usage.”