

# AxTON

AXTON A1250 + A4120 • TEST REPORT CAR&HIFI 5/2022



**Axton A1250 + A4120:  
Sound booster with  
4 and 1 channels**

## Power amps small & nice price

► Axton always finds a gap for new products in its amplifier range. This time two new amplifiers have come onto the market that are even smaller and cheaper than any of the previous ones.

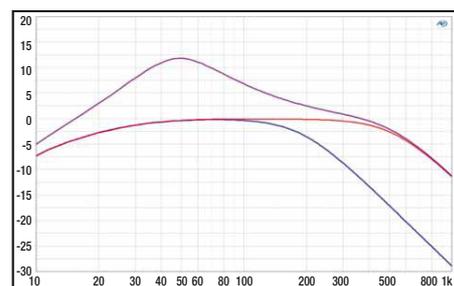
At Axton there is already any number of low budget amplifiers. Totally new are the A1250 and the A4120 with one and four channels respectively. However, they are still positioned below the A101 and A401 as far as price and dimensions are concerned. Equally one should not expect any excessive performance: Axton promises 60 watts and 150 watts per channel at 4 ohms respectively. We see the target group being those who simply want to go a step further than with the original system when listening to music. Just the A4120 allows original front and rear door speakers to be operated significantly better than with a factory car radio delivering at best 10 watts. So 50 to 60 watts is a considerable advance. Similarly, the A1250 can drive a small subwoofer or the bass speaker in a BMW or Mercedes without any problem. And you get that for a good 100 euros in either case, which is why we have just about the

**The mono has a row of power transistors together with an aluminum heat sink bar**

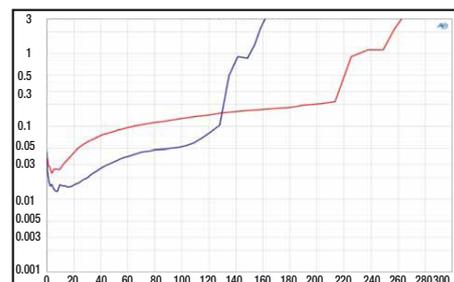


cheapest sound upgrade that there is. If you want to go a step further add an aftermarket speaker – naturally here it does not have to be the expensive Reference Series. Our A1250 and A4120 come over as neat, small aluminum boxes. The bass power amp is 14 cm long, with the four-channel variant being just a bit longer, so that both have no problem finding space in or under the dashboard. The configuration of the A4120 is very sparse. For the price we are happy to do without complex filters, but we do miss a high level input for the speaker wires of the original radio. Having RCA outputs available will get you off the hook, otherwise you'll need a couple of tenners for a high-to-low adapter. The A1250 does a better job, having high-level inputs along with auto turn-on and a bass boost. Even a

remote gain control is included. Technically we have of course the latest Class D amplifier. Here the four-channel A4120 appears fully up-to-date: The amplification is integrated in two small chips that manage almost completely without heat sinks: there is just one slim



**Beside the low-pass filter the A1250 also has a bass boost control at 45 Hz**

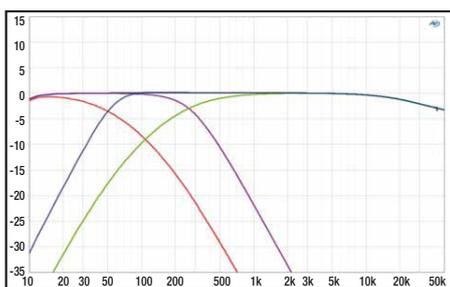


**Plenty of power for a tiny box. At 2 ohms there is approximately 250 watts inside for only a little more distortion**

aluminum bar for heat dissipation underneath the circuit board. The mono A1250 is similarly highly integrated. It also has a driver IC, although the power transistors are macroscopic discrete components and have an aluminum heat sink.

### Measurements and Sound

It is very pleasing to see how the little units behave in our test lab. At 4 x 55 watts the A4120 delivers more than enough power for a boost, the signal always remaining clean. Noise is also not an issue, equally so for the A1250. The latter even produces less distortion, and the frequency response up to 500 Hz is also adequate for a high woofer / subwoofer cut-off. As for power, there is plenty of that. At 4 ohms there is 143 watts, and at 2 ohms the A1250 even unleashes 247 watts! That makes the A1250 a hot tip for small (and medium) subwoofers. In practice the little mono makes you sit up and take note. It drives our 25 cm test subwoofer without any problems at all. We have no complaints either about the deep bass response or the pressure level. The level is easily sufficient for everyday use; we guarantee that no one will have any gripes here. And the A4120 also does a great job. Voices



The A4120 shows an extended working range up to over 50 kHz. There is a choice of low or high-pass filters from 50 to 250 Hz



Less than 4 ohms is not allowed. The A4120 outputs 55 watts per channel

and instruments are clearly heard from the speakers and even the fun from the bass is worthy of mention. That is more than enough to be miles away from the original factory sound: here everything is simply louder and better.

**PRICE-TIP**  
Middle-Class  
**CAR&HIFI** 5/2022

### Axton A1250

Price about 100 Euro  
Distributor ACR, CH-5330 Zurzach  
Hotline info@acr.eu  
Internet www.acr.eu

### Summary

▶ Sound quality	20 %	1,1	■■■■■
Bass fundamental	5 %	1,0	■■■■■
Pressure	5 %	1,0	■■■■■
Clearance	5 %	1,0	■■■■■
Dynamics	5 %	1,5	■■■■■
▶ Lab	55 %	1,9	■■■■■
Power	40 %	2,0	■■■■■
Damping factor	5 %	2,0	■■■■■
Distortion	5 %	1,5	■■■■■
Signal/Noise Ratio	5 %	1,5	■■■■■
▶ Practice	25 %	1,4	■■■■■
Features	15 %	1,5	■■■■■
Workmanship electr.	5 %	1,0	■■■■■
Workmanship mech.	5 %	1,5	■■■■■

### Technical Data

Channels	1
Power @ 4 ohms	143
Power @ 2 ohms	247
Power @ 1 ohms	0
Sensitivity max mV	300
Sensitivity min V	> 8
THD+N (<22 kHz) 5 W	0,017
THD+N (<22 kHz) half load	0,044
Signal/Noise Ratio dB(A)	83
Damping 20 Hz	102
Damping 40 Hz	102
Damping 60 Hz	99
Damping 80 Hz	99
Damping 100 Hz	97
Damping 120 Hz	97

### Features

Lowpass	80 – 150 Hz
Highpass	–
Bandpass	–
Bass-boost	0 – 12 dB/45 Hz
Subsonicfilter	–
Phaseshift	–
High-Level inputs	•
Autosense	•, DC
RCA outputs	–
Start/Stop compatible	• (6.2 V)
Dimensions (L x W x H in mm)	160 x 82 x 35
Other	remote control

### Axton A1250

**Middle-Class 1,6**  
**CAR&HIFI** 5/22  
Price/performance: very good  
"Super small and super nice price."

### Summary

A1250 and A4120 have become tiny, super practical amplifiers that for the price leave nothing to be desired.

**PRICE-TIP**  
Middle-Class  
**CAR&HIFI** 5/2022

### Axton A4120

Price about 130 Euro  
Distributor ACR, CH-5330 Zurzach  
Hotline info@acr.eu  
Internet www.acr.eu

### Summary

▶ Sound quality	40 %	1,3	■■■■■
Bass	8 %	1,5	■■■■■
Neutrality	8 %	1,0	■■■■■
Transparency	8 %	1,5	■■■■■
Soundstaging	8 %	1,5	■■■■■
Dynamics	8 %	1,0	■■■■■
▶ Lab	35 %	2,2	■■■■■
Power	20 %	2,5	■■■■■
Damping factor	5 %	2,5	■■■■■
Distortion	5 %	1,5	■■■■■
Signal/Noise Ratio	5 %	1,5	■■■■■
▶ Practice	25 %	1,4	■■■■■
Features	15 %	1,5	■■■■■
Workmanship electr.	5 %	1,5	■■■■■
Workmanship mech.	5 %	1,0	■■■■■

### Technical Data

Channels	4
Power @ 4 ohms	55
Power @ 2 ohms	0
Power @ 1 ohms	0
Power bridged 4 ohms	0
Power bridged 2 ohms	0
Sensitivity max mV	430
Sensitivity min V	6.2
THD+N (<22 kHz) 5 W	0,053
THD+N (<22 kHz) half load	0,100
Signal/Noise Ratio dB(A)	86
Damping 20 Hz	102
Damping 40 Hz	102
Damping 60 Hz	102
Damping 80 Hz	102
Damping 1 kHz	95
Damping 8 kHz	14
Damping 16 kHz	4

### Features

Lowpass	50 – 250 Hz
Highpass	50 – 250 Hz
Bandpass	–
Bass-boost	–
Subsonicfilter	–
Phaseshift	–
High-Level inputs	–
Autosense	–
RCA outputs	–
Start/Stop compatible	• (6.4 V)
Dimensions (L x W x H in mm)	196 x 82 x 35
Other	–

### Axton A4120

**Middle-Class 1,6**  
**CAR&HIFI** 5/22  
Price/performance: very good  
"Super small and super nice price."