

Stealth 1200.1: Powerful mono power amp from Eton



Top quality bass amplifier

► Eton created a furore in 2020 with the Stealth 7.1 DSP, which was a completely new design. Now with the Stealth 1200.1 comes the addition of the perfect bass enhancement.

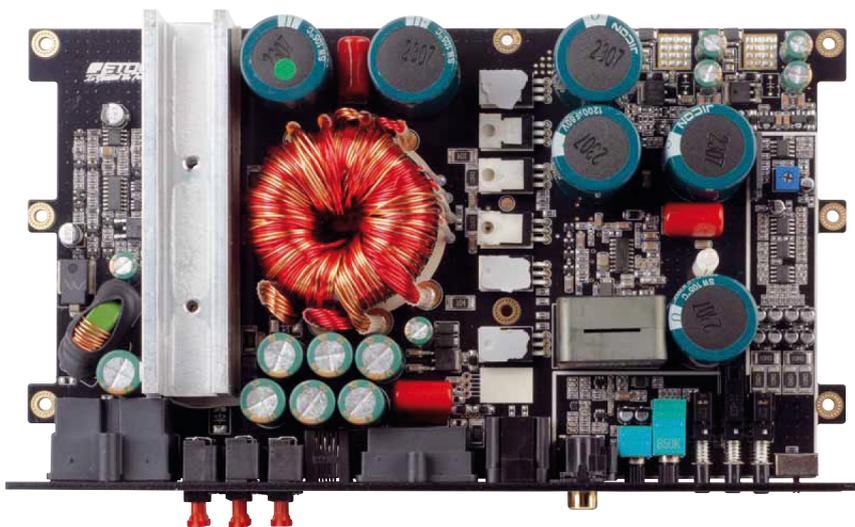
With the Stealth 7.1 DSP Eton presented a power amp that came along with its own design but was also able to impress with technical innovation. Seven amplifier channels, a superb HiRes DSP and streaming as a standard production item were and still are a great offer. This is where the „1“ finally comes in: namely the subwoofer output, which is of course also controlled by the DSP. With the Stealth 1200.1 we now have the perfectly matching mono power amp for the subwoofer. Naturally in the same casing with the characteristic faceted look and with generous reserves of power. The Stealth 1200.1 is not only suited to working with the DSP power amp, it is also equipped with its

own set of filters. The result is actually so good that it can also be set to work alone with any audio system. Besides the obligatory low-pass filter there is a switched subsonic filter. Furthermore the low pass slope may be switched from 12 to 24 dB/octave. This can aid in lining up the sound of the subwoofer to that of the front speakers. In addition an auto turn-on can optionally monitor the DC offset of the radio power amps or the current input of the music signal – perfect for factory radios and all oth-

er sources. The included cable remote control is naturally also nice to have. Plug connectors are used throughout, whether for high-level inputs, speaker outputs or for the power supply. This can be practical and saves space at the front panel of the unit. Internally it is just as distinctive as its 7.1 sister model: the layout has been designed from scratch so that the relatively small housing can take the power. Instead of the step-up power supply unit used in the 7.1, the Stealth 1200.1 relies on a conventional push-pull transformer PSU connected to buffering well distributed on the circuit board. In the way of ICs there is the classic TL494 from Texas

Plug connectors throughout and good filtering





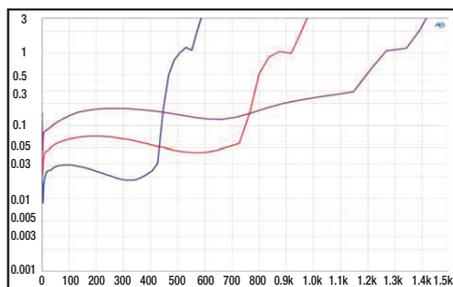
Distinct layout with heat sinks over the power supply units, while the power transistors are in contact with the cast housing for cooling

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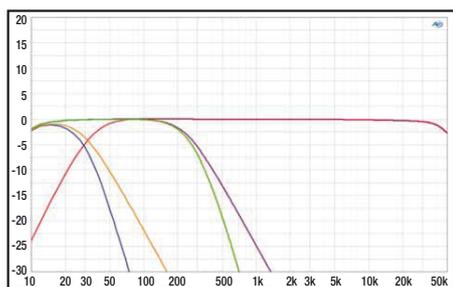
Instruments, which regulates power supply clocking in millions of car audio amps. On the other side we find an integrated Class D driver in the form of the IRS2092, which enjoys great popularity in high quality designs. There are two amazing rows of semiconductors, one for the power supply and one with 2 x 3 MOSFETs for power amplification.

Measurements and Sound

First of all we have to note that the Stealth 1200.1 is not a pure subwoofer power amp, but works over the full range. By enabling the bypass switch



The Stealth 1200.1 is terrific with up to 1250 watts. The additional power at lower loads comes at the cost of increasing distortion, although this is absolutely ok even at 1 ohm.



Unfiltered the Stealth 1200.1 runs straight up to 50 kHz. The low pass filter extends up to 250 Hz with the selectable slope of 12 or 24 dB/octave.

of the active crossover it will operate to over 50 kHz and is consequently HiRes audio capable. The performance curves, that is our familiar distortion against power readings are staggered one above the other: the lower the load the more distortion there will be. This does not mean that the Eton shows excessive distortion – quite the opposite. Even at 1 ohm distortion always remains under 0.2 %, which is fully in the green zone for a powerful mono amp. At 2 and 4 ohms we then already have a zero after the comma – so everything is fine. For that you get a lot of power – at 4 ohms already over 500 watts. At 2 ohms the result is 920 watts and at 1 ohm in fact 1250, which is enough for any HiFi subwoofer.

Sonically the Stealth 1200.1 pleases with its proverbial control. Even at high levels nothing smears, even during long drawn out bass orgies, which could otherwise easily become muddy. Crisp punches in the upper bass like a base drum are heard extremely precisely, which will delight the listener, and remain punchy even at high levels. Due to the generous power the Eton generates a lot of pressure – more than enough for any situation. In the end one wonders what sonic monster is lurking in the compact housing.

Summary

The bass enhancement to Stealth 7.1 DSP has succeeded perfectly for Eton. The Stealth 1200.1 is top quality both inside and out so that the price tag of 450 euros in this high quality market segment ought not to be seen as in any way being too expensive.

Eton Stealth 1200.1

Price	about 450 Euro
Distributor	ACR, CH-5330 Zurzach
Hotline	info@etongmbh.com
Internet	www.etongmbh.com

Summary

▶ Sound quality	20 %	1,0	■■■■■
Bass	5 %	1,0	■■■■■
Neutrality	5 %	1,0	■■■■■
Transparency	5 %	1,0	■■■■■
Soundstaging	5 %	1,0	■■■■■
Dynamics	5 %	1,0	■■■■■
▶ Lab	56 %	1,0	■■■■■
Power	40 %	1,0	■■■■■
Damping factor	5 %	0,5	■■■■■
Distortion	5 %	1,5	■■■■■
Signal/Noise Ratio	5 %	1,5	■■■■■
▶ Practice	25 %	1,3	■■■■■
Features	15 %	1,5	■■■■■
Workmanship electr.	5 %	1,0	■■■■■
Workmanship mech.	5 %	1,0	■■■■■

Technical Data

Channels	1
Power @ 4 ohms	513
Power @ 2 ohms	920
Power @ 1 ohms	1250
Sensitivity max mV	800
Sensitivity min V	5,7
THD+N (<22 kHz) 5 W	0,013
THD+N (<22 kHz) half load	0,019
Signal/Noise Ratio dB(A)	87
Damping 20 Hz	319
Damping 40 Hz	319
Damping 60 Hz	319
Damping 80 Hz	344
Damping 100 Hz	319
Damping 120 kHz	319

Features

Lowpass	25 – 250 Hz
Highpass	–
Bandpass	35 – 250 Hz
Bass-boost	–
Subsonicfilter	fixed 35Hz
Phaseshift	0, 180°
High-Level inputs	•
Autosense	•, DC or signal
RCA outputs	–
Start/Stop compatible	• (7 V)
Dimensions (L x W x H in mm)	250 x 142 x 50
Other	fullrange, 12 or 24 dB/oct., remote control

Eton Stealth 1200.1

Top-Class **1,1**

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Price/performance: very good

“Superbly made mono power unit at a fair price.”