

Eton Mini 150.4 - 4-channel digital power amp with high-end sound



Small sounds good

► The Mini amplifiers from Eton are waiting in the wings. We have taken a closer look at the four-channel Mini 150.4 model.

At Eton, compact digital amps have a comparatively long tradition. Just consider the MA series, which was at the forefront in terms of compactness and efficiency in its time. But even the SDA and Stage series consist of compact class D amplifiers that do not have to hide. Now come the Minis and here,

the name says it all. Apart from our 150.4, the Mini 300.2 is launched at the same time. Both are only 183 x 146 x 50 millimeters in size and thus a whole lot smaller than the SDAs. The modern-looking aluminum housing is uniquely styled. The power and speaker terminals are pluggable for easy installation.

This is fashionable, but especially when it comes to power, care has to be taken in this class. That is why Eton has chosen first-class (and expensive) connectors, which are specified up to 100 amps here. The features are very decent, including automatic switch-on, filters that can be switched off, and a remote control. Details like the fine-locking, good pots or the smart mounting strips add to the positive feeling for the Mini. Inside, we also



Plug connectors capable of high currents make installation and removal much easier

find only good things. The four-layer board helps, among other things, to avoid interference with radio reception. A solid transformer power supply matching the amplification appeals to us, and so do the high-efficiency flat wire coils in the output filtering. Signal processing was provided with its own, particularly low-noise voltage control, and a single class D driver chip takes care of the four channels. All of this is done in a neat and tidy way and gives reason to hope for a great performance.

Measurements and sound

Indeed, the new Eton does a first-class job, the power being the least spectacular thing about it. Solid 84 watts into 4 ohms and a full-fledged 150 into 2 ohms are sufficient for the vast majority of life situations. During this, the music reproduction by the Mini is very low in noise for a powerful class D design, and even the dampening has been dexterously mastered. However, what really astonishes us is the sensational distortion behavior of the Mini. With .005% at 5 watts, this digital power amplifier comes up to the level of the very best high-end

The Mini is fairly crammed, the power transistors of the amplification can be found underneath the board

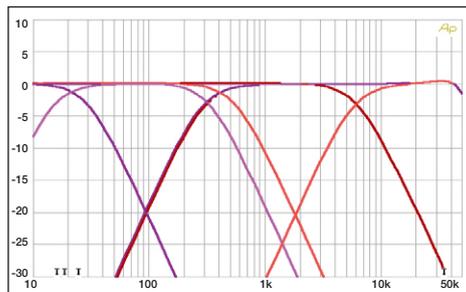


amplifiers on the market, and the Eton retains this low distortion even under power and into remarkable 2 ohms. Thus, not much can go wrong in the listening test. Indeed, the Eton delights the audience with sound characteristics that can compete easily with the best in its class. It plays music in an outstanding top-level manner, always paying attention to the flow. It is easy to listen carefully and pick out fine details from the recording, the character of vocals being reproduced lovingly. But the Eton sound does not exercise force on the listener, it does not impose anything forcibly on his ears. The Mini also allows you to just drift away and listen to the music.

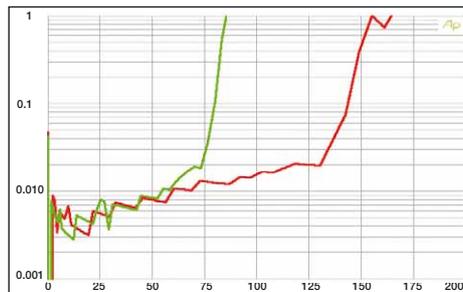
Conclusion

The Eton Mini 150.4 turns out to be a masterpiece. It is spotless and neat and convinces with sound at its finest.

Elmar Michels



The crossovers range up to 6 kHz and are also easy to adjust thanks to the multiplier switch. Thus, the Mini is ready for everything from subsonic to crossing of the tweeter



The Mini produces a record-breaking minimum of distortion, even into 2 ohms. The performance is right, especially for the compact design

SOUND AWARD
Top Class
CAR & HiFi 1/2019

Eton Mini 150.4

| | |
|-------------|----------------|
| Distributor | Eton, Neu-Ulm |
| Hotline | 0731 70785-20 |
| Internet | www.etonmbh.de |

| | | | |
|-----------------|------|-----|-------|
| Sound | 40 % | 1,0 | ■■■■■ |
| Bass | 8 % | 1,5 | ■■■■■ |
| Neutrality | 8 % | 1,0 | ■■■■■ |
| Transparency | 8 % | 0,5 | ■■■■■ |
| Spatial imaging | 8 % | 1,0 | ■■■■■ |
| Dynamics | 8 % | 1,0 | ■■■■■ |

| | | | |
|-----------------------|------|-----|-------|
| Lab | 35 % | 1,6 | ■■■■■ |
| Power | 20 % | 2,0 | ■■■■■ |
| Damping factor | 5 % | 1,5 | ■■■■■ |
| Signal-to-noise ratio | 5 % | 1,5 | ■■■■■ |
| Noise | 5 % | 0,5 | ■■■■■ |

| | | | |
|---------------------------|------|-----|-------|
| Practice | 25 % | 1,4 | ■■■■■ |
| Features | 15 % | 1,5 | ■■■■■ |
| Build quality electronics | 5 % | 1,0 | ■■■■■ |
| Build quality mechanics | 5 % | 1,5 | ■■■■■ |

Specifications

| | |
|-----------------------------|-------|
| Channels | 4 |
| Power 4 Ohm (x4/x2) | 84 |
| Power 2 Ohm (x4/x2) | 152 |
| Power 1 Ohm (x4/x2) | 0 |
| Bridged Power 4 Ohm (x2/x1) | 304 |
| Bridged Power 2 Ohm (X2/x1) | 0 |
| Sensitivity max. mV | 480 |
| Sensitivity min. V | 5,6 |
| THD+N (<22 kHz) 5 W | 0,005 |
| THD+N (<22 kHz) Half Power | 0,008 |
| Signal-to-noise ratio dB(A) | 87 |
| Damping factor 20 Hz | 172 |
| Damping factor 80 Hz | 172 |
| Damping factor 400 Hz | 166 |
| Damping factor 1 kHz | 149 |
| Damping factor 8 kHz | 18 |
| Damping factor 16 kHz | 5 |

Features

| | |
|---|---|
| Low pass | 15 – 300 Hz (CH34), 300 – 6k Hz (CH34) |
| High pass | 30 – 300 Hz, 600 – 6k Hz (CH34) |
| Band pass | 15 – 6k Hz (CH34) |
| Bass boost | – |
| Subsonic filter | via HP |
| Phase shift | – |
| High-level inputs | • |
| Separate gain control (Autosense) •, DC oder Signal | • |
| RCA outputs | – |
| Start/stop capable | • (6,1 V) |
| Dimensions (L x W x H in mm) | 183 x 146 x 50 |
| Others | Remote Control, 2 or 4CH In |

Ratings

| | | | |
|----------|------|-----|----------|
| Price | | | 300 Euro |
| Sound | 40 % | 1,0 | ■■■■■ |
| Lab | 35 % | 1,6 | ■■■■■ |
| Practice | 25 % | 1,4 | ■■■■■ |

Eton Mini 150.4

Absolute Top Class
Top Class
Upper Class
Middle Class
Entry Class

1,3

Price-Performance:
Very good

CAR & HiFi

Issue 1/2019

„Compact and refined – a great power amp.“