

## SAM-2 - HiFi Active Unit

250  
W<sub>MAX</sub>



**SAM-2**



### Impressive Component for a Perfect Bass Speaker

Due to the high-quality transistor technology, the well-established design of this active subwoofer module allows for an impressively warm sound of the self-built subwoofer system. Features and workmanship of this module perfectly meet all requirements. SAM-2 features great dynamic reserves.

Active subwoofer module, 200 W

- High-power active module
- 24 dB subsonic filter
- Variable low-pass filter: 50-150 Hz (18 dB)
- Semiparametric bass boost (variable 30-50 Hz midrange with boost up to 6 dB, continuously adjustable)
- Continuously adjustable phase control 0-180° for uncompromising room correction and an optimum set-up of your speakers

- Variable high-pass filter: 50-150 Hz (12 dB) for equalizing the bass frequencies of the satellite amplifier and the satellite speakers
- Ground lift switch from the studio technology to prevent hum interference
- Various protective circuits against short circuit, overheating and DC voltage overload
- Perfect drive for bass speakers with a diameter of up to 46 cm
- Impressive sound and workmanship

The high-quality active high-pass filter of the SAM-2 with versatile adjustments can conveniently be used as a bass relief of the main speakers and for optimising the sound. However, a regulated preamplifier output (Pre Out) is required for this. This kind of output is partly present at high-quality separable full amplifiers (Pre Out/Main In) or automatically provided by preamplifier/power amplifier combinations or when using mixers.

Klang+Ton 02/2013  
SPH-10M, MSH-115HQ, RBT-95SR and SAM-2 in the speaker building concept 2DOT1

“A system of appealing design which provides an equally nice sound ... the speaker building concept features an amazing adaptability and almost unlimited settings ... incredibly suitable for everyday use, is capable of reproducing any kind of music and suitable for home cinema systems. The system provided an absolutely amazing sound when tested in the audio room. The small speakers appeared to reproduce the complete bass range. There was no way of locating the subwoofer. The tactics with the tiles achieved great results ... nothing trembles, even though a powerful bass speaker of a high power capability is set-up in the room. The satellites provide an extra light and high-resolution sound.”

## Tekniset tiedot:

|  |  |
|--|--|
| Peak output power                            | : 250 W  |
| Power rating                                 | : 200 W  |
| Power rating at 2 Ohm                        | : -  |
| Power rating at 4 Ohm                        | : 200 W  |
| Power rating at 8 Ohm                        | : 125 W  |
| Power rating at 16 Ohm                       | : -  |
| Power rating at 100 V                        | : -  |
| Power rating with 4 Ohm<br>bridged operation | : -  |
| Power rating with 8 Ohm<br>bridged operation | : -  |
| Output impedance                             | : -  |
| Channels                                     | : 1  |
| Zones  | : -  |
| Inputs                                       | : 8.4 V mono/4.2 V stereo/20 kOhm (line) 44 V<br>stereo/17 kOhm (high)           |
| Attenuation factor                           | : -  |
| Frequency range                              | : satellite: (var. 50-150 Hz) - 20,000 Hz subwoofer:<br>20 Hz - (var. 50-150 Hz) |
| Crossover network                            | : 18 dB/oct.   |
| Crossover frequency                          | : -  |
| Integrated limiter                           | : -  |
| Equalizer bass                               | : -  |
| Equalizer midrange                           | : -  |
| Equalizer treble                             | : -  |
| S/N ratio                                    | : ? 70 dB  |
| Crosstalk attenuation                        | : -  |
| THD  | : < 0.1%   |
| Mains voltage                                | : ~ 230 V  |
| Mains frequency                              | : 50 Hz  |
| Power consumption, operation                 | : 300 VA   |
| Power consumption, standby                   | : 6 VA   |
| Standby current                              | : -  |
| Operating voltage (possible<br>alternative)  | : -  |
| Power supply (possible<br>alternative)       | : -  |
| Admiss. ambient temp.                        | : 0-40 °C  |
| Width  | : 185 mm   |

Height  
Depth

: 370 mm  
: 90 mm





|                 |          |
|-----------------|----------|
| Rack spaces, RS | : -      |
| Weight          | : 4.9 kg |
| Connections     | : -      |