

SAM-2

Order no.: 0320670

PRODUCT INFORMATION

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.”

Manufacturer information:
MONACOR INTERNATIONAL GmbH & Co. KG
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Warning and Safety Instructions
The device is supplied with dangerous mains voltage. Leave servicing to skilled personnel only and do not insert anything into the air vents. Risk of electric shock!
Do not use this device and disconnect it immediately from the power supply if the device or the power supply cable is visibly damaged, if a defect might have occurred after the device was dropped or suffered a similar accident, if malfunctions occur. Any repairs must be carried out by specialists.
The product is suitable for indoor use only. Protect it against dripping water, splash water and high air humidity (admissible ambient temperature range is 0 - 40 °C).
Never pull the mains cable to disconnect the mains plug from the socket, always seize the plug.
The heat generated in the device must be dissipated by air circulation. Never cover the air vents of the housing.
If the device is to be put out of operation definitely, dispose of the product in accordance with local regulations.

SPECIFICATIONS

SAM-2	
Peak output power	250 W

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Power rating	200 W
Power rating at 4 Ω	200 W
Power rating at 8 Ω	125 W
Channels	1
Inputs	8.4 V mono/4.2 V stereo/20 kΩ (line) 44 V stereo/17 kΩ (high)
Frequency range	satellite: (var. 50-150 Hz) - 20,000 Hz subwoofer: 20 Hz - (var. 50-150 Hz)
Crossover network	18 dB/oct.
S/N ratio	> 70 dB
THD	< 0.1%
Power supply	˜ 230 V/50 Hz/300 VA
Mains voltage	~ 230 V
Mains frequency	50 Hz
Power consumption, operation	300 VA
Power consumption, standby	6 VA
Admiss. ambient temp.	0-40 °C
Width	185 mm
Height	370 mm
Depth	90 mm
Weight	4.9 kg
Connections	1 x RCA (line in), 1 x speaker terminal (high-power in), 1 x RCA (sat out)
Packaging dimensions (W x H x L)	0.26 x 0.19 x 0.49 m
Gross weight	5.74 kg
Net weight	4.92 kg

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EAN code	4007754170306
Net weight	4.92 kg