

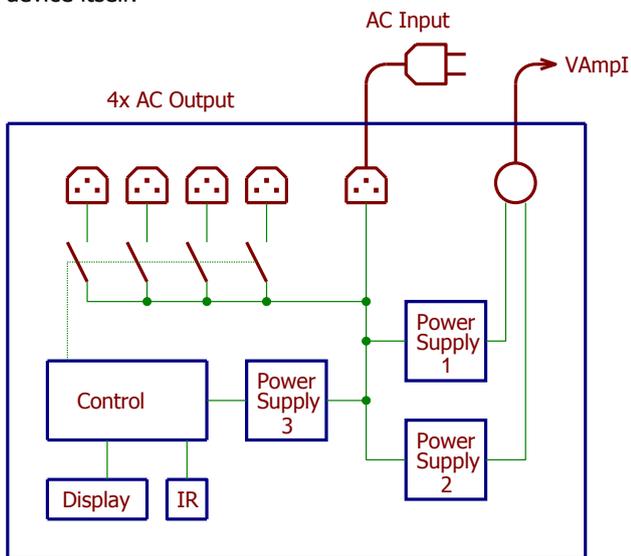
SAmpI Power-Conditioner with Remote Control



Real All-Rounder

Primarily designed as a power supply unit for the 6-channel preamp VAmpl, the SAmpI power supply unit is a real all-rounder, which is available as a stand-alone device.

The SAmpI power conditioner includes three galvanically isolated power supplies. Two power supplies are provided for the supply of VAmpl, the third is the supply of the device itself.



The two power supplies for the VAmpl are no-switching power supplies, they are fully executed in conventional circuit technology, which guaranteeing a maximum signal to noise ratio. In front of every power supply there is a line filter which keeps almost all interference from the power grid out.

Maximum Energy Saver

In stand-alone mode the two VAmpl power supplies are in power-off state, this reduces the electric power consumption to a minimum.

To keep electrical power consumption as low as possible, all relays in the device are chosen as bistable dual coil relays, which require energy only at the moment of switching.

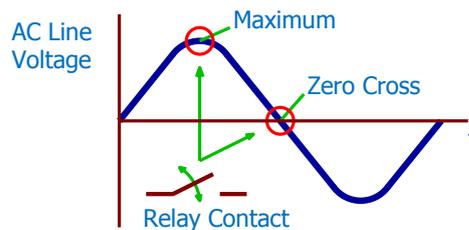
Furthermore, a standby time can be set, after which the device automatically enters sleep mode.

If the external devices connected to the 4 outputs of the SAmpI don't have a standby-function, the SAmpI can relay a standby function to older devices.

To save even more energy another time can be defined, according to which the device cuts itself from mains power and takes no more energy. Optional in this "full off state" the power button can be illuminated.

Life Extender

Each relay contain a zero cross detector, driving all relay coils so, that the contact of the relay is opened or closed exactly at the ideal point of the mains AC line voltage.



This is a very smooth and low-noise switching method for the connected devices and their lifetime will be significantly extended. For different devices-types the switching point is selectable at maximum or at zero crossing point of the mains voltage is optionally.

Maximum of Comfort

The four outputs are directly or programmable switchable via infrared remote control.

The four outputs are never switched simultaneously, so the load change at the power grid is very smooth. For each output a delay time up to several seconds can be set, so the start-up times of the connected devices can be optimized.

All outputs are switched with 2-poles, so in the off state the connected equipment is completely cut off from the power grid.

Flicker-Free Display

The states of all internal voltages and outputs are monitored continuously and displayed on the front panel with multi-colour LEDs. The control of the LEDs is not made with multiplexing resulting in a completely flicker-free and soft light indicator.



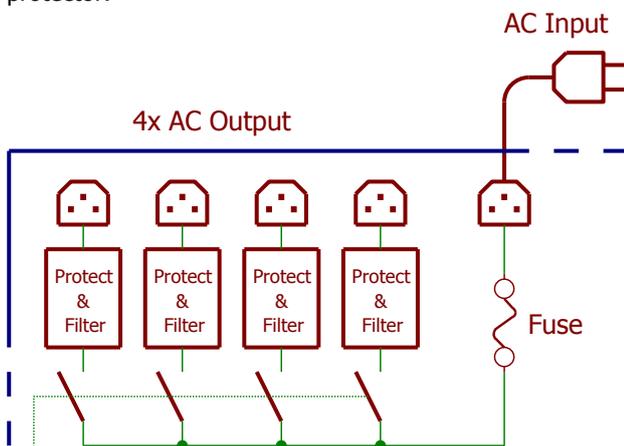
Remote Controlled

If a VAmplifier is connected then the entire control of SAmplifier is taken from this.

In order to avoid any interference the communication between VAmplifier and SAmplifier is electrically isolated by optocouplers.

Filter and Protection

For each of the four switchable outputs nearly all interference from the power grid will be kept out with a separate line filter. Additionally for each output there is a surge protector.



The additional fuse protects the SAmplifier from a connected overload and can be reached on the rear panel. Its condition will be displayed with a LED at the front.

Cascadable

If four switchable outputs are not enough then two units of SAmplifier can be coupled together enabling eight outputs controlled remotely.

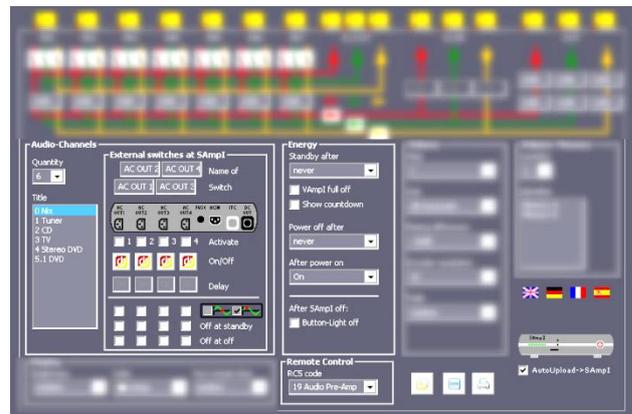
Perfect Routing

The PCB layout of the SAmplifier was handmade, with greatest care, resulting in a perfect signal routing optimized so that each signal passes through its individual current track, in both directions.

The copper coating of the circuit board is designed particularly thick, ensuring the very low impedance operation all connected devices.

Easy Handling

The handling of the VAmplifier has been very carefully thought out and all functions can be operated remotely. All configuration tasks can be performed easily on a PC, the handover to VAmplifier can be done with a memory card.



Technical Data

Power consumption	max. 1500 W
Power supply	230 VAC ±10 % / 50 Hz
DC- Output 1	±9 V / ±150 mA
DC- Output 2	+9 V / +300 mA
DC- Output 3 (ITC)	+5 V / +300 mA
Display	9x Multicolor LED
Power consumption with VAmplifier	<5 W
Power consumption Standalone	<1 W
Power consumption Standby	<0.5 W
Power consumption Full Off	<0.05 W Button-LED On
Power consumption Full Off	0 W Button-LED Off
Forward Inside Resistance	<2x35 mΩ incl. Fuse
Standby waiting time	5 min-6 h or never
Power off waiting time	5 min-6 h or never
Dimensions W H D	332x75x272 mm
Weight	3.1 kg