



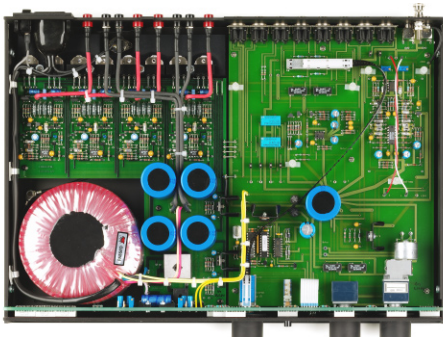
**BI-AMP 1-4**

**BI-AMP 1-4 4-Channel Integrated Amp**

Is it possible to build an amp which is twice as good as the PHONOSOPHIE BI-AMP 1-2? Well, it depends a little on your point of view and how you define it, but to us, the BI-AMP 1-4 is definitely twice as good. Not only did we managed to build four power amps in one slim case, but we also found that you can actually improve on the BI-AMP 1-2, simply actively bi-amping your stereo speakers with four channels of fully enduring power - together with the optional active X-OVER board from PHONOSOPHIE.

“When I consider what huge sums some people pay for a crutch and how much more the BI-AMP 1-4 would do, for the same or less, the choice seems obvious to me.”

IMAGE HIFI / ULRICH MICHALIK



**CHARACTERISTICS**

4 x 50 Watts continuous output into 8-Ohm loads; 6 DIN inputs; 2 DIN pre-outputs; remote-control “REMOTE-KIT”; line-out for multi-room & multi-channel AV-Systems; UPGRADE-Options: MM & MC phono stage; active crossover “X-OVER”; bi-amping module “BI-BUTT (Active-Butterworth-Filter).

This consequent BI-AMP is dedicated to highest audiophile performance, unsurpassed in most pre & power amplifier combinations. It plays music very accurately and deserves to be played loud. Where other amps begin to compress or run into heavy clipping, the BI-AMP lets the instruments breathe. Even at extreme sound pressure levels, it keeps cool like a sports car cruising at over 100 mph on a flat German Autobahn. The compact BI-AMP 1-4 incorporates a line pre-amp (phono if desired) and two independent stereo power amps providing four times 50 Watts.

**More power.** An extremely high performance Toroid transformer offers supreme stability and signal reproduction. The BI-AMP delivers peak levels up to 20 Ampere and stays absolutely stable with loads as low as 1.4 ohms. The transformer is real Toroid, not just toroidal principle, is extremely strong and low loss. In addition sound quality is improved by using star earthing and sophisticated voltage stabilisation. Together with the high current delivery, the BI-AMP 1-4 offers more precise audio imaging and stability, as if the musicians were standing in your listening room.

**Job rotation.** The optional phono boards are designed for quick exchange. You can choose two performance levels for either MM or MC cartridges. Impedance and capacity settings are widely variable. They can be optimised for your favourite pickup when you order your PHONOSOPHIE amplifier. Audiophile orientated circuit design with sophisticated board technology and selected components ensure that the BI-AMP is the right choice for the discerning ear.

**Bi-Butt kicks your...** and gets you closer to the stage. The optional BI-BUTT board (erhem, stands for double Butterworth filter, or what did you think?) enables the adaptation of the speakers to the room. By limiting the bandwidth on both ends of the frequency range of the output-stage (outside the audible range), the filter board is used in our integrated amplifiers, to improve the inherent dynamic behaviour of the amp and precision of the individual channels.



It talks German fluently: DIN deals with connections. PHONOSOPHIE employs DIN sockets for all connections other than Phono, for which we use BNC terminals.

The lockable DIN connectors offer mechanical and electrical advantages. By using a common ground, we avoid the inclusion of different potentials, so that hum doesn't interfere with the sound quality.

BNC connectors are standard in the measuring business and everywhere where extremely low level signals have to be handled. No wonder that we believe that BNCs are the best choice for transmitting the sensitive phono signal to the amp.

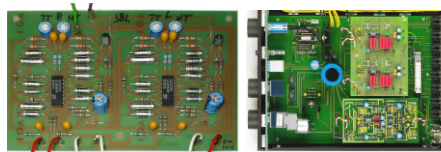
Banana plugs offer the most precisely defined contact with the largest surface area of all loudspeaker connectors and guess what: that's why we use them in all our amps!



**Less vibration.** PHONOSOPHIE uses cases made of carefully treated aluminium (4 mm thick) with finest grade of surface polishing.

In contrast to the heavy armour wrapped around common high end audio components, it will not suffer from vibration energy trapped between thick metal sheets. Instead, this kind of lean construction offers more control when dealing with vibrations as they are eliminated from the cabinet in the shortest time possible.

To reduce vibration effects even further, you can use our racksystem, which is complimentary to the cabinets design and supports them perfectly for optimum sound reproduction.



**More options.** Do you prefer an activate system? No problem, with the module X-OVER-2 plugged in you can precisely adjust your passive speakers from brands like Naim, Linn, PHONOSOPHIE and others.

Or, for more dynamics and control with passive speakers we recommend bi-amping using the BI-BUTT-module.

**TECHNICAL DATA**

Max. Output power:	4 X 50/75 Watts
RMS (8/4 Ohms):	4 x 55/85 Watts
DIN (8/4 Ohms):	4 x 60/95 Watts
Impulse response (8/4 Ohm):	1.4 Ohm
Low impedance capability	22 kOhms
Input impedance of power amp	0.707 V
Sensitivity of power amp	CD/AUX/TAPE1/TAPE2/TUNER/PHONO (optional BNC)
LINE Inputs:	RCA
Input sensitivity	62 kOhms
Input impedance	> 90dB
Channel separation at 1 kHz	50 Ohm
Output impedance (pre amp)	max. output level (pre amp)
max. output level (pre amp)	7.5 V
Power Supply	
Mains voltage	230V ~ 50 Hz
Power consumption	min. 28 Watts
	max. 450 Watts
Mains fuse	230V / 3.15 A
Dimensions (W x H x D):	447 x 70 x 340 mm
Weight:	approx 8.5 kg

**STANDARD ITEMS SUPPLIED**

- PHONOSOPHIE BI-AMP 1-4
- Power cord with copperplated contacts
- 8 x Banana plugs for speakers (copperplated contacts)
- Remote control unit + batteries
- Owner's manual

**BTO-OPTIONS (BUILD-TO-ORDER)**

Besides choosing the standard version, you can make use of the option, to purchase an individually configured BI-AMP at your authorized PHONOSOPHIE dealer. These BTOs are:

- Phono (MM and MC)
- BI-BUTT (increased dynamics plus room adaption)
- X-OVER (active cross over for use with external power amp)
- Version AG (Powercord and speaker terminals with silverplated contacts)
- Export version (115 V / 60 Hz)

**ATTENTION!** Only buy Phonosophie equipment after you have heard it! The design and construction of our components does not necessarily follow normal Hi-Fi practice. So please check first that “more live” corresponds to your own requirements for music reproduction!