

INTEGRATED

BRINKMANN

www.brinkmann-audio.com

One of the purest amplifiers in the high-end audio world is our Integrated. Built just for music in the most uncompromising way: it has only the volume control and an input selector in the signal chain. When connected to the mains, the amplifier is automatically set to 'stand-by' as there is no power-on-switch. The quiescent current of the output-stage is switched off and the signal is muted through the dedicated switch on the frontpanel.



There are four line and two digital inputs, the latter drive the optional DAC-module. The signal is fed directly to the blue Alps-pot via the input selector and then sent through the active electronics, thus the Integrated should be seen as a combination of a high sensitivity stereo power amplifier with passive preamplifier. In addition to that, there is a buffer stage for the tape recording output which carries always the signal of the chosen input. Furthermore there is a dedicated headphone amplifier which is activated when the Integrated is in stand-by. The Headphone-output-socket is located on the frontpanel and the relative circuit has been optimised for headphones with an impedance of at least 200 Ohms. It is important not to load the inputs with DC, as all stages of the amplifier are DC-coupled. A typical small amount of DC is nulled out by a DC-servo-regulator. To make the amplifier become a truly digital device, there is the optional DAC-module to be used: its current-to-voltage stage is built using a miniaturised tube for best sonic results. The digital signals of CD-players, Dat-recorders or digital Tuners may have sample-frequencies from 32 to 48 kHz, the DAC-module is automatically adjusting itself to the input frequency. The two digital inputs are switched electronically: when a signal reaches dig 1, the output-tube is heated independently from the input chosen, i.e. the tube can be pre-heated by switching on a digital signal source while a different line input is working.

FEIN

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The FEIN is our phono preamplifier that provides an additional phono-input for the Integrated amplifier as an external device. It can be used in combination with power amplifiers as well.

The frontpanel features a LED showing the operational status and a volume control. On the backpanel there are the input-and-output-sockets for the left and right channel, a ground terminal, a screw-on-socket connector for the power supply and a rotary knob for switching the input from MM- to MC-loads. The first position has an impedance suited for MM-cartridges and a sensitivity of 1mV/47kOhm with a load capacity of about 50pF. The middle position is suited for higher output MC-cartridges (0,5mV/600Ohm) while the third setting accommodates lower output MC-cartridges (0,2mV/600Ohm).

The potentiometer which controls the volume is followed by a buffer amp with a low output impedance allowing to connect longer signal leads ; thus the -FEIN- can be placed close to the turntable.

The relatively high output voltage enables the -FEIN- to drive power amplifier inputs direct: an interesting feature for those who listen only to recordings on vinyl.

The amplifier stays under current when the power supply is connected to the mains (a red LED glows on the frontpanel), but as the power consumption is very low, the -FEIN- should always remain connected in order to allow for maximum results.

We ship the preamplifier with its power supply and a granite base as support.



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