



THE ALLEGRI+
AUTOTRANSFORMER PREAMP



The preamp/control unit is the heart of any hi-fi system. The Allegri+ Passive Autotransformer preamp is a very small control unit with a very big heart. It is rated by some very critical and highly experienced high-end hi fi reviewers as the best sounding preamp at any price. It is exceptionally transparent, has absolutely no noise and enormously wide bandwidth. The Allegri+ has vanishingly low distortion, very powerful and deep bass and amazing drive throughout the audio band. Treble is crystal clear with not a hint of hardness or brashness. It just sounds right!

The nature of the transformer design eliminates the problems usually associated with resistive passive controls. At the zero dB setting the input signal is directly connected to the output. This means that the output impedance of The Allegri+ is the same as the output impedance of the source component. Further, the input impedance of The Allegri+ is equal to the input impedance of the power amplifier at this setting.

At -6dB (output voltage half the input voltage), the input impedance of The Allegri+ is four times the input impedance of the power amplifier and the output impedance of The Allegri+ is one quarter of the source impedance.

At -20dB (10 to 1), the input impedance of The Allegri+ is one hundred times the power amplifier impedance and the output impedance of The Allegri+ is one hundredth of the impedance of the source component. It is thus clear that the interconnect cable capacitance will have no effect on the performance of The Allegri+.

There are no coupling capacitors or active devices in the signal path in The Allegri + and there is no noise injecting power supply allowing for ultimate sound quality.

The Allegri+ Passive Autotransformer has a six position input selector, a mute switch and a 24 position volume control with intervals chosen to cover a wide range of volume levels in different systems. Its state-of-the-art autotransformers are wound with Townshend Audio Fractal-Wire™ and laminated with ultra-thin mU metal laminations for the highest possible resolution. There are six pairs of gold plated stereo phono inputs and two pairs of outputs and a 3.5mm input jack on the front panel. The case is made of anodized aluminium.

Preamps of today do not require gain as all quality source components have an output of about 2 volts with a low output impedance. Any competent power amplifier will achieve full output with typically 1 volt and have a high input impedance. Unlike conventional passive controllers the Townshend Allegri+ matches the impedance requirements of source and amplifier so that full dynamics are retained.

Fractal-Wire™, results in the most accurate, uncoloured and open-sounding preamplifier possible – with astonishing transparency and resolution of fine detail.

DC coupled with no capacitors in the signal path.

There is a 5 year guarantee.

SPECIFICATION

Frequency response: 8Hz-100kHz +/- 0.1dB

Maximum signal level: 4V RMS 8Hz; 10V RMS 20Hz

Maximum DC offset : 5mV. (For undistorted 8Hz)

Distortion: Less than 0.01% at 400Hz, 10V (2nd and 3rd harmonic only)

Input impedance: Is dependent upon the load impedance and gain setting.

Inputs: 6 pairs of phono sockets (gold plated),
one 3.5mm stereo socket on front panel.

Outputs: 2 pairs RCA phono sockets (gold plated)

Width: 135mm (5,3in)

Height: 53mm (2.1in)

Depth: 326mm (12.8in)

Weight: 2.0kg (4.4lb)



Allegri+ attenuation table

Switch Pos	Attenuation dB
1	-52
2	-46
3	-33
4	-30
5	-28
6	-26
7	-24
8	-22
9	-20
10	-18
11	-16
12	-15
13	-14
14	-13
15	-12
16	-11
17	-10
18	-9
19	-8
20	-6
21	-4
22	-2
23	0
24	2