

STAX preamplifiers

CA-Z

All FET DC coupled NFB amp.



● It is widely recognized that the longer and more complex the signal path, the greater the danger that signal quality will be affected. The length, material, and capacitance effects of speaker cable alone have a great effect on audible sound quality.

With this in mind, we have developed a greatly simplified preamplifier, the CA-Z, eliminating all nonessential circuit components, such as tone controls, filters, and selectors. Of course this "simple is best" approach can be seen in all Stax audio equipment, but in the CA-Z we have taken it to the absolute limit.

The amplifier circuitry employs our original all FET DC configuration first introduced in the SRA-12S. We have also adopted much of the advanced technology featured in the CA-X, CA-Y, and DA-series amplifiers. Strictly selected circuit components include low distortion conductive plastic volume controls, low impedance multiple contact switches, nonmagnetic aluminum chassis and other parts, and our push-pull power supply based on the super-shunt circuit concept. Circuit layout is designed for optimum channel separation and all connections are by the shortest routes possible. This extremely simple, rational design delivers unquestionably superior sound quality with the most complex musical source material.

	CA-X	CA-Y	CA-Z
Frequency Response:			
MC	20 Hz – 20 kHz		
MM (RIAA Deviation)	20 Hz – 20 kHz (± 0.3 dB)	20 Hz – 20 kHz (± 0.3 dB)	20 Hz – 20 kHz (± 1.0 dB)
COND/TUNER/AUX	10 Hz – 1,000 kHz +0, –3 dB	0.33 Hz – 1.5 MHz (+0, –3 dB)	10 Hz – 1,000 kHz +0, –3 dB
TAPE PLAY	10 Hz – 1,000 kHz +0, –3 dB	0.33 Hz – 1.5 MHz (+0, –3 dB)	10 Hz – 1,000 kHz +0, –3 dB
SN Ratio: (IHF A network, shorted input)			
MC	68 dB (at 0.2 mV rated input)		
MM	90 dB (at 5mV rated input)	78 dB (at 2 mV rated input)	74 dB (at 2 mV rated input)
COND/TUNER/AUX	106 dB (at 100 mV rated input)	110 dB (at 143 mV rated input)	100 dB (at 100 mV rated input)
TAPE PLAY	106 dB (at 100 mV rated input)	110 dB (at 143 mV rated input)	100 dB (at 100 mV rated input)
Input Sensitivity/Impedance:			
MC	0.2 mV/100 Ω		
MM	1 mV/30 kΩ – 80 kΩ (continuously variable)	1.2 mV/47 kΩ, 2.2 mV/30 kΩ – 80 kΩ (continuously variable)	2 mV/47 kΩ
COND/TUNER/AUX	100 mV/43 kΩ	143 mV/42 kΩ	100 mV/50 kΩ
TAPE PLAY	100 mV/43 kΩ	143 mV/42 kΩ	100 mV/50 kΩ
Maximum Input Voltage: (THD 0.01% max.)			
MC	35 mV (1 kHz) rms		
MM	200 mV (1 kHz) rms	180 mV (1 kHz) rms	180 mV (1 kHz) rms
COND/TUNER/AUX	2 V (20 – 20 kHz) rms	2 V (20 – 20 kHz) rms	1 V (20 – 20 kHz) rms
TAPE PLAY	2 V (20 – 20 kHz) rms	2 V (20 – 20 kHz) rms	1 V (20 – 20 kHz) rms
Distortion: (at volume control max. 3V output level)			
MC	0.003%		
MM	0.002%	0.003%	0.005%
COND/TUNER/AUX	0.002%	0.0015%	0.002%
TAPE PLAY	0.002%	0.0015%	0.002%
Crosstalk:			
	–110 dB max./DC – 100 kHz	–70 dB/10 kHz	–75 dB max./100 kHz
Power Consumption:			
	75 W	28 W	4 W
Dimensions (W x H x D):			
	436 x 179 x 347 mm	435 x 88 x 381 mm	436 x 73 x 222 mm
Weight:			
	15.5 kg	6.0 kg	2.4 kg