LINN

High performance stereo and multi-channel pre-amplifier

KEY FEATURES INCLUDE

▌ High performance stereo and multi-channel pre-amplifier

▌ MC / MM phono stage

▌ Six analogue inputs configurable to support a multi-channel analogue input

▌ Six digital inputs with high quality DACs

▌ Digital processing of all major audio algorithms including Dolby Digital and DTS

▌ Compatible with Linn Knekt multi-room audio systems

▌ Available in black or silver finish

1

Designed for music lovers, the Akurate Kontrol pre-amplifier delivers compelling performance in stereo and can process and control multi-channel sources, providing scope for system expansion to multi-channel in the future.

Up to six stereo analogue sources can be connected, including a turntable via the on-board MC / MM phono stage, for exceptional audio performance.

The high quality DACs incorporated facilitate performance from any digital source connected, including a DVD player, satellite receiver or games console, through one of the six digital inputs.

The Akurate Kontrol pre-amplifier digitally processes all major audio algorithms, including Dolby Digital, Dolby Pro Logic II and DTS, for multi-channel audio from stereo CD or multi-channel digital formats.

The Akurate Kontrol features a built-in Knekt Line Driver and Line Receiver for full compatibility with a Linn Knekt multi-room audio system.

Available in black or silver finish, the Akurate Kontrol pre-amplifier complements other components in the Akurate System.

2

1   Akurate Kontrol pre-amplifier
2   Akurate System

AKURATE KONTROL PRE-AMPLIFIER

TECHNICAL SPECIFICATION

High performance stereo and multi-channel pre-amplifier

∎	Introduction	May 2007
∎	Product Type	Stereo and multi-channel audio pre-amplifier
∎	Dimensions	(H) 80 mm x (W) 381 mm x (D) 355 mm
		(H) 3.1 inches x (W) 15 inches x (D) 14 inches
∎	Weight	3.7 kg / 8.2 lb
∎	Control Interfaces	Remote control IR receiver
		RC5 input and output RCA connector
		KNEKT main system input
		KNEKT RCU socket
		4 x KNEKT room outputs
		2 x KNEKT IR flasher outputs
		2 x independent RS232 ports
		6 button keypad interface
		128 x 32 front panel display
∎	Analogue Audio Inputs	KNEKT main system input
		6 pairs of RCA socket inputs
		(including 5.1 group and phono stage inputs)
∎	Digital Audio Inputs	3 x TOSLINK inputs
		3 x SPDIF RCA socket inputs
		(supporting 44.1 kHz/48 kHz/88.2 kHz/
		96 kHz sample rates)
∎	Analogue Audio Outputs	7.1 RCA socket audio outputs
		1 pair of RCA socket record outputs
		4 x KNEKT room outputs
		(linked to record path)
∎	Digital Audio Outputs	1 x TOSLINK record output
		1 x SPDIF RCA socket record output
		(supporting 44.1 kHz/48 kHz/
		88.2 kHz/96 kHz sample rates)
∎	Analogue Audio Decoding	Stereo + Sub Bass Redirect,
		3 Stereo Downmix, Phantom Downmix,
		LoRo 5.1 to Stereo Downmix

∎	Digital Audio Decoding	Dolby Digital 5.1, Dolby Digital EX,
		Dolby Pro Logic II and Music mode,
		MPEG Surround, DTS Surround,
		DTS 96/24, DTS CD, DTS ES Matrix and
		Discrete, MPEG Surround, LtRt Digital
		Downmix, LIMBIK Party, AAC Stereo,
		AAC Surround, AAC Multilingual,
		adjustable lip sync delay
∎	Power Consumption	Less than 30 W
∎	Mains Supply Fuse	1 amp anti-surge (not user serviceable)
∎	Mains Supply Range	AC 100-120 V; AC 220-240 V @ 50 - 60 Hz
∎	Mains Supply Tolerance	± 10 %
∎	Phono stage	
	(set to MM as default)	
	MM Input Impedance	48 k, 68 pF
	MC Input Impedance	180 Ω, 10 nF
	MM Input Voltage	70.0 mV peak @ 1 kHz
	MC (High Gain)	5.0 mV peak @ 1 kHz
	Input Voltage	
	MC (Low Gain)	15 mV peak @ 1 kHz
	Input Voltage	
	MM Input Gain	+40 dB (x 100) @ 1 kHz
	MC (High Gain)	+64 dB (x 1500) @ 1 kHz
	MC (Low Gain)	+54 dB (x 500) @ 1 kHz
	MM Signal-to-noise Ratio	Better than -104 dB
	MC Signal-to-noise Ratio	Better than -90 dB
∎	Analogue Input Impedance	10 kΩ nominal (unbalanced)
∎	Input Signal (max)	+ 10 dBv
∎	Output Impedance	330 Ω nominal (unbalanced)
∎	Peak Output Signal	+ 10 dBv
∎	Volume Range	- 80 dB to + 20 dB
		(0 - 100 scale range in 0.5 dB steps)
∎	Frequency Response	5 Hz to 100 kHz
∎	Finishes	Silver, Black