



CHAKRA POWER AMPLIFIERS (PREVIEW)
SPECIFICATION
Range of high performance stereo or multi-channel power amplifiers

KEY FEATURES

- New CHAKRA high efficiency audio circuitry offers increased power, reliability and efficiency.
- ‘Silent Power’ Switch Mode Power Supply is more efficient and far more compact than traditional power supplies
- Choice of RCA Phono or Balanced XLR input connectors
- 4 mm binding posts accept a range of standard loudspeaker connectors
- Accepts and auto-senses Linn AKTIV crossover cards
- Automatic on/off – signal sensing circuitry detects the presence of an audio signal, and reverts to standby when the signal is absent
- Mains supply that operates from 90 Vac to 253 Vac @ 50-60 Hz

The CHAKRA** range is a series of high performance power amplifiers built around and named after Linn’s latest high-efficiency CHAKRA amplifier topology. Suited for a variety of applications from stereo to multi-channel and from passive to AKTIV**, the CHAKRA range is designed to offer consistent performance, controlled ‘silent power’ and pure sound in virtually any performance entertainment system.

The range comprises a total of eight models differentiated by number of channels and power output per channel. For more information on individual models, see overleaf.

CHAKRA is a simple but highly innovative design, perfected by Linn through precision engineering. It offers significantly increased power, reliability and efficiency, whilst at the same time producing less heat, less distortion and using fewer components. In short, the new CHAKRA amplifier topology is superior in every parameter through simplicity.

Throughout the new range, Linn’s proprietary, audio-optimised Switch Mode Power Supply (SMPS) technology generates stable, low noise power rails for the audio circuitry, with higher mains noise isolation and efficiency than the very bulky and noisy conventional power supplies.

All models are available with either Balanced XLR or RCA Phono input connectors and feature 4 mm binding posts for loudspeaker connectors using 4 mm banana plugs and 6 mm or 8 mm spades. In addition, models throughout the range are capable of housing AKTIV crossover cards.



1



2



* patent pending
 ** The term ‘AKTIV’ refers to the proprietary Linn active modules and loudspeaker configuration
 † for more information on the CHAKRA technology, see the CHAKRA White Paper available on-line at www.linn.co.uk

1 CHAKRA 3100
 2 CHAKRA 4200
 3 CHAKRA 4200

CHAKRA POWER AMPLIFIERS (PREVIEW)

TECHNICAL SPECIFICATION

Range of high performance stereo or multi-channel power amplifiers

Model:	C2100	C3100	C4100	C5100	C6100	C2200	C3200	C4200
Type	Two channel power amplifier	Three channel power amplifier	Four channel power amplifier	Five channel power amplifier	Six channel power amplifier	Two channel power amplifier	Three channel power amplifier	Four channel power amplifier
Dimensions	W 381 mm, D 355 mm, H 80 mm incl. feet W 15 inches, D 14 inches, H 3 inches (approx)	W 381 mm, D 355 mm, H 80 mm incl. feet W 15 inches, D 14 inches, H 3 inches (approx)	W 381 mm, D 355 mm, H 80 mm incl. feet W 15 inches, D 14 inches, H 3 inches (approx)	W 381 mm, D 355 mm, H 80 mm incl. feet W 15 inches, D 14 inches, H 3 inches (approx)	W 381 mm, D 355 mm, H 80 mm incl. feet W 15 inches, D 14 inches, H 3 inches (approx)	W 381 mm, D 355 mm, H 80 mm incl. feet W 15 inches, D 14 inches, H 3 inches (approx)	W 381 mm, D 355 mm, H 80 mm incl. feet W 15 inches, D 14 inches, H 3 inches (approx)	W 381 mm, D 355 mm, H 80 mm incl. feet W 15 inches, D 14 inches, H 3 inches (approx)
Weight	5 kg / 11 lb 6 oz	6 kg / 13 lb 4 oz	6 kg / 13 lb 14 oz	7 kg / 14 lb 6 oz	7 kg / 14 lb 11 oz	6 kg / 12 lb 11 oz	7 kg / 14 lb 8 oz	7 kg / 15 lb 4 oz
Input Connectors (Phono models)	RCA Phono	RCA Phono	RCA Phono	RCA Phono	RCA Phono	RCA Phono	RCA Phono	RCA Phono
Input Connectors (Balanced models)	XLR	XLR	XLR	XLR	XLR	XLR	XLR	XLR
Output Connectors	4 mm banana / binding post	4 mm banana / binding post	4 mm banana / binding post	4 mm banana / binding post	4 mm banana / binding post	4 mm banana / binding post	4 mm banana / binding post	4 mm banana / binding post
Fuse Rating	250 V, T10 A	250 V, T10 A	250 V, T10 A	250 V, T10 A	250 V, T10 A	250 V, T10 A	250 V, T10 A	250 V, T10 A
Mains Input Range	100-120 Vac 220-240 Vac	100-120 Vac 220-240 Vac	100-120 Vac 220-240 Vac	100-120 Vac 220-240 Vac	100-120 Vac 220-240 Vac	100-120 Vac 220-240 Vac	100-120 Vac 220-240 Vac	100-120 Vac 220-240 Vac
Mains Frequency Range	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
Max. Continuous Input Power	300 W	300 W	300 W	300 W	300 W	300 W	300 W	300 W
Input Power - Standby	10 W (Phono) 11 W (XLR)	11 W (Phono) 12 W (XLR)	13 W (Phono) 14 W (XLR)	14 W (Phono) 15.5 W (XLR)	14.5 W (Phono) 17 W (XLR)	16 W (Phono) 17.5 W (XLR)	19 W (Phono) 19.5 W (XLR)	20 W (Phono) 22 W (XLR)
Gain (Phono models) Adjustable for AKTIV (dB)	25.6, 26.6, 27.6, 28.6*, 29.6, 30.6, 31.6, 32.6	25.6, 26.6, 27.6, 28.6*, 29.6, 30.6, 31.6, 32.6	25.6, 26.6, 27.6, 28.6*, 29.6, 30.6, 31.6, 32.6	25.6, 26.6, 27.6, 28.6*, 29.6, 30.6, 31.6, 32.6	25.6, 26.6, 27.6, 28.6*, 29.6, 30.6, 31.6, 32.6	25.6, 26.6, 27.6, 28.6*, 29.6, 30.6, 31.6, 32.6	25.6, 26.6, 27.6, 28.6*, 29.6, 30.6, 31.6, 32.6	25.6, 26.6, 27.6, 28.6*, 29.6, 30.6, 31.6, 32.6
Gain (Balanced models) Adjustable for AKTIV (dB)	19.6, 20.6, 21.6, 22.6*, 23.6, 24.6, 25.6, 26.6	19.6, 20.6, 21.6, 22.6*, 23.6, 24.6, 25.6, 26.6	19.6, 20.6, 21.6, 22.6*, 23.6, 24.6, 25.6, 26.6	19.6, 20.6, 21.6, 22.6*, 23.6, 24.6, 25.6, 26.6	19.6, 20.6, 21.6, 22.6*, 23.6, 24.6, 25.6, 26.6	19.6, 20.6, 21.6, 22.6*, 23.6, 24.6, 25.6, 26.6	19.6, 20.6, 21.6, 22.6*, 23.6, 24.6, 25.6, 26.6	19.6, 20.6, 21.6, 22.6*, 23.6, 24.6, 25.6, 26.6
Input Impedance	7K5 Ω (Phono) 7K8 Ω (XLR)	7K5 Ω (Phono) 7K8 Ω (XLR)	7K5 Ω (Phono) 7K8 Ω (XLR)	7K5 Ω (Phono) 7K8 Ω (XLR)	7K5 Ω (Phono) 7K8 Ω (XLR)	7K5 Ω (Phono) 7K8 Ω (XLR)	7K5 Ω (Phono) 7K8 Ω (XLR)	7K5 Ω (Phono) 7K8 Ω (XLR)
Input Level for Clipping (Phono models)	755 mV rms	755 mV rms	755 mV rms	790 mV rms	790 mV rms	790 mV rms	1.1 V rms	1.1 V rms
Input Level for Clipping (Balanced models)	1.51 V rms	1.51 V rms	1.58 V rms	1.51 V rms	1.51 V rms	2.2 V rms	2.2 V rms	2.2 V rms
Harmonic Distortion	< 0.01%	< 0.01%	< 0.01%	< 0.01%	< 0.01%	< 0.01%	< 0.01%	< 0.01%
Maximum Output	100 W rms into 4 Ω	100 W rms into 4 Ω	100 W rms into 4 Ω	100 W rms into 4 Ω	100 W rms into 4 Ω	200 W rms into 4 Ω	200 W rms into 4 Ω	200 W rms into 4 Ω
Power (per channel)	56 W rms into 8 Ω	56 W rms into 8 Ω	56 W rms into 8 Ω	56 W rms into 8 Ω	56 W rms into 8 Ω	111 W rms into 8 Ω	111 W rms into 8 Ω	111 W rms into 8 Ω
Load Tolerance	Unconditionally stable into all loudspeaker loads	Unconditionally stable into all loudspeaker loads	Unconditionally stable into all loudspeaker loads	Unconditionally stable into all loudspeaker loads	Unconditionally stable into all loudspeaker loads	Unconditionally stable into all loudspeaker loads	Unconditionally stable into all loudspeaker loads	Unconditionally stable into all loudspeaker loads
Frequency Response	1.4 Hz to 41 kHz	1.4 Hz to 41 kHz	1.4 Hz to 41 kHz	1.4 Hz to 41 kHz	1.4 Hz to 41 kHz	1.4 Hz to 41 kHz	1.4 Hz to 41 kHz	1.4 Hz to 41 kHz
Peak Output Voltage	28.9 V	28.9 V	30.1 V	30.1 V	30.1 V	41 V	41 V	41 V

* Default setting

The above information is subject to change without prior notice.

Linn Products Ltd

Glasgow Road, Waterfoot, Eaglesham, Glasgow G76 0EQ, Scotland, UK.

Telephone: +44 (0) 141 307 7777, Facsimile: +44 (0) 141 644 4262, Helpline: 0500 888909, E-mail: helpline@linn.co.uk, Website: www.linn.co.uk

Linn Products Inc

8787 Perimeter Park Boulevard, Jacksonville FL 32216, USA.

Telephone: +1 (904) 645 5242, Facsimile: +1 (904) 645 7275, Helpline: 888-671-LINN, E-mail: helpline@linninc.com, Website: www.linninc.com

Linn Deutschland GmbH

Albert-Einstein-Ring 19, 22761 Hamburg, Deutschland.

Telephone: +49 (0) 40-890 660-0, Facsimile: +49 (0) 40-890 660-29, E-mail: info@linngmbh.de, Website: www.linn.co.uk

Linn Records Ltd

Glasgow Road, Waterfoot, Eaglesham, Glasgow G76 0EQ, Scotland, UK.

Telephone: +44 (0) 141 303 5435, Facsimile: +44 (0) 141 303 5007, Helpline/Mail order: +44 (0) 141 303 5027, E-mail: records@linn.co.uk,

Website: www.linnrecords.com

© 2005, Linn Products Limited. All rights reserved.

Linn, the Linn logo, AKTIV and CHAKRA are trade marks of Linn Products Limited, registered in at least the UK and/or the EU.

Pack 1068 (02/05)