

# KA SERIES: LOW COST, NO COMPROMISE!

Australian Monitor set out to design and build quality in a high performance competitively priced 2ru amplifier. And here it is! Our newest range offers serious amplifiers at not so serious prices.

Nightclubs, Churches, Schools, Theatres, Conference Centres, Clubs, Touring Companies... will all enjoy the performance and reliability of the KA series.



Some of the Features you normally only see in more expensive amplifiers

- Optional high pass, low pass and limiter cards
- 2 ru, heavy duty chassis
- 21 position detented attenuators
- 1 watt and clipping indicators
- Dual, twin speed axial fans
- Balanced Inputs and buffered attenuators
- Binding Posts and Speakon output connectors
- Stereo, bridged and mono operation

**Protection**

- Independent rail fuses
- Input muting at turn on
- Input over voltage protection
- RF interference suppression
- Short circuit protection and indication
- Thermal overload protection and indication
- Layout, grounding, decoupling and componentry have been optimised to provide stability, reliability and longevity.

**Available in 3 Models**

- KA800 - 455 + 455 watts @ 4 ohms
- KA1200 - 680 + 680 watts @ 4 ohms
- KA1500 - 810 +810 watts @ 4 ohms

SPECIFICATIONS	KA800	KA1200	KA1500
Output Power per channel	295 watts 8 ohm, 455 watts 4 ohm	440 watts 8 Ω, 680 watts 4 Ω	500 watts 8 Ω, 810 watts 4 Ω, 1050 watts 2 Ω
Output Power bridge mode	590 watts 16 ohm, 910 watts 8 ohm	800 watts 16 Ω, 1600 watts 8 Ω	1000 watts 16 Ω, 1600 watts 8 Ω, 2100 watts 4 Ω
Output Impedance @ 1 kHz	<0.030 ohms	<0.025 Ω	<0.025 Ω
Damping Factor @ 1 kHz re 8 ohms	>260:1	>320:1	>350:1
Output Rise Time	<2.8 μs (80%, leading edge of 20kHz square wave)	<2.8 μs (80%, leading edge of 20kHz square wave)	<3.5 μs (80%, leading edge of 20kHz square wave)
Slew Rate	50V per μs (leading edge, 20kHz square wave @ clipping)	60V per μs (leading edge, 20kHz square wave @ clipping)	60V per μs (leading edge, 20kHz square wave @ clipping)
Weight	Net 33 lb (15kg), Shipping 38.5 lb (17.5kg)	Net 37.5 lb (17kg), Shipping 43lb (19.5kg)	Net 41.8 lb (19kg), Shipping 47.3lb (21.5kg)
Distortion (0.5 dB below clipping re 4 ohms)	THD+N (@ 1 kHz) <0.01%	THD+N (@ 1 kHz) <0.01%	THD+N (@ 1 kHz) <0.01%
Frequency Response	20 Hz - 20 kHz < ± 0.15 dB -3dB points <10 Hz - 90 kHz	20 Hz - 20 kHz < ± 0.15 dB -3dB points <10 Hz - 90 kHz	20 Hz - 20 kHz < ± 0.15 dB -3dB points <10 Hz - 80 kHz
Input Impedance	Line to Line (Balanced) 30k ohms	Line to Line (Balanced) 30k ohms	Line to Line (Balanced) 30k ohms
Input Sensitivity (nominally)	For rated power re 8 ohm 1.26 Vrms (+4 dBu) For rated power re 4 ohm 1.10 Vrms (+3 dBu)	For rated power re 8 ohm 1.26 Vrms (+4 dBu) For rated power re 4 ohm 1.10 Vrms (+3 dBu)	For rated power re 8 ohm 1.26 Vrms (+4 dBu) For rated power re 4 ohm 1.10 Vrms (+3 dBu)
Signal/Noise ratio	"A" weighted (re 8 ohm rating) >100 dB	"A" weighted (re 8 ohm rating) >100 dB	"A" weighted (re 8 ohm rating) >105 dB
Crosstalk	@ 1 kHz (re 8 ohm rating) >90 dB	@ 1 kHz (re 8 ohm rating) >90 dB	@ 1 kHz (re 8 ohm rating) >90 dB
Dimensions	excluding handles 3.5h x 19w x 14.8d (inch) 88h x 482w x 375d (mm) including handles 3.5h x 19w x 17.7d (inch) 88h x 482w x 450d (mm) (19 inch EIA rack mounting, 2 units high)	excluding handles 3.5h x 19w x 14.8d (inch) 88h x 482w x 375d (mm) including handles 3.5h x 19w x 17.7d (inch) 88h x 482w x 450d (mm) (19 inch EIA rack mounting, 2 units high)	excluding handles 3.5h x 19w x 14.8d (inch) 88h x 482w x 375d (mm) including handles 3.5h x 19w x 18.3d (inch) 88h x 482w x 465d (mm) (19 inch EIA rack mounting, 2 units high)

For full technical information on the AM series amplifiers, please call your local Audio Telex branch and request a data sheet. Alternatively utilise our web site at [www.audiotelex.com.au](http://www.audiotelex.com.au)



# K SERIES

## STUDIO, TOURING & MULTI CHANNEL AMPLIFIERS

### 1K2 - Whisper Quiet, Sonically Superior

The Australian Monitor 1K2 is without doubt one of the best sounding amplifiers on the market today. This model is built to touring standard but is equally at home in a recording or mastering studio. The K series are for those who demand nothing but the best. Whether you are on the road or in the studio, you won't find a better sounding amplifier.

**Features Include**

- Unrivalled sonic performance • 2ru • Even weight distribution • Optional plug in EQ, limiter and filter modules

**1K2 Specifications**

Output Power	430w per channel @ 8 ohms; 650w per channel @ 4 ohms; 700w per channel @ 2 ohms
THD	<0.005% @ 1kHz 4 ohms
Freq. Response	20Hz-20kHz +- 0.15dB
Damping Factor	500:1 @ 1kHz 8 ohms
Crosstalk	90dB @ 1kHz
Weight Net	19kg
Weight Shipping	21.5kg
Dimensions	Excluding handles 482 x 86 x 375mm; Including handles 482 x 88 x 455mm



### NEW KMa750... Compact, Well Featured and Sonically Superior

The KMa750 offers the build quality, reliability and superior sound quality that Australian Monitor has become renowned for around the world. The KMa750 features six individually matched, precision Mosfet amplifiers rated at 165 watts into four ohms (all channels driven), in a compact 2 RU chassis. Though its 165 watts per channel is a modest rating the dynamic power ability of the KMa750 is nearly 3dB greater at 235 watts, resulting in an incredible level of performance. This unit also features microprocessor's controlling the status display and cooling functions. Channels three and four can be bridged to deliver 300 watts into 8 ohms. An inbuilt subwoofer filter (120Hz) is included for this bridged output. This filter can be conveniently engaged via a rear panel switch when required.

The convenience continues with the addition of the KMT750 which converts the outputs of the KMa750 to 100V, 70V or isolated 125 watt at 8 ohm outputs. The KMT750 includes 6 x transformers and a high pass filter for each output to alleviate transformer saturation at the speakers. Simply connect all six outputs of the KMa to the inputs of the KMT and then feed your speakers from the KMT750.

This convenient package is ideal for any installation or hire situation that calls for multi channel amplification where superior sonic qualities and reliability

are a pre-requisite. Examples of such applications include; nightclubs, hotels, function rooms /conference centres and soundscapes/surround sound.

PARAMETER	REFERENCE	VALUE
Frequency Response	20 Hz / 20 kHz	-0.2 / -0.17 dB
Damping Factor	1kHz / 8 ohm Rating	> 400:1
Output Impedance	@ 1kHz	< 0.020 ohms
Input Impedance	Balanced	45k ohms
Input Sensitivity	1kHz / 8 ohm Rating	1.23 Vrms (+4.0 dBu)
Input CMRR	1kHz / 8 ohm Rating	> 60 dB
Slew Rate	Leading edge	> 35V per (S
Signal to Noise re 8 ohm Rating	> 100dB ("A" weighted)	
Crosstalk	1kHz / 8 ohm Rating	> 70dB
THD+N @ 1kHz	0.5dB below clipping	<0.005%
Weight	Net = 14kg	Shipping = 17kg
Dimensions inc handles (WxHxD)	483 x 88.5 x 455mm	



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Australian Monitor Partial Users List

- Sydney Opera House, Australia • Federal Parliament House, Australia • Adelaide Festival Theatre, Australia • Calgary Stampede, Canada • Kings Park Rugby Stadium, South Africa • Homebush Transport Centre, Australia • Homebush Athletic Track, Australia • Pyramid Club, Kuala Lumpur • The Gate Night Club, Australia • Hasanah Mosque, Singapore • Ibis Hotel Homebush, Australia • Crown Casino, Australia • The New Church, Amsterdam • Comedy Train, Amsterdam • The Gabba, Australia • Hewlett Packard, Netherlands • The Free Fall Theatre, Netherlands • Charles Sturt University, Australia • Crows Nest Basketball Stadium, Australia • Valley Girl Retail, Australia • Macquarie Centre, Australia • Captain Stirling Hotel, Australia • Sony Music, Australia • DAVE, Canada • The Record Plant, USA • Music Grinder, USA • Hollywood Sound, USA • Nissho, Japan • Studios 301, Australia • Down Under Studio, Netherlands • Denmark Radio, Denmark • Radio Caracus, Venezuela

# AM SERIES: PERFORMS ANYWHERE, ANYTIME

This is where our reputation and loyal customer base was founded. The AM range is our icon series. If your application is going to be a demanding one and you need an amplifier that will take plenty of punishment over a long period, look no further.

The AM series is loaded with features

- 3ru Heavy Duty Chassis
- 100V output without a line transformer (also 2, 4, 8 ohm)
- Mains Circuit Breaker
- Well regulated, high energy linear power supply
- Modular construction
- Symmetrical layout for even weight distribution
- Super Efficient Cooling System
- Twin dual speed fans

### AM1200

- Four channel power amplifier.
- 4 x 355 watts @ 4 ohms, 4 x 270 watts @ 8 ohms
- 2 x 670 watts bridged @ 8 ohms
- 3 x RU

### AM1600

- Stereo power amplifier.
- 900 + 900 watts @ 4 ohms, 525 + 525 watts @ 8 ohms.
- 1800 in bridge mode @ 8 ohms, fan cooled
- 3 x RU

### AM2400

- Dual bi-amp (4 channel) power amplifier
- 2 x 800 watts & 2 x 400 watts @ 4 ohms. 500 watts, 250 watts, 500 watts, 250 watts @ 8 ohms on channels A, B, C & D respectively.
- 1600 watt bridged @ 8 ohms (A+C), 800 watt bridged @ 8 ohms (B+D).
- Includes 2 x 2 way active crossovers and 4 x peak limiters
- 3 x RU

### AM3002

- Stereo power amplifier
- 670 + 670 watts @ 8 ohms, 1180 + 1180 watts @ 4 ohms, 1800 + 1800 watts @ 2 ohms.
- 2125 watts bridged @ 8 ohms, 3200 watts bridged @ 4 ohms
- 3 x RU



POWER AMPLIFIERS

Model	AM1200	AM1600	AM2400 (Channels A/C)	AM3002
Frequency Response 20Hz/20kHz -3dB Points	-0.3/-0.15dB 5Hz - 140kHz	-0.5/-0.15dB <10Hz - 90kHz	-0.5/-0.5dB <10Hz - 90kHz	+/- 0.25dB <10Hz - 80kHz
Damping Factor re 8Ω	>700:1	>650:1	>650:1	>400:1
Output Impedance @ 1kHz	<11 milli ohm	<13 milli ohm	<13 milli ohm	<20 milli ohm
Input Impedance @ 1kHz (Balanced)	18k ohms	18k ohms	25k ohms	30k ohms
Input Sensitivity 1kHz/8Ω Rating	1.10v (+3 dBu)	1.10v (+3 dBu)	1.23v (+4 dBu)	1.14v (+3 dBu)
Input CMRR 1kHz/8Ω Rating	>90dB	>90dB	>70dB	>90dB
Slew Rate re Leading edge	60V/μs	65V/μs	55V/μs	50V/μs
Signal to Noise re 8Ω Rating	100dB (A)	105dB (A)	100dB (A)	106dB (A)
Crosstalk 1kHz/8Ω Rating	>90dB	>90dB	>70dB	>90dB
Distortion - THD+N @ -0.5dB re 4Ω	<0.003%	<0.005%	<0.05%	<0.01%
Weight - Net	26kg	29kg	30kg	33kg
Shipping	38kg	32kg	35kg	35kg
Dimensions (mm) W x H x D	483 x 133 x 460	483 x 133 x 460	483 x 133 x 530	483 x 133 x 530

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