

STANDARD COMMUNICATIONS CONTRACT WARRANTY AGAINST DEFECTS

This warranty against defects is given by Standard Communications Pty Ltd ACN 000 346 814 (We, us, our or GME). Our contact details are set out in clause 2.7. This warranty statement only applies to products purchased in Australia. Please contact your local GME distributor for products sold outside of Australia. Local distributor details at www.gme.net.au/export.

1. Consumer guarantees

- 1.1 Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- 1.2 To the extent we are able, we exclude all other conditions, warranties and obligations which would otherwise be implied.

2. Warranty against defects

- 2.1 This warranty is in addition to and does not limit, exclude or restrict your rights under the Competition and Consumer Act 2010 (Australia) or any other mandatory protection laws that may apply.
- 2.2 We warrant our goods to be free from defects in materials and workmanship for the warranty period (see warranty table) from the date of original sale (or another period we agree to in writing). Subject to our obligations under clause 1.2, we will at our option, either repair or replace goods which we are satisfied are defective. We warrant any replacement parts for the remainder of the period of warranty for the goods into which they are incorporated.
- 2.3 To the extent permitted by law, our sole liability for breach of a condition, warranty or other obligation implied by law is limited
 - (a) in the case of goods we supply, to any one of the following as we decide –
 - (i) the replacement of the goods or the supply of equivalent goods;
 - (ii) the repair of the goods;
 - (iii) the cost of repairing the goods or of acquiring equivalent goods;
 - (b) in the case of services we supply, to any one of the following as we decide –
 - (i) the supplying of the services again;
 - (ii) the cost of having the services supplied again.
- 2.4 For repairs outside the warranty period, we warrant our repairs to be free from defects in materials and workmanship for three months from the date of the original repair. We agree to re-repair or replace (at our option) any materials or workmanship which we are satisfied are defective.

- 2.5 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint regarding our services made in good faith. If we are satisfied that the complaint is justified, and as our sole liability to you under this warranty (to the extent permitted at law), we agree to supply those services again at no extra charge to you.
- 2.6 To make a warranty claim you must before the end of the applicable warranty period (see warranty table), at your own cost, return the goods you allege are defective, provide written details of the defect, and give us an original or copy of the sales invoice or some other evidence showing details of the transaction.
- 2.7 Send your claim to:
Standard Communications Pty Ltd.
PO Box 96 Winston Hills, NSW 2153, Australia.
Tel: (02) 8867 6000 Fax: (02) 8867 6199
Email: servadmin@gme.net.au
- 2.8 If we determine that your goods are defective, we will pay for the cost of returning the repaired or replaced goods to you, and reimburse you for your reasonable expenses of sending your warranty claim to us.

3. What this warranty does not cover

- 3.1 This warranty will not apply in relation to:
 - (a) goods modified or altered in any way;
 - (b) defects and damage caused by use with non Standard Communications products;
 - (c) repairs performed other than by our authorised representative;
 - (d) defects or damage resulting from misuse, accident, impact or neglect;
 - (e) goods improperly installed or used in a manner contrary to the relevant instruction manual; or
 - (f) goods where the serial number has been removed or made illegal.

4. Warranty period

- 4.1 We provide the following warranty on GME and Kingray products. No repair or replacement during the warranty period will renew or extend the warranty period past the period from original date of purchase.

Product Type	Warranty Period
Kingray amplifiers, modulators, diplexers and filters, Kingray plug pack power supplies, Kingray Professional rack mount products.	3 years

Kingray

Specialists in TV signal amplification

DA43

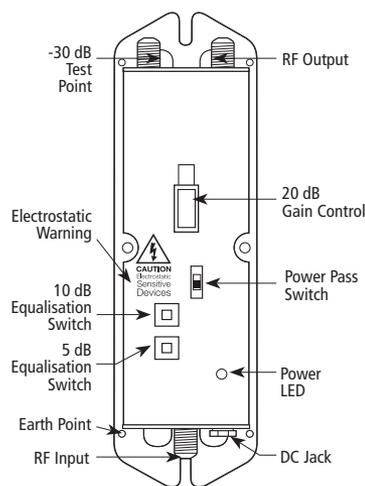
GaAs HYBRID

LAUNCH AMPLIFIER

Optimised for both digital and analogue TV signal amplification.

Thank you for selecting an Australian designed and built amplifier.

Fig. 1 (Lid removed)



The DA43 is an economical, low noise wideband distribution GaAs amplifier for use in all analogue and digital applications including as a stand alone unit or as a launch amplifier for Kingray's new professional AP package headend system. It features both gain and unique push button equalisation controls (see Fig. 1).



CAUTION: This amplifier contains devices that are sensitive to Electrostatic Discharge (ESD).

INSTALLATION

The DA43 is intended for indoor use. The amplifier may be rack mounted via KR001 or on a flat surface with screws provided.

Cable connections

The input/output cable connectors are 'F' Type.

Powering options

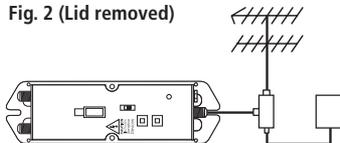
Local powering: The supply voltage (12-18 V DC) for the DA43 is supplied by the separately purchased PSK18s for powering single units or the PSK18KR for rack mounted or multiple powered units.

Line powering: Achieved via the coaxial cable RF input socket. The PSK18s/12s or PSK18KR will require a PIK01 accessory to adapt power to an 'F' connection (see Fig. 2).

A power through switch has been included to pass power to the output for line powering solutions. (Maximum through powering 0.3 amp).

Rack powering: The DA43 may be placed in the KR001 rack if required, as it can be powered via the input connector.

Fig. 2 (Lid removed)



Adjustments

Set the output level to the network calculations. Gain adjustments is 0-20 dB via control and equalisation, or tilt can be set to 5, 10 or 15 dB from 40-860 MHz depending on switch configuration.

SPECIFICATION

PARAMETER SPECIFICATION

Frequency Range	40-860 MHz
Gain	43 dB (Nominal)
Gain Control Range	20 dB
Flatness	± 2 dB
Noise Figure	< 5 dB
Return Loss	> 12 dB

EQUALISER CONTROL RANGE

Stage 1 Slope	5 dB (40-860 MHz)
Stage 2 Slope	10 dB (40-860 MHz)
Stage 3 Slope	15 dB (40-860 MHz)
Output Level	118 dBµV @ - 60 dB IMR (DIN45004B)
Supply Voltage	12-18 V DC
Current Consumption	300 mA

POWERING FEATURES

Option 1	Locally – using PSK18s/12s plug pack
Option 2	Remotely using PSK18s and PIK01 (to input or output)

Power through option input to output switchable (1 amp max)

Radiation	< 20 dBpw
Operating Temperature	-10°C to 50°C
Dimensions	195 x 55 x 35 mm
Weight	280 grams (approx)
Connectors	'F' Type

All values are typical unless otherwise specified.



AUSTRALIAN MADE



ISO 9001:2008
AU9710906
List of certified
characteristics available
at www.sgs.com



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