

INSTALLATION MANUAL

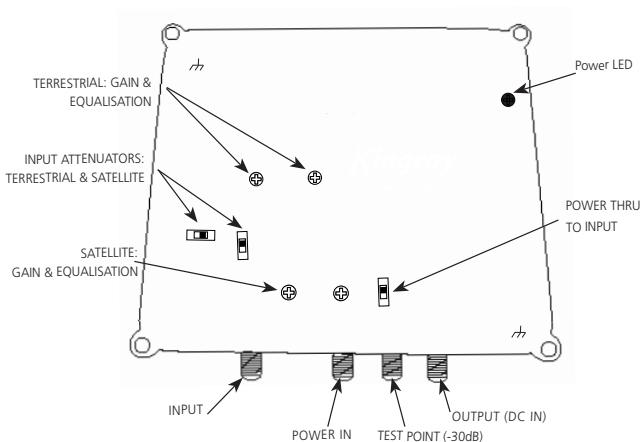
Kingray

Specialists in TV signal amplification

DSB38F

Super Broadband Amplifier 47-2400 MHz

Optimised for digital TV signal amplification.



The Kingray DSB38F is a high gain Free-to-Air & Satellite distribution amplifier for use in SMATV applications. It features a combined single input & single output connector, with adjustable gain and equalisation controls, as well as input attenuators.

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CAUTION: This amplifier contains devices that are sensitive to Electrostatic Discharge (ESD).
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GME CONTRACT WARRANTY AGAINST DEFECTS

This warranty against defects is given by GME 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 in the case of goods we supply,
 - a) 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:

GME Pty Ltd.

17 Gibbon Rd, 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 GME 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 illegible.

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.

INSTALLATION

The DSB38F is intended for indoor use. Mount so there is free circulation of air around the amplifier and sufficient space for the cable connections.

Cable connections

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

Powering options

Local Powering: Use a PSK124F or PSK18F and connect it to the DC input F socket.

Remote Powering: Can be achieved using a Kingray Active Tap.

Adjustments

Remove lid to access the gain & equalisation pots.

Gain: Set the output level according to the network calculations. See table over for the adjustment range.

Equalisation: Set the equalisation according to the network calculations. See table over for the adjustment range.

Product Type	Warranty Period
FTA & Satellite Distribution Amplifier	3 Years

SPECIFICATIONS

Parameter		Specifications
MODEL		DSB38F
Frequency Range: Terrestrial FTA		47-862 MHz
Frequency Range: Terrestrial Satellite		950-2400 MHz
Input/Outputs		1 x Input / 1 x Outputs
Test Port		-30dB
Maximum Gain	FTA	36dB
	Satellite	41dB
Max. Input		105dB
Min. Input		70dB
Return Loss		>10dB
Gain Control		10dB
FTA Equalisation		10dB
Satellite Equalisation		10dB
Satellite Input Attenuator		-10dB
FTA Input Attenuator		-10dB
Maximum Output Level	FTA - IMB3 = 60dB (DIN450004B)	120dB
	Satellite - IMB3 = 35dB (EN50083-3)	122dB
Supply Voltage		12V or 18V DC
Max. Current Consumption		560mA @ 12V DC
		370mA @ 18V DC
Powering Options		
Option 1		Locally via a PSK124F or PSK18F
Option 2		Remotely via the RF input (800mA max.)
Dimensions in mm		183 (L) x 150 (W) x 52 (H)
Weight		880g
Connectors		'F' Type



Made in China

1300 463 463  **kingray.net.au**

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