

INSTALLATION MANUAL

Kingray

Specialists in Digital TV Distribution Solutions

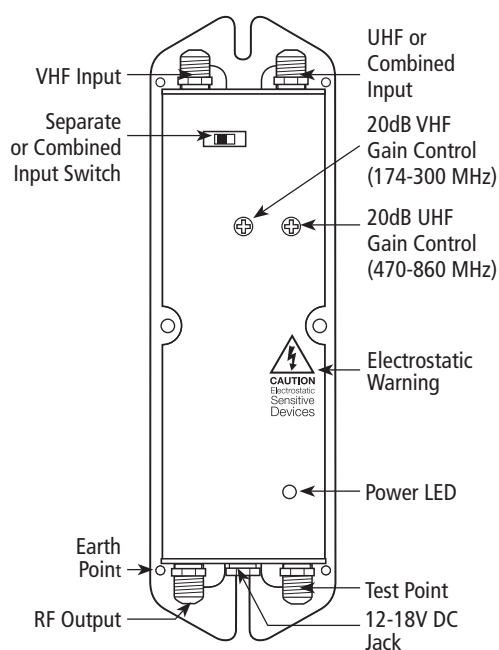
DW42

FREE-TO-AIR HYBRID DISTRIBUTION AMPLIFIER

Fig. 1 (Lid removed)

Optimised for digital TV signal amplification.

Thank you for selecting an Australian designed and built amplifier.



The DW42 is an economical, low noise

Free-to-Air distribution amplifier for use in all analogue and digital applications. It features separate or combined inputs with high output, adjustable gain and equalisation via the two mid-stage gain controls. See Fig. 1.



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

WARNING: Do not connect power directly into the input sockets otherwise damage will occur.

INSTALLATION

The DW42 is intended for indoor use. Mount the amplifier on a flat surface with the screws provided. An Earth Point has also been included if required.

Cable connections

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

Powering options

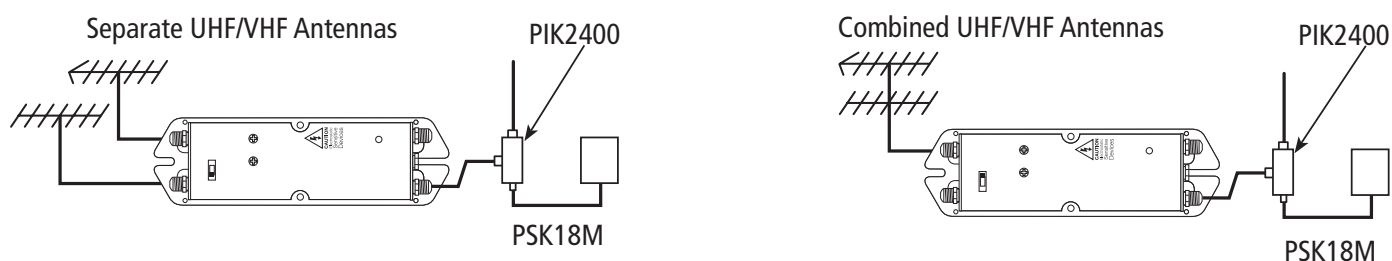
Local powering: The supply voltage (12-18V DC) for the DW42 is supplied by the separately purchased PSK18S or PSK12S for powering.

Line powering: Achieved via the coaxial cable RF output socket. The PSK18M requires a PIK2400 accessory to adapt the power to an 'F' connection (Fig. 2).

Adjustments

Remove lid to set the output level and select input options.

(Fig. 2)



SPECIFICATIONS	
PARAMETER	SPECIFICATION
Frequency Range	174-300 MHz 37dB max 470-860 MHz 40dB max
Gain Control Range	20dB (for each frequency range)
Flatness	± 2dB
Noise Figure	< 6dB
Return Loss	>10dB
Output Level	118dB μ V @ -60dB IMR (DIN45004B)
Supply Voltage	12-18V DC
Current Consumption	300mA
POWERING FEATURES	
Option 1	Locally – using PSK18S or PSK12S plug pack
Option 2	Remotely using PSK18M & PIK2400
Radiation	< 20dB pw
Operating Temperature	-10°C to 50°C
Dimensions	195 x 55 x 35mm
Weight	280 grams (approx)
Connectors	'F' Type
All values are typical unless otherwise specified.	

GME 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 DW42 Amplifier	3 years



ISO 9001:2015
AU97\0906
List of certified
characteristics available
at www.sgs.com



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

A division of GME Pty Ltd.

Head Office: PO Box 96, Winston Hills, NSW 2153, Australia.

New Zealand: PO Box 58446 Botany, Auckland, 2163,

NZ. T: (09) 274 0955.

All other international enquiries email: export@gme.net.au

Part Number: 310167 Drawing Number: 41109-14