

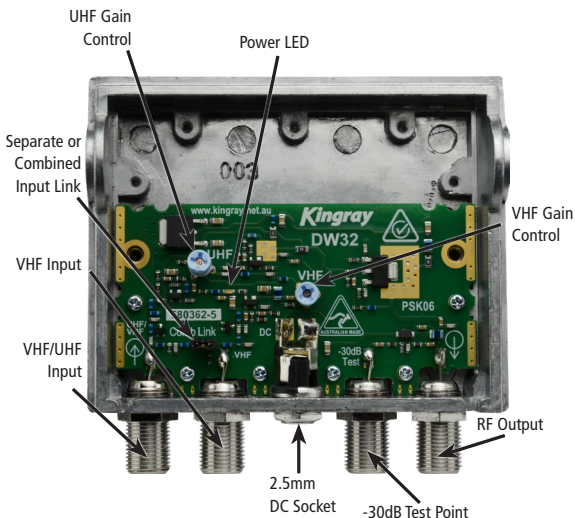
Kingray

Specialists in Digital TV Distribution Solutions

INSTALLATION MANUAL

DW32 (44–230/520–860MHz)

VHF/UHF DISTRIBUTION AMPLIFIER



Thank you for selecting an Australian designed and built distribution amplifier.

The DW32 is a Free-to-Air distribution amplifier for use in MATV multiple dwelling applications.

It features single or combined VHF/UHF inputs, separate VHF/UHF gain controls, inbuilt slope, -30dB test point and local or remote powering options.

INSTALLATION

The Kingray DW32 is primarily designed for internal applications. However, in situations where the amplifier needs to be installed externally, it can be mounted in a MHB001 weather proof housing and remotely powered.

Mount the amplifier with screws onto a vertical surface so the cable connectors point downwards. There must be free circulation of air around the amplifier and sufficient space below for the cable connections.

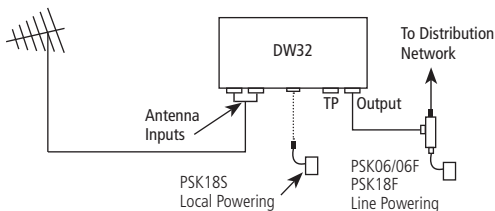
Cable connections

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

Powering options

- **Local Powering:** The supply voltage (12-18V DC) for the DW32 is supplied by the mains adaptor (PSK18S) which plugs directly into the amplifiers DC socket.
- **Line Powering:** Achieved via the coaxial cable to the RF output socket by utilising a PSK18F, PSK06 or PSK06F.

Fig. 1



SPECIFICATIONS	
PARAMETER	SPECIFICATION
Frequency Range	44-230 / 520-860MHz
Gain	27dB-32dB (sloped)
Noise Figure	<5dB
Output Level	112dBuV DIN45004B @(-60dB IMR)
Return Loss	>10dB
Gain Control Range	10dB VHF & UHF (mid stage)
Supply Voltage	12-18V DC (supplied with PSK18S)
Current Consumption	140mA
POWERING FEATURES	
Option 1	Plug pack (PSK18S, 2.5mm DC socket)
Option 2	To output port (using a power injector)
Operating Temperature	-10°C to 50°C
Dimensions	85 x 81 x 27mm
Weight	144 grams (approx)
Connectors	'F' Type

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:

GME Pty Ltd. 17 Gibbon Road, 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 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
DW32 Distribution Amplifier.	3 years



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



☎ 1300 463 463 ✈ kingray.net.au

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