

INSTALLATION MANUAL

HDTV OVER CAT5e/6 4 WAY AMPLIFIER

The CAT01 is designed to distribute HD & SD television signal (RF) over Cat 5e/6 cable. High frequency RF baluns in both the CAT01 and KLE02 leads (end converter) convert RF signals from a 75 Ohm coaxial input signal to a 100 Ohm UTP signal and back to RF again by the KLE02 lead at the end point. The amplifier has four separate RJ45 outputs each with an individual gain control. The amplifier also has an overall gain and tilt control.

INSTALLATION

Connect the RF signal to the RF input of the amplifier.

Note: If the input signal is too low it may be necessary to install a pre-amplifier (visit www.kingray.net.au for more information).

Connect the DC power supply to the DC input socket.

Make an overall loss calculation for each of the CAT5e/6 cables to be connected, the loss per 10 metres is approximately 6dB (CAT5e/6 @ 700 MHz). Adjust the respective output gain controls to compensate for losses in the cable.

Connect CAT5e/6 patch cables to the outputs of the CAT01.

Note: Ensure to leave the terminators in place on any ports that are not to be used. (PL041)

Adjust the overall gain and tilt controls to the required output.

Connect your television to the RJ45 wall socket which has been fed RF signal via the CAT01 using a KLE02 Balun transformer cable. Repeat for all televisions you wish to connect to the CAT01.

Once all televisions are connected fine adjust the output gain controls if required for optimum performance.

RECOMMENDED SIGNAL LEVELS dBuV

Number of channels	42	10	2	Measurement location
Min input level dBuV	63	63	63	Input RF signal
Min output level dBuV	87	87	87	KLE02 connected to output
Max output level	96	102	111	KLE02 connected to output

ACCESSORIES

KLE02 Balun transformer cable



Terminator PL041



19" mounting panel with blanking plate KB02



GME CONTRACT WARRANTY AGAINST DEFECTS

This warranty against defects is given by GME Pty Ltd ACN 000 346 814. 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

- 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.
- To the extent we are able, we exclude all other conditions, warranties and obligations which would otherwise be implied.

2. Warranty against defects

- 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.
- 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.
- 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, to any one of the following as we decide -
 - the replacement of the goods or the supply of equivalent goods;
 - the repair of the goods;
 - the cost of repairing the goods or of acquiring equivalent goods;
 - in the case of services we supply, to any one of the following as we decide -
 - the supplying of the services again;
 - the cost of having the services supplied again.
- 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.
- 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.

- 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.
- 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
- 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

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

4. Warranty period

- 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
CAT5e/6 4 Way Amplifier	3 years

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

A division of GME Pty Ltd.

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