

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



For more information call or visit us:



1300 463 463

kingray.net.au

A division of Standard Communications Pty. Ltd.
P.O. Box 96, Winston Hills, NSW 2153, Australia.

PERTH
P: (08) 9455 5744
F: (08) 9455 3110
E: wasales@gme.net.au

AUCKLAND
P: (09) 274 0955
F: (09) 274 0959
E: nzsales@gme.net.au

(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

INSTALLATION MANUAL

KM SERIES

MODELS KMW32FS, KMD24FS, KMU32FS

SHIELDED F TYPE MASTHEAD AMPLIFIERS

Optimised for both digital and analogue TV signal amplification.

Thank you for selecting an Australian designed F Type masthead amplifier.

VHF/UHF or UHF only Input UHF Gain Control VHF Gain Control



- A masthead amplifier is designed to amplify low signal levels for both analogue and digital applications.
- The amplifier gain should be selected to suit each individual environment.
- Best mounting location for masthead unit is on mast within 3 metres of the antenna.



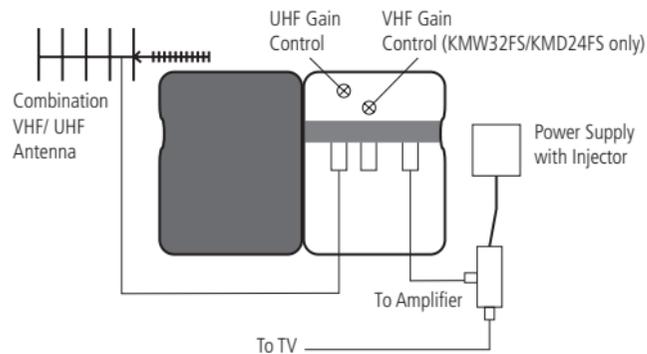
ISO 9001: 2008
AU9710906
List of certified characteristics available at www.sgs.com



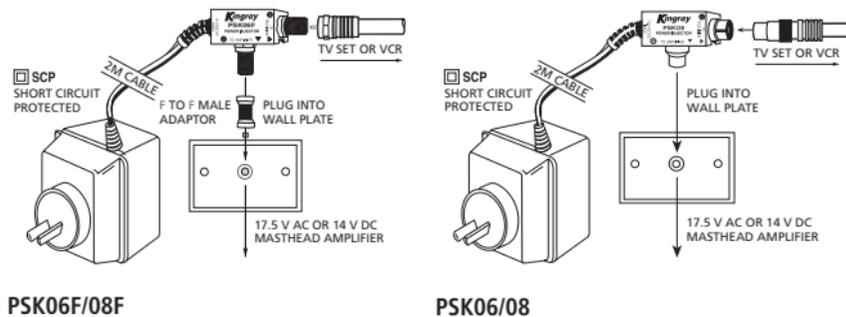
Drawing No: 45944-3
Part No: 310551

All these models are designed for combined or separate antenna inputs

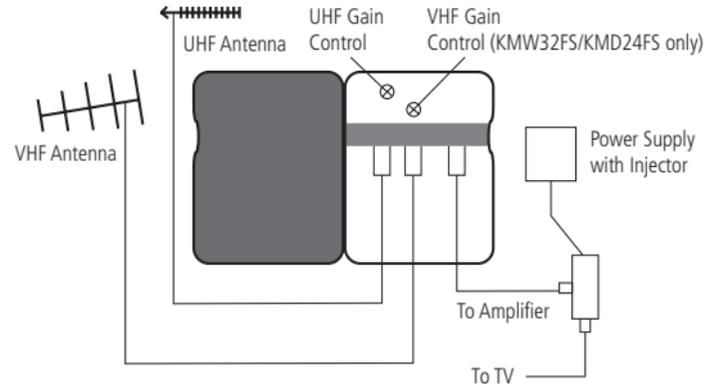
Combined Input



Connect power supply to wall plate as shown below

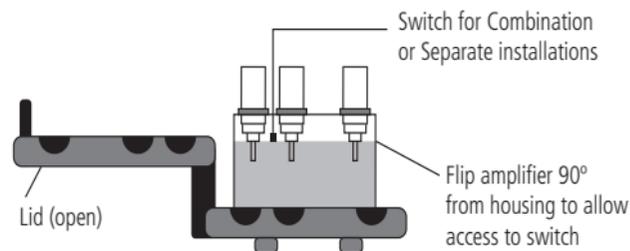


Separate Input



NOTE: There is a small switch located in between the input connectors underneath the shielding. This will need to be switched to separate when two antennas are used. The left input should then be connected to the UHF antenna whilst the right input (middle connector) should be connected to the VHF antenna.

View looking into the bottom of the housing



TECHNICAL ADVICE

- Check:** There is no earth braid touching the centre conductor on the coaxial cable. (Check if LED is on).
- Is there more than one outlet?** Check the splitter box, the power supply must be connected to the coaxial outlet that feeds the AC/DC leg of the splitter box to pass power to the head unit.
- If there is a white line moving through the picture:** Try a PSK06 14 V DC power supply.
- Adjust gain control on amplifier to achieve correct signal levels to digital receiver.

SPECIFICATIONS

	KMW32FS	KMD24FS	KMU32FS
FREQUENCY RANGE	VHF 44-230 MHz UHF 520-820 MHz	VHF 174-230 MHz UHF 520-820 MHz	VHF 44-230 MHz UHF 520-820 MHz
MAX GAIN	VHF 26 dB UHF 32 dB	VHF 15 dB UHF 24 dB	VHF -2 dB UHF 32 dB
NOISE FIGURE	VHF < 3 dB UHF < 2.5 dB	VHF < 3 dB UHF < 2.5 dB	VHF < 3 dB UHF < 2.5 dB
OUTPUT FIGURE	108 dB DIN45004B (-60 dB IMR)	108 dB DIN45004B (-60 dB IMR)	108 dB DIN45004B (-60 dB IMR)

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

- 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