

TECHNICAL ADVICE

1. **Check** there is no earth braid touching the centre conductor on the coaxial cable.
2. **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. (Check if LED is on).
3. **Is there now too much signal causing an overload effect to the VCR?** Try turning down the gain controls on the masthead unit, or select a smaller dB rating amplifier.
4. **If there is a white line moving through the picture?** Try a PSK06 14 V DC power supply.

Kingray

Optimised for both Digital and
Analogue TV Signal Amplification

INSTALLATION MANUAL

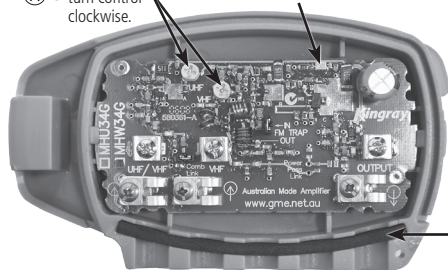
MODEL MHW34G/GDP MHU34G Masthead Amplifiers

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



For maximum
VHF/UHF gain
turn control
clockwise.

Power Indicating LED



- 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.
- Mount with polypropylene securing strap on to mast or mount to a wall with cable connectors at the bottom.
- Best Mounting location for masthead unit is on mast 30 cm to 100 cm below antenna.
- Ensure weatherproof strips remain in place.

WARRANTY

Standard Communications PTY. LTD. warrants this Kingray product to be free from defects in material and workmanship for a period of 3 years from the

date of installation and reserves the right to void warranty if unit was misused, improperly installed or damaged by claimant.

A Division of **Standard Communications PTY. LTD.**

HEAD OFFICE: Locked Bag 2086, North Ryde N.S.W. 1670

P: (02) 9844 6666, F: (02) 9844 6600

www.gme.net.au

SYDNEY

P: (02) 9879 8888

F: (02) 9816 4722

E: nswbrc@gme.net.au

MELBOURNE

P: (03) 9798 0988

F: (03) 9798 0177

E: vcbrch@gme.net.au

BRISBANE

P: (07) 3278 6444

F: (07) 3278 6555

E: qdbrc@gme.net.au

ADELAIDE

P: (08) 8234 2633

F: (08) 8234 5138

E: sabrch@gme.net.au

PERTH

P: (08) 9455 5744

F: (08) 9455 3110

E: wabrch@gme.net.au

AUCKLAND

P: (09) 274 0955

F: (09) 274 0959

E: nzbrch@gme.net.au

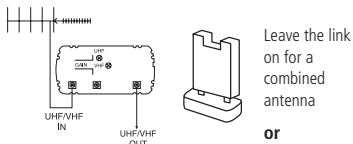
SPECIFICATIONS

Frequency Range	VHF 44-230 MHz UHF 520-820 MHz	Gain Controls	VHF Tilt Control 14-10 dB UHF 10 dB
Max Gain	VHF: 22-28 dB (W Models ONLY) UHF: 34 dB	Supply Voltage	PSK08/F 17.5 V AC and PSK06/F 14 V DC @ 80 mA (PSK02 may also be used).
Noise Figure	VHF < 3 dB UHF < 2.5 dB	MHW34G/GDP ONLY	
Output Figure	105 dB DIN45004B @ (-60 dB IMR)	Aus Pager Filter	-25 dB @ 148 MHz
		NZ Pager Filter	-25 dB @ 158 MHz
		FM Filter	-25 dB @ 88 - 108 MHz

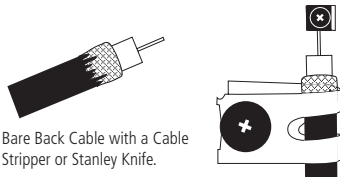
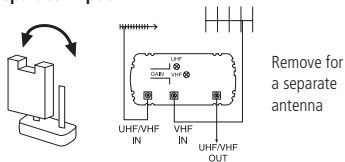
INSTALLATION

All these models are designed for combined or separate antenna inputs.

Combined Input



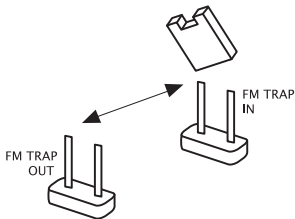
Separate Input



Bare back the cable as per diagram, pushing the earth braid back over the black sheath. Connect the earth to the saddle and the centre conductor to the screw connection.

FILTER OPTIONS

The FM and pager filter are located in the MHW models only.

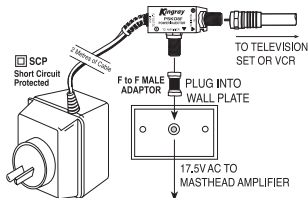


The -25 dB Band Stop FM Filter may be disabled by simply removing the shorting link and placing it on the specified terminals. The FM trap must be in the out position to view television channel 3.

Pager Filter set to attenuate between 148 - 158 Mhz. **(Pager Filter maybe removed if you need to amplify 5A, simply remove 2 coils as indicated on the PCB above the VHF input.)**

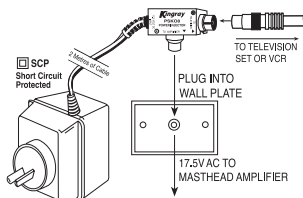
POWERING INLINE OPTIONS

Power Through Option: MHU Models only.



PSK06F/08F

The UHF Models can be used as an in-line amplifier for boosting UHF television signals on long run cable runs. To power pass connect link to both pins on socket.



PSK06/08

Please note: an F Type Adaptor has been included, in all Kingray F Type Power Supplies to fit an F Type wall plate. However, the insert from the wall plate

can be removed and the Power Injector may be fitted directly with the locking nut provided.