

## 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.

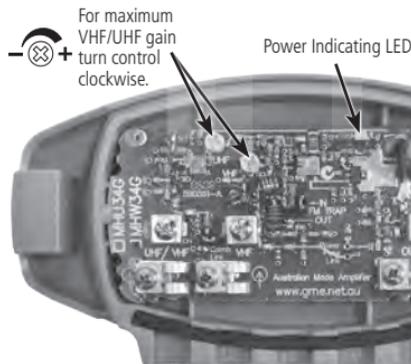
# Kingray

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.



- 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.



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Drawing No: 40565-7  
Part No. 310113

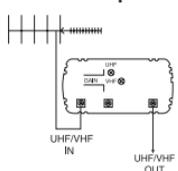
## SPECIFICATIONS

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

## INSTALLATION

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

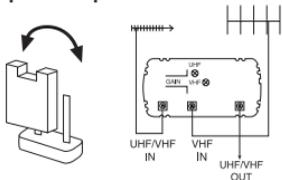
### Combined Input



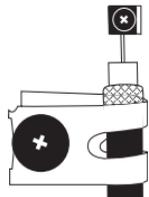
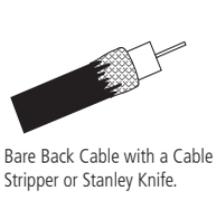
Leave the link on for a combined antenna

or

### Separate Input



Remove for a separate antenna

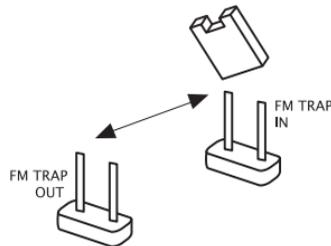


Bare Back Cable with a Cable Stripper or Stanley Knife.

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.

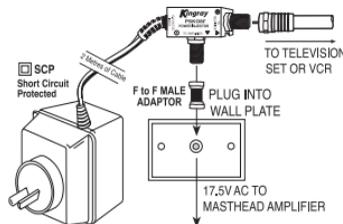


The -25 dB Band Stop FM Filter may be disabled by simply removing the shorting link and placing it on the specified terminals. The FM trap must be in the out position to view television channel 3.

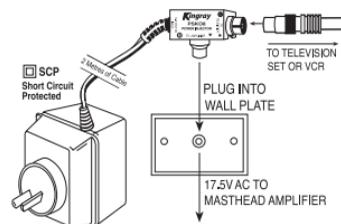
Pager Filter set to attenuate between 148 - 158 MHz. (Pager Filter maybe removed if you need to amplify 5A, simply remove 2 coils as indicated on the PCB above the VHF input.)

## POWERING INLINE OPTIONS

Power Through Option: MHU Models only.



PSK06F/08F



PSK06/08

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.

**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.