

# Kingray

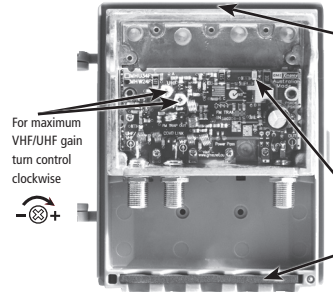
Optimised for both Digital and Analogue TV Signal Amplification

## INSTALLATION MANUAL

### MODELS MHW24F/FS Fully Shielded & Non Shielded F Type Masthead Amplifiers



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



Mount with polypropylene securing strap on to mast or mount to a wall with the four pre-drilled holes

Best Mounting location for masthead unit is on mast 300 mm to 1 metre below antenna

- 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.

For maximum VHF/UHF gain turn control clockwise



LED

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](http://www.gme.net.au)

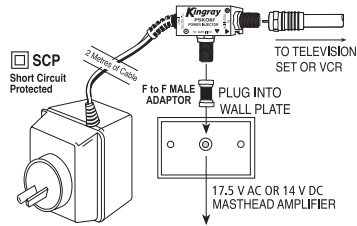
SYDNEY	MELBOURNE	BRISBANE	ADELAIDE	PERTH	AUCKLAND
P: (02) 9879 8888	P: (03) 9798 0988	P: (07) 3278 6444	P: (08) 8234 2633	P: (08) 9455 5744	P: (09) 274 0955
F: (02) 9816 4722	F: (03) 9798 0177	F: (07) 3278 6555	F: (08) 8234 5138	F: (08) 9455 3110	F: (09) 274 0959
E: nswbrch@gme.net.au	E: vcbrcb@gme.net.au	E: qdbrch@gme.net.au	E: sabrcb@gme.net.au	E: wabrch@gme.net.au	E: nzbrch@gme.net.au

## INSTALLATION CONTINUED

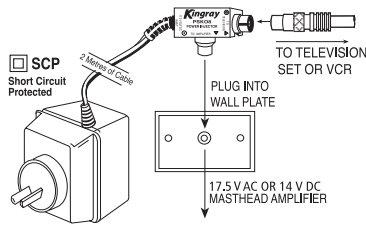
### POWERING IN-LINE OPTIONS

Power Through Option: MHU Models only.

The MHU Models can be used as an in-line amplifier for boosting UHF television signals on long cable runs. To power pass, connect link to socket labelled 'Power Pass.'



PSK06F/08F



PSK06/08

## 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 lower gain amplifier.  
**If there is a white line moving through the picture:** Try a PSK06 14 V DC power supply.

Drawing No: 42631-2

Part No: 310295

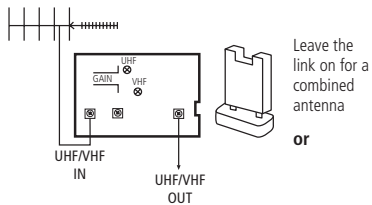
## SPECIFICATIONS

Frequency Range	VHF: 44 - 230 MHz UHF: 520 - 820 MHz	Gain Control Range	VHF: Tilt Control 7 dB - 4 dB UHF: 10 dB
Max Gain	VHF: 12 - 15 dB <i>(W Models ONLY)</i> VHF: -2 dB U Models UHF: 24 dB	Supply Voltage	PSK08/F: 17.5 V AC and PSK06/F: 14 V DC @ 60 mA
		MHW24F/FS ONLY	
Noise Figure	VHF: < 3.5 dB UHF: < 2.1 dB	Pager Filter	-25 dB @ 148 MHz and 158 MHz
Output Figure	108 dB DIN45004B @ (-60 dB IMR)	FM Filter	-25 dB @ 88 - 108 MHz

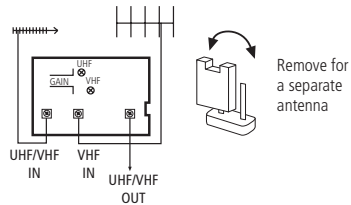
## INSTALLATION

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

Combined Input



Separate Input

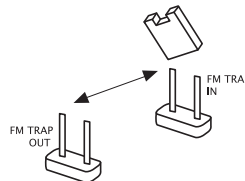


### POWER PASS LINK (MHU24 SERIES ONLY)

The MHU24 series has the ability to pass power through to the input. This is activated by attaching the shorting link provided to both pins of the 'Power Pass Link.'

## INSTALLATION

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, 4 or 5.

The pager filter is set to notch both 148 MHz for Australia and 158 MHz for New Zealand.

