STANDARD COMMUNICATIONS CONTRACT WARRANTY AGAINST DEFECTS

This warranty against defects is given by Standard Communications Pty Ltd ACN 000 346 814 (FWH), or 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

1.1 Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a repair, replacement or refund for a major failure or 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.

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 some other evidence showing details of the transaction).

2.3 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint against 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 will at our option (or another period we agree to in writing) return the goods you allege are defective.

2.4 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 repair of the services;
(iii)  the replacement of the goods or the supply of equivalent goods;
(iv)  the cost of having the services supplied again.

2.5 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint against 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 will at our option (or another period we agree to in writing) return the goods you allege are defective.

2.6 If you 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.

2.7 Send your claim to:

Standard Communications Pty Ltd.
Head Office: PO Box 96, Winston Hills, NSW 2153, Australia.
New Zealand: PO Box 58-446 Botany, Auckland, 2163, NZ. T: (09) 274 0955.
All other international enquiries email: export@gme.net.au

2.8 If an article is determined to be defective, we will be responsible 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 (f) goods where the serial number has been removed or made illegible.

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 original date of purchase.

Product Type Warranty Period

Kingray amplifiers, modulators, diplexers and filters, Kingray plug pack for over ear products, Kingray Professional rack mount products.

5 years

3.2 We warrant that our repairs to be free from defects in materials and workmanship for three months from the date of the original warranty. For three months from the date of the original warranty we agree to re-repair or replace (at our option) any materials or workmanship which we are satisfied are defective.

3.3 We warrant that our repairs to be free from defects in materials and workmanship for the remainder of the period of warranty for the goods into which they are incorporated.

3.4 To the extent permitted by law, our sole liability for breach of a contract, 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;
(iv)  the cost of transporting the goods from the place of purchase to our premises.

(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 the services supplied again.

3.5 This warranty statement only applies to products (a) goods modifed 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 (f) goods where the serial number has been removed or made illegible.
Combined or separate antenna option

When using a combination VHF/UHF antenna, make sure the link is on (DEFAULT) and the left hand input is used. For separate UHF and VHF antennas, remove link and use the left hand input for UHF, the right hand input for VHF.

Power through option (MHU models only)

The MHU models have the ability to pass power through to another amplifier in line. To pass power connect link to jumper labelled power/pass.

**Power Supply Options**

**SPECIFICATIONS**

- **Frequency range**
  - VHF: 174–230 MHz
  - UHF: 520–694 MHz
- **Gain control range**
  - 25 dB models: VHF: 22–26 dB (W models only) UHF: 35 dB
  - 35 dB models: VHF: 22–26 dB (W models only) UHF: 35 dB
- **Supply voltage**
  - PSK06F/08F
  - KPS06F/08F
  - PSK06/08
  - KPS06/08

**FM filter (MHU versions only)**

To eliminate FM radio interference, make sure both jumper links are on the ‘FM trap IN’ (DEFAULT). To amplify FM radio signals, set both jumper links to ‘FM trap OUT’.

**Combination VHF/UHF input**

When using a combination VHF/UHF antenna, make sure the link is on (DEFAULT) and the left hand input is used. For separate UHF and VHF antennas, remove the left hand input for UHF, the right hand input for VHF.

**Power through option (MHU models only)**

The MHU models have the ability to pass power through to another amplifier in line. To pass power connect link to jumper labelled powerpass.

Please see diagrams below for options. Bare back cable with a cable stripper or Stanley knife. Slide on F connector and crimp or use a twist on connector. Both models can pivot to easily access connectors.

**INSTALLATION**

The Kingray Edge series of amplifiers have several built-in filters for interference rejection. The inclusion of low band and LTE filtering (for future 4G services) in this series provides a future-proof solution. In addition, the MHU versions include filters for amateur radio and pager frequencies as well as a switchable FM radio filter. To configure the amplifier, please follow Fig 1 below.

**FM IN FM OUT**

Separate UHF and VHF inputs

Combined or separate antenna option

POWER SUPPLY OPTIONS

**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 in the amplifier).
3. **Is there now too much signal causing an overload effect?** Try turning down the gain controls on the masthead unit, or select a lower gain amplifier.
4. **There is a white line moving through the picture:** Try a PSK06 14 V DC power supply.

**Output figure**

- 108 dB
- Dtv5500b (@ 40 dB FM)

**Pager filter**

- 25 dB @ 148 MHz and 158 MHz

**Noise figure**

- 25 dB models: VHF: < 3 dB UHF: < 2.1 dB
- 35 dB models: VHF: < 3 dB UHF: < 2.1 dB

**Filter power**

- 25 dB @ 88–108 MHz
- Hand T filter 30 dB @ 44 MHz

**Power Pass**

- COMBINED LINK
- PSK06F/08F
- KPS06F/08F
- PSK06/08
- KPS06/08

**Fig 1**

**Fig 2**

**Fig 3**

**Fig 4**

Please see diagrams below for options. Bare back cable with a cable stripper or Stanley knife. Slide on F connector and crimp or use a twist on connector. Both models can pivot to easily access connectors.

**Shielded models can have lid inserted into plastic outer cover whilst installing.**