

STANDARD COMMUNICATIONS CONTRACT WARRANTY AGAINST DEFECTS

This warranty against defects is given by Standard Communications Pty Ltd ACN 000 346 814 (We, us, 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 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 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.
17 Gibbon Rd, 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
 - (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 period from original date of purchase.

Product Type	Warranty Period
Active Tap	1 years

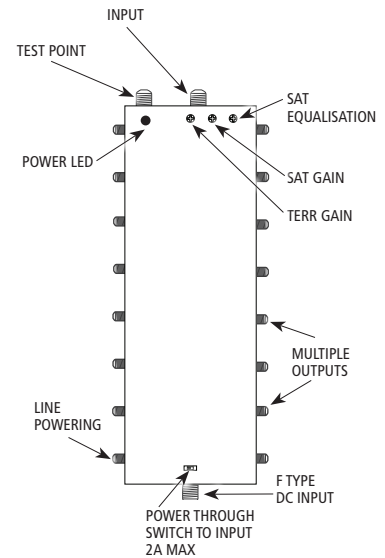


INSTALLATION MANUAL

KAT8F, KAT16F, KAT24F, KAT32F

Active Tap 47-862 & 950-2400 MHz

Optimised for digital TV signal amplification.



The Kingray Active Taps are specially designed for the distribution of terrestrial & satellite (Foxtel) services in a multiple dwelling application. They feature high output with adjustable gain and equalisation control.

.....
CAUTION: This amplifier contains devices that are sensitive to Electrostatic Discharge (ESD).
.....

INSTALLATION

The KAT8F, KAT16F, KAT24F & KAT32F are intended for indoor use.

Mount so there is free circulation of air around the active tap and sufficient space for the cable connections.

Cable connections

The input/output cable connectors are 'F' Type.

Powering options

Local Powering: Use a PSK18M and connect it to the DC input F socket.

Remote Powering: Can be achieved using a Kingray PSK183F in combination with a PIK2400 power injector.

Line Powering: Can be line powered via an output port (see powering options below).

Adjustments

Gain: Set the output level according to the network calculations. See table below for the adjustment range.

Equalisation: Set the equalisation according to the network calculations. See table below for the adjustment range.

LED Indicator

Power up via the RF input: LED is off, tap is off. Switch needs to be selected to the ON position to activate the tap.

Power up via the RF output port: LED is on, tap is active. No need to select the switch to the ON position to activate the tap. Only select the switch to the ON position to send power out via the RF input.

Power up via the DC input: LED is on, tap is active. No need to select the switch to the ON position to activate the tap. Only select the switch to the ON position to send power out via the RF input.



Made in China

Kingray

kingray.net.au

A division of GME Pty Ltd.

Head Office: PO Box 96, Winston Hills, NSW 2153, Australia T: 1300 463 463

New Zealand: PO Box 58446 Botany, Auckland, 2163, NZ. T: (09) 274 0955.

All other international enquiries email: export@gme.net.au

Drawing No: 49957-4 Part No: 311067

SPECIFICATIONS

Parameter		Specifications			
MODEL		KAT8F	KAT16F	KAT24F	KAT32F
Frequency Range: Terrestrial FTA		47-862 MHz	47-862 MHz	47-862 MHz	47-862 MHz
Frequency Range: Terrestrial Satellite		950-2400 MHz	950-2400 MHz	950-2400 MHz	950-2400 MHz
Input/Outputs		1 x Input / 8 x Outputs	1 x Input / 16 x Outputs	1 x Input / 24 x Outputs	1 x Input / 32 x Outputs
Gain	FTA	10-14dB	10-14dB	10-14dB	10-14dB
	Satellite	14dB	14dB	14dB	14dB
Flatness		+/- 2dB	+/- 2dB	+/- 2dB	+/- 2dB
Return Loss		12dB	12dB	12dB	12dB
Gain Control		14dB	14dB	14dB	14dB
FTA Equalisation		4dB Fixed	4dB Fixed	4dB Fixed	4dB Fixed
Satellite Equalisation		11dB	11dB	11dB	11dB
Maximum Output Level		96dB FTA / 97dB SAT	96dB FTA / 97dB SAT	96dB FTA & SAT	96dB FTA & SAT
Supply Voltage		12V or 18V DC	12V or 18V DC	12V or 18V DC	12V or 18V DC
Max. Current Consumption @ 12V & 18V DC		150mA / 100mA	240mA / 150mA	380mA / 250mA	430mA / 300mA
Powering Options					
Option 1		Locally via PSK18M			
Option 2		Remotely – with the use of a power injector PSK183F to RF Input Port			
Option 3		Able to line power the unit from 1 output port (varies per model, see product label)			
Dimensions in mm		295(L) x 122(W) x 54(H)	295(L) x 122(W) x 54(H)	355(L) x 122(W) x 54(H)	416(L) x 122(W) x 54(H)
Weight		580g	610g	760g	980g

Note: When using any of the active taps in a satellite multistacker system, due to the high channel loading, de-rate the active tap to use the appropriate output level.