



Kingray KMS-F1 Satellite Multistacker User Manual

[Home](#) » [Kingray](#) » Kingray KMS-F1 Satellite Multistacker User Manual 



KMS-F1 Satellite Multistacker User Manual

Contents

- [1 KMS-F1 Satellite Multistacker](#)
- [2 INTRODUCTION](#)
- [3 MAIN FEATURES](#)
- [4 INSTALLATION REFERENCE GUIDE](#)
- [5 SPECIFICATIONS](#)
- [6 SAFETY WARNING](#)
- [7 STANDARD COMMUNICATIONS WARRANTY AGAINST DEFECTS](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)
- [9 Related Posts](#)

KMS-F1 Satellite Multistacker

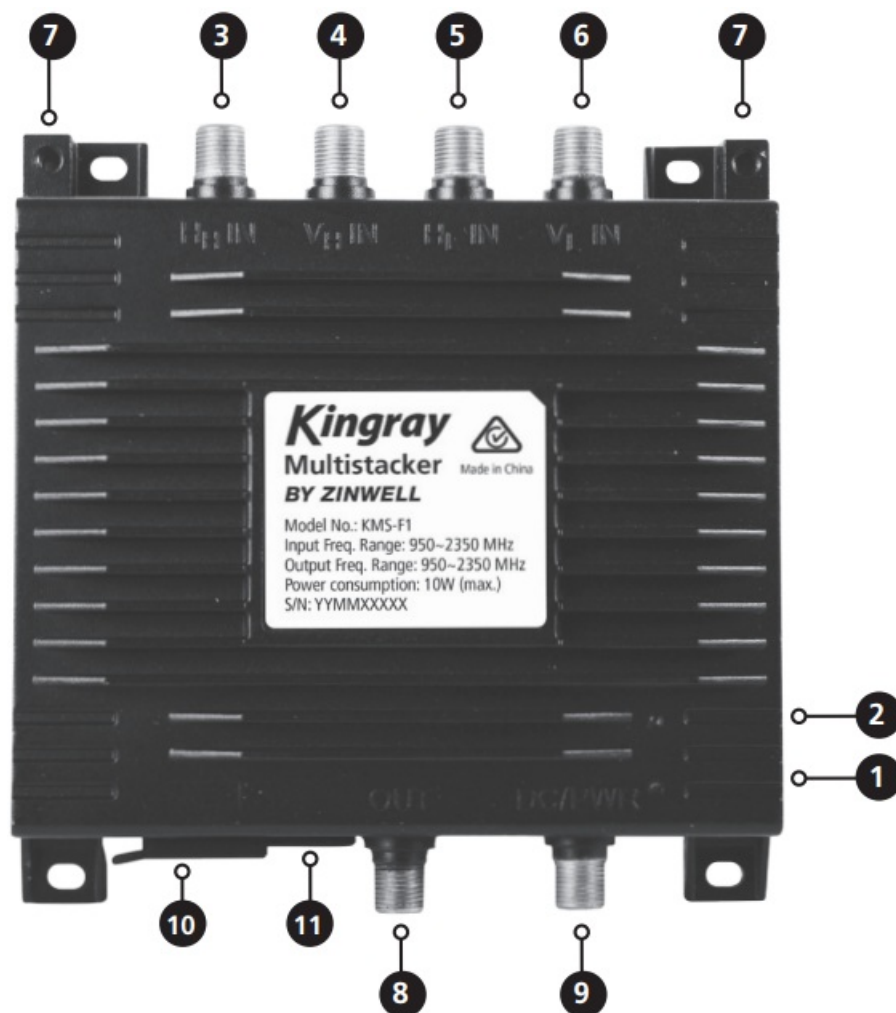
Input Frequency: Range 950~2350 MHz

Output Frequency: Range 950~2350 MHz

INTRODUCTION

Thank you for purchasing the Kingray KMS-F1 Multistacker. Please read this manual carefully prior to installation as it contains information that will ensure you achieve the best performance from your KMS-F1.

The satellite multi stacker is a standalone device that can be installed directly after a twin or quad universal vertical – horizontal LNBF. It is typically installed before the first distribution point in the SMATV system.



MAIN FEATURES

1. Power Led
2. Status Led
3. HH IN
4. VH IN
5. HL IN

6. VL IN
7. Ground
8. RF Out (12V DC Line Powering)
9. 12V DC Power In (F Connector)
10. 5 Way Dip Switch
11. Waterproof Cap

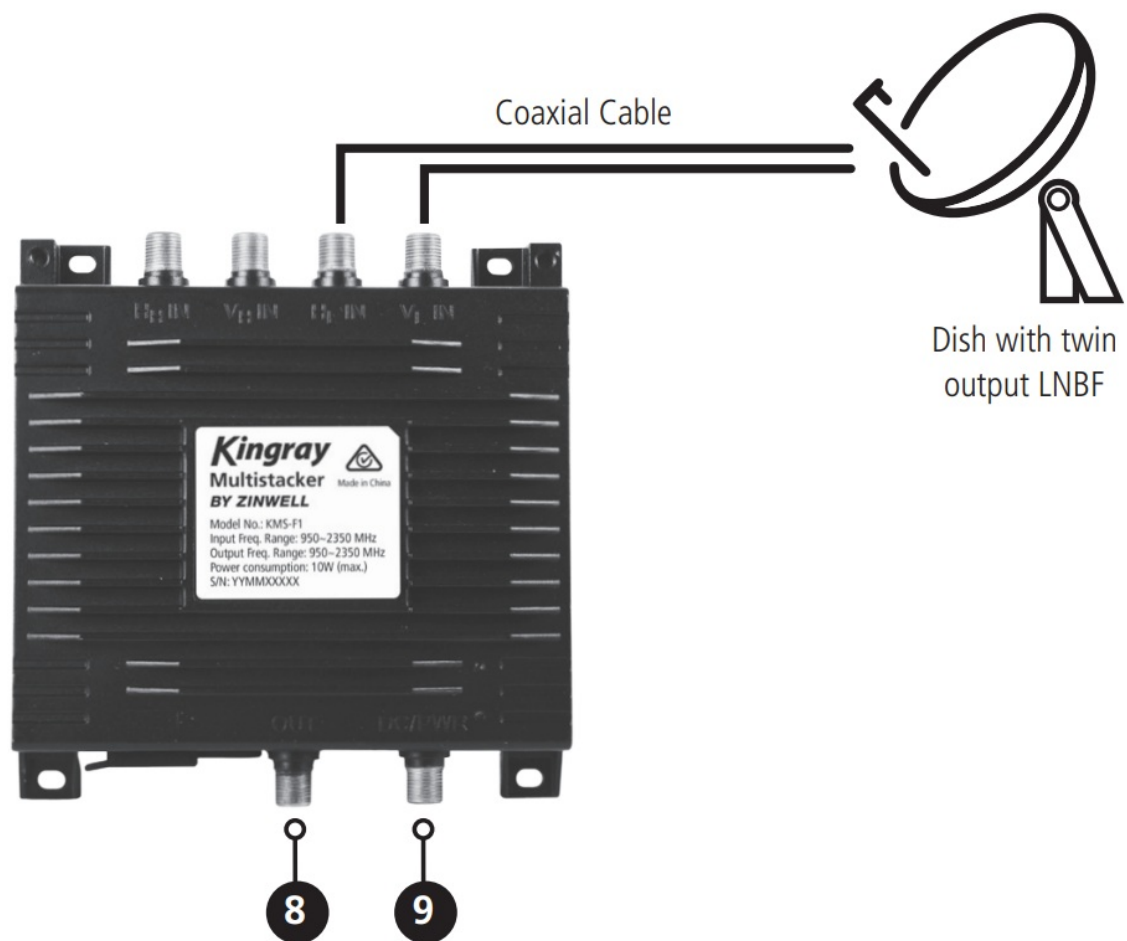
IN THE BOX



*Note: for indoor use only



INSTALLATION REFERENCE GUIDE



Note: All unused ports are to be terminated with the F-Terminators supplied.

SPECIFICATIONS

| Input Port | |
|---|--|
| Input Frequency Range | 950-2350 MHz |
| Input Ports | 4 each |
| Typical Input Power Range | 65-85dB μ V |
| Input Return Loss | > 10dB |
| Input Connectors | 75 Ω F Type (Female) each |
| Output Port | |
| Output Frequency Range | 950-2350 MHz |
| Output Port | 1 each |
| Typical Output Power Range | 80-85dB μ V |
| Output Return Loss | > 10dB |
| Output Connectors | 75 Ω F Type (Female) each |
| System | |
| Power Supply | From External Power Inserter (F Connector) |
| Input Voltage Range from DC Jack | 12 ~19 |
| DC Current Consumption (Excluding LNBs) | 0.75A @12V Max, (10W) |
| Operating Temperature | -20 $^{\circ}$ C ~ 60 $^{\circ}$ C |

SATELLITE PLANS LIST OF OPTUS D3 & C1 NON STACKED & STACKED I.F.

| Transp onder | Non-Stacked | NAT 01 | NSW 02 | VIC 03 | QLD 04 | SA 05 | WA 06 | TAS 07 | NT 08 |
|-------------------------|--------------------|---------------|---------------|---------------|---------------|--------------|--------------|---------------|--------------|
| D3T4 | 1145.0 | 2153.5 | 2070.5 | 2029.0 | 1618.0 | 979.0 | 1527.5 | 2070.5 | 2070.5 |
| D3T8 | 1311.0 | 2195.0 | 2029.0 | 1618.0 | 1527.5 | 2070.5 | 979.0 | 2029.0 | 2029.0 |
| D3T10 | 1394.0 | 2236.5 | 979.0 | 2070.5 | 2029.0 | 1527.5 | 1618.0 | 1527.5 | 1527.5 |
| D3T11 | 1435.5 | 2278.0 | 1527.5 | 979.0 | 2070.5 | 1618.0 | 2029.0 | 979.0 | 1618.0 |
| D3T12 | 1477.0 | 2319.5 | 1618.0 | 1527.5 | 979.0 | 2029.0 | 2070.5 | 1618.0 | 979.0 |
| D3T13 | 1020.5 | 1020.5 | 1020.5 | 1020.5 | 1020.5 | 1020.5 | 1020.5 | 1020.5 | 1020.5 |
| D3T14 | 1062.0 | 1062.0 | 1062.0 | 1062.0 | 1062.0 | 1062.0 | 1062.0 | 1062.0 | 1062.0 |
| D3T15 | 1103.5 | 1103.5 | 1103.5 | 1103.5 | 1103.5 | 1103.5 | 1103.5 | 1103.5 | 1103.5 |
| D3T16 | 1145.0 | 1145.0 | 1145.0 | 1145.0 | 1145.0 | 1145.0 | 1145.0 | 1145.0 | 1145.0 |
| D3T17 | 1186.5 | 1186.5 | 1186.5 | 1186.5 | 1186.5 | 1186.5 | 1186.5 | 1186.5 | 1186.5 |
| D3T18 | 1228.0 | 1228.0 | 1228.0 | 1228.0 | 1228.0 | 1228.0 | 1228.0 | 1228.0 | 1228.0 |
| D3T19 | 1269.5 | 1269.5 | 1269.5 | 1269.5 | 1269.5 | 1269.5 | 1269.5 | 1269.5 | 1269.5 |
| D3T20 | 1311.0 | 1311.0 | 1311.0 | 1311.0 | 1311.0 | 1311.0 | 1311.0 | 1311.0 | 1311.0 |
| D3T21 | 1352.5 | 1352.5 | 1352.5 | 1352.5 | 1352.5 | 1352.5 | 1352.5 | 1352.5 | 1352.5 |
| D3T22 | 1394.0 | 1394.0 | 1394.0 | 1394.0 | 1394.0 | 1394.0 | 1394.0 | 1394.0 | 1394.0 |
| D3T23 | 1435.5 | 1435.5 | 1435.5 | 1435.5 | 1435.5 | 1435.5 | 1435.5 | 1435.5 | 1435.5 |
| D3T24 | 1477.0 | 1477.0 | 1477.0 | 1477.0 | 1477.0 | 1477.0 | 1477.0 | 1477.0 | 1477.0 |
| C1T11 | 1578.0 | 1578.0 | 1578.0 | 1578.0 | 1578.0 | 1578.0 | 1578.0 | 1578.0 | 1578.0 |
| C1T12 | 1658.0 | 1658.0 | 1658.0 | 1658.0 | 1658.0 | 1658.0 | 1658.0 | 1658.0 | 1658.0 |
| C1T13 | 1698.0 | 1698.0 | 1698.0 | 1698.0 | 1698.0 | 1698.0 | 1698.0 | 1698.0 | 1698.0 |
| C1T14 | 1738.0 | 1738.0 | 1738.0 | 1738.0 | 1738.0 | 1738.0 | 1738.0 | 1738.0 | 1738.0 |
| C1T15 | 1778.0 | 1778.0 | 1778.0 | 1778.0 | 1778.0 | 1778.0 | 1778.0 | 1778.0 | 1778.0 |
| C1T16 | 1818.0 | 1818.0 | 1818.0 | 1818.0 | 1818.0 | 1818.0 | 1818.0 | 1818.0 | 1818.0 |
| C1T17 | 1858.0 | 1858.0 | 1858.0 | 1858.0 | 1858.0 | 1858.0 | 1858.0 | 1858.0 | 1858.0 |
| C1T18 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 | 1898.0 |
| C1T19 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 |
| C1T20 | 1989.0 | 1989.0 | 1989.0 | 1989.0 | 1989.0 | 1989.0 | 1989.0 | 1989.0 | 1989.0 |

STACKER SWITCH POSITION – TABLE 1

| Switch Number | 1 | 2 | 3 | 4 | 5 | STB Setting |
|---------------|-----------|-----------|-----------|-----|-----|-------------|
| NAT | OFF | OFF | OFF | OFF | OFF | NAT 01 |
| NSW + ACT | ON | OFF | OFF | OFF | OFF | NSW 02 |
| VIC | OFF | ON | OFF | OFF | OFF | VIC 03 |
| QLD | ON | ON | OFF | OFF | OFF | QLD 04 |
| SA | OFF | OFF | ON | OFF | OFF | SA 05 |
| WA | ON | OFF | ON | OFF | OFF | WA 06 |
| TAS | OFF | ON | ON | OFF | OFF | TAS 07 |
| NT | ON | ON | ON | OFF | OFF | NT 08 |

Table 1: Shows Multistacker Dip Switch settings and STB State Settings

The following tables show the vertically stacked transponders for each state throughout Australia. The multistacker is shipped with all dip switched set to the off position which is set for the national plan. This plan has higher frequencies that are used to commission an MDU – Commercial backbone before the correct state is selected. The new state is returned within 30 to 60 seconds of selecting the required plan. Meter plans have been listed on the left from 01 to 08.

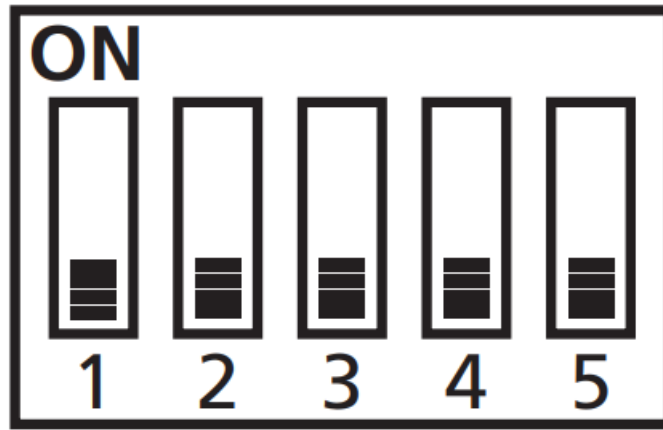
MULTISTACKER METER PLANS – TABLE 2

| METER PLAN | 12853.5 | 12895 | 12936.5 | 12978 | 13019.5 |
|------------|---------|---------|---------|---------|---------|
| S NAT 01 | G35 T4 | G34 T8 | G31 T10 | G32 T11 | G33 T12 |
| | 11679 | 12227.5 | 12318 | 12729 | 12770.5 |
| S NSW 02 | G31 T10 | G32 T11 | G33 T12 | G34 T8 | G35 T4 |
| S VIC 03 | G32 T11 | G33 T12 | G34 T8 | G35 T4 | G31 T10 |
| S QLD 04 | G33 T12 | G34 T8 | G35 T4 | G31 T10 | G32 T11 |
| S SA 05 | G35 T4 | G31 T10 | G32 T11 | G33 T12 | G34 T8 |
| S WA 06 | G34 T8 | G35 T4 | G31 T10 | G32 T11 | G33 T12 |
| S TAS 07 | G32 T11 | G31 T10 | G33 T12 | G34 T8 | G35 T4 |
| S NT 08 | G33 T12 | G31 T10 | G32 T11 | G34 T8 | G35 T4 |

Table 2: Shows vertical transponder groups stacked to the new H polarity transponder Frequency

Important Note: It is crucial that the correct plan is selected for the required state, if this is not carried out the subscriber will be missing some if not all vertical channel groups. Resulting in a “No Signal” status.

The stacker has been fitted with a 5-position dip switch which is switched to match the State installed. This allows Foxtel to make better use of Transponder space in the event that a total of 32 transponders are used.



Dip Switches on the multi-stacker are switched to match up to the state/territory it is installed in.

SAFETY WARNING

1. Indoor Use Only

To avoid the risk of fire or electric shock, do not expose the receiver to rain or moisture.

Operating temperature : -20 °C ~ 60°C

2. Overheating avoid

To prevent the multi stacker from overheating, do not operate it in an area that exceeds the maximum recommended temperature of 60 C. To prevent airflow restriction, allow adequate clearance around the multi-stacker.

3. Grounding

This equipment is intended to be grounded in a commercial application. For further information on when to ground the installation refer to Section 7.2.5 Earthing & Equipotential Bonding of the Foxtel's MDU MRE and Commercial Satellite Installation Manual FD/T/E/2207.

4. Installation

Only trained and qualified personnel should be allowed to install, replace or service this equipment. The installation of the equipment must comply with FOXTEL's installation guidelines.

Note: All statements, information, and recommendations in this manual are believed to be accurate at the time of print.

OTHER APPROVED FOXTEL MULTI-STACKER PRODUCTS FROM KINGRAY

| Description | Part No. | IPL |
|-----------------------------|----------|--------|
| 2 Way Splitter | KSP2F | F30950 |
| 3 Way Splitter | KSP3F | F30951 |
| 4 Way Splitter | KSP4F | F30952 |
| FTA/SAT Diplexer | KDPTSF | F30953 |
| 4 Way 12dB Tap | KT412F | F30954 |
| 4 Way 15dB Tap | KT415F | F30955 |
| 4 Way 20dB Tap | KT420F | F30956 |
| F Type Wall Plate | KWP11F | F30923 |
| Single Input 25dB Amplifier | SAT25S | F30948 |
| Single Input 40dB Amplifier | SAT40S | F30949 |

STANDARD COMMUNICATIONS WARRANTY AGAINST DEFECTS

This warranty against defects is given by Standard Communications Pty Ltd ACN 000 346 814 (We, us, our, or GME). Our contact details are set out in clause 2.7.

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 that 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 that 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.

PO Box 96 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 the use with non-Standard Communications products;
- (c) repairs performed other than by our authorized 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 the original date of purchase.

| Product Type |
|--|
| Satellite Multistacker & Power supply provided |

Kingray

A division of Standard Communications Pty Ltd.

Head Office: PO Box 96,
Winston Hills, NSW 2153, Australia.


New Zealand:

PO Box 58446 Botany, Auckland, 2163, NZ.

T: (09) 274 0955.

All international inquiries


email: export@gme.net.au

 1300 463 463



DN: 49563-1
PN: 311056

Documents / Resources

| | |
|---|--|
|  | <p>Kingray KMS-F1 Satellite Multistacker [pdf] User Manual KMS-F1, Satellite Multistacker, KMS-F1 Satellite Multistacker, Multistacker</p> |
|---|--|

References

-  [Kingray Australia](#)