

Kingray

The **NEW** digital solution

KDM101 - AV to digital (DVB-T) modulator



Through loss
SUPERIOR
less than
1.5 dB



The KDM101 is ideal for converting an analogue AV signal either from a satellite decoder, DVD, video surveillance camera or video door phone and modulating it into a digital format (DVB-T) for distribution in a TV cable network.

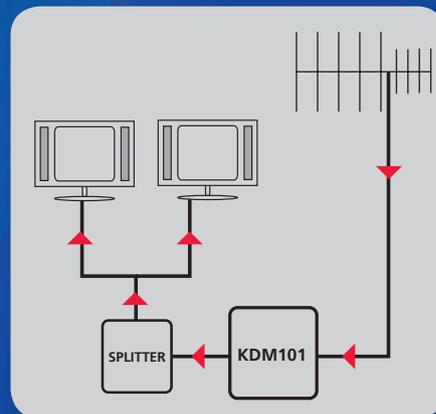
With intuitive, simple menus, the KDM101 provides quick and easy installation.

The latest intelligent electronic components combined with the latest software and hardware advances brings you a product that boasts optimum performance and reliability.

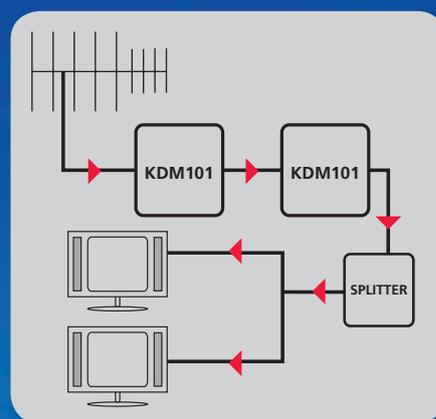
A new era in affordable, reliable and quality digital modulation.

KDM101

- > Easy to program basic and advanced menus.
- > Low insertion loss antenna input (1.5 dB).
- > Adjustable output level, frequency and offset.
- > Selectable 2K, 8K carrier.
- > Adjustable constellation, FEC and guard interval.
- > Adjustable colour, brightness, contrast and saturation.
- > Adjustable LCN, PID, NIT, PDS and TS ID.
- > Programmable channel name.
- > Variable video and audio bit rates.



Total antenna signal loss through modulator - 1.5 dB*



Total antenna signal loss through modulator - 3 dB*

*excludes splitter

Technical Specifications

INPUT

Video input	CVBS
Video input level	0.5 – 2 Vpp
Video mode	PAL
Audio input	Stereo
Audio input level	0.4 – 2.5 Vpp
Input connectors	Video (RCA or S-VHS) Audio (RCA L, R)
Input impedance	75 Ω
Antenna input	'F' Female
Antenna insertion loss	1dB

MODULATION

Video resolution	PAL 720 x 576 @ 25 fps
Video compression	MPEG2 MP@ML
Audio compression	MPEG1 Layer II
PSI/SI generation	PID, NIT, PDS and TS ID
LCN	Yes
Standard	ETSI EN 300 744 V1.5.1
Carrier	2K, 8K
Guard intervals	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Constellations	QPSK, 16 QAM, 64 QAM

OUTPUT

Frequency range	174 – 820 MHz (Aus) 470 – 862 MHz (NZ)
Output level	65-80 dBμV
Output impedance	75 Ω
Channel bandwidth	7, 8 MHz
Output level adjustment	up to 15 dB
MER	>38 dB typ.
Fine tuning	1 kHz
Connector type	'F' Female

GENERAL

Power Supply	12V DC
Temperature Range	0 ~ +45°C
Dimensions/Weight	36.5 x 150 x 150 mm / 0.310 kg



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