



TRIAX

connecting the future

TRIAX TMB 2500 / 2500UK

Terrestrial Channel Processor

Enhanced
output level

Unleash the best TV experiences with TMB 2500. The programmable Terrestrial Channel Processor is able to receive TV signals from multiple terrestrial antennas. It combines filtering, converting, level equalization and amplifying. This very compact unit is recommended for large TV distribution networks in multi-dwellings or hospitality premises to provide outstanding TV quality.

The TMB 2500 (2500UK) is the successor to the state of the art TMB 2000 (2000UK), with several improvements for even more business opportunities.

Upgraded features

- Higher gain and output level in order to connect more subscribers at the coaxial distribution network directly
- Clustering of up to 6 MUX enhances the flexibility to cover special terrestrial broadcast situations in an optimal way
- Higher selectivity for suppression of interference from adjacent channels



4G/5G



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TRIAX TMB 2500 Terrestrial Channel Processor

State of the art Programmable Multiband Amplifiers

- 5 antenna inputs: FM / 4xVHF/UHF
- Flex Matrix for more than 50 channels by 32 filters per 1...6 MUX enables individual channel processing to any output channel
- Real-time AGC separately on all multiplexes
- 50 dB suppression of adjacent channels
- Automatic switch between LTE 700-5G/800-4G rejection
- Slope to compensate frequency dependent tilt of the coax cable network
- Setup locking with security code
- Switchable remote feeding 0/12/24 VDC
- SD card slot for saving and reloading individual setup configurations

Type:	TMB 2500 (2500UK) Terrestrial Channel Processor
Art. no.	360232 (360238)
CHARACTERISTICS	
Input level - VHF/DAB	40...109dB μ V
Input level - FM	37...77dB μ V
Input level - UHF	40...109dB μ V
MER - VHF/UHF	35dB
Output level-VHF/UHF (35DB/IM3)	131dB μ V
Output level @ 1 X MUX /6 x MUX	118 / 114dB μ V
Selectivity	50dB/1MHz
Test point	-30dB
FREQUENCY	
Frequency range FM	88...108MHz
Frequency range VHF/DAB	174...240MHz
Frequency range UHF with automatic LTE selection	470...694/790/862MHz
Number of MUXes	>50 (15 filters, each filter per 1,2,3,4,5 or 6 MUXes)
GAIN	
Gain - FM	35dB
Gain - VHF	75dB
Gain - UHF	75dB
LOSS	
Attenuator-FM	0...20dB
Attenuator-VHF/UHF	Channel AGC
Attenuator sum signal	0...20dB
ELECTRICAL	
Impedance	75 Ω
OPERATIONAL	
Operating temperature range	-5...+50°C
AC Supply voltage	100...240VAC
Power Consumption (typ.)	15W
Remote supply pre-amp	12/24V, max. 100mA total at all inputs
CONNECTORS	
RF-Connector Type	F-female
Number of outputs	1x FM/DAB/VHF/UHF + 1x Test port
Main plug for PSU in 360232 (360238)	Euro plug (UK plug)
MECHANICAL	
Dimensions product (H x D x W)	165x58x165mm
Total Weight	0.815kg