

TCM-08 analogue single channel modulator unit

- Unit for 1 to 8 DSB modulator modules
- Multistandard modulator modules available in VHF and UHF
- High performance S/N ratio
- Excellent price/performance ratio
- Designed for semi-professional applications

Simply more
- more simply





8 analogue single channel modulator modules - in one unit

Ideal solution for private cable systems, hotels, institutions, and SMATV applications

The TCM-08 is a compact 8 channel modulator unit designed for simple operation and high price/performance ratio.

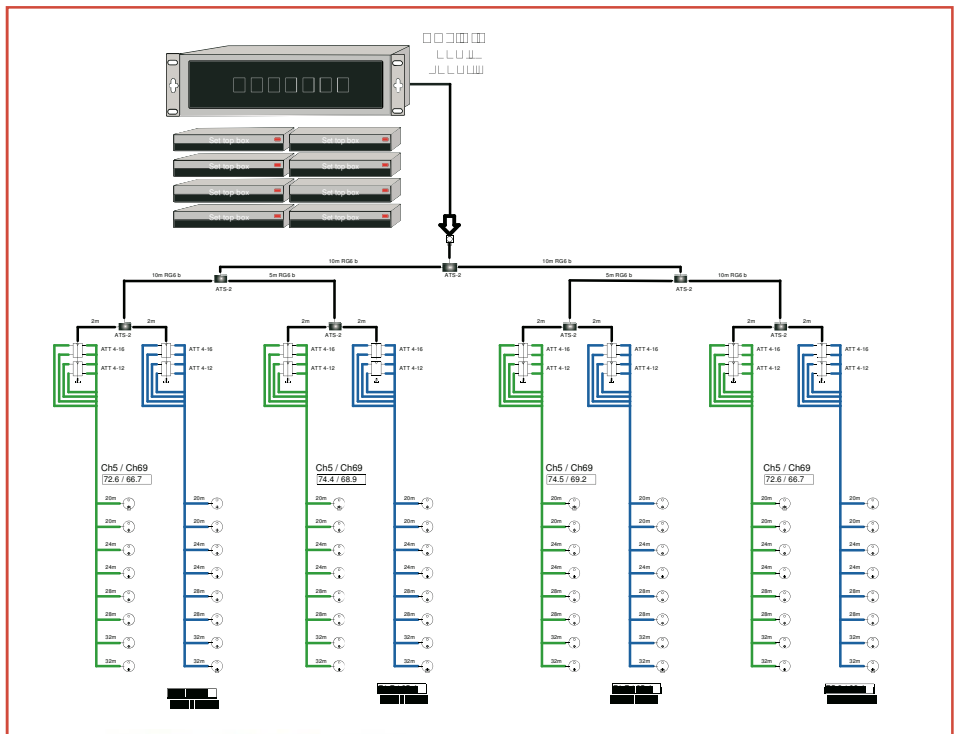
Hotels, motels, apartment buildings are typical applications for this semi-professional unit.

Having A/V sources coming from standard set-top boxes, the modulator modules deliver a number of high quality RF channels into a distribution network.

All RF cables for connecting and combining the signals are included together with the tooling for fastening the modulator modules.

TCM-08 includes:

- Slots for up to 8 DSB CM-02 modulator modules
- Switch mode power supply
- RF combiner
- Medium or high output level.
TCM-08 = 80 dB μ V
TCM-08A = 105 dB μ V
- Can be mounted on wall or in 19 inch rack
- All included except the CM02 modulator modules



The CM-02

modulator modules are designed for high performance signal quality. Programming of the output channel and setting of output level is done at each module individually by means of a DIP switch.

The CM-02 modules are easily mounted in the TCM-08 basic unit. The **VHF** and **UHF** modules can be mixed within the unit.

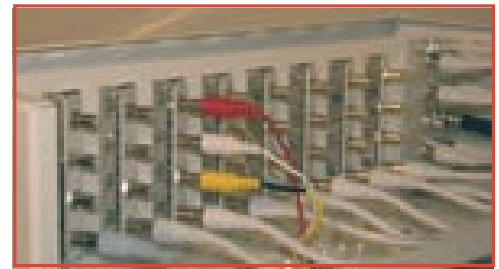
CM-02 modulator modules feature:

- Double side band multistandard modulator
- Modules available in VHF or UHF
- High performance picture quality S/N >55
- Adjustable output level
- μ P controlled PLL synthesis for high stability



Technical data - TCM-08 basic unit

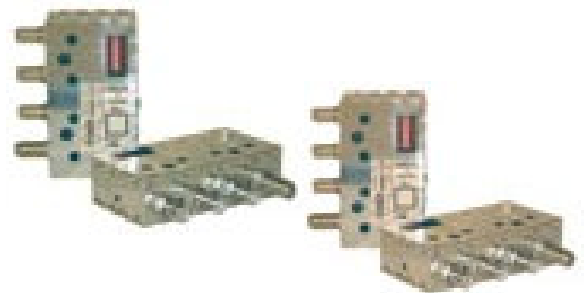
TYPE		TCM-08 Basic unit	TCM-08A Basic unit
Part No.		300110	300111
Output frequency range	MHz	47 - 862	47 - 862
Attenuation	dB		10
Output level max (with 8 channels) IMD - 60 dB	dBμV	80	105
Return loss output	dB	>14 @ 47 MHz (Min. 10 dB)	>14 @ 47 MHz (Min. 10 dB)
Output impedance	Ohm	75	75
Input voltage	V-ac	190 - 260	190 - 260
Power consumption (with 8 modulators)	W	17	20
RF output, OUT		1 x F-type	1 x F-type
Temperature, operation	°C	0..+50	0..+50
Temperature, storage	°C	-20..+70	-20..+70
Weight	kg	4.4	4.6
Dimensions (H x D x W)	mm	180 x 440 x 130	180 x 440 x 130



Fully fitted TCM-08

Technical data - modulator module

TYPE		CM02V VHF modulator	CM02U UHF modulator
Part No.		490898	490899
TV system		(B-D-I-L)+(AU/NZ)	(G-K-I-L)+(AU/NZ)
Output frequency range	MHz	175-342	470 - 862
Picture carrier stability	kHz	< +/-70	< +/-70
Spurious signals ref. picture carrier	dB	> - 60	> - 60
Output level max.	dBμV	95 +/- 2,5	95 +/- 2.5
Output impedance	Ohm	75	75
Return loss	dB	> 10	> 10
Differential gain	%	< 8	< 8
Differential phase	Deg.	< 8	< 8
Crominance / luminance delay	nS	< 80	< 80
Luminance non-linearity	%	< 8	< 8
Video S/N ratio	dB	> 55	> 52
Sound sub carrier	MHz	5.5 / 6.0 / 6.5	5.5 / 6.0 / 6.5
Sound sub carrier stability	kHz	< +/-5	< +/-5
Audio distortion, 1 KHz	%	< 1	< 1
Audio S/N ratio	dB	> 55	> 55
Video:			
Input level	Vpp	0.8-1.3	0.8-1.3
Input impedance	Ohm	75	75
Audio:			
Input level	Vrms	0.5-1.0	0.5-1.0
Input impedance	kOhm	10	10
Power supply			
Voltage	V-dc/mA	12/117	12/110
Power consumption	W	1.4	1.5
Connectors			
RF output, OUT		1 x F	1 x F
Audio/Video input		3 x RCA	3 x RCA
Power supply		Via RF output	Via RF output
Temperature, operation	°C	0..+50	0..+50
Weight	kg	0.1	0.1
Dimensions L x B x H	mm	96 x 25 x 67	96 x 25 x 67



Video/audio cable
Modulator cable with scart and
3 phone connectors - 150 cm
Part No. 300743



Spare RF connection cable
Length 20 cm Part No. 452090
Length 35 cm Part No. 45209 1



**Simply more
- more simply....**



Triax's product philosophy is to be customer-oriented: Simplicity and customer value are key words, expressed in systems offering more in performance and simplicity, with time-saving solutions for installation and later adaptation to changing needs.

Simplicity and value is expressed also in our customer service. Installers and distributors have easy access to understandable, useful and competent answers to their questions.

Innovative thinking, service oriented staff and advanced technology has made Triax one of the leading suppliers of aerial systems on the market.

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SatMax

**U1,32 Hayton Road
Sockburn, Christchurch
Tel.: +64 3 343 5565
Fax: +64 3 343 5567
e:office@satmax.co.nz
www.triax.co.nz
www.satmax.co.nz**

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