

# 912 TV-SAT AND MODULATOR EQUIPMENT

## DVB-S/S2 DVB-C DOUBLE TRANSMOD DISEQC

Code : **9120217**

Model : **TQ-542**

### Description

Transmodulator of free-to-air satellite digital television services o terrestrial digital television with DiSEqC. Each module selects the free-to-air services of two DVB-S/S2 satellite transponders and includes them in a DVB-C channel. Programmable using PC software and a wireless programmer.

### Applications

Collective terrestrial digital television installations where it is necessary to distribute FTA satellite television services while avoiding the installation of satellite receivers. Allows channels from different satellites to be selected thanks to its DiSEqC control. Compatible with all collective TV installations since the channels can be distributed throughout the 47-862 MHz band.

### Characteristics

Two independents tuners. Automatic error-detection system hich greatly reduces maintenance work on the installation. Generated output channel of outstanding quality. Zamak chassis with metal side panels. F-type connectors. The equipment can be ssembled quickly and easily.



CODE		9120217
MODEL		TQ-542
TV system		DVB-S / DVB-S2 → DVB-C EN 300421 EN 302307 EN 300429
Number of inputs		1 with duplexing or 2 independents
<b>DVB-S/S2 receiver</b>		
Frequency range	MHz	950-2150
Frequency step	MHz	1
LNB power supply	V	DiSEqC 2.0 +13V +18V 0/22KHz
	mA	350 max
Symbol rate	Mbaud	1..45
Diplexing through loss	dB	1 ±0.2
<b>DVB-S2 receiver</b>		
Input level	dB $\mu$ V	45..95
	dBm	-63..-13
F.E.C. QPSK		Auto, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 DVB: EN 302307
F.E.C. 8PSK		Auto, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 DVB: EN 302307
Roll off		0.35/0.25/0.20
<b>DVB-S receiver</b>		
Input level	dB $\mu$ V	40..95
	dBm	-68..-13
F.E.C. QPSK		Auto, 1/2, 2/3, 3/4, 5/6, 7/8 EN 302307
<b>DVB-C modulator</b>		
Modulation		16 - 32 - 64 - 128 - 256 QAM
Bandwidth	MHz	9.2 max

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MER	dB	38 ± 2.0		
Symbol rate	Mbaud	1..8		
<b>RF output</b>				
Frequency range	MHz	47-862		
Frequency step	MHz	0.25		
Output level	dB $\mu$ V	80 ± 2.0		
Output level adjustment	dB	20		
Spurious in band	dB	>60		
Roll off factor	%	15		
Carrier / Noise ratio (C/N)	dB	38		
Diplexing through loss	dB	0.9 ± 0.1		
<b>General features</b>				
Return loss	dB	>20		
Connection		F female		
Power supply	V $\ddot{=}$	+3,3	+5,2	+12
	mA	1600	320	40+LNB
Operating T close to equipment		-10..+65		
Room T with/without fan		-10..+55/+45		
Protection index		IP30		
Units per packing		1		
Packing weight	Kg	1.4		
Packing dimensions	mm	270 x 170 x 38		