

The transmodulator generates a multiplex QAM based on services originally transmitted in a satellite TV transponder. By using a conditional access module (CAM), it is possible to obtain decoded services at the output of the unit.

- Adaptation of the Transport Packet to the DVB-C requirements by:
  - Insertion of Null packets ("Stuffing") for faster scanning, either for the STB, or for the STB using fixed Symbol Rate.
  - Elimination either total or selective of MUX services received, so that they will not be detected (and memorized) by the STB.
- Edit TS\_ID, to facilitate detection of programs / services in the STB or TV with DVB-C tuner, which makes channel scanning as a function of that identifier.
- Edit both Original Network\_ID and Network\_ID, to control network IDs.
- Provides information about the occupation of each service and total occupation of the QAM output signal, allowing optimization of distributed services.













REF DESCRIPTION

EAN 13 CODE

563501 T.0X TRANSMODULATOR DVB-S2/QAM CI

8424450148792

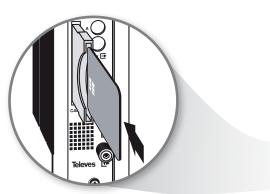


## T.OX TRANSMODULATOR DVB-S2 / QAM CI

TOTAL CONTROL OF THE CONTANT OF THE OPERATOR SERVICES
OPTIMUM FLEXIBILITY AND ADAPTATION FOR CATV DISTRIBUTION NETWORKS

## **TECHNICAL SPECIFICATIONS**

Reference				563501	
SAT INPUT	SAT	Input Frequency	MHz	950 2150	
		Frequency steps		1	0
		Input level	dΒμV	49 - 84	
		LNB powering	Vdc	17/13/OFF (22KHz ON/OFF)	
	DVB-S	Modulation		QPSK	0
		Symbol rate	Mbaud	2 - 42,5	0
		Convolutional Code (inner FEC)		Viterbi (1/2, 2/3, 3/4, 5/6, 7/8)	0
		Block Code (outer FEC)		RS (188/204)	0
		Roll-Off	%	35	0
	DVB-S2	Modulation		QPSK / 8PSK	0
		Symbol rate	Mbaud	10 - 30	
		Convolutional Code (inner FEC)		LDPC (1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10)	0
		Block Code (outer FEC)		BCH (Bose-Chaudhuri-Hocquenghem)	0
		Roll-Off	%	20, 25, 35	0
DVB-C OUTPUT	QAM	Modulation (Constellation)		16, 32, 64, 128, 256QAM	0
		Symbol rate	Mbaud	<6,9	
		Scrambling, Interleaving		DVB EN 300429	0
		Block Code (outer FEC)		RS(188, 204)	
		Roll-Off	%	15	0
		PCR Correction		yes	0
		Services deleting		yes	0
		Network_ID, Original Network_ID		Editables	0
		Op_ID,TS_ID		Editables	0
		Spectral inversion		Normal, Inverted	
		Bandwith	MHz	< 8	0
	RF	Output frequency		46 - 862	0
		Frequency steps	KHz	250	0
		Output level (max)	dΒμV	80 tip.	0
GENERAL		Powering	Vdc	24	
		Consumption	mA	300 (no powering neither LNB nor CAM)	
		Protection index	IP	20 (no powering neither LNB nor CAM)	



Before turning on the power for the unit, insert the card into the CAM to the bottom, with its contacts towards the left and forward, as can be seen in the figure.

