



## AV-COFDM digital modulator

1 in RCA

**art. 07-890**  
**MD SD**



Stand-alone stereo device which allows modulation of an audio/video signal (from SAT receivers, cameras, DVD players, etc.) in a COFDM digital channel.

Being multiband allows the modulation of the output channel in the VHF or UHF band.

The AV signals are digitized, encoded in MPEG-2 and modulated in COFDM.

Ability to set the LCN for each remodulated channel. Reprogrammable many times as necessary.

User interface via LCD display and control keypad for basic configuration and USB connection for PC programming.

Realized in a shielded housing equipped with an AV input with RCA connectors and an automixing RF output with screw F-type connectors.

Code	07-890
Item	MD SD
<b>VIDEO</b>	
Video Input	CVBS
Resolution modes	PAL / NTSC
Compression	MPEG-2
<b>AUDIO</b>	
Audio Input	Stereo L/R
Compression	MPEG-1, Layer II
<b>ENCODING</b>	
PID	PAT, PMT, SDT, NIT
Configuration	Channel and Network name, SID, TSID, ONID, NID, Audio and Video PIDs
<b>MODULATION</b>	
Carriers	2K, 8K
Guard interval	1/4, 1/8, 1/16, 1/32
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Constellation	QPSK, 16QAM, 64QAM
<b>OUTPUT</b>	
Output channel	1
Channel name	Max 15 characters
LCN	no. 1÷1023
COFDM standard	DVB-T
Output frequency	MHz 47÷862
Output level	dBuV 70÷90 (±2)
Bandwidth	MHz 6, 7, 8
MER	dB > 31
Connectors	Screw F-type
<b>CONTROL</b>	
Control and programming	LCD Display and 4 buttons; USB port for pc programming
<b>GENERAL</b>	
Dimensions (LxWxH)	mm 170×115×35
Packaging dimensions (LxWxH)	mm 200×140×82
Packaging weight	Kg 0,75
Power supply	Vdc 5
Max consumption	W < 9
Fit temperature	°C 0÷45
<b>SUPPLIED POWER UNIT</b>	
DC connector	mm 2,1
AC mains	100÷240V~ 0,5A, 50÷60 Hz
Delivered voltage and current	5Vdc 2A

### Example of application

