



## AV-COFDM digital modulator multiband stereo selfpowered - 1 in HDMI-RCA

**art. 07-899**  
**MD HD-RCA**

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

The format of the AV input signal can be either CVBS component video or HDMI.

To each of the two types match as many types of connectors: RCA in the first case and HDMI in the second. In case of simultaneous connection of both inputs, the modulator will give priority to the HDMI one.

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

The AV signals are digitized, encoded in H.264/AVC (MPEG4) and modulated in DVB-T HD.

Connect to the output of the modulator only HD TV or HD digital terrestrial receivers.

Ability to set the LCN. Reprogrammable many times as necessary.

User interface via LCD display and control keypad for basic configuration.

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



Code	07-899
Item	MD HD-RCA
<b>VIDEO</b>	
Video Input	Composite Video, HDMI
Resolution modes	up to 1080p@30Hz
Compression	H.264/AVC
PC resolutions	800x600, 1024x768, 1280x600, 1280x720, 1280x768, 1360x768, 1366x768
<b>AUDIO</b>	
Audio Input	Stereo, HDMI
Compression	MPEG-1 Audio Layer II (ISO/IEC11172-3)
<b>ENCODING</b>	
PID	PMT, Video, Audio, PCR
Configuration	Channel and network name, NID, ONID, PDS, TS ID
Output channel	1
Channel name	Max 15 characters
LCN	no. 1÷1023
<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>	
COFDM standard	DVB-T
Output frequency	MHz 174+230 + 470+860
Output level	dBuV 75+90 (±2)
Bandwidth	MHz 6, 7, 8
MER	dB >36
Connectors	Screw F-type
<b>CONTROL</b>	
Control and programming	LCD Display and 5 buttons
<b>GENERAL</b>	
Dimensions (LxWxH)	mm 150x150x36,5
Packaging dimensions (LxWxH)	mm 277x220x88
Packaging weight	Kg 0,99
Power supply	Vdc 12
Max consumption	W 8
Fit temperature	°C 0+60
<b>SUPPLIED POWER UNIT</b>	
DC connector	mm 2,1
AC mains	100+240V~ 1A, 50+60 Hz
Delivered voltage and current	12Vdc 1A

### Example of application

