

AV-DVB-T Stand Alone Modulator

Allows entering A/V signals in TV distributions of DTT format.



CVBS



4 CVBS and stereo audio
input connectors



DVB-T output



LCN support



All settings are
automatically memorised

Main feature

- Audio/Video → DVB-T
- 4 CVBS and stereo audio input connectors.
- Excellent modulation quality MER: 38dB.
- LCN support (Logical Channel Number).
- AV1 to AV4 are also serially digitalised, coded in MPEG2 and modulated in COFDM.
The COFDM base band signal is modulated on an RF carrier that can be adjusted at the output to the VHF and UHF bands.
- RF COFDM DVB-T output.
- Editable channel name and information to be shown on the TV set.
- Modulated channel and USB player channel can transmitted simultaneously.
- Processing and insertion of PSI/SI tables.
- Remote control and firmware updates via web/Ethernet.
- User interface with LCD display and control button for basic configuration.
- All settings are automatically memorised.
- Reprogrammable as many times as required.
- Firmware updated via Ethernet connection with web browser.
- Replaceable power supply

MODEL		MAC-401
Ref.		4485
Input		4x CVBS
Video input level (CVBS)	Vpp	0.7 ... 1.4
Video coding		PAL/NTSC/SECAM
Audio input		4x mono/stereo
Audio input level	Vpp	0.5 ... 4.0
Compression video		MPEG2 MP@ML
Video resolution		720x576, 25 fps (PAL), 720x480, 30 fps (NTSC)
Video Bit Rate	Mbits/s	3 - 10
Audio		MPEG1 Layer II
Audio Bit Rate	Kbits/s	96, 128, 160, 192, 224, 256, 320, 384
Insertion of tables		PAT, PMT, SDT, NIT
Configuration		Channel Name, SID, LCN, NID, Network Name, Provider Name, TSID, ONID, NIT MODE, LCN Private Descriptor
Output		DVB-T according to ETSI EN 300 744
Bandwidth	MHz	6/7/8
Carriers		2K (UK) / 8K (FR)
MER	dB	38 (typ.)
Central frequency	MHz	51 - 858
Output level	dBμV	≥ 80
Output attenuation	dB	1
Level adjustment	dB	-15
Frequency stability	ppm	≤ ±30
Noise figure (ΔB=8MHz)	dBc	≤ -70
Loophthrough		Yes
General		
Power supply	VAC	230 - 240
Consumption		0.45 A / 30 W
Dimensions (without connectors)	mm	300 x 250 x 44
Weight	kg	2.5
LAN connector		RJ-45
Remote control		Ethernet 10BaseT 10/100 Mbits/seg
Local interface		LCD + Joystick
Remote interfaz / Update		Web / Ethernet

