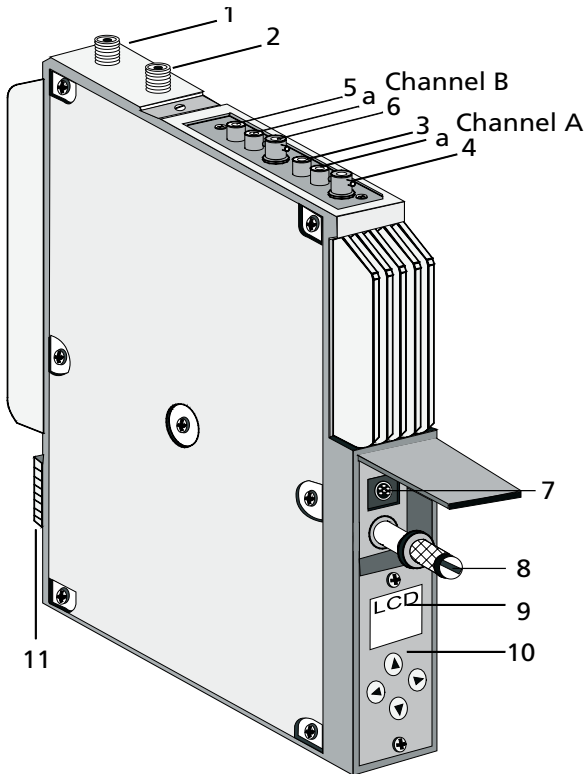




WISI TOPLINE HEADEND

OV 38

Dual AV modulator stereo / NICAM 45 - 862 MHz



1. Looped-through input (F socket) / Single output (Channel A)
2. Looped-through output (F socket) / Single output (Channel B)
3. Audio input L / cinch white (Channel A)
- 3a. Audio input R / cinch red (Channel A)
4. Video input / BNC (Channel A)
5. Audio input L / cinch white (Channel B)
- 5a. Audio input R / cinch red (Channel B)
6. Video input / BNC (Channel B)
7. Programming interface Mini-DIN
8. Fixing screw
9. Display
10. Control panel
11. DC connector

- Modulation of two audio signals and two video signals into two TV channels in the frequency range 45 – 862 MHz.
- Multi-standard operation.
- Stereo-capable vestigial sideband modulator, adjustable in 250 kHz steps.
- NICAM
- Interface for audio/video with BNC/Cinch.
- Integrated test pattern generators with two white bars and additional 1 kHz test tone.
- Connection facility for Headend Controller OV 51 A / OV 51 S.

Display example for OV 38

Display after switching on

OV 38 = Device designation
 V 1.00 = Software version
 Mod-No. 0 = Modul number

subsequently changes to

OV 38 = Device designation
 471,25 = Output frequency A/B

Factory settings

Mod-No:	0	A-Vol:	0 dB
F-Out:	471,25	A-Imp.:	600 Ω
Out-Att:	-5	TV-Std.:	B/G
V-Gain:	Auto	ScRatio:	corr. Norm
Outconf:	loop	TP-Gen.:	Off
A-Mode:	Stereo		

Operation

The UP/DOWN keys ▼▲ are used to select menu items and to change digits in numerical value.

The L/R keys ◀▶ are used to enter values, to enter and leave a menu line and to move to the digit to be changed.

Operation	Display	Settings
Channel	Channel	A / B
Output frequency	F-Out	471.25 MHz (45-862 MHz) Move the cursor with the L/R keys to the digit to be changed and adjust with the UP/DOWN keys in 250 kHz steps.
Output level	Out-Att	0-15 dB in 1-dB steps
Output configuration*	OutConf	loop / single Loop through mode / Single output
Video level	V-Gain	Auto / Fix auto or 1Vpp Fix
Audio mode	A-Mode	Dual Dual 2 nd sound carrier with ID Stereo Stereo 2 nd sound carrier with ID Mono Mono input L
NICAM	NICAM	off / on / on BKup
Audio level	A-Vol	+5 dB ... -9 dB, Mute Input level -4 dBm and audio level set to +0 dB corr. to nom. deviation
Audio impedance	A-Imp.	600 Ohm / 10 kOhm
TV standard**	TV-Std.	B/G B/G, D/K, L, I
Sc Ratio sc1***	ScRatio	10-17 dB in 1-dB steps (Sc2 is fixed to -20 dB)
Test pattern generator	TP-Gen.	on / off
Module number	Mod.-No	0-9 Module number of the device
Version	Version	Software and Hardware version of the module

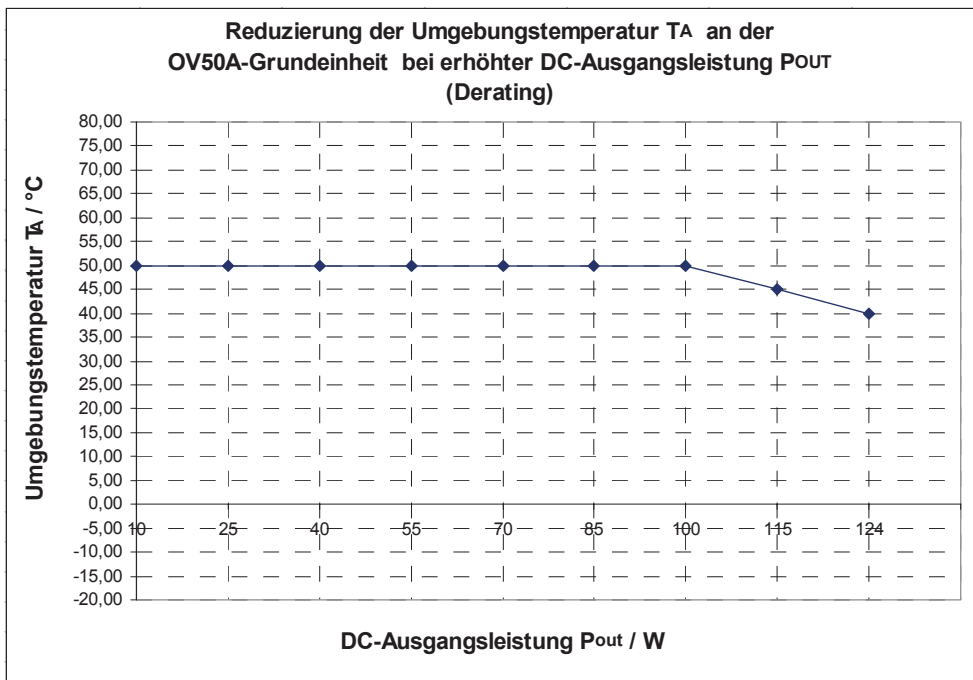
* only Channel A

** Channel A/B

*** **Note:** The picture-sound carrier offset can be adjusted to values other than those of the TV standard.

Notice:

The OV 50 A power supply unit can handle max. 124 W. **Please do not overload the power supply!** Please pay also attention for a good air cooling of the OV 50 A to avoid overheating of the modules and power supply unit.



Specifications

Video - Channel A/B

Input level	1 V _{ss} / ± 0,4 V
Video bandwidth	0,020 - 5,0 MHz
S/N (CCIR 405-1)	≥ 57 dB typ. 59 dB

Audio - Channel A/B

Output frequency range	40 - 15000 Hz
Input impedance switchable (cinch socket)	600 Ω / 10 kΩ
S/N (1 kHz Sinus)	typ. 55 dB
Input level for nom. deviation	-4 dBm/ 1 kHz
Audio level	+5 dB... -9 dB
Distortion	min. 0,6 % typ. 0,3 %

Modulator

Output frequency range	45-862 MHz
Frequency steps	250 kHz
Output impedance F socket	75 Ω
Output level	(loop) 75 - 85 dBμV (single) 85 - 95 dBμV
Thru loss	≤ 1,5 dB
Return loss	≥ 16 dB (-1 dB/Okt.)
TV standards	B/G*, D/K*, I, L
* Stereo / Dual tone 2nd sc with ID	

General

Connectors	RF	F
	AV input	BNC / Cinch
Power supply	5 VDC / 1200 mA	12 VDC / 530 mA
Housing	Zinc die-cast	
Dimensions	30 x 264 x 199 mm	
Ambient temperature	-5 °C...+50 °C	
Storage temperature	-30 °C...+75 °C	
Data retention in temperature range	+5 °C...+50 °C	
Max. humidity non condensing	95 %	
EMC	corresponding to EN 50083-2	



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Technische Änderungen vorbehalten
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