



WISI MINI HEADEND

OM 33 FM / VHF / UHF Band amplifier - FM/170-230/250-430/470-862 MHz

OM 35 Dual UHF channel amplifier



Update OM 01 Base unit to software version \geq 1.39!

OM 33

- FM and VHF/UHF amplifier
- VHF auxiliary front input band pass amplifier
- UHF auxiliary front and back input / 2way splitter / booster amplifier
- Diplexer VHF/UHF, bandpass filter FM/VHF 174-230 MHz / VHF 250-430 MHz
- Remote power for preamplifier jumperable

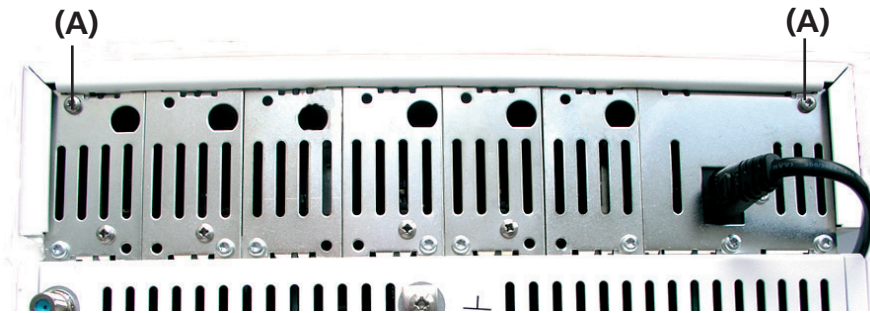
OM 35

- Programmable, super selective dual UHF channel amplifier
- Remote power for preamplifier jumperable

Installation of modules



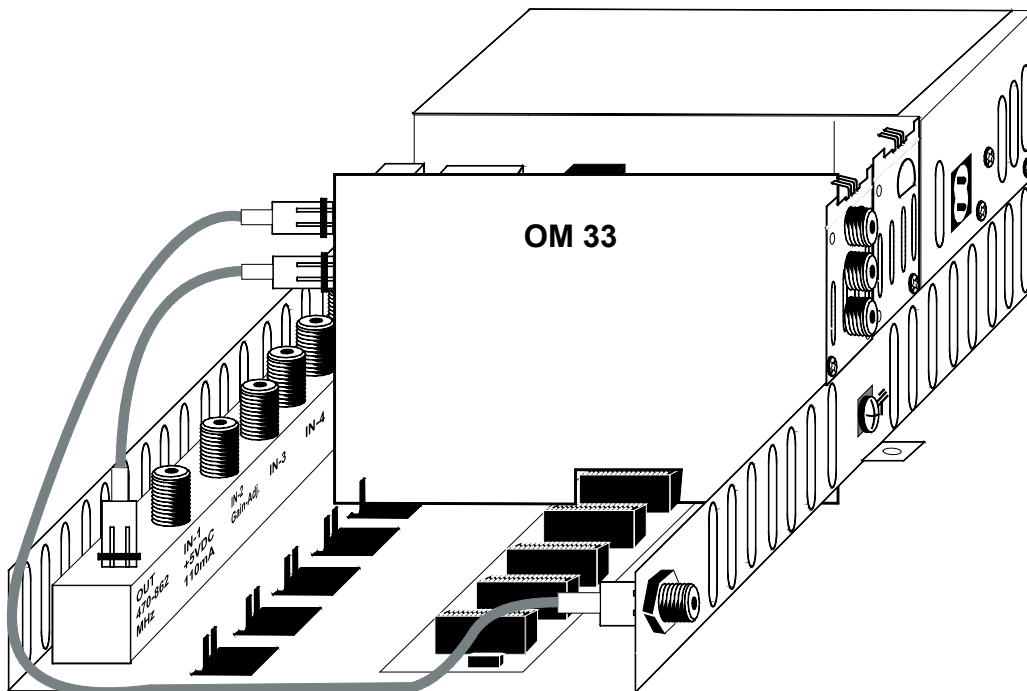
Switch off power supply!



Loosen the two upper Philips screws (A) on the cover and remove the cover. Insert the module, screw it down and connect it. Fit and secure the cover and make the necessary settings with the handset OK 41A.

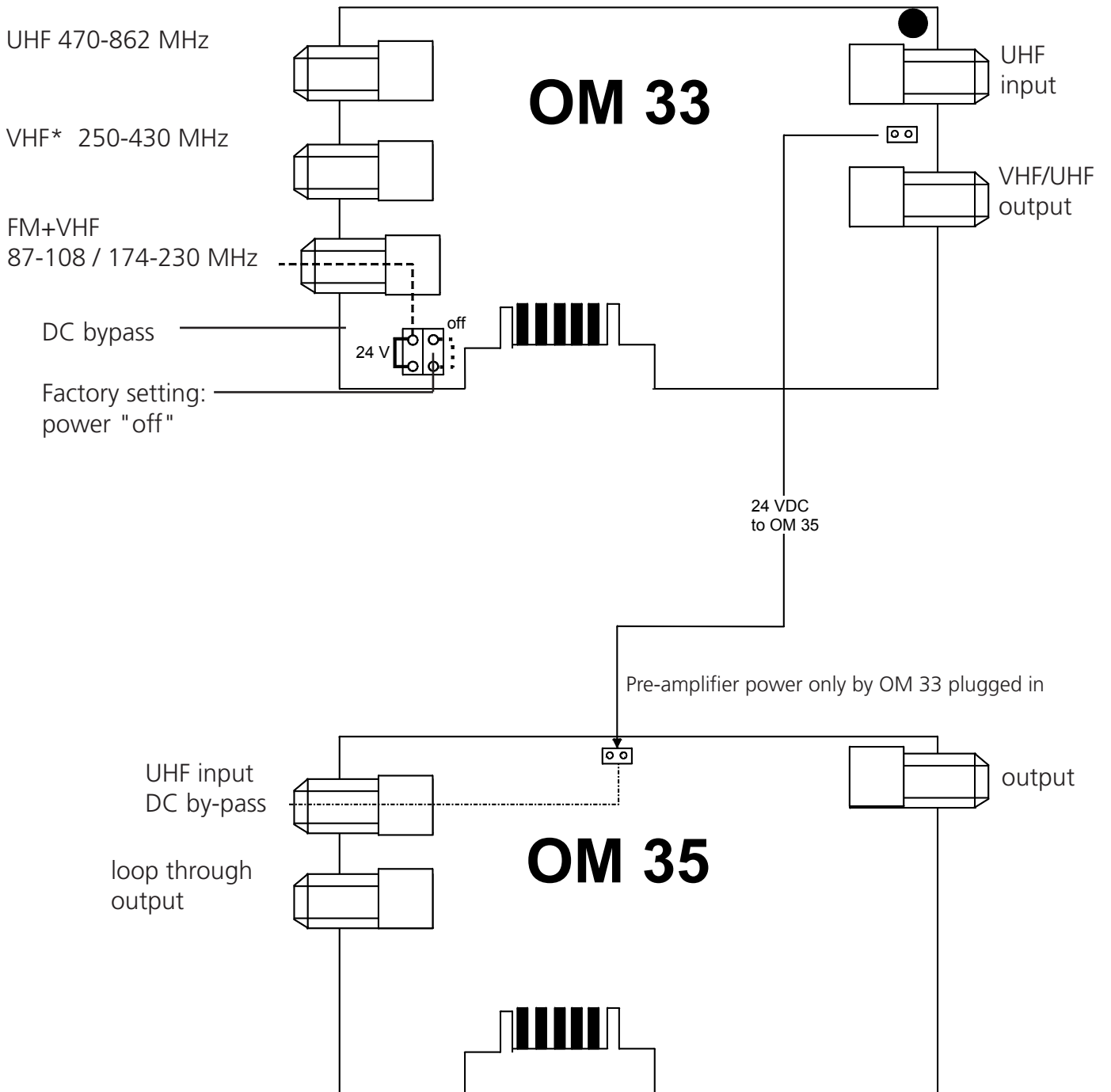
Factory settings: Output attenuator 0 dB

Insert the module into the slots and press down. Tighten and connect it.

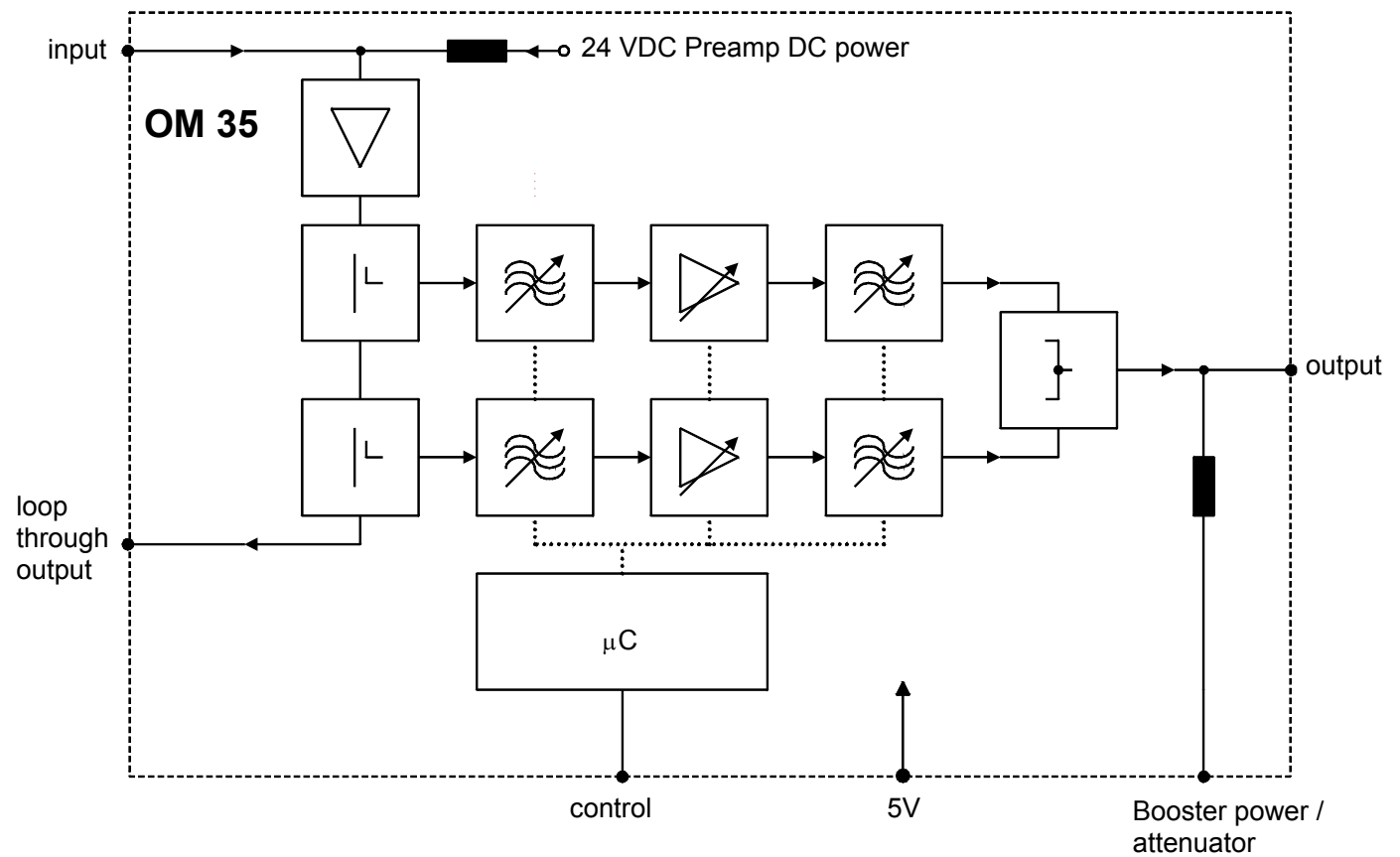
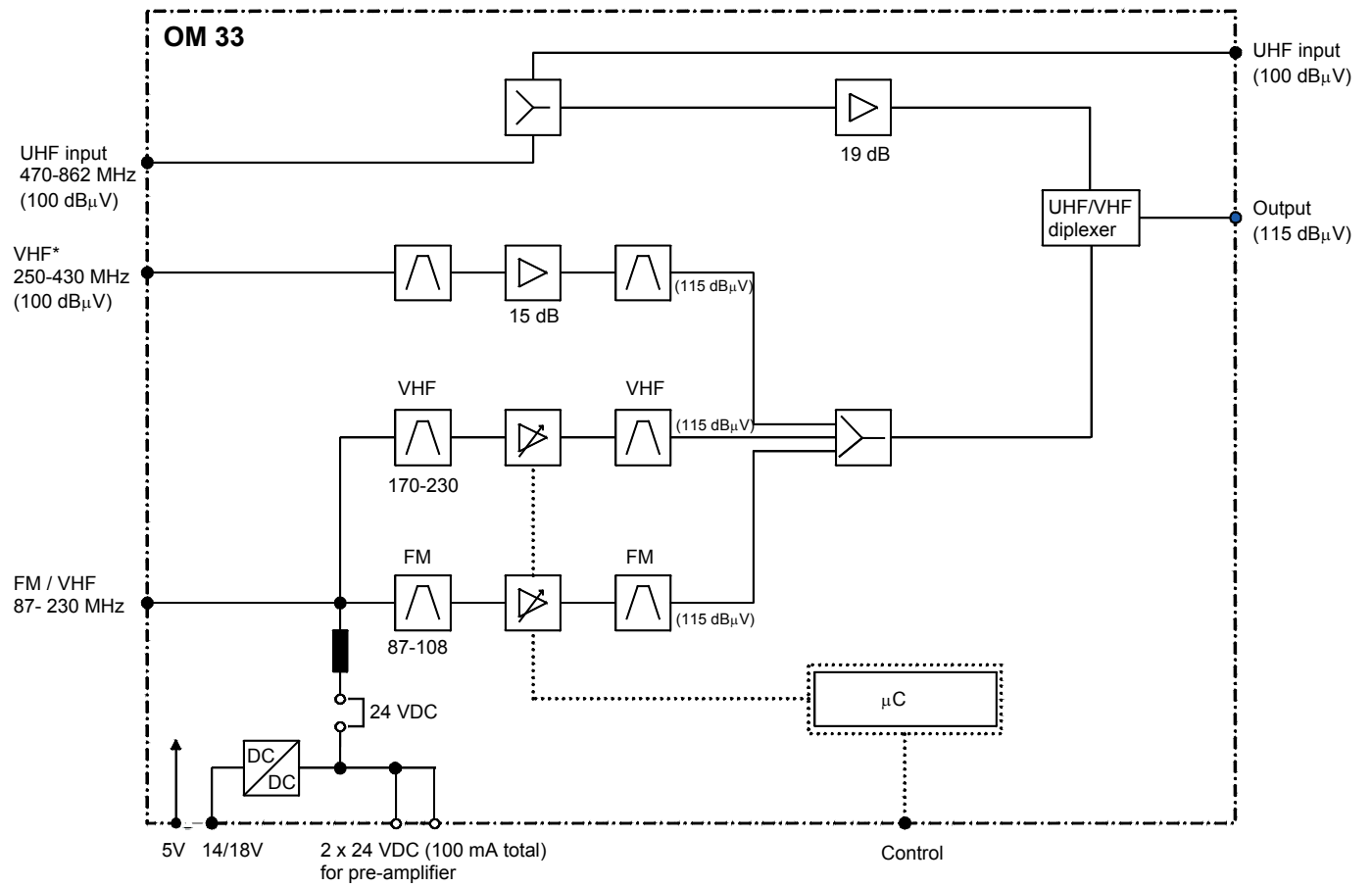


Pin assignment

green LED
 lights up: 24 VDC o.k.
 flashes: short circuit 24 VDC



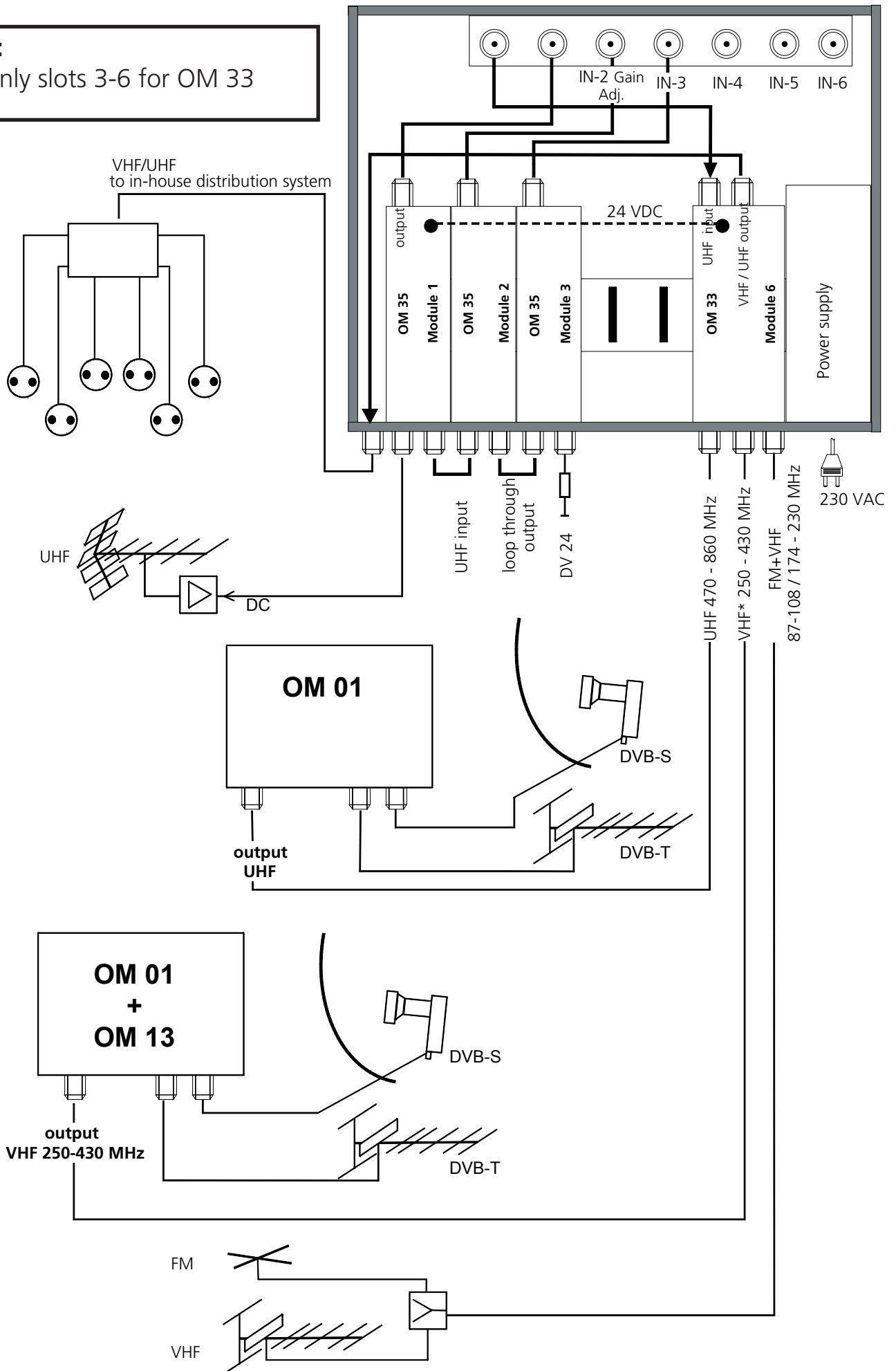
Block diagram



Sample system configuration

Note:

Use only slots 3-6 for OM 33



Specifications

OM 33

Input

Input frequency range	FM / VHF VHF* UHF	87-108 / 174-230 MHz 250-430 MHz 470-862 MHz
Gain	FM / VHF VHF* 2 x UHF	40 dB 15 dB 19 dB
Gain adjustment	FM / VHF VHF* UHF	-18 dB none none
Rejection	FM to VHF FM to VHF BI VHF to UHF VHF to FM	40 dB 40 dB 40 dB 40 dB
Output level	EN 50083-5	VHF / FM / VHF* / UHF 115 dB μ V**

General

Preamplifier powering via FM / VHF input	24 VDC / 100 mA
Connectors	RF in/output F
Power supply	3.3 VDC 5 VDC / 500 mA 14 VDC
Operating temperature	0°C ...+55°C
Storage temperature	-25°C...+75°C
Max. humidity, non condensing	95 %

** 2 ch 115; 4 ch 112; 8 ch 109 dB μ V

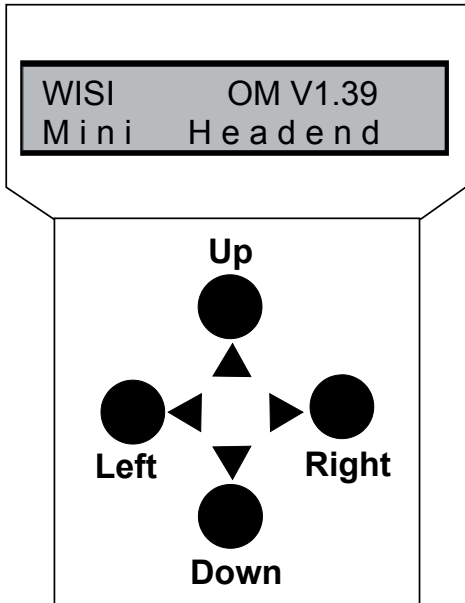
OM 35

Input 2 x UHF channel amplifier

Input frequency range	2 x 470-862 MHz	
Channel spacing	8 MHz	
Gain	23 dB	
Gain adjustable	30 dB	
Rejection	channel / channel channel \pm 1 channel	> 40 dB > 60 dB
Insertion loss	loop through input	< 2 dB
Output level UHF EN 50083-5	90 dB μ V	
System level into Booster amplifier	77 dB μ V	
Connectors	RF in/output F	
Power supply	3.3 VDC 5 VDC / 580 mA	
Pre-amplifier power only by OM 33 plugged in	24 VDC / 100 mA max.	
Operating temperature	0°C ...+55°C	
Storage temperature	-25°C...+75°C	
Max. humidity, non condensing	95 %	

Operation

Handset OM... (accessory)



Legend: L/R keys =Left/Right

Plug the handset into socket .
 Connect the supply voltage.
 Display shows information WISI OM Startup.



A continuously bar shows the initialisation.
 Press any button. „Search modules“with rotating „\“ is displayed.
 Display shows the modules:

- 1 OM 15A CH 21
- 2 OM 15A CH 23
- .
- 5 OM 35 CH 29
- 5b OM 35 CH 31
- 6 OM 33 FM
- 6b OM 33 VHF

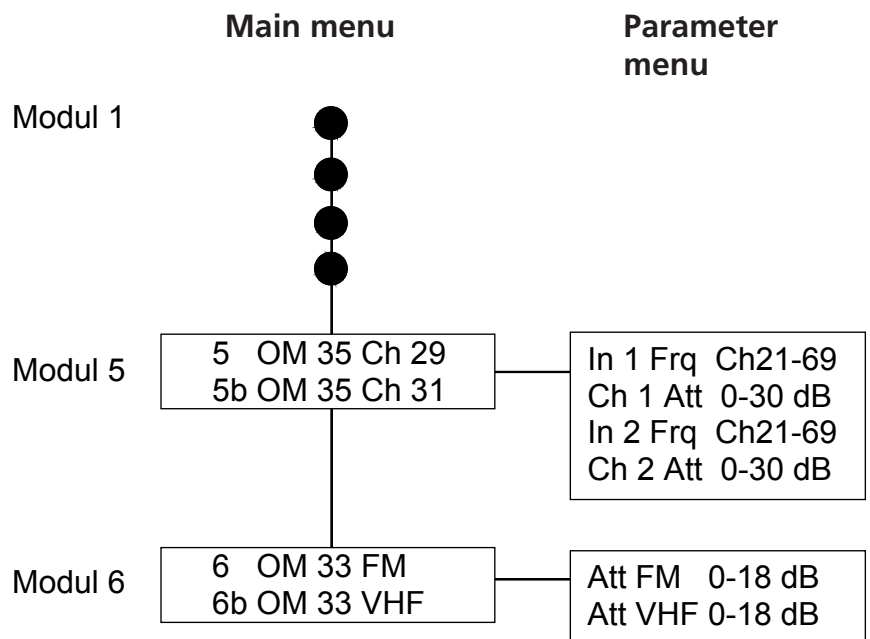
Operation of the buttons

- ▲▼ keys — Select Operation.
- ▶ key — Open sub-menu.
- ◀ key — Back to operation. Select with buttons ▲ next operation.

Parameter sub-menu

- ◀▶ keys — Select display or value to be changed. Cursor stands under the value, e.g. 89
- ▲▼ keys — Change the value.

Menu structure





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... a link to the future

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