





CATV-Home Distribution Amplifier

Model HC 30/40125 RS AU



(**€**

Operating manual



Mounting and safety instructions



Attention

The rated voltage stated on the device must correspond with the mains voltage. The instructions for operating the device must be observed.



Grounding and potential equalization

Please establish grounding and perform potential equalization before initial startup.



Connection cable

Always install the connection cables with a loop so that no condensed water can penetrate along the cable.





Install only on a solid, plane and at most fire-resistant surface. Avoid strong magnetic fields in the surroundings. Too strong heat effect or accumulation of heat will have an adverse effect on the durability. Don't mount directly over or nearby heating systems, open fire sources or the like, where the device is exposed to heat radiation or oil vapours. Don't block the ventilation slots of devices fitted with fans or heatsinks, as this will cause heat to build up inside the devices and may cause fire. Free air circulation is absolutely necessary to permit the device to function properly. It's imperative to observe the mounting position!

Moisture



Protect the device from high humidity, dripping and splashing water. If there is condensation, wait until the device is completely dry. Operating environment according to the specified IP protection class.

Caution! Danger of life!



According to the currently valid version of EN 60728-11, coaxial receiving and distribution systems must meet the safety requirements regarding grounding, potential equalization, etc., otherwise damage to the product, fire or other hazards may occur. Electrical fuses may only be replaced by authorised specialist persons. For the replacement of electric fuses, only same type and amperage have to be used. In case of damage the device has to be taken out of service.

Mounting and service works

May be only done by authorized staff according to the rules of technology. Devices have to be switched off before starting any maintenance or service work. In order to guarantee interference immunity, all device covers must be screwed tight again after opening.



Thunderstorm

Do not carry out maintenance or repair work on the device due to higher risk of lightning strike.



Ambient temperature

Operation and storage only within the specified temperature range.



Termination

Not used receiver and trunk line outputs have to be terminated with 75 Ohm-resistors.



Caution! Laser beam -> risk of accidents due to blinding!

Don't look into the laser beam or at direct reflexes of reflecting or polished surfaces. There is a danger of injury to the eyes.



Recycling

All of our packaging materials (packaging, identification sheet, plastic foil and bag) are fully recyclable.

Precautions to ensure the electromagnetic compatibility (EMC)

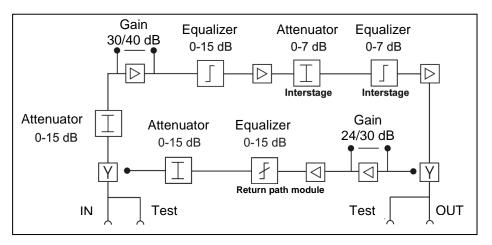
All covers and screws must tightly be fitted and should be tightly fastened. Contact feathers should not be oxidized or deformed.



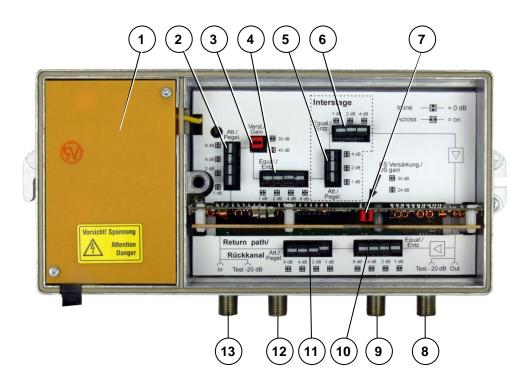
1 Description

The new generation of CATV-Home-Distribution-Amplifiers is particularly designed for the use in multiple family dwellings. Multimedia applications in cable networks (i.e. Internet) are supported by the integrated plug-in return path. The requested output level can be exactly adjusted by potentiometers.by set point bridges. The power supply guarantees a long life cycle. Operating mode is shown by a green LED. The housing was designed in accordance to the protection class IP 65.

Blockschaltbild / Block diagram







1	Power Supply	8	Signal output
2	Attenuator	9	Test point output
3	Gain 30/40* dB	10	Equalizer return path
4	Equalizer	11	Attenuator return path
5	Attenuator Interstage	12	Test point input
6	Equalizer Interstage	13	Signal input

Return path Gain changeover

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^{*}Downstream



2 Commissioning

1. Mounting

Fix the appliance to its intended location with the enclosed screws.

2. Open the housing

Unscrew the marked screw in the centre of the case top and remove the case top

3. Closing the housing

In order to guarantee the interference immunity of the amplifier, the amplifier cover must be screwed tight again after the settings have been carried out!





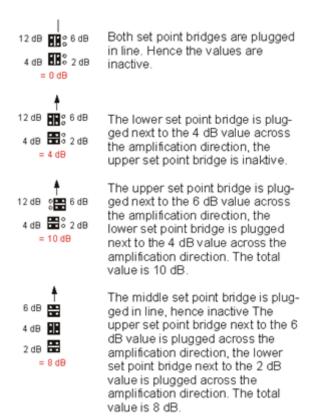
3 Settings

The amplifier is adjusted by the positioning of the corresponding set point bridges.



To activate the desired values the set point bridge need to be plugged across the amplification direction next to the value.

Examples:





Technical data

Туре	HC 30/40125 RS AU		
Frequency range	4 - 862 MHz		
Gain	switchable 30 / 40 dB		
Attenuator	2		
Equalizer	2		
Noise figure	≤ 7 dB		
Return path	Pluggable		
Output level dBµV at	862 MHz		
- 60 dB CTBA	108		
Power supply			
Operating voltage	180-255 V~		
Power consumption	10 W		
Housing (W x H x D) mm	(IP65) 242 x 103 x 60 mm		
Article no.	1452405		



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