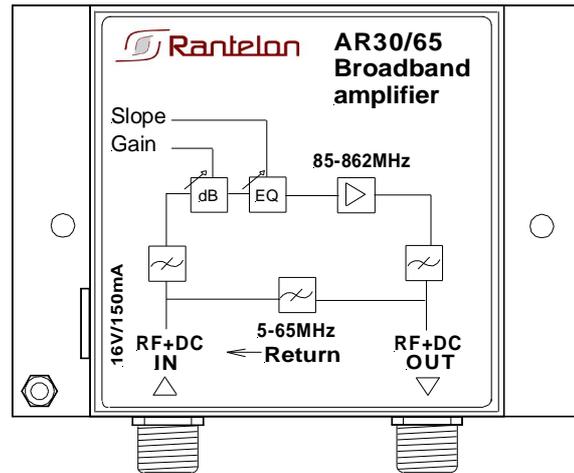


Adjustable broadband amplifier with passive return path

The adjustable broadband amplifier AR30/65 is designed for use in cable TV networks as an amplifier for a group or single subscribers.

Key features:

- Adjustable gain
- Adjustable slope
- Return path
- Low noise figure
- Low power consumption
- Locally and remotely powered
- Sturdy aluminium cabinet



Application areas:

- CATV/MATV networks
- Individual antenna systems

Product general description:

AR30/65 is an adjustable gain and slope broadband CATV amplifier with a passive return path. It is the ideal solution for distribution of CATV signal in small networks. The amplifier is suitable for extension of in-house or apartment TV networks. The return path provides an possibility to use several additional services (internet, phone service etc.) offered by cable TV operators. AR30/65 may also be powered remotely (via input or output).

Technical specifications:

Forward path	85-862MHz
Return path	5-65MHz
Gain	30dB
Flatness	+1dB
Gain adjustment range	0-20dB
Slope adjustment range	0-20dB
Max. output level DIN45004B	113dB μ V
Noise figure	5.5dB
Supply voltage/current	16-20V/150mA
Dimensions	94 x 70 x 35mm



Figure 1. Amplifier transfer function S21