

RCB 199 High Quality Frequency Converter RF » RF

The **RCB 199** is a high quality frequency converter for transparent conversion of all analog and digital modulation formats. It provides a flexible and reliable modular headend solution for any cable-TV, broadband and broadcast application and ensures optimal output performance and video quality.

The unit encompasses highest frequency stability, agility, and bandwidth adaption while the additional repeater option allows a single wave conversion especially for incoming terrestrial or catv signals at lowest levels.

The **RCB 199** can be accessed and configured locally and remotely via the unique central control unit HCB 200 and also features SNMP monitoring optionally.

- Conversion of any analog and digital modulation within the RF frequency range
- Extrem low phase noise for any modulation types
- Frequency agile input and output 45...862 MHz
- Repeater for analog TV, DVB-C, DVB-T & DAB
- Switchable bandwidth 7 & 8 MHz, 6 MHz optionally
- Easy and flexible local and remote control / SNMP

Technical Specification

RF Input	
Frequency level	47...862 MHz
Tuning grid	250 KHz
AGC - Level range	52...90 dBμV
Impedanz	75 Ω
Nominal input level	82 dBμV
Connector	F socket
Noise figure	10 dB
RF Output	
Output frequency range	45...862 MHz
Tuning grid	250 kHz
max. Output level	116 dBμV
Level Adjustment range	0...31,5 dB (0,5 dB steps)
Channel allocation	adjacent channel ability
Connector	F socket
Impedance	75 Ω
Return loss	18 dB 45 MHz - 1,5 dB/Octave
Operating parameter	
Voltage/Current	12 V (± 0,2 V)/650 mA

