

AV to RF Analog Modulator with Double RCA

This analog modulator converts AV signals to RF signals. It supports both PAL and NTSC systems and features MCU controlled PLL for accuracy.



Overview



The modulator features an easy-to-read LED channel display and intuitive controls for channel selection and locking.

High-Stability Analog Modulation

This double RCA AV to RF modulator is designed for reliable signal conversion, utilizing MCU-controlled PLL technology to ensure high accuracy and stability for both visual and audio subcarriers. It features dual A/V signal inputs and a versatile modulator function, making it an ideal solution for integrating older televisions or RF distribution systems. With adjustable output levels and selectable audio subcarriers, it offers the flexibility needed for professional-grade signal management.

Key Features



Equipped with dedicated ports for RF, Video, and Audio inputs/outputs to ensure seamless integration.

Core Functionality

- MCU controlled PLL for high stability
- Double A/V signal input with dual modulator function
- Audio Subcarrier Selectable (5.5MHz, 6.0MHz, 6.5MHz)
- RF loop input included
- Auto-store settings during power outage
- Output level adjustable
- LED Channel number display

Technical Specifications

RF Performance Metrics

45 MHz

Min Frequency

870 MHz

Max Frequency

85 dBuV

Output Level

55 dB

S/N Ratio

Signal Modulation Details

Parameter	Specification
A/V Ratio	-15±2dB
Input Level	0.8Vp-p (for 80%±10% mod)
Input Level Adj.	0.4Vp-p – 0.8Vp-p

Compliance & Standards

Certifications

CE