

AV to RF Signal Converter Modulator

This modulator converts AV signals to RF signals for CATV systems, supporting both PAL and NTSC. It features MCU controlled PLL for high accuracy and stability.



Overview



The modulator features a clear LED channel display and intuitive controls for channel selection and signal adjustment.

Professional AV to RF Modulation

This high-performance AV to RF signal converter is engineered for reliable signal distribution in CATV environments. Utilizing MCU-controlled PLL technology, it ensures superior stability and accuracy for visual carrier and audio subcarrier signals. Designed for versatility, it supports both PAL and NTSC television standards, making it an ideal solution for integrating legacy AV equipment into modern coaxial distribution networks.

Key Features

Key Features	MCU Controlled PLL, High Stability, Audio Subcarrier Selectable, RF Loop Input, Power Outage Auto-Store, LED Channel Display, Double Side Band Modulation
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RF Specifications

Output Channel Range	VHF I: CH2-CH4, S1-S10; VHF III: CH5-CH12, S11-S41; UHF: CH21-CH69
RF Output Level	90 dBuV
Visual Carrier Frequency Accuracy	5 KHz
A/V Ratio	-15±2dB

Video Performance

Input Level	0.8Vp-p for 80% ±10% modulation
Input Level Adjustment	0.4Vp-p ~ 0.8Vp-p
S/N Ratio	55 dB
Frequency Response	±2.5dB (50Hz to 4.2MHz)

Audio Settings

Selectable Audio Subcarrier

- 5.5MHz
- 6.0MHz
- 6.5MHz