

AV to RF Signal Converter Modulator

This AV to RF modulator converts audio and video signals into RF signals for television broadcasting. It supports both PAL and NTSC systems.



Product Overview



The device features intuitive front-panel controls, including channel selection, lock function, and audio/video adjustment knobs.

High-Performance AV to RF Signal Modulator

This household modulator is designed to seamlessly convert composite AV signals into RF signals for television broadcasting. Featuring MCU-controlled PLL technology, it ensures high accuracy and stability for both visual carrier and audio subcarrier frequencies. It is an ideal solution for distributing signals from devices like DVD players, VCRs, or game consoles to multiple televisions via coaxial cable.

Key Features

Features

- MCU controlled PLL for high frequency stability
- Selectable audio subcarrier frequencies: 5.5MHz, 6.0MHz, 6.5MHz
- Includes RF loop input
- Auto-store function for power outages
- LED channel number display
- Double side band modulation for non-adjacent channel usage

Technical Specifications

Gecen® 佳讯



Connectivity interface supporting CATV/TV/AU selection and standard AV inputs for versatile signal integration.

RF Performance Metrics

90 dBuV

Output Level

55 dB

S/N Ratio

5 KHz

Visual Carrier Freq. Accuracy

Detailed Specifications

Parameter	Specification
Frequency Range	45~870MHz
A/V Ratio	-15±2dB
Input Level	0.8Vp-p (80% modulation)
Input Level Adjustment	0.4Vp-p ~ 0.8Vp-p
Frequency Response	±2.5dB (50Hz to 4.2MHz)

Power & Compliance

Power Consumption	2 W
Operating Voltage	230V~50Hz