



...competitive technologies with compelling value

# CTARM-1

## Residential Digital Agile Modulator

### Product Description

The CTARM-1 residential digital frequency agile modulator allows for the insertion of video and left and right audio signals from a variety of devices including satellite receivers, VCRs, DVD players, and security cameras on user selected TV channels. These modulators create a separate TV channel for each video device, combine the new channels with cable or broadcast TV channels, and route the output to all TVs in the home via existing cable outlets.

The CTARM-1 is a single input modulator. It is housed in low profile case with channel output selection buttons and LED channel display. Non-volatile memory is included to remember channel assignments in event of power failure.

### Application

The CTARM-1 modulator allows consumers to watch what they want from any home TV without having to pay for extra VCRs, DVD players, cable boxes, satellite receivers, or surveillance monitors. The modulator also allows a consumer to introduce a new "video service" such as home security cameras to their existing cable system without additional wiring. In this example, a consumer could now monitor the security camera from a designated channel on any TV in the house at any time.



### Features and Benefits

- Extended channel range, UHF 14 to 78 and CATV 65 to 135 (excluding 95 –99)
- RF output gain control
- Dual RCA audio inputs directly on the unit
- Audio and Video AGC
- Recessed front panel control to avoid accidental channel changing
- Precise digital PLL control
- Multiple video content distribution to all TVs in the home without the purchase of additional video devices
- Compatibility with all standard consumer video and security devices and cable TV and satellite TV networks ensures investment protection
- Built-in RF amplifier to maintain signal quality
- Combined left/right inputs
- 1 year warranty
- 3 year extended warranty available

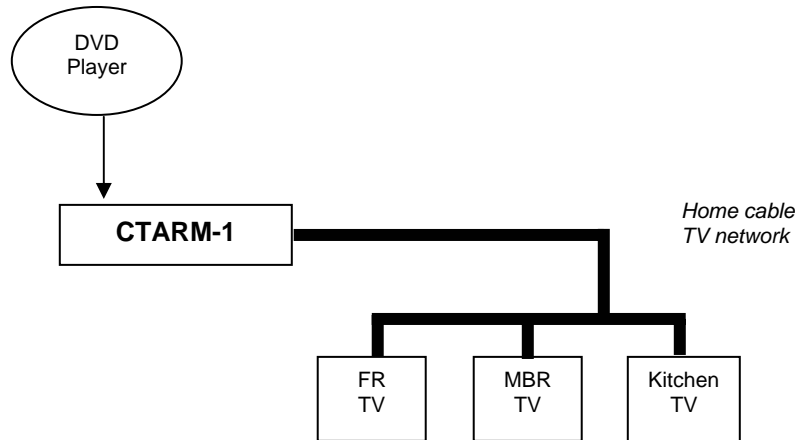
# CTARM-1

## Residential Digital Agile Modulator

### Specifications

Output Frequency	468-862 MHz
Output Standard	NTSC
Output Channel Range	UHF 14-78 CATV 65-135 (excluding 95 to 99)
Number of Modulators	1
Output Power	10 dBmV Typical
Output Power with included External Amplifier	25dBmV Typical
Output Power Adjustable Range	0-10dB Typical
Output Connector	"F"
CATV/Off-Air Input Connector	"F"
Audio Input	2X RCA
Video Input	1X RCA
Frequency Stability	+/- 25 KHz Typical
Video Input	1V Peak-to-Peak
Audio Input	300mV Peak-to-Peak
Video Modulation Index	87.5% Typical, 82.5% Minimum
Weight	1lb. 12oz.
Size	5½" W x 1¼" H X 4¾" D
Power Requirement	115V, 60 Hz AC power adapter included

### Sample Configuration



*CTARM series of modulators are regulatory compliant and are FCC approved. All product specifications are accurate at time of printing, but are subject to change.*

*Products are warranted for one year. Warranty can be extended to three years. Contact a sales engineer for details.*

**CTARM-PS**  
Replacement Power Supply

**CTARM-AMP**  
Replacement Amplifier

**Extended Warranty**  
Extends standard 1 year warranty to 3 years  
CTARM-1 WARRANTY