



INSTALLATION MANUAL

CTARM-2SV Residential Digital Agile Modulator With S-Video Inputs

IMPORTANT INFORMATION



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DO NOT OPEN THE CABINET, REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

PACKAGE CONTENTS

This package contains:

- One CTARM-2SV Residential Digital Agile Modulator With S-Video Input
- One Power Adaptor
- One CTARM-2SV Installation Manual

PRODUCT DESCRIPTION

The CTARM-2SV residential digital frequency agile modulator allows for the insertion of multiple 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. This modulator creates a separate TV channel for each video device, combines the new channels with cable or broadcast TV channels, and routes the output to all TVs in home via existing cable outlets.

The CTARM-2SV features S-Video input to allow for a better quality video input from the audio video source.

SPECIFICATIONS

CTARM-2SV Specifications (Typical)

1.Output Frequency	466-862MHz
2.Output Standard	NTSC
3.Output Channel Range	UHF 14-78 CATV 65-135 (excluding 95-99)
4.Number of Modulators	2
5.Output Power	25dBmV Typical
6.Output Power Adjustable Range	0-10dB Typical
7.Output Connector	"F"
8.CATV/Off-Air Input Connector	"F"
9.Audio Input Connector	2X RCA for each modulator
10.Video Input Connector	1X S-Video for each modulator
11.Frequency Stability	+/- 25KHz Typical
12.Video Input	1V Peak-to-Peak
13.Audio Input	300mV Peak-to-Peak
14.Video Modulation Index	87.5% Typical, 82.5% Minimum
15.Weight	1lb. 12oz.
16.Size	7.75"W x 1.75"H x 5.5"D
17.Power Requirement	115V, 60Hz AC Power Adaptor Included

INSTALLATION AND OPERATION

1. UNPACKING and HANDLING

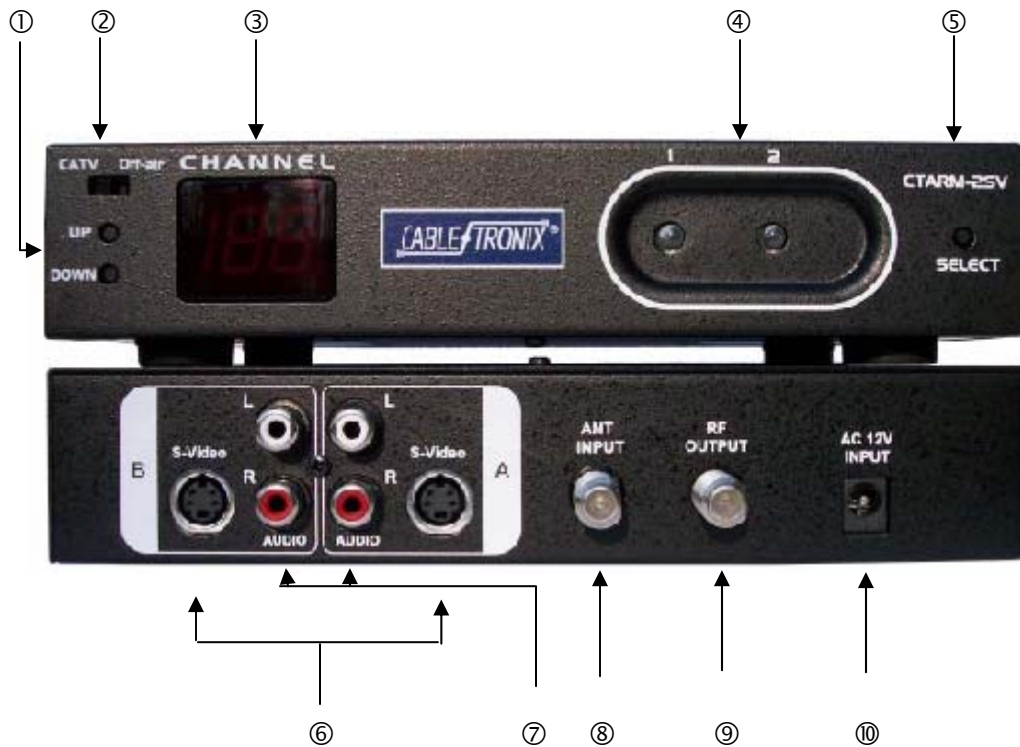
Each unit is shipped with all equipment assembled, and factory tested.

Ensure that all accessories are removed from the container before discarding packing material

2. MECHANICAL INSPECTION

Inspect the front and rear of the equipment for shipping damage. Make sure the equipment is clean, and no connectors are broken, damaged, or loose. If equipment appears to be damaged or defective please contact us at 1-610-429-1511 for assistance.

3. PRODUCT DIAGRAM



- 1 **Channel Up/ Down Programming Buttons**
- 2 **CATV / Off-Air Switch**
- 3 **LED Channel Display**
- 4 **Selected Modulator Display**
- 5 **Modulator Selection Button**
- 6 **S-Video Input – One per Modulator**
- 7 **Left and Right Audio Input – One Pair per Modulator**
- 8 **Antenna or CATV Input (“F” Jack)**
- 9 **RF Output (“F” Jack)**
- 10 **AC Power Jack**

The 2 modulators (designated 1 and 2) are independent and have separate audio and S-Video inputs corresponding to the modulator selected on the front panel. You may use either or both modulators as needed.

4. HARDWARE CONNECTIONS

- a. Connect an S-Video cable from the **video source** to the S-Video Input on the CTARM-2SV. An optional Cabletronix SVHS S-Video cable may be used.
- b. Connect an RCA cable from the **audio source** to the red/white RCA Input jacks on the CTARM-2SV. Use red and white jacks for dual input, or either one for single input.
- c. If you want to combine your signal with an Off-Air or CATV signal, connect the coaxial cable from the Off-Air antenna or CATV to the Antenna Input.
- d. Connect a coaxial cable from the RF Output to the RF distribution system or directly to a television set.

5. CHANNEL SELECTION

- a. Use the Modulator Selection Button on the front panel to select modulator 1 or 2.
- b. Push the Up/Down Switch to set the desired channel. You can select either CATV compatible channels or Off-Air compatible channels by pushing the CATV/Off-Air Switch. After about 15 seconds the channel will be automatically stored in the modulator’s memory. In the event of a power outage the channel will not be lost.