



## FAM-3

### 3-Channel Frequency Agile Modulator



## User Manual

### Introduction

RF Modulators accept standard composite video and audio signal inputs (also called "line-level" or "baseband" signal) and combine or modulate them to a single channel on the TV band. "Frequency-Agile" means the modulator output channel can be selected from more channels on more than one band. The FAM-3 can be set to modulate on UHF channels 14-69 and CATV channels 70-94 or 100-125.

### Connections

The FAM-3 includes the cables needed to connect up to three devices to the modulator. Three yellow RCA to RCA cables composite video to the modulator. Three red and white dual-RCA to 3.5mm cables connect line-level audio to the modulator.

Use a standard RF connection cable with an "F" connector at each end to connect the modulator to a television or distribution system. If combining the RF modulator with an antenna, use a 2-way splitter in reverse to combine the signals. Connect the antenna to output 1, the RF modulator to output 2, and connect the splitter input to your TV or distribution system.



Once all connections are made, plug the power supply into the modulator then into the wall outlet.

## **Programming**

Select the mode in which the modulator will operate; Cable TV or Antenna mode. Press the button below channel 1, 2, or 3. Press and hold the Mode key until the LED flashes. Select the mode by pressing the Up or Down button. Follow these steps to select the mode for each channel; 1, 2, or 3.

<b>MODE</b>	<b>Channel Range</b>
0	14 ~ 78
1	65 ~ 135
2	14 ~ 39n 91 ~ 135
3	21 ~ 69

Select the Channel to which each device will be assigned. Press and hold the button until the LED flashes. Select the channel by pressing the Up or Down button. Follow these steps to select the channel for each channel; 1, 2, or 3.

## **Specifications**

Output Frequency Range: 470 ~ 860 MHz  
Output Channels: UHF: 14~78  
CATV: 65~135  
Video Frequency Response: +/-1dB  
Aural Inter-carrier Stability: 4.5 MHz +/-3KHz  
Video Input / RF Output Impedance: 75 Ohms  
Audio Input Impedance: >10K Ohms  
Frequency Accuracy / Stability: +/-5KHz  
Video Input Level: 1V p-p  
Output Level: 10dBmV  
Gain Control: 20dB  
Dual Sideband  
Aural / Visual Carrier Ratio: -15dB  
Video S/N Ratio: 52dB  
Audio S/N Ratio: 50dB  
Weight: 290g  
Power: 120VAC / 60Hz  
Dimensions: 85mm (L) x 140 (W) x 13 (H) mm

## **Warranty**

This product is warranted free from defects in material and workmanship for a period of five years from date of purchase. Warranty does not apply to misuse, abuse, neglect, accident, improper use, etc. Contact your reseller for a Return Merchandise Authorization.