

Note 1: Co-channel interference

The Impact Acoustics Agile RF Modulator provides UHF channels from CH14 to CH69, CATV channels CH64~94 and CH100~125. Not all channels may be used. It is strongly recommended that a free channel with no programming and/or non-adjacent channels be selected to avoid co-channel interference.

Note 2: Cascading with the RF Modulator

Impact Acoustics Programmable RF Modulator supports cascading. To avoid co-channel interference it is recommended to choose non-adjacent, unused frequencies. For example, do not tune multiple RF Modulators to channels 21,22,23,24 etc. Channel separation is recommended for proper operation and picture quality. Example of proper separation would be 21,25,33,43 etc.

Warning:

Keep unit away from heat.

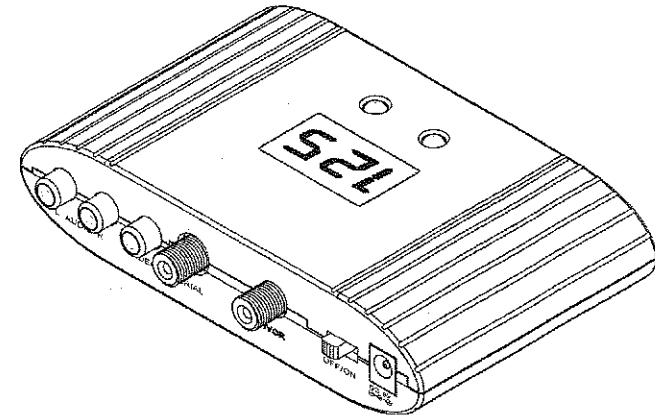
The Impact Acoustics Agile RF Modulator is designed for indoor use only. Do not use this device in moist or dusty environments.

WARRANTY

At Impact Acoustics, we want you to be totally confident in your purchase. That is why we offer a 12 month warranty on this Audio/Video device. If you experience problems due to workmanship or material defect for the duration of this warranty we will repair or replace this device. To request a Return Merchandise Authorization (RMA) number, contact customer service at 877-AV-EXPERT or www.impactacoustics.com.

IMPACT

ACOUSTICS™



Agile RF Modulator

#41164

USER'S MANUAL

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Package Contents

- 41164 Modulator
- 9VDC Power Supply
- User manual

Introduction

Thank you for purchasing the Impact Acoustics Agile RF Modulator. The Impact Acoustics 41164 RF Modulator accepts Audio/Video input from any source and modulates the signal to a CATV/UHF channel of your choice. Watch your DVD player, satellite receiver, or CCTV surveillance camera on any television in your home by adding to your home RF distribution system.

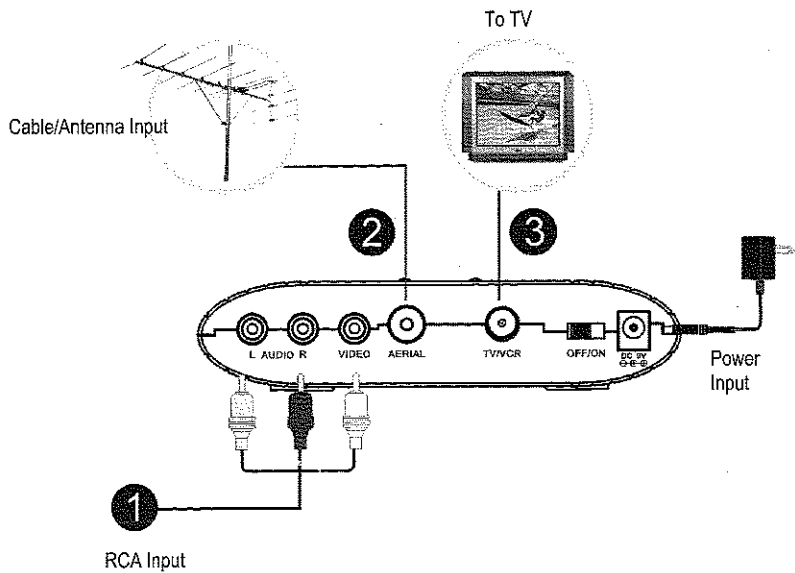
We recommend that you read this manual thoroughly and retain for future reference.

Features

- (1) RCA Audio/Video input
- (1) UHF/CATV input/output
- Switch between CATV and UHF mode
- Channel Memory
- Channel Selection (Up/Down Key)
- LED Channel Number Display

Installation

1. Before making any connections to this device, all power to the existing equipment should be turned off. Connect your audio/video source to the RF Modulator via the Audio/Video input. Input is color coded for easy audio and Video Identification.
2. Connect CATV/Antenna cable to aerial input.
3. Connect Modulator's TV/VCR output to the input of your RF system.
4. Connect 9V DC power supply. Ensure that AC/DC power adapter is connected to 120VAC/60Hz. Only use included AC/DC adapter. Use of unauthorized adapter may cause fire, personal damage or harm.



BEFORE POWERING THE RF MODULATOR NOTE THAT THIS DEVICE IS FACTORY SET TO CATV MODE. CATV AND MATV CHANNEL MAPPING IS DIFFERENT. YOU WILL EXPERIENCE LOSS OF SIGNAL IF THE MODULATOR AND THE TV ARE SET TO DIFFERENT SETTINGS. REFER TO YOUR TV OPERATION MANUALS CONCERNING CATV/ANTENNA MODE SELECTION FOR CHANGING TV SETTINGS.

CHANGING TO CATV Mode

1. Turn Off the Power
2. Press and hold "CH-" key on the main RF Modulator until step 4.
3. Turn On the Power
4. Release the "CH-" key
5. The 7 segment LED will show 125. The RF modulator is now in CATV Mode

CHANGING TO UHF Mode

1. Turn Off the Power
2. Press and hold "CH+" key on the main RF Modulator until step 4.
3. Turn On the Power
4. Release the "CH+" key
5. The 7 segment LED will show ".69" The RF Modulator is now in UHF Mode.

Operation

1. When the RF Modulator is properly connected to your system. First, power up the existing equipment. Power up the RF Modulator only after applying power to existing equipment.
2. Channel Setting: by default, the RF Modulator is set to CATV mode. For proper operation in CATV mode ensure that your Television is set to CATV mode. The output channel may be selected by depressing the CH +/- key on the front panel. 7 segment LEDs on the top panel will show the selected channel. Tune the RF Modulator to the desired channel. The selected channel will be kept in memory until power is removed or mode is changed.
3. Channel Setting: UHF mode, refer to CHANGING TO UHF Mode directions. For proper operation in UHF mode ensure that television is set to Antenna mode. The output channel may be selected by depressing the CH +/- key on the front panel. 7 segment LEDs on top panel will show channel selected. Tune the RF Modulator to the desired channel. The selected channel will be kept in memory until power is removed or mode is changed.

Note:

For proper operation, a channel that is currently not used by a CATV provider or offered by an over the air station must be selected. Noisy picture and distorted images will be experienced if an unused channel is not selected.

SPECIFICATIONS

RF	
Input	45~862MHz
Input Connector	F Female,75 Ohm
Output (RF-500)	AIR: 14 ~ 69 CH (471.25~801.25MHz) CATV: 64~94, 100~125CH
Output(combined)	45~862MHz
Output Level	70dB μ v \pm 5
Output connector	F Female,75 Ohm
Audio/Video	
Input	RCA
Video Input impedance	75~1.3K ohm
Video Input Level	1 Vpp
Video S/N	40dB min
Audio Input impedance	10K Ohm
Audio Input Level	0.4V
Power	
	9V DC
Accessories:	
AC Adaptor x 1	110VAC (9V DC @ 200mA)