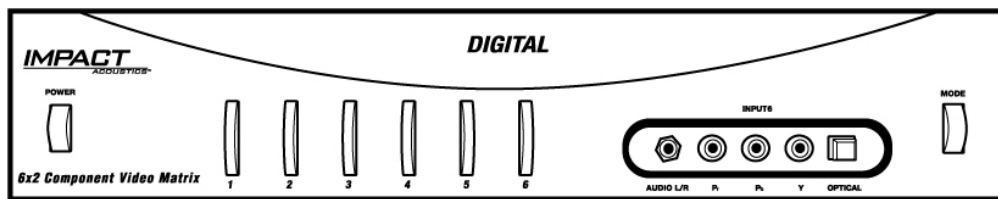




## Deluxe Component Video/Digital Audio 6 In / 2 Out Matrix Switch

*Connect up to six audio and video components to two televisions  
or monitors*



Model: 40697

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## Operational Manual

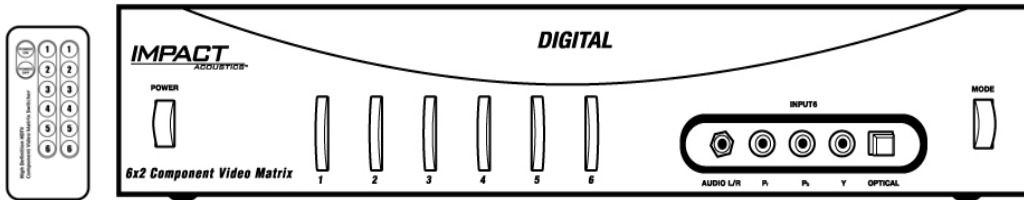
# Deluxe Component Video/Digital Audio 6 In / 2 Out Matrix Switch

Connect up to six audio and video components to two televisions or monitors

Model: 40697

Thank you for purchasing the Deluxe Component Video/Digital Audio 6 In / 2 Out Matrix Switch. This Matrix Switch allows you to connect up to six audio and video components to two televisions or monitors.

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



### Function:


#### Control Two Zones from One Switch


The 40697 allows you to route any of six source device's outputs to either of two TV/Monitors. You can also route the same output to two TV/Monitors. This switch supports video resolutions (480i, 480p, 720p, 1080i, and 1080p) which meet the indispensable needs of high definition video/audio equipment. This matrix switch allows you to treat each output as a separate "zone". For example, Output 1 can be designated as the home theater zone, and Output 2 can be the master bedroom zone. This will allow you to, for example, play a video game in the living room and at the same time, and watch a high-definition cable/satellite broadcast in the bedroom.

## Features:

- **Two Component Video / TOSLINK Outputs**  
Allow you to connect up to six sources to any two devices such as a TV or an AV receiver
- **Component Video Inputs**  
Support HDTV quality video
- **TOSLINK Optical Inputs**  
Let you connect TOSLINK digital optical cable for multi-speaker theater sound tracks.
- **Standard Stereo RCA Connectors**  
Make connecting L/R audio cables simple providing stereo sound
- **Easy Selection Illuminating Push-Buttons**  
Front panel buttons features tri-color LED for quick input/output identification.
- **Slim Line Remote Control**  
The matrix switch comes complete with an infrared (IR) remote control that features discrete commands to make programming complex macros into your universal remote control system a snap.

## Connecting Devices:

 Use a component video cable with RCA plugs (not supplied) for all component video connections. For optimal performance, use high-quality audio video cables. Do not use audio cables for transmission of video signals.

 The switch's color-coded jacks make it simple to connect devices to the switch. Green – blue – red jacks (marked as Y, Pb and Pr) are used for component video, red jacks are for right channel audio and white jacks for left channel audio.

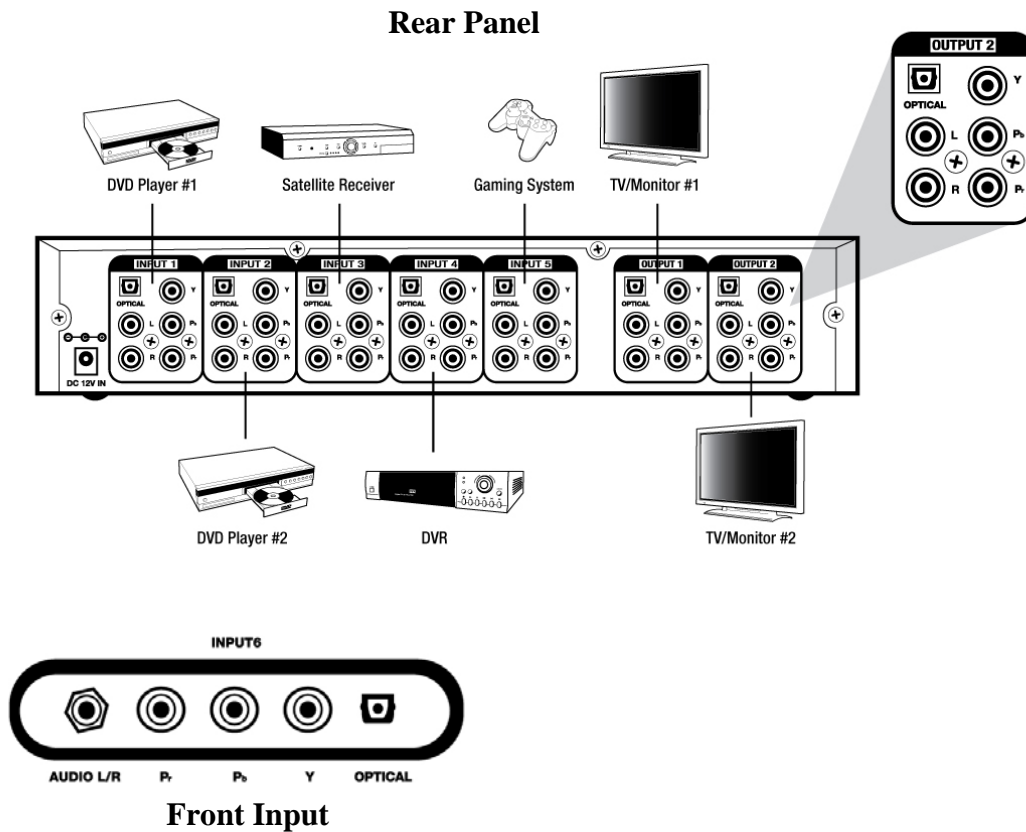
Before connecting the switch to your digital audio equipment, make sure you perform the following tasks:

- Power down all components that will be connected to this switch
- Remove the plastic plug that protects the switch's optical TOSLINK jack from dust. Keep plastic plug for future use.
- Remove the cable end protectors from the TOSLINK connector on your TOSLINK optical cable (not supplied).

Follow these steps to connect the components to the switch.

1. Connect each of the component video outputs from your devices (DVD player, HD cable/satellite receiver, video game player, etc.) to a set of Inputs (1-5) Y, Pb and Pr jacks on the back of the switch or Input (6) Y, Pb, and Pr jacks on the front of switch.
2. Connect your device's optical outputs to a set of Optical Input (1-5) jacks on the back of the switch or Input 6 Optical jack on the front of the switch. If devices do not have an optical output, connect its stereo L/R audio outputs to a set of stereo L/R audio Inputs (1-5) jacks on the back of the switch. Front panel Input 6 features 3.5mm jack for stereo L/R connections. A 3.5mm to RCA "Y" adapter (not included) must be used for this connection.  
Note: This device does not convert TOSLINK to analog audio or analog audio to TOSLINK. Audio switching follows video.
3. Connect component video Outputs (1-2) Y, Pb and Pr of the matrix switch to the component video inputs of two TVs/monitors.
4. Using a TOSLINK cable, connect the ends from the optical Outputs (1-2) on the switch to the optical inputs on two A/V receivers (or digital audio recorders). If devices do not have optical inputs, use RCA audio cables to connect from the matrix switch's L/R audio Output (1-2) to RCA L/R audio inputs on two A/V receivers (or audio recorders).

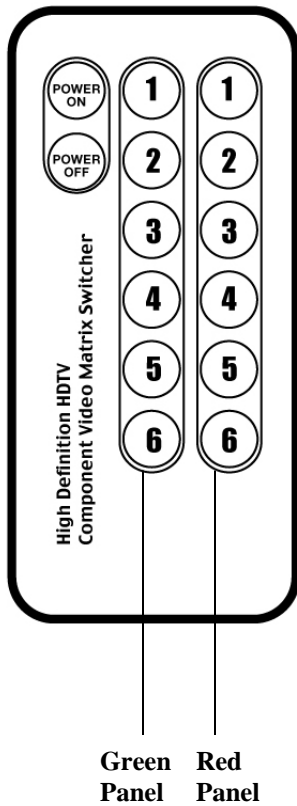
Example diagram:



## Operating the Switch:

### Controlling the switch from the IR remote control

1. Press POWER ON to turn on the matrix switch.
2. Press 1 – 6 on either the green or red panels to route your preferred playback device to output 1 or output 2. Green panel represents output 1. Red panel represents output 2.



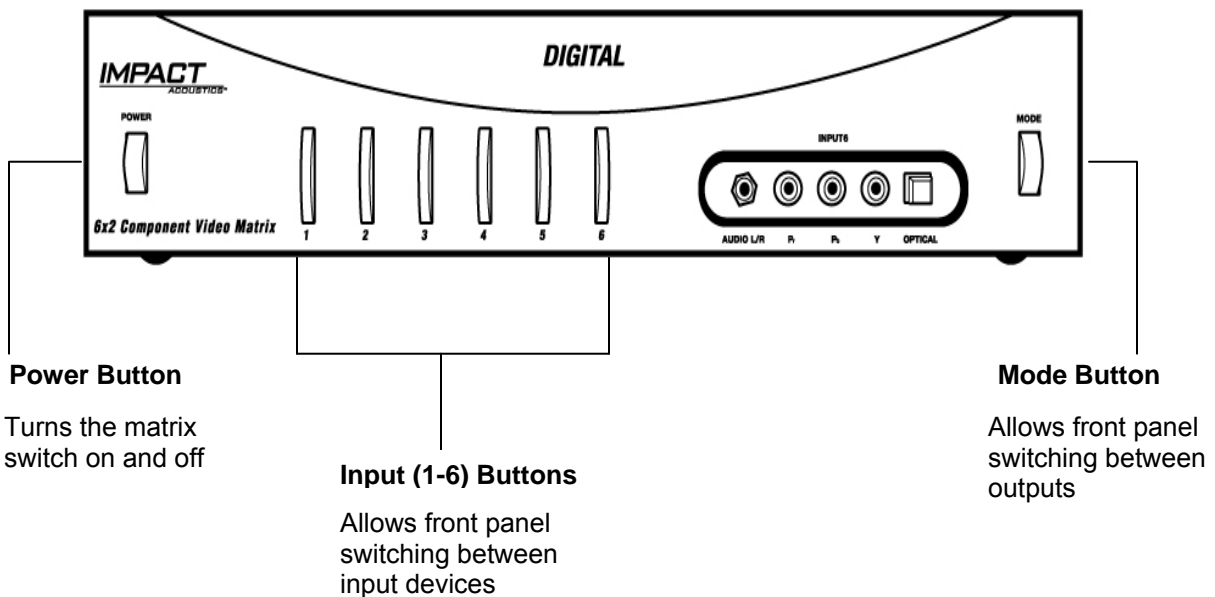
Example 1 – You would like to route your DVD player on Input 3 to output 1. Press 3 on the green panel. The LED of Input 3 on the front panel will be illuminated green.

Example 2 – You would like to route materials from your game console on input 6 to output 2, but continue watching the DVD movie from example 1. Press 6 on the red panel. The LED of Input 6 on the front panel will be illuminated red.

Example 3 – You wish to now route your cable box connected to Input 1 to displays on both output 1 and output 2 at the same time. Press 1 on the green panel, and then press 1 on the red panel. The LED of Input 6 on the front panel will be illuminated orange.

## Controlling the switch from the front panel

1. Press POWER button to turn on the switch.
2. Press MODE button to select output mode first.
  - If the MODE switch is illuminated green, Input 1-6 selected in the next step will be routed to Output 1.
  - If the MODE switch is illuminated red, Input 1-6 selected in the next step will be routed to Output 2.
  - If the MODE switch is illuminated orange, Input 1-6 selected in the next step will be routed to Output 1 and Output 2 at the same time.



3. Press one or two of the Input 1-6 buttons on the front panel (according to what front or rear inputs are being used by a device) to route the materials from selected playback device to desired output chosen in the last step.

Example 1 – You would like to route your DVD player connected to Input 3 over to Output 1. Press the MODE button until it is illuminated green, then press 3 on the front panel. The LED of Input 3 on the front panel will be illuminated green.

Example 2 – You would like to route materials from your game console connected to Input 6 over to Output 2, but would like to continue watching the DVD movie from example 1. Press the MODE button until it is illuminated red, then press 6 on the front panel. The LED of Input 6 on the front panel will be illuminated red.

Example 3 – You wish to now route materials from your cable box connected to Input 1 over to both displays connected to Output 1 and Output 2. Press the MODE button until it is illuminated orange, then press 1 on the front panel. The LED of Input 1 on the front panel will be illuminated orange.

## **Factory Default Settings:**

The 40697 will retain input/output settings when powered off by the remote control or the switch's front face power button.

Unplugging the supplied power adapter from the switch, will automatically restore the factory default setting. The default factory setting routes Input 1 to Output 1 and Output 2 simultaneously.

## **Specifications:**

Power Requirement: DC 12V 500mA (Using the Supplied AC Adapter)

Power consumption: 6 Watts

Sampling frequency: 44.1K Hz

Optical Output Level: 6uW Min.

Video Component Input Impedance: 75Ω

Video Bandwidth: -3dB@300MHz

Dimensions (HWD): 67x 345 x 175 mm

Weight: 1,825 g



## Impact Acoustics™ One Year Warranty

At Impact Acoustics, we want you to be totally confident in your purchase. That is why we offer a one year warranty on this 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](http://www.impactacoustics.com).

## Important Safety Information

! Do not plug the switch adapter in any outlet that does not have enough current to allow the switch to function. Refer to the specifications in this manual for power level of the switcher.

! Liquid:

If your switch or its corresponding power adapter has had liquid spilled on or in it, do not attempt to use the unit.

Do not attempt to use this product in an outdoor environment as elements such as rain, snow, hail, etc. can damage the product.

! In case of a storm, it is recommended that you unplug this device from the outlet.

! Avoid placing this product next to objects that produce heat such as portable heaters, space heaters, or heating ducts.

! THERE ARE NO USER SERVICEABLE PARTS

Do not attempt to open this product and expose the internal circuitry. If you feel that the product is defective, unplug the unit and refer to the warranty information section of this manual.

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