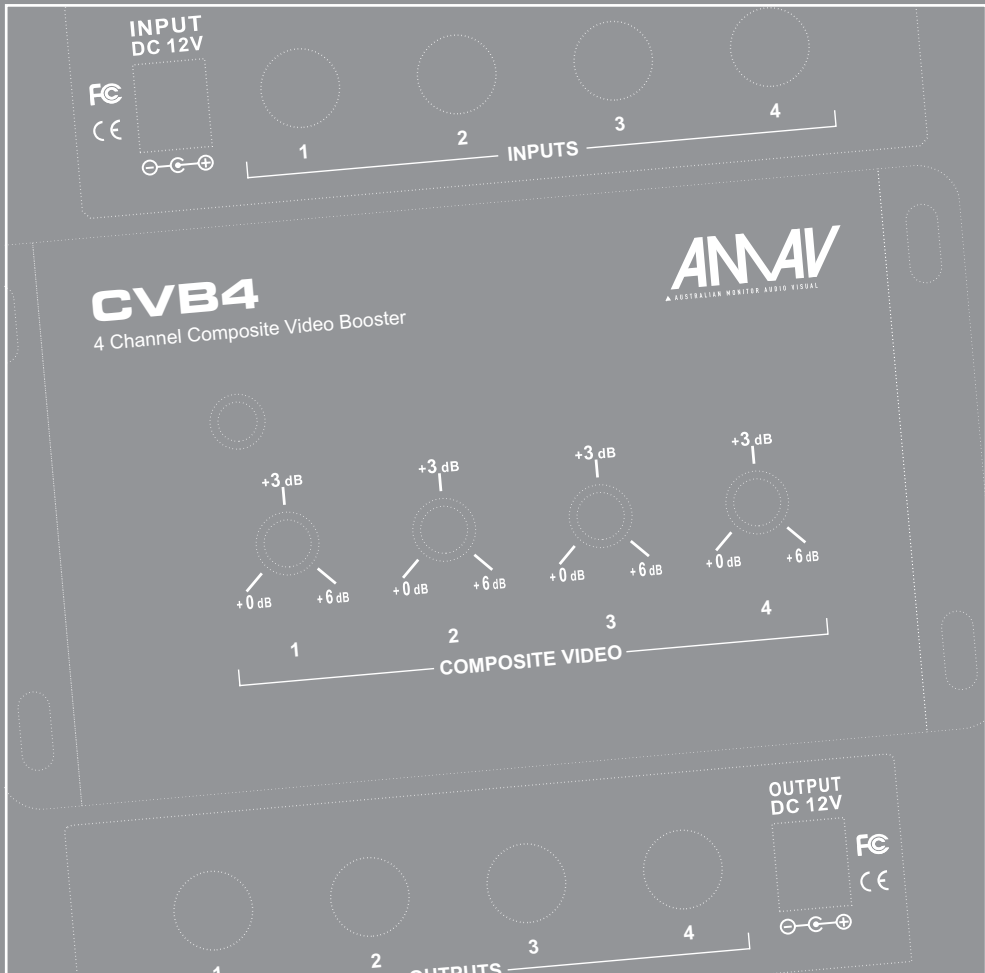




# CVB4

## 4 CHANNEL COMPOSITE VIDEO BOOSTER INSTALLATION AND OPERATION MANUAL





## IMPORTANT SAFETY INFORMATION



1. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
2. Read all documentation before operating your equipment. Retain all documentation for future reference.
3. Follow all instructions printed on unit chassis for proper operation.
4. Do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
5. Make sure power outlets conform to the power requirements listed on the back of the unit.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
8. Mains voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
9. Have gain controls on amplifiers turned down during power-up to prevent speaker damage if there are high signal levels at the inputs.
10. Power down & disconnect units from mains voltage before making connections.
11. Never hold a power switch in the "ON" position if it won't stay there itself!
12. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, weathersheet, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of foreign matter.
14. Do not remove the cover. Removing the cover will expose you to potentially dangerous voltages. There are no user serviceable parts inside.
15. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
16. Do not connect the inputs / outputs of amplifiers or consoles to any other voltage source, such as a battery, mains source, or power supply, regardless of whether the amplifier or console is turned on or off.
17. Do not run the output of any amplifier channel back into another channel's input. Do not parallel- or series-connect an amplifier output with any other amplifier output. Australian Monitor Inc is not responsible for damage to loudspeakers for any reason.
18. Do not ground any red ("hot") terminal. Never connect a "hot" (red) output to ground or to another "hot" (red) output!
19. Non-use periods. The power cord of equipment should be unplugged from the outlet when left unused for a long period of time.
20. Service Information Equipment should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged.
  - B. Objects have fallen, or liquid has been spilled into the equipment
  - C. The equipment has been exposed to rain
  - D. The equipment does not appear to operate normally, or exhibits a marked change in performance
  - E. The equipment has been dropped, or the enclosure damaged.

THIS SAFETY INFORMATION IS OF A GENERAL NATURE AND MAY BE SUPERSEDED BY INSTRUCTIONS CONTAINED WITHIN THIS MANUAL




# INTRODUCTION AND CONTENTS

The AMAV CVB4 is a 4 channel composite video booster. Designed for the demanding commercial audio-visual market, the CVB4 provides up to +6dB of continuously variable gain for four unique video channels in an elegant, slim line package. The CVB4 provides four composite video input sources and four composite video outputs featuring RCA composite video connectors. The CVB4 offers the flexibility and features demanded by any quality AV application.

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**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER (OR BACK),  
NO USER SERVICEABLE PARTS INSIDE,  
REFER SERVICING TO QUALIFIED SERVICE PERSONAL.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



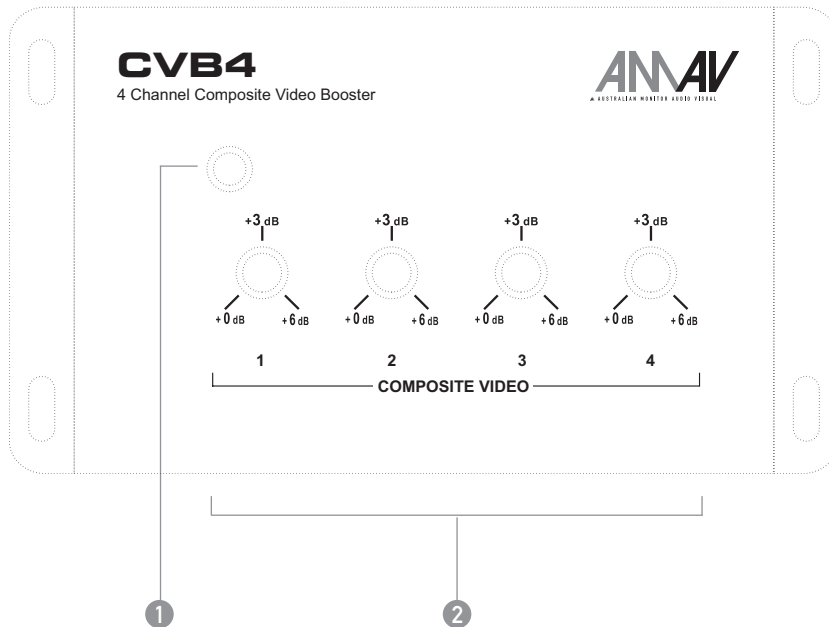
This symbol is intended to alert the user to the presence of important operational and maintenance (servicing) instructions in the literature accompanying the appliance.

Caution: To prevent electric shock do not use this (polarised) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure. To prevent electric shock, match wide blade of plug to wide slot, fully insert.

## WARNING!

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK  
DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

# FRONT PANEL

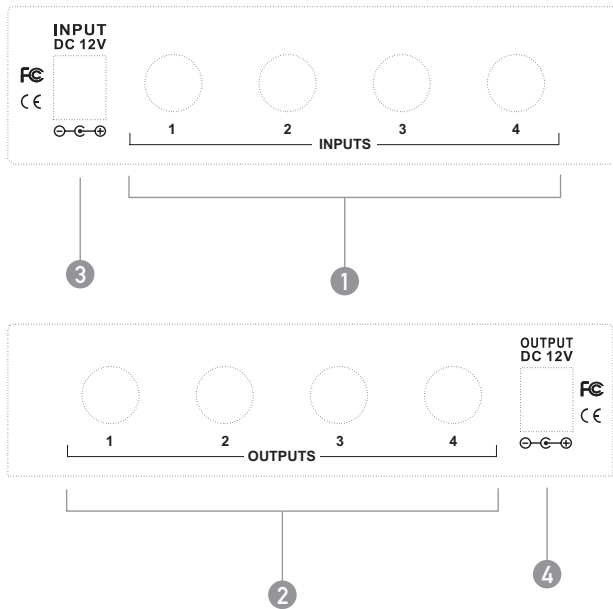


## 1 POWER ON LED

The inbuilt LED will illuminate red to indicate that the unit is receiving power

## 2 GAIN TRIM

A separate gain trim potentiometer is provided for each of the four composite video sources. The gain of each channel can be independently adjusted, in a range between 0dB and +6dB



## 1 COMPOSITE VIDEO INPUT CONNECTORS

Four composite video inputs are provided, each featuring:

- One composite video input on a single RCA connector

## 2 COMPOSITE VIDEO OUTPUT CONNECTORS

Four composite video outputs are provided, each featuring:

- One composite video output on a single RCA connector

## 3 DC POWER INLET

The CVB4 switcher is fitted with a DC power plug-pack input connector. Please ensure that the plug-pack used is of an approved type and is of sufficient current carrying capacity with the correct voltage and connector polarity  $\ominus \bullet \oplus$

## 4 DC POWER OUTLET

The CVB4 switcher is fitted with a DC power output connector. The DC power output connector is in parallel with the DC power input connector to allow multi video devices to be connected to the same DC plug pack. Please ensure that the plug-pack used is of an approved type and is of sufficient current carrying capacity, voltage and polarity to suit all cascaded video products. Do not power more than three video devices from DC power outlet.  $\ominus \bullet \oplus$

# OPERATION

Before making any connections to the CVB4, observe the following:

> Ensure that all system grounds (earth) are connected to a common point. Avoid powering equipment within a system from multiple power sources that may be separated by large distances


## OPERATION

> Connect all video sources and destination equipment

> Power up the CVB4 video booster

> Power up all source and destination audio-visual sources

> Adjust the level trims of the CVB4 until an optimal image quality is achieved

 **WARNING:** Adding too much video gain may degrade the video image under certain circumstances. The optimal settings for the CVB4 will vary from application to application

## SPECIFICATIONS

VIDEO INPUTS	8x composite video, 750hm, RCA connectors
VIDEO OUTPUTS	8x composite video, 750hm, RCA connectors
VIDEO BANDWIDTH	>250MHz (+/-0.5dB)
CONTROL	Gain Trim, Continuously variable, 0dB to +6dB
POWER	+12V DC, centre +ve, outer -ve, 250mA Max
DIMENSIONS H X W X D	104mm x 72mm x 25mm
SHIPPING DIMENSIONS H X W X D	75mm x 253mm x 160mm
SHIPPING WEIGHT	0.6 kg

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