PAL to NTSC (NTSC to PAL) Universal Digital Video Format Converter

(CDM-630)

Operation Manual

Introduction

This unit is compact and allows you to covert any video system into any other video system. (French SECAM excluded).

Precautions

1. Do not expose this product to direct sunlight.
2. Keep the unit away from radiator, heat sources and magnetic field.
3. Do not place it in very dusty or humid locations.
4. Use this unit in a horizontal position only.
5. Do not put heavy objects on top of the converter.
6. Put the unit in an open space that has good ventilation.
7. If the unit is acting abnormally keep the unit away from TV or other electronic equipment.
8. Unplug the unit from the power supply when it is not to be used for a long period of time.

Features

- Allows for input system auto detecting.
- SMT Technology ensures high reliability and durability.
- Built-in Time Base Correction (T.B.C.) function for signal synchronisation.
- The unit will automatically send out a colour bar picture when there is no video signal present on the input.
- Full digital decoding (digital comb filter) and encoding.
- 4M-bit field memory.
- Input level ranges from 0.5 Vp-p to 2 Vp-p.
- Built-in Automatic Gain Control (A.G.C.) function ensures 1 Vp-p output signal.
- It is compact and easy to carry.

Please browse our online catalogue to view our full product range.
44-48 Maitland Road, Mayfield East, NSW, 2304 Australia, sales@converters.tv
Phone +61 249689313   Fax +61 249689314
www.converters.tv

Operation controls and functions

Top View

- **Video input system indicator: AUTO, SECAM, PAL N, PAL M, PAL N4, N**
1. Illuminates when input auto detection mode is selected.
2. Illuminates when input system is set to SECAM.
3. Illuminates when input system is set to PAL N.
4. Illuminates when input system is set to PAL M.
5. Illuminates when input system is set to PAL.
6. Illuminates when input system is set to N4.
7. Illuminates when input system is set to N.

* NOTE- when in auto detection mode one of the system indicators will also illuminate to show video system of the input.

- **Video output system indicator: PAL N, PAL M, PAL, N4, N**

1. Illuminates when output system is set to PAL N.
2. Illuminates when output system is set to PAL M.
3. Illuminates when output system is set to PAL
4. Illuminates when output system is set to N4
5. Illuminates when output system is set to N

Please browse our online catalogue to view our full product range.
44-48 Maitland Road, Mayfield East, NSW, 2304 Australia, sales@converters.tv
Phone +61 249689313   Fax +61 249689314
www.converters.tv

- **Input system select button**

Each depression of the button steps through a series of video systems and auto detection mode. These range from Auto, N3, N4, PAL, PAL M, PAL N and SECAM.

- **Output system select button**

Each depression of the button steps through a series of video systems. These range from N3, N4, PAL, PAL M and PAL N.

Rear Panel

1. **Input-** This is the video input port. Connect this to your input device using a composite RCA connector cable.
2. **Power-** This is the power supply input port. It is to be used with the power pack supplied.
3. **Output-** This is the video output port. Connect this to your output device using a composite RCA connector cable.

Connection and Installation

The AC adaptor power unit should not be plugged into a wall outlet until all connections are complete.

- Using your connector cable connect the output port (Number 3 on the rear panel) to the output device (Video, TV).
- Using your connector cable connect the input port (Number 1 on the rear panel) to the input device (video, satellite receiver, camcorder).
- Select the video input system; you may select AUTO, N3, N4, PAL, PAL M, PAL N or SECAM. When an input signal has been chosen, the indicator will light up.
- Select the video output system; you may select N3, N4, PAL, PAL M or PAL N. When an output signal has been chosen, the indicator will light up.

Once all connections are complete please connect the power supply provided to the power socket.

Please browse our online catalogue to view our full product range.
44-48 Maitland Road, Mayfield East, NSW, 2304 Australia, sales@converters.tv
Phone +61 249689313   Fax +61 249689314
www.converters.tv

Specifications

Input connection terminal	1 x Video
Output connection terminal	1 x Video
Input TV systems	NTSC 3.58, NTSC 4.43, PAL (M,N), SECAM
Output TV systems	NTSC 3.58, PAL (M,N)
Sampling frequency	Y:13.5 MHz 8bits R-Y:6.5 MHz 8bits B-Y:6.5 MHz 8 bits
Line conversion	525 to 625 lines and vice versa
Field conversion	60 to 50 fields and vice versa
Power Supply	DC 15V 600mA Center negative
Dimensions	145 (W)mm X 95(D)mm X 34(H)mm
Weight	1.0 Kg
Accessory	One set of video cable, AC adaptor

Please browse our online catalogue to view our full product range.
44-48 Maitland Road, Mayfield East, NSW, 2304 Australia, sales@converters.tv
Phone +61 249689313   Fax +61 249689314
www.converters.tv