

NTSC to PAL (PAL to NTSC) Multi-system Digital Converter (CDM-800)



Operation Manual

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44-48 Maitland Road, Mayfield East, NSW, 2304 Australia, sales@converters.tv
Phone +61 249689313 Fax +61 249689314
www.converters.tv

Introduction

This unit allows digital conversion of NTSC, PAL, or SECAM to NTSC or PAL. It contains 2 sets of both inputs and outputs.

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

- Digital line (525 to/from 625 lines) and field (50 to/from 60 fields) conversion.
- 4M-bit field memory.
- Static resolution: 500 lines
- Dynamic resolution: 300 lines
- Accommodate two inputs and two outputs at the same times.
- Built in Time Base Correction (T.B.C.) function for signal synchronization.

Operation Controls and Functions

Front Panel



1. **Pass-** When the button is pushed “on” the input signal will be bypassed. Thus the output signal is the same as input signal without any change.
2. **Video-** Press this button in for Video and Audio input 1. Release the button for Video and Audio input 2.
3. **Power LED-** This LED will light up when the power switch is turned on.
4. **Power Button-** This button is used to turn the power on or off.

Rear Panel



1. **AC Power Input port-** This is the power supply input port.
2. **AC Voltage Selector-** 110 for 110 volts power supply.
220 for 220 volts power supply.
3. **P/N4/N3 output switch-** This is the switch used to choose the desired output signal; you may select PAL, NTSC 4.43, or NTSC 3.58 as the signal you wish to output.
4. **Composite Video 1 Output-** This is the composite video output port for Video 1.
5. **Composite Video 2 Output-** This is the composite video output port for Video 2.
6. **Video 1- L/R Output-** This is the Audio output port for Video 1.
7. **Video 2- L/R Output-** This is the Audio output port for Video 2.
8. **S/P/N Input switch-** This switch is used to choose the desired input signal; you may select SECAM, PAL or NTSC as the input signal.
9. **Composite Video 1 Input-** This is the composite video input port for Video 1.
10. **Composite Video 2 Input-** This is the composite video input port for Video 2.
11. **Video 1- L/R Input-** This is the Audio input port for Video 1.
12. **Video 2- L/R Input-** This is the Audio input port for Video 2.

Connection and Installation

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

- Set the P/N4/N3 output switch to the signal you wish to output, you may choose from PAL, NTSC 3.58 or NTSC 4.43 (Number 2 on the rear panel).
- Using an RCA jack connector cable connect the composite video output port/s (Number 3 and 4 on the rear panel) to your video device (video recorder or TV).
- Using the appropriate connector cable connect the audio output port/s (Number 5 and 6 on the rear panel) to your audio device (video recorder or TV).
- Set the S/P/N Input switch to the input signal desired, you may choose from PAL, SECAM or NTSC (Number 7 on the rear panel).
- Using an RCA jack connector cable connect the composite video input port/s (Number 8 and 9 on the rear panel) to your video device (video cassette recorder, satellite receiver or camcorder).
- Using the appropriate connector cable connect the audio input port/s (Number 10 and 11 on the rear panel) to your audio device (video cassette recorder, satellite receiver or camcorder).

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

Specifications

Video Input	2 x Composite video 1Vp-p 75-ohm phone jack.
Video Output	2 x Composite video Vp-p 75-ohm phone jack.
Audio Input/Output	2 x Stereo In/out (L +R)
Line Conversion	525-625
Field Conversion	60-50
Field Memory	4M bit memory
Power Supply	AC 90~240V Built in Regulator
Weight	3Kgs
Dimensions	280W x 215D x 45H (mm)